



WORLD FISHERIES CONGRESS

ADELAIDE • AUSTRALIA

20-24
SEPTEMBER
2021



Final Report

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Contents

Executive summary	1
Introduction	1
Bid to host the World Fisheries Congress	2
Host city	2
Venue	3
Governance structure	3
Professional conference organiser	5
Virtual platform.....	6
Congress theme	6
Congress topics	7
Call for abstracts	7
International fisheries science prize winner	8
Opening Address and plenary presentations.....	8
Structure of the Congress	9
Workshops	10
Events.....	11
Australian Society for Fish Biology Annual General meeting	11
Additional support for delegates	13
Sponsors and exhibitors.....	13
Communications	14
Publications.....	17
Results.....	18
Key outcomes.....	24
Lessons learnt	25
List of acronyms	26
Appendix 1 - WFC2021 topics.....	27
Appendix 2 - WFC2021 presentations.....	28
Appendix 3 - WFC2021 sponsors and exhibitors.....	85
Appendix 4 - WFC2021 Sponsorship & Exhibition Prospectus.....	88
Appendix 5 - Number of WFC2021 delegates by country.....	122
Appendix 6 - WFC2021 Evaluation Survey.....	124

Executive summary

The World Fisheries Congress is the premier international fisheries congress, bringing together research, industry and management to discuss the latest advances in fisheries world-wide. The 8th World Fisheries Congress, hosted from Adelaide, Australia from 20 to 24 September 2021, was led by the South Australian Government (Department of Primary Industries and Regions – PIRSA, including the South Australian Research and Development Institute – SARDI) in partnership with the Adelaide Convention Bureau and the Adelaide Convention Centre and the Fisheries Research and Development Corporation (FRDC); and support from the Australian Society for Fish Biology (ASFB) and industry and government agencies from other jurisdictions in Australia and New Zealand. The World Fisheries Congress 2021 (WFC2021) was delivered as a fully virtual event allowing the international fisheries community to come together and exchange ideas at a time when travel was restricted due to the COVID-19 pandemic.

In total, the Congress delivered over 800 presentations, covering a broad range of topics critical to the future of fisheries, and attracted 1,166 delegates from 60 countries.

The Congress provided an opportunity to reflect on how much has changed since the first World Fisheries Congress was held almost 30 years ago, as was evident by the developments and thought-provoking work presented and discussed over the week of the Congress. The Congress also highlighted the many issues that remained, as well as identified new issues that have emerged. Importantly, discussions and presentations indicated that despite the persistence of some issues, we have advanced our thinking and actions and are moving forward in the right direction.

Every session and presentation were recorded and will remain available on the WFC2021 virtual portal for six months post congress. Plenary presentations and presentations of student award winners have been made publicly available on the [WFC2021 website](#).

Introduction

Held every four years, the World Fisheries Congress is one of the largest gatherings of research, industry and management sectors to discuss the latest advances in fisheries world-wide.

The World Fisheries Congress is overseen by the World Council of Fisheries Societies who aim to facilitate throughout the world, an exchange of ideas among member organisations and among the individual members of these organisations; promote the dissemination and application of all information; and cooperate with national and international scientific and technical fisheries organisations.

The World Fisheries Congress is orientated towards scientific presentations of new research, fisheries conservation and management findings. Additionally, special symposia or workshops as part of the Congress deal with current issues of broad interest.

An Australian-New Zealand bid, through the Australian Society for Fish Biology (ASFB), as an inaugural member of the World Council of Fisheries Societies, submitted a successful application to host the 8th World Fisheries Congress in Adelaide, South Australia from 11-15 October 2020.

Due to the impacts of COVID-19 the World Fisheries Congress 2020 was postponed until 20-24 September 2021 and was delivered as a fully virtual platform. The shift to allow delegates to participate online ensured the Congress was able to continue to connect the global fisheries and

aquaculture community to discuss the sustainable development of the world's oceans, rivers, lakes and estuaries. Following the postponement, the Congress was referred to as the World Fisheries Congress 2021 (WFC2021).

The WFC2021 brought together research, industry, management and the latest technological advances in fisheries worldwide under the theme 'Sharing our Oceans and Rivers – a vision for the world's fisheries'.

The South Australian Government (through the Department of Primary Industries and Regions – PIRSA, including the South Australian Research and Development Institute – SARDI) led the development of WFC2021, which also involved the Fisheries Research and Development Corporation (FRDC), ASFB and industry and government agencies from other jurisdictions in Australia and New Zealand.

Participation was encouraged from students, researchers (all career stages), managers and industry (recreational, commercial and indigenous fisheries) from all geographic regions.

Bid to host the World Fisheries Congress

The bid to host a World Fisheries Congress is submitted to the World Council of Fisheries Societies (WCFS) following an open call every four years.

The bid to host the 8th World Fisheries Congress was submitted by the ASFB and the broader Australian and New Zealand seafood industry. The bid was supported by \$200,000 direct funding from the South Australian Government through the Adelaide Convention Bureau. Strong support from PIRSA-SARDI, the Adelaide Convention Bureau, Adelaide Convention Centre and the FRDC, underpinned the bid.

The bid package outlined details of the proposed Congress theme; governance structure; venue; proposed budget; accommodation options; information about Adelaide as a destination; and potential sponsors. Letters of support from government and industry were provided.

Following an announcement of a successful bid (April 2016), a Memorandum of Understanding regarding the 8th World Fisheries Congress was established between the Government of South Australia through the Minister for Agriculture, Food and Fisheries, who led the Congress, and ASFB, as a founding member of the WCFS.

In the lead up to the Congress, the local organising committee provided updates and engaged with the WCFS through the President (Bronwyn Gillanders, 2016 - 2021) and the Secretary General (Douglas Austen - current) to assist in the planning, development and successful implementation of the 8th World Fisheries Congress. This included providing information on the proposed registration fees; proposed meeting format; and details of the speakers invited to deliver the Opening Address and plenary presentations.

Host city

Recently ranked the 3rd most liveable city by a global index, Adelaide, Australia is an ideal location for an international conference. Centrally located within Australia, Adelaide is a vibrant and innovative destination, known for its delicious food and wine scene, pristine beaches, natural landscapes and easy accessibility.

Providing an opportunity for delegates to visit Adelaide, Australia was a key driver of submitting the bid to host the World Fisheries Congress. Unfortunately, the move to a fully virtual platform prevented delegates from being able to attend in person, however, promotion of Adelaide as a place to live, visit and invest in, and more broadly Australia and New Zealand as a 'destination', ran throughout all communications associated with the Congress. A dedicated page on the WFC2021 website 'Destination', later changed to 'Host City', featured information about Adelaide, Australia and New Zealand. Information promoting Adelaide was regularly provided in the lead up to the Congress through e-mail updates, a segment in the 'news' section of the website, social media posts circulated through our networks and a dedicated WFC2021 Twitter account. South Australian Tourism Commission videos were also shown in breaks (morning and afternoon tea and lunch) on the WFC2021 virtual portal during the week of the Congress.

Venue

The Adelaide Convention Centre on Adelaide's riverbank was selected as the venue for the Congress. Recently updated and expanded, it is regarded as one of the world's most modern flexible and technologically advanced meetings and events centres.

Following the move to a fully virtual platform, the technical hub of the WFC2021 was established in the Adelaide Convention Centre.

The technological capability of the centre and its staff, combined with the platform and expertise engaged through external company TouchPoint Meeting Services Pty Ltd and conference organisers, the All Occasions Group, ensured the seamless delivery of seven concurrent sessions via the WFC2021 virtual portal over four days.

Governance structure

Strategic oversight and direction for WFC2021 was led by a Congress Steering Committee, with support from a locally based Professional Conference Organiser, the All Occasions Group. The Congress Steering Committee, included Australian and New Zealand representatives from government, the seafood industry, WCFS, ASFB and FRDC.

The Congress Steering Committee focused on delivering a diverse, exciting and broad reaching Congress to showcase the world's commercial, recreational and indigenous fisheries and promote international cooperation and collaboration in advancing fisheries science, conservation and management, in fitting with the Congress theme 'Sharing our Oceans and Rivers: a vision for the world's fisheries'.

To achieve this, the Congress Steering Committee established and oversaw an International Program Committee. Representatives from fisheries societies and key international fisheries related organisations participated in the International Program Committee to ensure global issues and challenges were captured in establishing a dynamic, relevant and engaging scientific program for the Congress.

A number of additional committees (i.e. Education, Communications, Sponsorship and Exhibition) were established to ensure planning of key aspects of WFC2021 was managed by a dedicated and experienced team that included local representatives, primarily from PIRSA, SARDI, FRDC, ASFB and the All Occasions Group.

Conveners: Prof Gavin Begg, PIRSA, Australia (Chair WFC2021) and Jane Ham, SARDI, Australia

Steering Committee:

- Prof Gavin Begg (Chair): PIRSA, Australia
- Dr Stephen Balcombe: Griffith University, Australia
- Dr Stephen Beatty: Murdoch University, Australia
- Dr Matt Dunn: NIWA, New Zealand
- Prof Bronwyn Gillanders: University of Adelaide, Australia
- Dr Alistair Hobday: CSIRO, Australia
- Shane Holland: FRDC Indigenous Reference Group, Australia
- Dr Patrick Hone: FRDC, Australia
- Peter Horvat: FRDC, Australia
- Dr Pamela Mace: Ministry for Primary Industries, New Zealand
- Karen Olver: Seafood New Zealand, New Zealand
- Veronica Papacosta: Seafood Industry Australia, Australia
- Colin Tannahill: Shimano, Australia
- A/Prof Tim Ward: SARDI, Australia
- Anna Willock: Australian Fisheries Management Authority, Australia

International Program Committee:

- Prof Bronwyn Gillanders (Co-Chair): University of Adelaide, Australia
- A/Prof Tim Ward (Co-Chair): SARDI, Australia
- Prof Gavin Begg: PIRSA, Australia
- Dr Steven Cooke: Carleton University, Canada
- Barbara Konstas: Melbourne Seafood Centre
- Prof Atsushi Hagiwara: Nagasaki University, Japan
- Dr Sarah Helyar: Queen's University Belfast, UK
- Wayne Hutchinson: FRDC, Australia
- Dr Chris Izzo: FRDC, Australia
- Dr Joykrushna Jena: National Academy of Agricultural Sciences, India
- Dr Julie Kellner: International Council for Exploration of the Sea (ICES), Denmark
- A/Prof Alison King: Charles Darwin University, Australia
- Dr Jason Link: NOAA Fisheries Directorate, USA
- Dr Abigail Lynch: U.S. Geological Survey, USA
- Dr Pamela Mace: Ministry for Primary Industries, New Zealand
- Prof Muhammad Naeem Khan: University of Punjab, Pakistan
- Rowena Orok: Fisheries and Oceans, Canada
- Ann Preece: CSIRO, Australia
- Keith Rowling: PIRSA, Australia
- Prof Warwick Sauer: Rhodes University, South Africa
- Dr Luiz Silva: Federal University of Sao Joao del-Rei, Brazil
- Dr David Smith: CSIRO, Australia
- Dr Peter Thompson: CSIRO, Australia
- Prof Xiujuan Shan: Yellow Sea Fisheries Research Institute, China
- Juan Carlos Quiroz: Instituto de Fomento Pesquero (IFOP), Chile

Education Committee:

- Dr Stephen Beatty (Chair): Murdoch University, Australia
- Dr Stephen Balcombe: Griffith University, Australia
- Stacey Bierwagon: James Cook University, Australia
- Dr Stephen Cooke: Carleton University, Canada
- Dr Leanne Currey-Randall: Australian Institute of Marine Science, Australia
- Dr Brendan Ebner: CSIRO, Australia
- Lachlan Fetterplace: University of Wollongong, Australia
- Dr Chris Hallett: Murdoch University, Australia
- Dr John Morrongiello: University of Melbourne, Australia
- Dr Craig Paukert: University of Missouri, USA
- Dr Katie Ryan: Murray-Darling Basin Authority, Australia

Communications Committee

- Karen Teaha (Chair): PIRSA
- Jane Ham: SARDI
- Biela McMillan: PIRSA
- Annabel Boyer: FRDC
- Peter Horvat: FRDC
- Andrew Katsis: ASFB
- Jessica McInerney: Seafood Industry Australia

Sponsorship and Exhibition Committee

- Peter Horvat (Chair): FRDC
- Jane Ham: SARDI
- Karen Teaha: PIRSA
- Rebecca Gabriel: All Occasions Group

Professional conference organiser

The Professional Conference Organiser, the All Occasions Group, was engaged early in the planning for the World Fisheries Congress following an open tender process.

The All Occasions Group key services and deliverables included:

- Support for the Steering Committee.
- Development and monitoring of a critical path.
- Financial management – develop, manage and report on the congress budget.
- Venue – establish requirements for the venue, negotiate provision of venue requirements, and establish contract with the venue and be the main point of contact on an ongoing basis.
- Sponsorship – develop sponsorship opportunities and packages, distribute to potential sponsors, send letters of confirmation and tax invoices and liaise with confirmed sponsors on an ongoing basis.
- Exhibition – develop exhibition opportunities and packages, distribute to potential exhibitors; appoint an exhibitor booth contractor based on competitive quotes, manage the logistical set up and organisation of the trade exhibition area, liaising with both the venue and exhibitors.

- Registration – work with the Steering Committee to establish registration fees and establish an online registration system.
- Post-congress – produce within 3 months of completion of the Congress, a detailed post-congress report and finalise financial statements.

Virtual platform

Following the postponement of the World Fisheries Congress to September 2021, it was initially decided the WFC2021 would proceed as a hybrid event, allowing delegates to participate both in person and online to overcome any travel issues associated with COVID-19, particularly for international delegates. The move to a hybrid event required the engagement of an external company (TouchPoint Meeting Services Pty Ltd) to provide the virtual platform and manage the virtual component of the event. Six weeks prior to the start of the Congress the event was moved to a fully virtual event due to domestic travel within Australia being severely impacted by COVID-19.

TouchPoint’s key services and deliverables included:

- Virtual Event Configuration – configuration of EventsAIR database, OnAIR portal (WFC2021 virtual portal) and AIRCast (streaming platform for exhibition networking/support video calls). This included content hosting for six months post-Congress.
- Virtual Program Management – management of a 4-day program with seven hybrid streams and pre-recorded videos housed in a Presentation Gallery. This included configuration of EventsAIR agenda, management and delivery of live rehearsals for presenters and configuration and management of Presenters Gallery.
- Exhibition and Sponsorship – configuration of EventsAIR exhibitor portal.
- Gamification – configuration of portal gamification to promote engagement with virtual exhibitors and program.
- Event Delivery and Live Support.

Event delivery was supported by staff from the All Occasions Group and the Adelaide Convention Centre.

The usability of the WFC2021 virtual platform was critical to the seamless delivery and success of the WFC2021.

Congress theme

The overarching Congress theme ‘Sharing our oceans and rivers – a vision for the world’s fisheries’ was formed as part of the bid to host the 8th World Fisheries Congress.

The World Fisheries Congress aimed to have a strong emphasis on documenting progress in the ecologically sustainable management of fisheries in the almost 30 years since the first World Fisheries Congress in Athens in 1992, and projecting what fisheries science and management will look like in 2050. A focus for the Congress was on the challenges of sustainability and identifying changes and developments needed to ensure the world’s oceans, rivers, lakes and estuaries are managed sustainably for the benefit of future generations.

The International Program Committee identified four key themes to fit within the overall Congress theme that would shape the call for abstracts and program structure:

Theme 1 – Sustainable fisheries (assessment, regulation, enforcement)

Theme 2 – Fish and aquatic ecosystems (biodiversity, conservation, ecosystem function, integrated management)

Theme 3 – Fisheries and society (contributions to sustainable development)

Theme 4 – Future of fish and fisheries (innovations in fisheries)

Congress topics

Early in the planning phase, a Call for Expressions of Interest for the program was circulated throughout international and national networks requesting topic ideas around the four Congress themes and suggestions for the structure of sessions. In addition to students, researchers and managers, organisers sought engagement from the fishing industry to ensure industry were key participants in the Congress and relevant issues were captured in the program.

The Call for Expressions of Interest resulted in over 100 submissions, many of which included novel formats to increase opportunities for discussion and make sessions more engaging and relevant.

The International Program Committee finalised a list of 90 topics to be listed in the Call for Abstracts. Lead contacts were identified for each topic.

Three additional topics were added to the list when the Call for Abstracts opened for a second time due to the Congress being postponed until September 2021:

- COVID Impacts on Fisheries
- Conservation of Marine Fishes
- Conservation of Freshwater Fishes and Crayfishes

The approach of calling for expressions of interest successfully identified highly relevant topics and created a group of engaged individuals that generated enthusiasm around the Congress, encouraging others to get involved. At times it was challenging to communicate with a group of this size and to reduce the number of topics to the required number to form the program. Another approach would have been for the International Program Committee to determine the topics to be listed in the Call for Abstracts.

In developing the final program, related topics were combined to form 34 key topics that featured in the program. A full list of WFC2021 topics is attached in Appendix 1.

Call for abstracts

Due to the postponement of the Congress to September 2021, the Call for Abstracts opened twice, once in 2019 and again in 2021. All authors had an opportunity in the 2021 Call for Abstracts to review or withdraw their initial abstract. New abstracts were also encouraged.

On both occasions there was an overwhelming response with over 1400 abstracts submitted from around the world.

Each abstract submitted in the 2021 Call for Abstracts was reviewed by both a member of the International Program Committee and a session leader.

Authors were advised of acceptance/non-acceptance in May 2021 and were given two months to register for the Congress to secure their spot in the program.

International fisheries science prize winner

The WCFS recognises outstanding contributions of scientists and professionals through various awards and scholarships.

Every four years, the WCFS awards an International Fisheries Science Prize Winner that is announced at the World Fisheries Congress.

Nomination for the International Fisheries Science Prize (managed by the International Fisheries Section of the American Fisheries Society) are called and announced prior to the Congress, allowing the winner of the International Fisheries Science Prize to be a plenary speaker.

The winner of the International Fisheries Science Prize winner was Professor Katsumi Tsukamoto (Tokyo University). Professor Tsukamoto is a world leader in the biology, ecology and conservation of freshwater eels. Unfortunately, for personal health reasons Professor Tsukamoto was unable to present at the WFC2021 and his work was presented by Professor Toyoji Kaneko (Tokyo University) on his behalf.

Opening Address and plenary presentations

The International Program Committee selected high profile speakers who are leaders in research, industry and international fisheries policy to deliver the Opening Address and plenary presentations for the WFC2021.

In selecting speakers, the International Program Committee considered speakers that represented a mix of marine and freshwater; research, industry and management; commercial, recreational and indigenous fisheries; career stages; genders; and geographic regions.

The Opening Address was delivered by Ambassador Peter Thomson, United Nations Secretary General's Special Envoy for the Ocean.

Plenary presentations were delivered by:

Prof Toyoji Kaneko (University of Tokyo), presenting on behalf of the winner of the International Fisheries Science Prize, Prof Katsumi Tsukamoto (University of Tokyo), 'Searching for answer in rivers, estuaries and the sea: the research career of Prof Katsumi Tsukamoto'.

Prof Manuel Barange, Director of the Fisheries and Aquaculture Policy and Resources Division at the Food and Agriculture Organisation in Rome, Italy, 'Blue transformation: safeguarding the contribution of fisheries and aquaculture to the food and nutrition security of 10 billion people'.

Dr Meryl Williams, over 40 years' experience in fisheries, aquaculture, conservation and human development having been the Director General of Worldfish, Director of the Australian Institute of Marine Science and Executive Director of Rural Sciences (Australia), 'What happened to women as fisheries boomed?'.

Dr Beth Fulton, Principal Research Scientist with CSIRO Ocean and Atmosphere, Australia, 'Managing for status does not deliver structure'.

Prof Nicholas Mandrak, Director of a professional Master's program in Conservation and Biodiversity at the University of Toronto, presenting joint research on behalf of Prof Olaf Weyl who was a Chair and Chief Scientist at the South African Institute for Aquatic Biodiversity, 'Ten research questions to support fisheries management in South Africa'.

Prof Ratana Chuenpagdee, Memorial University of Newfoundland, St John's Canada, 'Small-scale fisheries sustainability: progress and challenges'.

Ms Kerstin Forsberg, Founder and Director of Planeta Océano, a Peruvian non-profit organisation empowering coastal communities in marine conservation through research, education, policy and sustainable development efforts, 'Participatory and multidisciplinary strategies for sustainable fisheries and marine conservation'.

Mr Martin Exel, Austral Fisheries and Managing Director of SeaBOS, a collaborative venture between 10 of the world's largest seafood businesses, and the Stockholm Resilience Centre in Sweden, 'Innovative approaches for sustainable seafood production – why do things differently?'

Mr Matt Osborne is a Kurna and Narungga man and has extensive experience in Indigenous fisheries. Program Leader, Aquaculture and Regional Development in Northern Territory Fisheries 'How indigenous fishing can enrich the national image of the fishing industry'.

Structure of the Congress

Following the postponement of the Congress to 2021, the WFC2021 structure was adapted initially to meet the needs of a hybrid event and then again to suit an entirely virtual event.

An initial aim of the International Program Committee was to include innovative session formats that focused on different ways to communicate key points and encourage interaction from the audience. Due to the move to a fully virtual event for WFC2021, a number of the early ideas proposed were unable to go ahead, instead the virtual program was structured to provide dedicated/increased time to discuss and debate key topics and issues, maximising the benefit of bringing the global fisheries community together.

The program included:

Welcome to Country – a traditional Aboriginal ceremony undertaken by the Kurna people – the traditional owners and custodians of Adelaide and the Adelaide Plains.

Welcome – Official welcome from Chair of the WFC2021; President of the WCFS; and representatives of the Australian and South Australian Government.

Opening Address – 30-minute presentation during the opening session.

Plenary presentations – two 40-minute presentations (including time for Q&A) scheduled each day.

Live streamed sessions (3 concurrent sessions) – 1.5-to-2-hour sessions, each focused on one of ~30 key topics that featured 3-5 (12 minute) presentations followed by a 30–60-minute Q&A panel discussion (~6-8 panellist). The audience submitted questions to panellists via the Q&A forum on the WFC2021 virtual portal, which were relayed to the panel via a session Chair. Three concurrent live streamed sessions were scheduled to start early in the morning and run late into the evening (Australian Central Standard Time) to overcome some of the time zones issues associated with an international congress.

To increase industry participation throughout the Congress, topics of particular relevance to industry were scheduled on the same day.

Virtual sessions (4 concurrent sessions) – pre-recorded presentations followed by a live Q&A discussion involving all presenters from the session. The audience submitted questions to panellists via the Q&A forum on the WFC2021 virtual portal, that were relayed to the panel via a session Chair. This component of the program was initially scheduled to be face-to-face when the Congress was running as a hybrid event and expanded to include as many presenters participating online as possible when the Congress moved to fully virtual.

Presentation Gallery – pre-recorded presentations housed in the WFC2021 virtual portal that could be viewed at any time. A discussion forum attached to each presentation allowed delegates to submit questions and presenters to respond. Questions and answers could be viewed by all delegates.

Workshops – virtual workshops were included in the program.

A series of videos ‘WFCTV’ provided by our sponsors were shown in the WFC2021 virtual portal during the lunch breaks across the four days of the Congress. South Australian tourism videos were also shown during alternate morning and afternoon teas to provide information on South Australia as a destination.

All sessions were recorded and remain available to delegates on the WFC2021 virtual portal for six months post-Congress, making information and knowledge shared more accessible than ever before.

Plenary presentations and presentations of student award winners have been made publicly available on the WFC2021 website (www.wfc2021.com.au).

A full list of presentations is attached in Appendix 2.

Workshops

The program included virtual workshops that covered a range of topics:

- Adapting fisheries management to change. Contact: Beth Fulton, CSIRO
- Current approaches to species distribution modelling (R based workshop). Contact: Chris Brown, Griffith University
- Designing conceptual diagrams to convey fish habitat use. Contact: Brendan Ebner, TropWATER, James Cook University
- Graphical and video abstracts for research impact. Contact: Tullio Rossi, Animate your Science
- On-getting published – insights from journal editors. Contact: Steven Cooke, Carleton University.
- Identifying successes and next steps in transdisciplinary fisheries research: perspectives from early-career researchers. Contact: Elizabeth Nyboer, Carleton University.
- Multi-species size spectrum modelling in R. Contact: Julia Blanchard, University of Tasmania, Samik Datta, NIWA and Alice Rogers, Victoria University of Wellington.
- Standard freshwater fish sampling workshop. Contact: Scott Bonar, the University of Arizona.

- Stay afloat – increasing resilience and wellbeing in the seafood sector; a new approach to mental healthiness, Jo Marshall, Culturise.

Events

A number of virtual events were built into the program to increase interaction between delegates:

- Speed Meet and Greet (alternate morning and afternoon tea)
- Student Mixer (Sponsored by ASFB – held on day 1 of the program to encourage students from all over the globe to connect)

ASFB also celebrated their 50th Anniversary during the Congress, hosting an event open to ASFB members.

A Meeting Hub, a feature available in the WFC2021 virtual portal, also allowed delegates to contact and engage with other delegates and presenters throughout the Congress.

An in-person closing event was held for South Australian delegates at the conclusion of the Congress at the Adelaide Convention Centre. This event included the announcement of awards and formal closing, which was also live streamed. The event was an opportunity for South Australian delegates to gather to reflect on the Congress and the opportunity to host such an important event.

A series of additional in-person events were to occur at the Adelaide Convention Centre when the WFC2021 was scheduled as a hybrid event but unfortunately were unable to go ahead with the move to fully virtual. These were:

- Seafood cooking demonstrations from local chefs during lunch breaks
- A celebration of Great Australian Seafood (Hosted by the Seafood Industry Australia)
- International Power Up Breakfast (Hosted by Women in Seafood Australasia)
- Gala Dinner

Australian Society for Fish Biology Annual General meeting

As the host society for the WFC2021, ASFB integrated their 2021 Annual Conference with the Congress.

Registration fees

Registration fees for the Congress were guided by the Professional Conference Organiser (the All Occasions Group) based on the need to cover costs and taking into account registrations fees from similar sized conferences. The Steering Committee, which included a representative from the WCFS, provided input and final approval for registration fees.

One of the challenges in setting a registration fee for conferences that offer a virtual registration is that the virtual component of conferences has a number of significant fees associated with it that can be overlooked by participants who view virtual conferences like a large 'Zoom or Microsoft Teams' meeting. Technical equipment and expertise to run a conference on a digital platform, staff time to upload each individual presentation and run briefings for all live speakers, the cost of the online portal and a venue to operate out of, are just a few of the expenses that need to be covered. None of these take into account base costs such as the Professional Conference Organiser's fees, website, design, etc., all of which exist whether the Congress is virtual, hybrid or face-to-face.

The other challenge in determining the registration fee is estimating the likely number of delegates. This was particularly difficult with the WFC2021 as running a conference of this size using a hybrid or fully virtual format was a relatively new concept and it was unclear how many people would be willing to participate if they could not attend in-person.

Registration fees for the WFC2021 are listed below. Students were offered discounted rates to encourage participation.

Virtual registration: A\$450

Student registration: A\$300

Registration fees covered participation in the Congress and access to all presentations and sessions for six months post-Congress.

A one-day (in-person) registration fee was to be available when the Congress was to proceed as a hybrid event; this was particularly targeted at industry who may only be available for one or two days, with topics and events of particular interest to industry scheduled on the same day (i.e. “dedicated industry day”). An early-bird registration fee and reduced fees for members of fisheries societies was also offered, however following the move to fully virtual event these fees were no longer relevant and they were replaced with a flat virtual fee.

Prior to the move to a fully virtual congress, a COVID-safe guarantee was also offered, allowing delegates to register with confidence to overcome some of the uncertainties related to COVID-19. In-person registrations could be switched to virtual registrations without penalty in the event that they were unable to attend in person due to government enforced COVID restrictions. Once the Congress moved to fully virtual, all in-person registrations were automatically moved across to virtual registrations without penalty. Delegates (who had taken up in-person registrations) were also able to cancel without penalty. A total of 32 delegates cancelled their in-person registration once the Congress moved to fully virtual, with 1,166 delegates participating in the Congress.

Students and early career researchers

In developing the program for the WFC2021, the International Program Committee and Education Committee sought to encourage participation from both students and early career researchers.

In selecting plenary speakers and keynote speakers for live streamed sessions the International Program Committee selected speakers at varied career stages to ensure participation from the next generation and to bring a diversity of perspectives to debates and discussions.

In addition to the ASFB hosting a student mixer, a social event to encourage networking among students, the Education Committee also organised a mentoring program and student awards to encourage student participation in the WFC2021.

The Mentoring Program aimed to connect students with mentors in the early stages of the Congress to foster a valuable mentoring relationship and increase networking opportunities throughout the Congress. The student mentoring program was an opt in program, with mentors and students opting to be involved at the time they registered.

A number of student awards aimed to encourage students to present their work to an international audience and to consider different ways of presenting their science:

- ASFB Graphical Abstract Award Junior (Sponsored by ASFB and FRDC)
- ASFB Graphical Abstract Award Senior (Sponsored by ASFB and FRDC)

- World Fisheries Congress Video Competition Award (Sponsored by Harry Butler Institute, Murdoch University)
- ASFB Video Competition Senior Award (Sponsored by ASFB and FRDC)
- World Fisheries Congress Speed Talk Presentation Award (Sponsored by Harry Butler Institute, Murdoch University)
- ASFB Speed Talk Presentation Award (Sponsored by ASFB and FRDC)
- World Fisheries Congress Oral Presentation Award (Sponsored by Harry Butler Institute, Murdoch University)
- ASFB Oral Presentation Junior (Sponsored by ASFB and FRDC)

The WFC2021 program culminated on the final day with the student speed talk competition that featured live 3-minute student presentations.

Additional support for delegates

The International Council for the Exploration of the Sea (ICES) provided grants to cover the virtual registration fee of 39 Early Career Scientists. ICES support the attendance of the emerging generation of marine scientists at science symposia in order to develop and share knowledge and expertise related to marine science.

To further encourage participants from regions that may not normally be able to attend the World Fisheries Congress, the Minderoo Foundation supported the participation of 29 delegates from countries defined as Developing or Small Islands Developing States by the United Nations (UN), by funding their virtual registration to WFC2021.

The International Fisheries Section of the American Fisheries Society also sponsored 13 delegates from 10 countries to participate in the WFC2021 through the Sullivan Family Endowment Fund ([International Travel Award – Sullivan Family Endowment Fund | International Fisheries Section](#)).

Greater diversity of attendees facilitated collaborative opportunities from these regions, with the aim to help share knowledge, raise the profile of these communities and strengthen efforts towards achieving sustainable fisheries worldwide.

Sponsors and exhibitors

The support of the South Australian Government, through the Adelaide Convention Bureau (\$200,000) and PIRSA-SARDI (\$50,000 plus significant in-kind contributions), and the FRDC (\$200,000) was pivotal in the success of the initial bid and ultimately the Congress. Additional sponsorship and exhibitor funds contributed greatly to the success of the Congress. The sponsorship of sponsors and exhibitors helped WFC2021 keep the registration fees to a reasonable level which encouraged broad participation.

To attract additional sponsorship, a Sponsorship and Exhibition Prospectus was developed and made available on the WFC2021 website, as well as circulated directly to prospective sponsors and exhibitors. Information on sponsorship and exhibitor opportunities was also provided regularly through updates (e-mail updates, social media and articles). Additional information about virtual sponsorship opportunities was developed and made available once the Congress shifted to a fully virtual congress.

A virtual exhibition was set up in the WFC2021 virtual portal where sponsors and exhibitors were provided a virtual 'stand' that included their logo, company profile, brochures, videos and social media/web links. Delegates were able to connect with exhibitors in the exhibition via text-based chat and video calls. Sponsor's logos, with links to the websites of companies and organisations are listed on the WFC2021 website, with rolling banners displaying sponsor logos featured at the top of the home page of the WFC2021 virtual portal and will remain visible for six months post-Congress.

A full list of sponsors and exhibitors is attached in Appendix 3.

The Sponsorship Prospectus is attached in Appendix 4.

Communications

A Marketing and Communications Strategy was developed to outline a targeted approach to promote the Congress and attract delegates in the lead up to WFC2020. This included:

- Developing a Congress logo (the 7 fish representing the 7 oceans of the world).
- Developing a Congress brand and website (www.wfc2021.com.au).
- Developing a short promotional video. (<https://www.youtube.com/watch?v=YTCK0GT-yAU>).
- Preparing a Save the Date flyer circulated for distribution through national and international networks.
- Preparing a PowerPoint slide containing key Congress details that was circulated through partner organisations to include as the final slide in any fisheries related talk in the lead up to the Congress.
- Developing electronic banners that could be inserted into newsletters providing key Congress details. Banners could also be customised to communicate key messages or a call to action, such as 'Registrations Open'.
- Developing adverts in a range of sizes that contained key Congress details.
- Identifying communication, media and marketing opportunities.
- Identifying delegate boosting activities, including a number of industry-based events and a trade booth at the American Fisheries Society and The Wildlife Society 2019 Joint Annual Conference in Reno, Nevada.

Communications assets were updated to reflect the change from WFC2020 to WFC2021 once the Congress was postponed.

Logos of key societies and foundation sponsors (WCFS; ASFB; South Australian Government (PIRSA, SARDI, Adelaide Convention Bureau and Adelaide Convention Centre); and the Australian Government through FRDC) were included in all communications.

In addition to the broad promotion of the Congress, the following communications were distributed regularly through national and international networks to provide updates on developments to the program, events, speakers and events. The Steering Committee and International Program Committee were critical in circulating information about the Congress through their networks. Representatives from the WCFS assisted in establishing and fostering linkages with the different societies to assist with distributing information about the Congress.

Communications via social media initially utilised partners' and supporting organisations and societies existing social media accounts and established audiences, to promote the World Fisheries Congress. A standard response was provided with suggested posts so that our network could direct

queries to the Professional Conference Organisers in the event they received feedback: *Thanks for your interest, we'd be happy to answer any other questions on WFC2020, you can contact us at conference@aomevents.com*. A dedicated twitter account was established in the lead up to the WFC2021 to enable two-way communication with the delegates and to provide a dedicated channel for the WFC2021. A common hashtag (#wfc2021) was used throughout all social media. Speakers (plenary and live streamed), session chairs and panellists were asked to help promote their session by posting through their social media accounts using the #wfc2021. Ambassador Peter Thomson, who delivered the Opening Address and Plenary Speakers also provided a short video about their presentation that was circulated on social media in the lead up to the Congress. Sponsors also helped promote the Congress by announcing their sponsorship via their website or social media. The dedicated Twitter account was set up using the handle @world_fisheries so that it can be passed to the organisers of the next World Fisheries Congress, providing continuity between World Fisheries Congresses.

Regular communication updates were provided through:

- E-mail updates (initially circulated to people who registered their interest on the website and later also to those that registered to attend the Congress)
E-mail updates were sent about every 6 weeks starting two years prior to the Congress, with the frequency increasing to about 2 weeks in the 3 months prior to the Congress.
- Social media posts (Twitter, Facebook, Linked In)
Social media posts were initially sent via PIRSA accounts at the same time as e-mail updates. The frequency increased once the dedicated twitter account was launched about 4 months prior to the start of the Congress.
- Newsletter and magazine articles
Key articles were published in the FRDC Fish Magazine (5 articles) and American Fisheries Society's Fisheries journal (4 articles).
Announcements and updates were also provided to the societies and through our network with updates regularly included in PIRSA's eNews; ASFB Newsletter; Fisheries Society for Fish Biology Newsletter; FRDC's Stakeholder Briefing; FRDC's Newsletter; Department of Primary Industries and Regional Development (DPIRD)'s e-mail newsletter, Fish eNews; ECO (environment, coastal and offshore) magazine; and In-Fish network (<https://infish.org/>).
- Advertisements in magazines and newsletters
Advertisements and electronic banners promoting the Congress and making key announcements (e.g. the Call for Abstracts now open) featured in the Journal of Fish Biology; Seafood New Zealand; FRDC's Fish Magazine; American Fisheries Society's FISH Magazine; and DPIRD's Fish eNEWS.
- News section of the WFC2021 website
Updates were provided regularly through the news section of the WFC2021 website.
- General media
Media releases were prepared around key announcements: confirmation that Adelaide was to host the 8th World Fisheries Congress; Confirmation the WFC2021 was to go ahead after being postponed due to the COVID-19 pandemic; in the lead up to the Congress; and during the Congress week.
- Meeting updates
Congress updates were regularly provided at meetings that involved key fisheries agencies in Australia including the ; Australian National Marine Science Committee and Australian Fisheries Managers Forum meetings, as well as the WCFS meetings.

A number of websites also listed key information about the WFC2021 under the events section of their website that assisted in making the global fisheries community aware of the event. These included:

- 10times;
- All Events in Adelaide;
- American Fisheries Society;
- ASFB;
- Austral Fisheries;
- BMT;
- Consultative Group on International Agriculture Research (CGIAR) – Research Program on Fish, led by WorldFish;
- Deep-Ocean Stewardship Initiative (DOSI);
- ECO Magazine;
- EM4Fish;
- Environment Institute – the University of Adelaide;
- European Alien Species Information Network (EASIN);
- FRDC;
- Goyder Institute for Water Research;
- Hatchery International;
- InFish;
- Institute of Fisheries Management (IFM);
- International Council for the Exploration of the Sea (ICES);
- International Fisheries Section of American Fisheries Society;
- Made in China – connecting buyers with Chinese suppliers (trade expo);
- Marine Bio Conservation Society;
- MDPI Journals;
- Oceania Condriichthyan Society;
- Pacific Islands Regional Fisheries Observer (relating to Minderoo grants);
- PIRSA;
- SafeFish;
- Seafood Alliance for Legality and Traceability (SALT);
- Seafood Industry Australia (SIA);
- ShowsBee.
- SSF Hub – strengthening small-scale fisheries through partnership and community;
- Too Big To Ignore – Global Partnership for small-scale fisheries research;
- Victorian Fisheries Authority (VFA);
- Victorian Recreational Fishing Peak Body (VR Fish);
- Western Australia Fishing Industry Council (WAFIC);
- Western Australian Marine Science Institution (WAMSI);
- Women in Seafood Australasia (WISA);
- WorldFish; and
- XpoBuzz.

Publications

Abstracts were made available via the Program link on the WFC2021 website, under the 'Speakers' tab. Abstracts will remain open for six months post congress.

The International Program Committee is preparing a Special Issue in Reviews in Fish Biology and Fisheries, pending the number of submissions.

Results

The WFC2021 attracted 1,166 delegates from 60 countries, representing all six global regions (Figure 1). There were more than 200 students who joined sessions from around the world. Australia had the largest number of delegates per country participating in the Congress, with South Australia being the most represented State within Australia (Figure 2). A full list of the number of registrations by country is attached in Appendix 5.

Over 800 presentations were presented at the WFC2021. 10 plenary presentations, 152 keynote presentations, and 353 virtual presentations were presented across 95 sessions, with an additional 276 on-demand presentations and 37 poster presentations presented in the Presenter’s Gallery in the WFC2021 virtual portal. A full list of presentations is attached in Appendix 2.

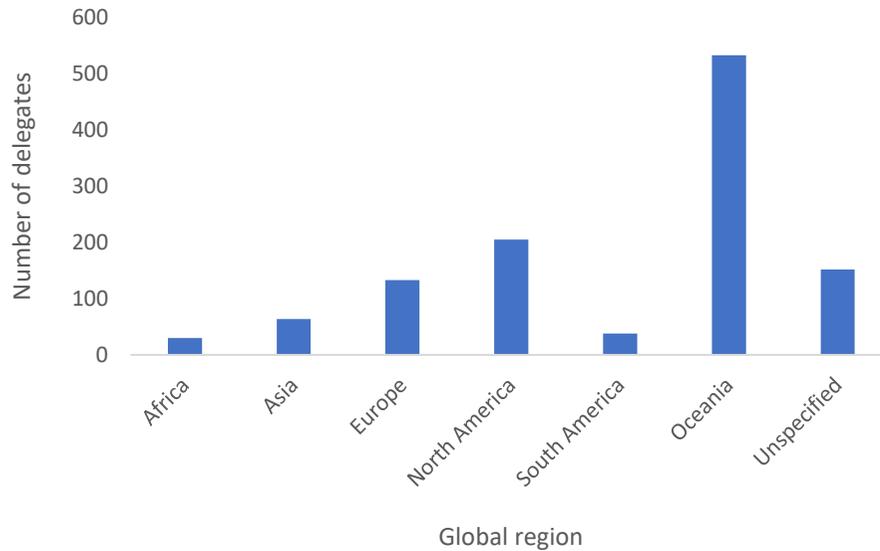


Figure 1 The number of registrations for the World Fisheries Congress 2021 (WFC2021) by global region.

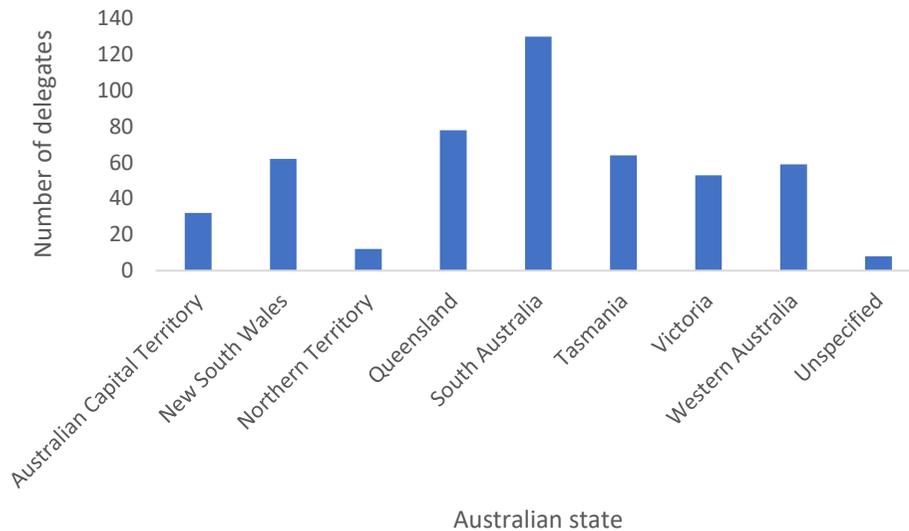


Figure 2 The number of registrations for the World Fisheries Congress 2021 (WFC2021) by state within Australia.

The time difference between Australia and the Northern Hemisphere made it challenging for some to participate in sessions live, however as all sessions and presentations were recorded, delegates could view presentations and discussions at a time that was convenient for them. Of the total number of registered delegates, 87% participated during the Congress week. All delegates have six months to view recordings of presentations and sessions in the WFC2021 virtual portal.

The plenary sessions were well attended with between 180 and 280 delegates viewing the sessions live. The opening session, that included the Opening Address had the largest number of delegates, with over 380 delegates viewing the session live. Recordings of all sessions were viewed in the month following the Congress (Figure 3).

While live participation in the live streamed sessions was variable, nearly all sessions had >50 delegates participating (Figure 4), with an average of 98. The pattern of participation in virtual sessions was very similar with each session having >40 delegates participating live, with some sessions having more than 170 delegates participating live (Figure 5). The average live participation rate in virtual sessions was 81.

Throughout the week of the Congress delegates also visited the virtual exhibitions, with nearly all exhibitors visited by 80 or more delegates (Figure 6) and an average of 142 delegates visiting each exhibitor.

Participation in the post-Congress survey was 10 percent of the total number of delegates. Responses from the post-congress survey are attached in Appendix 6.

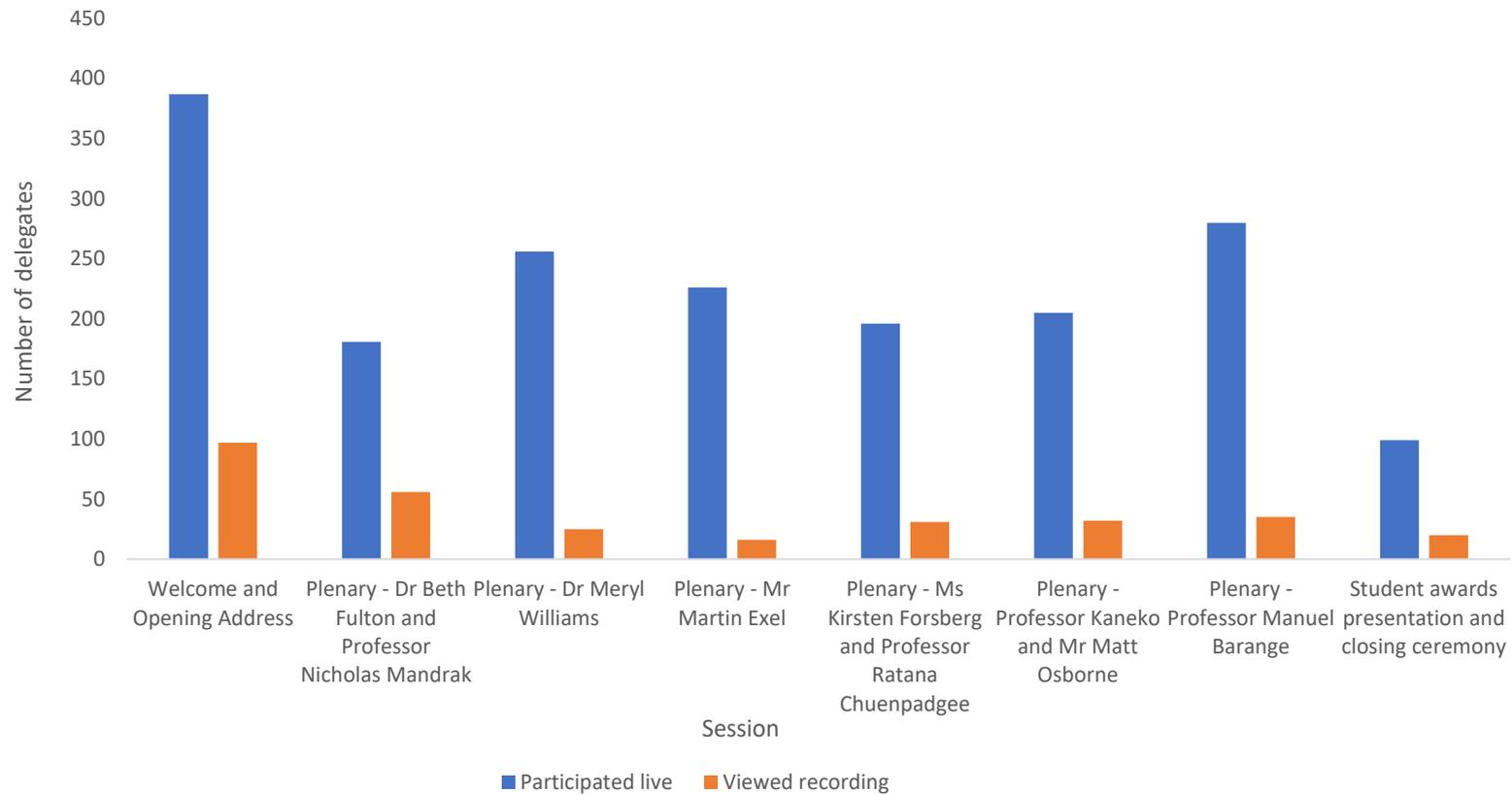


Figure 3 Number of delegates that participated in plenary and opening and closing sessions live and that viewed session recordings (1-month post-congress)

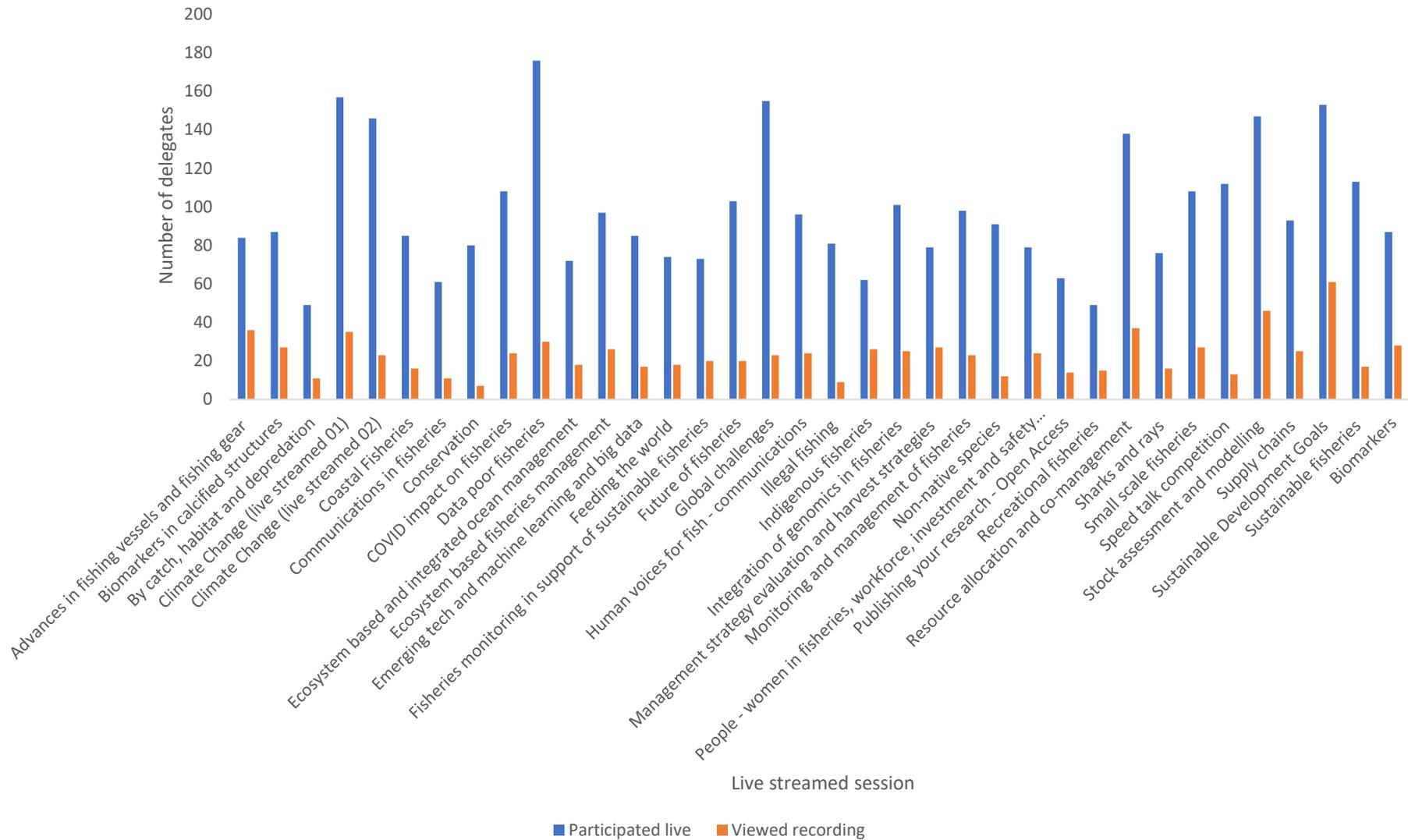


Figure 4 Number of delegates that participated in live streamed sessions and number of delegates that viewed session recording (1-month post-congress)

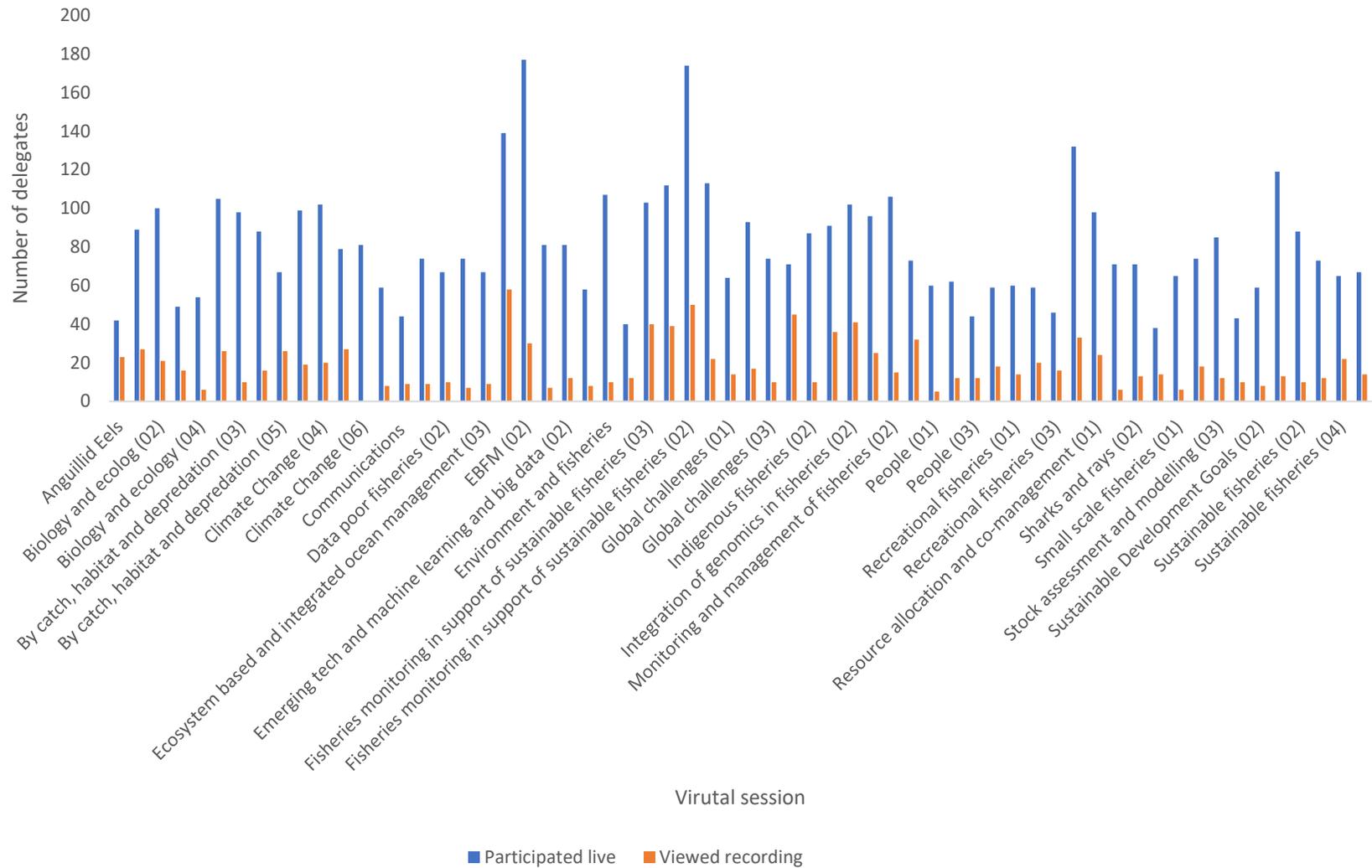


Figure 5 Number of delegates that participated in virtual sessions and number of delegates that viewed session recording (1-month post-congress)

Key outcomes

The WFC2021 provided an opportunity to take stock and reflect on what how far the fisheries community has come since the first World Fisheries Congress was held nearly 30 years ago. While it is clear there is still much work to be done on many of the issues raised at the first World Fisheries Congress, as well as new issues to deal with, the developments and thought-provoking work presented and discussed throughout the WFC2021 suggests we have advanced our approach and are moving forward in the right direction. Key issues highlighted during the Congress include:

- understanding and managing the complexity of whole systems;
- sharing oceans and rivers with multiple users;
- preventing overfishing and recovering overfished stocks;
- eliminating illegal, unreported and unregulated (IUU) fishing and destructive fishing practices;
- addressing and responding to climate change, plastic waste and other pollution;
- developing the resilience to recover from COVID-19 pandemic impacts and preparedness for similar future challenges;
- securing sustainable small-scale fisheries and equitable access to resources;
- improving workforce safety, gender equality and recognition of the significant role women play in the seafood sector;
- eliminating human rights abuses and modern slavery in seafood production;
- recognising the importance of traditional customary fishers and their participation in decision-making processes.

Common solutions discussed during the congress included:

- developing and applying new and emerging technologies;
- promoting coastal and inland fisheries in food security and economic development;
- co-managing fisheries to provide stewardship of resources, with participatory decision-making involving scientists, fishers, managers and other stakeholders (doing it together);
- co-designing solutions across scientific disciplines and stakeholder groups to develop innovative, locally tailored solutions to industry issues, such as bycatch;
- building capacity across all sectors – Indigenous, recreational, commercial, research and management;
- improving communication and transparency in operations; and building community trust.

The involvement and contribution of key fisheries stakeholders, Indigenous, recreational and commercial fisheries, enriched discussions and debates at the WFC2021. The participation of over 200 students also offered different perspectives on topics and issues and encouraged a sharing of knowledge and expertise.

The delivery of the WFC2021 on a virtual platform was a first for a World Fisheries Congress and required to respond to unprecedented circumstances.

The live Q&A and discussion forums available in the WFC2021 virtual portal for each session encouraged broad and active participation, which lead to in-depth debate and discussion of key topics which was a highlight for many. One of the biggest benefits of the virtual platform is that all sessions and presentations were recorded, providing a valuable resource that is available to all delegates until March 2022. The virtual format also allowed those that were previously unable to travel to participate in the Congress.

While it is widely acknowledged that face-to-face events are the preferred mode of delivery, there are benefits of a virtual platform and there is likely to be demand for some of these aspects derived from a virtual platform to be incorporated into future events.

The 9th World Fisheries Congress will be held in Seattle, Washington, USA, 3-9 March 2024.

Lessons learnt

When reflecting on any event, there are always things that worked well and others that could be done differently next time. Below are some suggestions that could be considered for future World Fisheries Congresses, based on learnings from WFC2021 as a virtual event.

- Use quality, reliable conference management software (to manage key process such as the call for abstracts) that can be customised to meet the needs of the congress.
- Select conference management software that includes program design tools to assist in developing a complex program structure. This should include a feature to create a dynamic on-line program that is also downloadable, allowing delegates to easily see who is speaking at the same time and last-minute changes to be captured.
- Select a highly rated virtual platform with proven delivery, supported by a live help team.
- Check that all congress assets (website, virtual platform etc.) are optimised for use on mobile phones. Be aware that some video platforms (used in virtual conferences), such as vimeo.com, are banned in some regions (e.g. Indonesia).
- Consider making pre-recorded presentations and the recordings of all sessions available pre- and post- congress to give delegates more of an opportunity to view.
- Consider including a reduced number of 'live streamed' concurrent sessions, consisting of a few keynote presentations and an extended Q&A panel discussion, to increase participation in sessions and provide time for genuine debate and discussion.
- In selecting speakers, include a mix of marine and freshwater; research, industry and management; commercial, recreational and indigenous fisheries; career stages; genders; and geographic regions.
- Ensure delegates are able to ask presenters and panel members questions by typing questions into the virtual portal, relayed via a session Chair. The ability to ask questions through the virtual portal (text based) saw an increase in the number of delegates and a broader range of delegates asking questions, compared to an in-person event, adding to the success of the panel discussions.
- Consider scheduling some sessions early and late to encourage participation from delegates in different time zones.
- Run briefing sessions for live presenters and session Chairs to ensure sessions run smoothly.
- Investigate opportunities in virtual portals to encourage interaction amongst delegates. Nothing can replace face-to-face interaction, however there are many features within virtual portals (e.g. live congress chat (text based) visible to all delegates at all times; randomly assigned chat rooms that can be used in breaks; ability for delegates, presenters and exhibitors to contact each other directly; break out rooms that can be used to continue discussions after sessions; and virtual events) that can assist with creating opportunities for engagement.
- Finally, look to include representatives on the congress steering and program committees from international fisheries societies and key fisheries agencies. Their collective experience

in helping guide the congress and assistance in distributing information through their networks is invaluable.

List of acronyms

ASFB – Australian Society for Fish Biology

FRDC - Fisheries Research and Development Corporation

PIRSA – the Department of Primary Industries and Regions

SARDI – the South Australian Research and Development Institute

UN – United Nations

WCFS – World Council of Fisheries Societies

WFC – World Fisheries Congress

WFC2020 – World Fisheries Congress 2020

WFC2021 – World Fisheries Congress 2021

Appendix 1 – Congress topics

Theme 1 - Sustainable fisheries (assessment, regulation, enforcement)

1. Coastal fisheries
2. COVID – impact on fisheries
3. Data poor fisheries
4. Fisheries monitoring in support of sustainable fisheries
5. Illegal fishing
6. Indigenous fisheries
7. Monitoring and management of freshwater-dependent fish and fisheries
8. Management strategy evaluation and harvest strategies
9. Recreational fisheries
10. Resource allocation and co-management
11. Small Scale Fisheries – basket case or benefit basket'
12. Stock assessment and modelling
13. Sustainable Development Goals
14. Sustainable fisheries – recovering and overfished stocks

Theme 2 - Fish and aquatic ecosystems (biodiversity, conservation, ecosystem function, integrated management)

15. Biology and ecology
16. By-catch, habitat and depredation
17. Climate change
18. Conservation
19. Ecosystem-based fisheries management
20. Ecosystem-based and integrated ocean management
21. Anguillid eels
22. Environment and fisheries
23. Non-native species – impacts and management
24. Sharks and rays

Theme 3 - Fisheries and society (contributions to sustainable development)

25. Communications
26. Feeding the world – food nutrition, safety and waste
27. Global challenges – social licence, pollution, and international fisheries
28. People - women in fisheries, workforce, investment, safety and building capacity

Theme 4 - Future of fish and fisheries (innovations in fisheries)

29. Advances in fishing vessels and fishing gear
30. Biomarkers in calcified structures
31. Emerging technologies, machine learning and big data
32. Future of fisheries
33. Integration of genomics in fisheries management and aquaculture
34. Supply chains, traceability and marketing

Appendix 2 WFC2021 presentations

Please note: only presenters are listed below. Full details, including co-authors and abstract, are available under the 'Speakers' tab on the on-line program (www.wfc2021.com.au).

Theme 1 – Sustainable fisheries (assessment, regulation and enforcement)

Coastal fisheries

Caleo, Patrick (Marine Stewardship Council). Using the MSC standard as a tool to improve coastal fisheries. Coastal fisheries - Concurrent Session 2 – Wednesday, 22 September.

Casauay, Robert Bryan (University of The Philippines Marine Science Institute). Contrasting population patterns of the leopard coral trout, *Plectropomus leopardus* in two Live-Reef-Fish-for-Food-Trade sites in the Philippines. Coastal fisheries (On-demand).

Honig, Maria (WWF). Accelerating community-led conservation through a global movement. Coastal fisheries (On-demand).

Mizrahi, Meira (Wildlife Conservation Society). Opportunities for Co-Management of Coastal Fisheries in Myanmar's Rakhine Seascape. Coastal fisheries - Concurrent Session 2 – Wednesday, 22 September.

Nicolas, Tanguy (Fauna & Flora International). Strengthening small-scale fisheries supply chains through Participatory Market Systems Development. Coastal fisheries (On-demand).

Prasetyo, Andhika (The University of Salford). Development of DNA monitoring procedures for shark and ray trade products in Indonesia. Coastal fisheries (On-demand).

Prince, Jeremy (Biospherics Pty Ltd). Spawning Potential Surveys: A recipe for informing and motivating management reform in coastal fisheries. Coastal fisheries - Concurrent Session 2 – Wednesday, 22 September.

RANDRIANJAFIMANANA, Nambinintsoa Tahiry (Blue Ventures Conservation). Developing innovative, integrated and consensual conservation models for engaging people and removing barriers to participating in small scale fisheries management in Madagascar. Coastal fisheries (On-demand).

COVID - impact on fisheries

Cottrell, Richard (National Center for Ecological Analysis, University of California Santa Barbara). Emerging COVID-19 impacts, responses, and lessons for building resilience in the seafood system. COVID – impact on fisheries - Concurrent Session 3 – Tuesday, 21 September.

Lynch, Abigail J. (U.S. Geological Survey, National Climate Adaptation Science Center). COVID-19 influences on US recreational angler behavior. COVID – impact on fisheries - Concurrent Session 3 – Tuesday, 21 September.

Moore, Andy (ABARES). Impact of Covid-19 on Recreational Fishing activity in Australia. COVID – impact on fisheries - Concurrent Session 4 – Wednesday, 22 September.

Ogier, Emily (Institute for Marine And Antarctic Studies). Impacts of COVID19 on Australian fisheries production and assessment: shock transmission pathways, innovations and implications for decision support. COVID – impact on fisheries - Concurrent Session 3 – Tuesday, 21 September.

Phillips, Genevieve (Australian Antarctic Division). Facilitating fisheries collaboration during a pandemic: software for automated random coffee pairings (Poster presentation).

Posadas, Benedict (Mississippi State University). ECONOMIC RECOVERY PATHS OF GULF OF MEXICO SHRIMP FISHERIES. COVID – impact on fisheries (On-demand).

Sánchez Daroqui, Rubén (Food and Agriculture Organization (FAO)). Increasing Resilience in the Context of the COVID-19 Pandemic: a Review of Coping and Adaptation Strategies by the Small-scale Fisheries Sector. COVID – impact on fisheries - Concurrent Session 3 – Tuesday, 21 September.

Smith, Sarah (Rutgers University). Understanding individual- and fisheries-level factors predicting fishermen's responses to the COVID-19 pandemic in the Northeast United States. COVID – impact on fisheries - Concurrent Session 3 – Tuesday, 21 September.

Stokes, Gretchen (University of Florida). COVID-19 pandemic impacts on global inland fisheries. COVID – impact on fisheries - Concurrent Session 4 – Wednesday, 22 September.

Sugimoto, Aoi (Japan Fisheries Research and Education Agency). How has the 'customary nature' of Japanese fisheries reacted to Covid-19? An interdisciplinary approach. COVID – impact on fisheries - Concurrent Session 4 – Wednesday, 22 September.

Data poor fisheries

Aramburu, Mercedes (Universidad de Cádiz). Exploratory implementation of the surplus production model in continuous time (SPICT) for common dolphinfish in the Indian Ocean (Poster presentation).

Baillargeon, Gabrielle (Roger Williams University). Improving the Productivity-Susceptibility Analysis to Assess Data-Limited Fisheries (Poster presentation).

Bessell-Browne, Pia (CSIRO). Overfished stocks: how to assess population status with limited data? Data poor fisheries (On-demand).

Bouch, Paul (Marine Institute). Comparative performance of data-poor CMSY and data-moderate SPICT stock assessment methods when applied to data-rich, real world stocks. Data poor fisheries (On-demand).

Carella, Ernesto (University of Oxford). Data poor agent-based modelling: the case of the Indonesian deep-water snapper grouper complex. Data poor fisheries (On-demand).

Castello, Leandro (Virginia Tech). A method to estimate past fisheries catch-rates based on fishers' recall. Data poor fisheries (On-demand).

Chick, Rowan (NSW DPI Fisheries). Strategic planning for fisheries resource monitoring, assessment and management in New South Wales, Australia – Utilising the decision support tool FishPath.. Data poor fisheries - Concurrent Session 4 – Friday, 24 September.

Crosman, Katherine (University of Washington). The effects of FishPath, a multi-stakeholder decision-support tool, on stakeholder buy-in to management in data-limited fisheries. Data poor fisheries (On-demand).

Danby, Rufus (University of Aberdeen). Estimating and accounting for fish losses under the footrope of a survey trawl: the case of northern shelf anglerfish. Data poor fisheries (On-demand).

Dougherty, Dawn (The Nature Conservancy). FishPath: An Engagement Process, Decision-Support Tool, and Network of Practitioners for Harvest Strategy Development in Data- and Capacity-Limited Fisheries. Data poor fisheries (On-demand).

Gharsalli, Manel (Tokyo University of Marine Science And Technology). Stock assessment for the data-limited common spiny lobster (*Palinurus elephas*) fishery in Tunisia (Poster presentation).

Green, Madeline (CSIRO). Using environmental DNA to reconstruct target and by-product catch composition for fisheries vessels. Data poor fisheries - Concurrent Session 2 – Tuesday, 21 September.

Hinchliffe, Charles (University of New South Wales). A novel approach for estimating growth and mortality of fish larvae across fine scales. Data poor fisheries - Concurrent Session 3 – Tuesday, 21 September.

Holmes, Steven (NIWA). Constructing density surfaces of New Zealand inshore stocks. Data poor fisheries - Concurrent Session 4 – Friday, 24 September.

Medeiros Leal, Wendell (IMAR Instituto do Mar). A guidance for stock assessment in the Azores based on the ICES MSY framework (Poster presentation).

Omori, Kristen (Virginia Institute of Marine Science, William & Mary). Assessment and management of species complexes in the United States. Data poor fisheries (On-demand).

Ovando, Daniel (University of Washington). Improving Fisheries Stock Assessment through Economics. Data poor fisheries (On-demand).

Ovando, Daniel (University of Washington). Future Directions for Global Fishery Assessment. Data poor fisheries (On-demand).

Pascoe, Sean (CSIRO Oceans and Atmosphere). Relationship between efficiency, capacity utilisation and economic performance of vessels and fleets. Data poor fisheries - Concurrent Session 4 – Friday, 24 September.

Prince, Jeremy (Biospherics Pty Ltd). Back to the Future for the Data-Poor Integration of Everything: Operationalizing Beverton and Holt's misunderstood concept of Life History Ratios. Data poor fisheries - Concurrent Session 4 – Friday, 24 September.

Rodriguez Jimenez, Alfredo (University of Magdalena). Reference points estimation in the Colombian Pacific deep sea shrimp fishery: A data-poor fisheries approach. Data poor fisheries (On-demand).

Rodriguez Jimenez, Alfredo (University of Magdalena). Using morphometric characteristics in *Nephropsis aculeata* (Smith, 1881) to estimate size at sexual maturity: A data-poor fisheries approach. Data poor fisheries (On-demand).

Stacy, Brett (University of Tasmania, Commonwealth Scientific and Industrial Research Organisation, Australian Antarctic Division). Detecting the presence of mis-reported catch through stock assessment diagnostics. . Data poor fisheries - Concurrent Session 3 – Tuesday, 21 September.

Tallman, Ross (Fisheries and Oceans Canada). Many stocks – few data: Data poor methods deployed to assess Canadian Arctic stocks. Data poor fisheries - Concurrent Session 4 – Friday, 24 September.

Fisheries monitoring in support of sustainable fisheries

Alger, Brett (NOAA/NMFS/Office of Science and Technology). 21st Century Fisheries Monitoring: Expanding emerging data collection tools and analytics to support next-generation stock assessments and real-time management. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Thursday, 23 September.

Antelo, Luis T. (Marine Research Institute (IIM-CSIC)). Artificial Intelligence Techniques for Real-Time Monitoring of Fishing Catches: The iObserver. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Thursday, 23 September.

Bailleul, Frederic (SARDI). Spatially explicit data in South-Australian Abalone Fishery: a crucial need for a better understanding of stock dynamics. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 1 – Tuesday, 21 September.

Barkai, Amos (OLSPS). Olrac Integrated Electronic Monitoring and Reporting solution: A novel, affordable and effective approach to the Monitoring, Control, and Surveillance of commercial fishing operations. Fisheries monitoring in support of sustainable fisheries (On-demand).

Benoît, Hugues (Fisheries and Oceans Canada). A unified framework for the development and statistical assessment of catch monitoring programs. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Thursday, 23 September.

Bonar, Scott (University of Arizona). The American Fisheries Society Standard Methods for Sampling North American Freshwater Fishes Project: Overview, Design and Use. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Brigden, Katie (University of The Highlands and Islands (NAFC Marine Centre)). How fisher self-sampling can enhance pelagic fisheries data collection. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Clarke, Thomas (Flinders University). Revealing the spawning behaviour and activity of Yellowtail Kingfish from accelerometer loggers. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Clegg, Tom (Institute of Marine Research). A simulation approach to assessing bias in a fisheries self-sampling programme. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Tuesday, 21 September.

Escalle, Lauriane (The Pacific Community). Can echo-sounder data from drifting Fish Aggregating Devices (dFADs) help manage the largest fishery in the world? Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Evans, Karen (CSIRO Oceans and Atmosphere). Connectivity of tuna and billfish species targeted by the Australian Eastern Tuna and Billfish Fishery with the broader Western Pacific Ocean. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Faunce, Craig (NOAA). Identifying periods of potential scale tampering aboard at-sea catcher processors in the North Pacific (Alaska). Fisheries monitoring in support of sustainable fisheries (On-demand).

Faunce, Craig (NOAA). Forecasting fisheries monitoring efficiency and effectiveness in Alaska. Fisheries monitoring in support of sustainable fisheries (On-demand).

Faunce, Craig (NOAA). Better faster cheaper? Real lessons from replacing fishery observers with technology in the North Pacific. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Hall, Karina (NSW Department of Primary Industries). Application of anomaly detection methods from 'big data' analytics to identify, quantify and assess the influence of errors in fisheries-dependent data. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 1 – Tuesday, 21 September.

Han, Deok (Mississippi State University). System Design Considerations for a Robust Marine Electronic Monitoring (EM) System. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Tuesday, 21 September.

Leitao, Pedro (IPMA). Fishing activities in the Gorringe bank, a Portuguese Marine Protected Area . Fisheries monitoring in support of sustainable fisheries (On-demand).

Ma, Xingjun (The University of Melbourne). Automated Detection of Anomalous Fishing Activities from Fisheries Catch-and-Effort Data. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 1 – Tuesday, 21 September.

Markey, Yolande (PIRSA). Quantifying weight of catch for quota purposes in a high volume small Pelagic Fishery. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 1 – Tuesday, 21 September.

Miller, Ian (National Marine Fisheries Service). Electronic Technologies in the United States Atlantic Pelagic Longline Fishery. Fisheries monitoring in support of sustainable fisheries (On-demand).

Pastors, Martin (Pelagic Freezer-trawler Association). Opportunities and challenges in making fisheries responsible for monitoring: comparing self-sampling approaches in pelagic fisheries. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Thursday, 23 September.

Petrolo, Emma (Macquarie University). Stock structure and effective population size of the commercially exploited Gummy shark. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 3 – Tuesday, 21 September.

Rogers, Troy (SARDI). Quantifying post-release survival of snapper (*Chrysophrys auratus*; Sparidae) using acoustic telemetry and estimating fishing mortality in a multi-sector fishery. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Sporcic, Miriana (CSIRO). Improving fishery independent surveys using fishery dependent data. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 1 – Tuesday, 21 September.

Tilley, Alexander (Worldfish). Big data for small-scale fisheries. Fisheries monitoring in support of sustainable fisheries (On-demand).

Vidal, Tiffany (The Pacific Community). Monitoring abundance trends in skipjack tuna from the tropical purse seine fishery using observer reports and FAD buoy data. Fisheries monitoring in support of sustainable fisheries - Concurrent Session 2 – Tuesday, 21 September.

Wouters, Julia Magdalena (University of Aberdeen). Electronic Monitoring as a low-cost scientific asset for fisheries management. Fisheries monitoring in support of sustainable fisheries (On-demand).

Illegal fishing

Acharya, Debaditya (CSIRO). Fishing for anomalies: Machine learning approaches to detect anomalous behaviour by fishing vessels. Illegal fishing - Concurrent Session 4 – Wednesday, 22 September.

Cote, David (Fisheries and Oceans Canada). Social-ecological management results in sustained recovery of an imperiled salmon population. Illegal fishing - Concurrent Session 1 – Thursday, 23 September.

Lee, Yi-Jou (National Taiwan Ocean University). The catch compositions of trawler in coastal and offshore waters off Taiwan inferred from data mining analysis. Illegal fishing (On-demand).

Mackay, Mary (CSIRO). The Intersection Between Illegal Fishing, Crimes at Sea, and Social Well-Being. Illegal fishing - Concurrent Session 1 – Thursday, 23 September.

Mkuchu, Jovice (Fish Inspector). TRADE MEASURES TO DETER ENTRY OF ILLEGALLY CAUGHT FISHERIES PRODUCTS INTO MARKETS IN TANZANIA. Illegal fishing (On-demand).

Oyanedel, Rodrigo (University of Oxford). Evaluating the trade of legal and illegal fish. Illegal fishing (On-demand).

Oyanedel, Rodrigo (University of Oxford). Motivations for (non-) compliance with rules and regulations by small-scale fishers. Illegal fishing - Concurrent Session 1 – Thursday, 23 September.

Pormon, Miah Maye (UP Visayas-Tacloban College). Challenges and Social Acceptance on the Adoption of the Raft Method Technology among Oyster Farmers in Western Visayas. Illegal fishing (On-demand).

Purbayanto, Ari (IPB University). Sinking of Foreign Fishing Boats Perpetrators of IUU Fishing: Rules and Weak Prevention Measures. Illegal fishing (On-demand).

Wilcox, Chris (CSIRO). Estimating illegal fishing from enforcement officers. Illegal fishing. Concurrent Session 4 – Wednesday, 22 September.

Indigenous fisheries

De Sousa, Emily (University of Guelph). Values, challenges, and opportunities for resilience presented by alternative seafood networks. Indigenous fisheries - Concurrent Session 3 – Thursday 23 September.

Disspain, Morgan (Niche Environment and Heritage). Djenj Mankarre: Bininj Fishing Past, Present and Future. Indigenous fisheries - Concurrent Session 3 – Wednesday, 22 September.

Kitolelei, Salanieta (The University of the South Pacific). Gems of time – Tales of fisherwomen and their local ecological knowledge – Fiji. Indigenous fisheries - Concurrent Session 3 – Thursday, 23 September.

Labatt, Chepkemboi (Ulster University). Traditional Heritage Knowledge (TheK) enhances sea turtle conservation in Pemba Island, Tanzania and Kwale County, Kenya. Indigenous fisheries (On-demand).

Lee, Emma (Swinburne University of Technology). Social impacts through cultural fishing rights and economies. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Loban, Frank (James Cook University). Adoption of a new community-endorsed harvest strategy for the Torres Strait bêche de mer fishery. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Miller, Del (PIRSA). Recognising Aboriginal Fishing Rights in South Australian Fisheries Policy and Management . Indigenous fisheries - Concurrent Session 3 – Thursday, 23 September.

Murphy, Nicole (CSIRO). Torres Strait futures, adapting modern management to traditional fishing and community values. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Nowland, Samantha (Northern Territory Government). From wild harvest fishery to aquaculture: Community-driven tropical rock oyster aquaculture for Aboriginal economic development. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Reid, Andrea (The University of British Columbia). “Two-Eyed Seeing”: An Indigenous framework to transform fisheries research and management. Indigenous fisheries - Concurrent Session 3 – Thursday, 23 September.

Santos Lobato Martins, Mariana (Oceanographic Institute, University Of São Paulo). Traditional fishing territories encompassed by a mosaic of coastal protected areas: the case of Barra do Una community in the Brazilian Atlantic forest. Indigenous fisheries (On-demand).

Silvano, Renato (Universidade Federal Rio Grande do Sul). ‘Putting knowledge on the map’: fishers’ mapping indicates potential hotspots for fish reproduction, migration and fisheries in two tropical rivers. Indigenous fisheries (On-demand).

Slabb, Kyle (Tweed Byron Local Aboriginal Land Council). Forging our seat at the table in fisheries management. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Stacey, Natasha (Research Institute for The Environment and Livelihoods, Charles Darwin University). Realising the livelihood benefits of a culturally aligned Indigenous commercial fishing enterprise in the Northern Territory, Australia. Indigenous fisheries - Concurrent Session 3 – Friday, 24 September.

Tallman, Ross (Fisheries and Oceans Canada). Merging quantitative scientific and indigenous traditional ecological knowledge in the assessment of small data limited community based fisheries. Indigenous fisheries (On-demand).

Villamil, Carlos (GIZ Colombia). Agreements for sustainable use and exploitation between ethnic communities and authorities in Colombia’s Caribbean marine protected areas through good fishing practices within the framework of Integrated Coastal Zone Management (Poster presentation).

Management strategy evaluation and harvest strategies

A'mar, Teresa (NIWA). A comparison of the Management Strategy Evaluation approach and the “short-cut” approach for Aotearoa New Zealand scampi stocks. Management strategy evaluation and harvest strategies - Concurrent Session 1 – Friday, 24 September.

Blamey, Laura (CSIRO). Robust revision of the redleg banana prawn (*Penaeus indicus*) harvest strategy under increasing environmental uncertainty. Management strategy evaluation and harvest strategies - Concurrent Session 1 – Friday, 24 September.

Butterworth, Doug (University of Cape Town). Management Procedures - why has implementation been so slow? Management strategy evaluation and harvest strategies - Concurrent Session 4 – Thursday, 23 September.

Coates, Julia (California Department of Fish & Wildlife). Incorporating management strategy evaluation in California's state-managed fisheries: challenges faced, lessons learned, and prospects for the future. Management strategy evaluation and harvest strategies (On-demand).

de Moor, Carryn (University of Cape Town). Thirty years on: Is MSE worth it? Learning from the South African story. Management strategy evaluation and harvest strategies (On-demand).

De Oliveira, Jose (CEFAS). Conducting Management Strategy Evaluations in Europe. Management strategy evaluation and harvest strategies - Concurrent Session 4 – Thursday, 23 September.

Doering, Kathryn (Caelum Research Corporation). Management strategy evaluation made operational with Stock Synthesis. Management strategy evaluation and harvest strategies (On-demand).

Hillary, Richard (CSIRO). A revised rebuilding strategy for Southern bluefin tuna: integrating fishery, gene tagging, and close-kin mark-recapture data into a hybrid empirical and model-based Management Procedure. Management strategy evaluation and harvest strategies - Concurrent Session 4 – Thursday, 23 September.

Linnane, Adrian (SARDI). 25 years of quota management in a spiny lobster fishery: lessons learned from a harvest strategy perspective. Management strategy evaluation and harvest strategies - Concurrent Session 1 – Friday, 24 September.

Little, Rich (CSIRO). Development and evaluation of a multi-species harvest strategy in the Australian Southern and Eastern Scalefish and Shark Fishery. Management strategy evaluation and harvest strategies - Concurrent Session 1 – Friday, 24 September.

Mazur, Mackenzie (Gulf of Maine Research Institute). Using Management Strategy Evaluation to Understand the Effects of Climate Change and Stock Assessment Misspecifications on Gulf of Maine Cod. Management strategy evaluation and harvest strategies (On-demand).

McGarvey, Richard (SARDI). Fishery quota setting made easier. Management strategy evaluation and harvest strategies - Concurrent Session 1 – Friday, 24 September.

Peterson, Cassidy (Southeast Fisheries Science Center, NOAA Fisheries). Management strategy evaluation of the internationally exploited coastal sandbar shark within the United States. Management strategy evaluation and harvest strategies (On-demand).

Punt, Andre (University of Washington). Management Strategy Evaluation –what is next? Management strategy evaluation and harvest strategies - Concurrent Session 4 – Thursday, 23 September.

Tengvall, Jessica (University of Bergen). How natural mortality shapes fisheries reference points: inference from an age-structured population model. Management strategy evaluation and harvest strategies (On-demand).

Tommasi, Desiree (UCSC Institute of Marine Sciences, NOAA SWFSC). Deriving climate informed, management relevant port-level economic performance metrics for a management strategy evaluation of North Pacific albacore tuna. Management strategy evaluation and harvest strategies (On-demand).

Monitoring and management of freshwater dependent fish and fisheries

Bailey, Michael (U.S.Fish and Wildlife Service). Measuring effectiveness in restoration fisheries – Part I: Habitat restoration in a complex world with American Shad (*Alosa sapidissima*) as a model.

Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 3 – Tuesday, 21 September.

Bice, Christopher (SARDI). Connectivity and migration of a recreationally important riverine fish in hydrologically distinct regions of its range. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Cheshire, Katherine (Regional NSW DPI Fisheries). Fish functional guilds for water management strategies: can grouping species enhance water efficiency planning? Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Cooke, Steven (Carleton University). What can systematic reviews tell us about the failures of freshwater interventions? A critical yet forward-looking perspective. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 1 – Tuesday, 21 September.

Dassow, Colin (University of Missouri). Experimental demonstration of catch hyperstability from habitat aggregation, not effort sorting, in a recreational fishery. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Elliott, Vittoria (Worldfish). Measuring the impact of fisheries management and conservation actions in a biodiverse and productive inland fishery. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Farzadkhoo, Maryam (University of New South Wales). Attracting juvenile Australian bass and silver perch into Tube Fishway. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 3 – Tuesday, 21 September.

Fredberg, Josh (SARDI). River regulation influences habitat use and movement of Murray cod (*Maccullochella peelii*) in a large, lowland river. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

King, Alison (Australian Society for Fish Biology). Environmental water requirements for fishes in northern Australia: The Daly River, Northern Territory. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 1 – Tuesday, 21 September.

Leahy, Susannah (Queensland Department of Agriculture And Fisheries). Using otolith chronology to quantify the effects of freshwater flow on growth rates of juvenile barramundi and inform water resource development in the Gulf of Carpentaria, Australia. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Little, Stuart (Murray-Darling Basin Authority). Bringing together environmental flows, threat mitigation and habitat restoration in Australia's Murray-Darling Basin. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 3 – Tuesday, 21 September.

Mohammadi Darestani, Mitra (Otago University). Implications of landlocking for genetic diversity and whitebait species. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 1 – Friday, 24 September.

Paukert, Craig (Missouri Coop. Fish/Wildlife Research Unit). Developing a riverine sampling protocol to meet stakeholder needs: a critical first step in monitoring restoration efforts. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Swanepoel, Pieter Johannes (Free State Department Of Agriculture And Rural Development). Biological characteristics of the African sharptooth catfish, *Clarias gariepinus*, in South Africa's largest impoundment. Monitoring and management of freshwater-dependent fish and fisheries (On-demand).

Wilke, Nathan (United States Fish and Wildlife Service). Measuring effectiveness in restoration fisheries – Part II: Overcoming challenges in large scale, multi-species propagation and supplementation programs. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 1 – Tuesday, 21 September.

Ye, Qifeng (SARDI). Flow influence on salt wedge dynamics and black bream (*Acanthopagrus butcheri*) recruitment in the Coorong estuary, Australia. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 2 – Tuesday, 21 September.

Zampatti, Brenton (CSIRO). A local perspective on a global issue: the decline of a mega-fish (Murray cod *Maccullochella peelii*) in the River Murray, Australia. Monitoring and management of freshwater-dependent fish and fisheries - Concurrent Session 1 – Tuesday, 21 September.

Recreational fisheries

Arlinghaus, Robert (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in the Forschungsverbund Berlin e.V.). Five steps for policy reform in recreational fisheries. Recreational fisheries - Concurrent Session 4 – Thursday, 23 September.

Arlinghaus, Robert (Leibniz-Institute of Freshwater Ecology and Inland Fisheries in the Forschungsverbund Berlin e.V.). The battle of natural and recreational fisheries selection creates small and shy fish. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Aston, Charlotte (University of Western Australia). Recreational fishing impacts in an offshore and deep-water marine park: establishing robust benchmarks of fished species using hybrid frequentist model selection and Bayesian inference. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Beckmann, Crystal (SARDI). Understanding how apps can be used as a tool for estimating recreational fishing catch and effort. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Bohaboy, Erin (NOAA Fisheries). A Decision Support Tool to Assess Recreational Harvest Slots, Discard Mortality, and Bycatch Accountability in a Multi-Sector Fishery. Recreational fisheries (On-demand).

Cambra, Eléonore (Centre De Formation Et De Recherche Sur Les Environnements Méditerranéens, UMR 5110, Université de Perpignan Via Domitia). Socio-ecological analysis of drivers of CPUE variation related to recreational fishing strategies in support of Marine Protected Areas management. Recreational fisheries (On-demand).

Chong, Lisa (University of Florida). Spatial considerations can determine net socioecological effects of artificial reefs on recreational fisheries and their management. Recreational fisheries (On-demand).

Desfosses, Cameron (Department of Primary Industries & Regional Development). Supplemented roving survey to quantify spatio-temporal recreational fishing effort in an estuarine Ramsar wetland. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Embke, Holly (University of Wisconsin - Madison). Fishing for Food: Quantifying Recreational Fisheries Harvest in Wisconsin Lakes. Recreational fisheries (On-demand).

Embke, Holly (University of Wisconsin - Madison). Investigating inland recreational fish harvest contributions to food supply in the United States. Recreational fisheries - Concurrent Session 4 – Thursday, 23 September.

Fowler, Ashley (NSW DPI Fisheries). Recreational fishing objectives and their inclusion in harvest strategies. Recreational fisheries - Concurrent Session 4 – Thursday, 23 September.

Haase, Kevin (Thünen Institute for Baltic Sea Fisheries). Modelling angler behaviour using agent-based models to improve recreational fisheries management. Recreational fisheries (On-demand).

Hyder, Kieran (Cefas). Allocating catches between marine recreational and commercial fisheries. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Jeanson, Amanda (Carleton University). Perceived threats to personal wellbeing drive pro-environmental behaviours among recreationists: The case of a recreational fishery in Western Canada. Recreational fisheries - Concurrent Session 4 – Thursday, 23 September.

Jeavons, Toby (Victorian Fisheries Authority). Mandatory and voluntary approaches utilising digital technology and citizen science for better recreational fishery monitoring – GoFishVic and Vic RL Tagging apps. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Kaemingk, Mark (Nebraska Cooperative Fish and Wildlife Research Unit, School of Natural Resources, University Of Nebraska). Valuing recreational fisheries according to waterbody size. Recreational fisheries - Concurrent Session 2 – Thursday, 23 September.

Kramer, David (Victorian Fisheries Authority). Commercial fishers in Victoria's last bay and inlet netting fishery are strengthening social licence by enhancing fishery sustainability and forging a unique partnership with recreational sector. Recreational fisheries - Concurrent Session 2 – Thursday, 23 September.

Lindley, Jade (The University of Western Australia). Optimising compliance outcomes in recreational fisheries. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Lynch, Abigail J. (U.S. Geological Survey, National Climate Adaptation Science Center). The U.S. Inland Creel and Angler Survey Catalog (CreelCat): Development, Applications and Opportunities. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Mendiolar, Manuela (The University of Queensland). Estimating recreational catch. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Miles, Nathan (NSW DPI (Fisheries)). Reeling in fish numbers: Use of hydroacoustic techniques to provide biomass estimates and improve angler engagement in reservoir based fisheries in NSW. Recreational fisheries - Concurrent Session 2 – Thursday, 23 September.

Navarro, Matthew (The University of Western Australia). Incorporating fisher behaviour and social objectives into recreational fisheries management using random utility models. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Newton, Tiffany (Women in Recreational Fishing (WIRF)). Opportunities for Women in Recreational Fishing. Recreational fisheries - Concurrent Session 1 – Thursday, 23 September.

Nyboer, Elizabeth (Carleton University). Global assessment of marine and freshwater recreational fish reveals mismatch in climate change vulnerability and conservation effort. Recreational fisheries - Concurrent Session 3 – Thursday, 23 September.

Paramo, Jorge (Universidad del Magdalena). Marine recreational fishing as alternative for the development of ecological tourism in Magdalena region, Colombian Caribbean. Recreational fisheries (On-demand).

Pope, Kevin (U.S. Geological Survey). Catch and Harvest of Fish by Recreational Anglers in Nebraska: The Value of a Fishing License. Recreational fisheries - Concurrent Session 2 – Thursday, 23 September.

Rogers, Mark (U.S. Geological Survey). Synchrony in angler fishing success across a landscape. Recreational fisheries (On-demand).

Sande, Hege (SLU Aqua, Sweden). Frameless – finding and refining a sampling frame for estimating recreational fisheries. Recreational fisheries (On-demand).

Smallwood, Claire (Department of Primary Industries and Regional Development). Disaggregating statewide recreational fishing surveys to estimate effort and catch at small spatial scales. Recreational fisheries (On-demand).

Tate, Alissa (Department of Primary Industries and Regional Development Western Australia). Validation of species identification between off-site and on-site recreational fishing surveys. Recreational fisheries (On-demand).

Taylor, Stephen (Department of Primary Industries and Regional Development). Integrating survey methods for the ongoing monitoring of a remote, iconic Australian recreational fishery. Recreational fisheries - Concurrent Session 2 – Thursday, 23 September.

Tracy, Erin (University of Arizona). AFS Standard Sampling Online Fisheries Database Version 2: Lessons learned and applied to increase use of a simple and effective comparison tool. Recreational fisheries (On-demand).

Zemeckis, Douglas (Rutgers University). Optimizing Management Measures for Marine Recreational Fisheries in the U.S Mid-Atlantic Region. Recreational fisheries (On-demand).

Resource allocation and co-management

Birkenbach, Anna (University of Delaware). Another Plaice and Time: The Effects of Catch Shares on Targeting and Timing Decisions in the New England Groundfish Fishery. Resource allocation and co-management - Concurrent Session 2 – Tuesday, 21 September.

Calderwood, Julia (Marine Institute). Bridging the gap: Analysing stakeholder perceptions of management in Irish demersal fisheries to determine how successful co-management could be achieved. Resource allocation and co-management - Concurrent Session 1 – Wednesday, 22 September.

Ishihara, Hiroe (The University of Tokyo). Incorporating science to fisheries management system: Key to success from the case study of Wagu Lobster fisheries, Japan. Resource allocation and co-management - Concurrent Session 2 – Tuesday, 21 September.

Jackson, Gary (Department of Primary Industries & Regional Development Western Australia). Stakeholder-Government collaboration in developing cost-effective fishery-independent surveys in rights-based and co-managed fisheries. Resource allocation and co-management - Concurrent Session 1 – Tuesday, 21 September.

Jarrett, Annie (NPF Industry Pty Ltd). Collaborating on Co-management: the Northern Prawn Fishery Industry Experience. Resource allocation and co-management - Concurrent Session 1 – Wednesday, 22 September.

Jeanson, Amanda (Carleton University). Caught in the middle - the story of Canada's wild Pacific steelhead. Resource allocation and co-management - Concurrent Session 4 – Friday, 24 September.

Jones, Annabel (PIRSA). Allocations – friend or foe. Allocation of fisheries resources in South Australia. Resource allocation and co-management - Concurrent Session 1 – Wednesday, 22 September.

León, Rafael (University of Tasmania). Changes in leasing network of lobster quota in response to stock abundance. Resource allocation and co-management - Concurrent Session 1 – Tuesday, 21 September.

Mackinson, Steven (Scottish Pelagic Fishermen's Association). Paving the yellow-brick road to co-management. Resource allocation and co-management - Concurrent Session 1 – Tuesday, 21 September.

McIlgorm, Alistair (University of Wollongong). Australian fishing rights development – assumptions, experiences and the reality. Resource allocation and co-management - Concurrent Session 1 – Wednesday, 22 September.

Rowling, Kevin (Retired). Does giving stakeholders perpetual and tradeable property rights to natural resources always result in sustainable and well managed fisheries? Resource allocation and co-management - Concurrent Session 1 – Tuesday, 21 September.

Shanks, Steve (PIRSA). Providing legislative powers to the commercial fishing industry to set management arrangements. Resource allocation and co-management - Concurrent Session 2 – Tuesday, 21 September.

Smith, David (AFMA). Evolution of participatory processes in the management of Australia's fisheries over the last 30 years: drivers and challenges. Resource allocation and co-management - Concurrent Session 1 – Tuesday, 21 September.

Szynaka, Monika (Centro De Ciências Do Mar Do Algarve). Fishers, tell us what you're working with! . Resource allocation and co-management - Concurrent Session 2 – Tuesday, 21 September.

Small scale fisheries – 'Basket case of benefit basket'

Abernethy, Kirsten (Sea Change Consulting). Can Victorian small-scale fisheries secure their future? Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Friday, 24 September.

Arias Schreiber, Milena (University of Gothenburg). Small-scale fisheries in three Nordic countries: struggles in a sea of developmentalist, environmentalist and scientific discourses. Small scale fisheries – basket case or benefit basket - Concurrent Session 1 – Wednesday, 22 September.

Barclay, Kate (University of Technology Sydney). Can food localism save small scale fisheries in wealthy economies? Obstacles to sourcing local seafood in Australia. Small scale fisheries – basket case or benefit basket (On-demand).

Bresson, Clement (Australian National University). Indigenous peoples, social enterprise and small-scale fisheries - the case of inshore fisheries in Northern Territory, Australia. Small scale fisheries – basket case or benefit basket - Concurrent Session 1 – Wednesday, 22 September.

Delaney, Alyne (Tohoku University). A Sea Change in Japanese Small-scale Coastal Fisheries. Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Friday, 24 September.

Duque, Guillermo (Universidad Nacional De Colombia). Influence of the water level on artisanal fishing production in the Ciénaga Grande de Santa Marta, Colombian Caribbean (Poster presentation).

Klein Lankhorst, Mariëlle (University of Technology Sydney). More to Sea - Portraits of Europe's and Australia's small-scale fishers. Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Friday, 24 September.

Krueck, Nils (Institute for Marine and Antarctic Studies (IMAS), University Of Tasmania). Characterizing fishing activities and development opportunities in small-scale fisheries. Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Friday, 24 September.

Mayfield, Stephen (SARDI). An overview of the abalone fishery of South Australia: history, current status and future direction. Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Tuesday, 21 September.

Nakamura, Julia (University of Strathclyde). Legal reflections on the Small-Scale Fisheries Guidelines: building a global safety net for small-scale fisheries. Small scale fisheries – basket case or benefit basket - Concurrent Session 1 – Wednesday, 22 September.

Obregón, Clara (Murdoch University). Understanding information-sharing behaviour in a crab fishery using social network analysis. Small scale fisheries – basket case or benefit basket - Concurrent Session 3 – Wednesday, 22 September.

Pita, Cristina (Centre for Environmental and Marine Studies (CESAM), University of Aveiro, Portugal/Cesam, University of Aveiro). Small-scale fisheries in Europe: status, challenges and opportunities. Small scale fisheries – basket case or benefit basket - Concurrent Session 1 – Wednesday, 22 September.

Ramirez, Art (ORBCOMM). Integrated Satellite Tracking Technology for Sustainable Artisanal Fisheries. Small scale fisheries – basket case or benefit basket (On-demand).

Smart, Jonathan (SARDI). Informing the structural reform of the South Australian Marine Scalefish Fishery. Small scale fisheries – basket case or benefit basket - Concurrent Session 2 – Friday, 24 September.

Smart, Jonathan (SARDI). Conceptual development of a decision-making framework to determine a tiered management approach for a multi-species fishery. Small scale fisheries – basket case or benefit basket - Concurrent Session 3 – Friday, 24 September.

Stock assessment and modelling

Barber-o'malley, Betsy (INRAE). Projecting shifts for European diadromous species based on climate change scenarios and dispersal dynamics. Stock assessment and modelling (On-demand).

Barceló, Caren (ECS in support of NOAA Fisheries). Projecting the time-scale of initial increase in fishery yield after implementation of marine protected areas. Stock assessment and modelling (On-demand).

Berger, Aaron (National Oceanic and Atmospheric Administration). Incoherent dimensionality in fisheries management: consequences of misaligned stock assessment and ecological boundaries. Stock assessment and modelling (On-demand).

Best, John (University of Washington). An index of abundance combining fishery-independent and -dependent observations allowing for spatially varying catchability. Stock assessment and modelling (On-demand).

Boschetti, Fabio (CCIRO). (Mal)adapting to climate change: a stylized fishery example. Stock assessment and modelling (On-demand).

Bossier, Sieme (DTU Aqua). Integrated ecosystem impacts of climate change and eutrophication on main Baltic fishery resources. Stock assessment and modelling (On-demand).

Botsford, Louis (University of California). Effects of the spectrum of environmental variability on fish population dynamics and fishery management. Stock assessment and modelling (On-demand).

Brodie, Christopher (Liverpool John Moores University). eDNA approach in pelagic fish monitoring: Have Atlantic Blue Fin Tuna returned to British waters? Stock assessment and modelling (On-demand).

Carruthers, Tom (Blue Matter Science). Method Evaluation and Risk Assessment (MERA): an accessible Management Strategy Evaluation tool for improving fisheries management. Stock assessment and modelling (On-demand).

Chaloupka, Milani (Ecological Modelling Services Pty Ltd). Inferring causal impact of policy interventions using Bayesian state-space structural time series modelling of counterfactual predictions. Stock assessment and modelling - Concurrent Session 1 – Thursday, 23 September.

Cope, Jason (Northwest Fisheries Science Center, NOAA Fisheries). Modelling an integrated data-limited to data-rich assessment framework using the Stock Synthesis Data-Limited (SS-DL) tool. Stock assessment and modelling (On-demand).

Correa, Giancarlo M. (Oregon State University). Accounting for spatial and temporal variability in somatic growth improves age composition and stock assessment estimates. Stock assessment and modelling (On-demand).

Cronin-Fine, Lee (University of Washington). Comparing a Numerical Integration Method for Constructing Size-Transition Matrices with Other Construction Methods. Stock assessment and modelling (On-demand).

Curin Osorio, Sandra (UTAS). Accounting for uncertainty in key parameters in fisheries harvest control rules. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Denson, LaTreese (NOAA). Using spatiotemporal models and sea surface temperature at varying spatiotemporal scales to inform species abundance and spatial distribution trends: A King mackerel case study. Stock assessment and modelling (On-demand).

Dichmont, Catherine (Cathy Dichmont Consulting). Stock Assessment Toolbox: Collating stock assessment packages in one place. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Dowling, Natalie (CSIRO Oceans and Atmosphere). The fishery improvement toolbox: are digital tools making management science more accessible? Stock assessment and modelling - Concurrent Session 1 – Thursday, 23 September.

Emery, Timothy (Department of Agriculture, Water and the Environment). Developing a typology of fishing practices and operations within an Australian pelagic longline fishery. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Emery, Timothy (Department of Agriculture, Water and the Environment). Developing a new non-hierarchical clustering framework for defining fishing practices within commercial fisheries. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Fisch, Nicholas (University of Florida). Assessing Alternatives to the Multinomial for Fitting Composition Data within Stock Assessment using a Spatially Explicit Simulation Operating Model. Stock assessment and modelling (On-demand).

Goethel, Daniel (NOAA, Alaska Fisheries Science Center). Where do you think you're going? Accounting for age- and time-varying movement in spatially-explicit tag-integrated stock assessment models. Stock assessment and modelling (On-demand).

Gross, Julie (Virginia Institute of Marine Science). Semiparametric modeling of environmental effects on recruitment. Stock assessment and modelling (On-demand).

Hillary, Richard (CSIRO). Incorporating Close-Kin Mark-Recapture data in stock assessment models: the southern bluefin tuna experience. Stock assessment and modelling - Concurrent Session 3 – Friday, 24 September.

Kenyon, Robert (Csiro Oceans and Atmosphere). Fishery-independent indices of prawn recruitment and adult abundance inform stock assessment in a MSC certified prawn fishery (Poster presentation).

Kuriyama, Peter (NOAA SWFSC). Density-dependent and cohort-specific growth in Pacific sardine (*Sardinops sagax*) estimated through a stock assessment approach. Stock assessment and modelling (On-demand).

Liljestrand, Emily (Michigan State University). How Data Quality Influences Model Accuracy in State Space Stock Assessment Modeling. Stock assessment and modelling (On-demand).

Longo, Catherine (Marine Stewardship Council (MSC)). The fishery improvement toolbox: are digital tools making management science more accessible? Stock assessment and modelling - Concurrent Session 1 – Thursday, 23 September.

Marshall, Tara (University of Aberdeen). Climate change impacts recruitment rates of North Sea and Irish Sea cod by widening the phenological mismatch. Stock assessment and modelling (On-demand).

McGarvey, Richard (SARDI). Don't just weigh 'em, count 'em. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Medeiros Leal, Wendell (IMAR Instituto do Mar). Small-scale fishing in the Azores: Fleet operation regime and catch composition from 1980 to 2018. Stock assessment and modelling (On-demand).

Minte-vera, Carolina (IATTC). Lessons learn from developing a new assessment for yellowfin tuna in the eastern Pacific Ocean. Stock assessment and modelling (On-demand).

Olmos, Maxime (Oregon State University). Mapping a fishery: a fully spatial stock assessment for snow crab in the Bering Sea. Stock assessment and modelling (On-demand).

Ortega, Kelly (University of Cape Town). Exploring the impact of future environmental scenarios on the South African sardine and anchovy fishery, using a model of intermediate complexity for ecosystems. Stock assessment and modelling (On-demand).

Phillips, Genevieve (Australian Antarctic Division). Evaluating growth and estimation of growth parameters in Patagonian toothfish at Heard and McDonald Islands. Stock assessment and modelling Concurrent Session 1 – Friday, 24 September.

Poulet, Camille (French National Institute for Agriculture, Food, and Environment (INRAE)). Exploring the effect of dispersal capacities and reproductive strategies on the structure of American shad populations across its native range: an approach based on a mechanistic species distribution model. Stock assessment and modelling (On-demand).

Punt, Andre (University of Washington). Can Stock Assessment Science Support Ecosystem Based Fisheries Management? Stock assessment and modelling - Concurrent Session 1 – Thursday, 23 September.

Qazi, Imran (Spatial Vision). Digital transformation of commercial fishing. Stock assessment and modelling - Concurrent Session 2 – Friday, 24 September.

Santos, Régis (IMAR Instituto Do Mar). Life-history parameters as possible discriminators of commercial fish and shellfish populations in Azorean waters. Stock assessment and modelling (On-demand).

Siple, Margaret (NOAA Alaska Fisheries Science Center). Ensuring clarity, transparency, and continuity for a web-based app about marine mammal bycatch. Stock assessment and modelling - Concurrent Session 3 – Friday, 24 September.

Smith, James (UCSC/NOAA). Sardine in the California Current: spatially-explicit models exploring impacts of climate change. Stock assessment and modelling (On-demand).

Stawitz, Christine (NOAA/National Marine Fisheries). The Fisheries Integrated Modeling System, a new modular paradigm for fisheries stock assessment software. Stock assessment and modelling (On-demand).

Thomson, Robin (CSIRO). Close kin mark recapture for school shark in southern Australia. Stock assessment and modelling - Concurrent Session 3 – Friday, 24 September.

Thorson, James (Alaska Fisheries Science Center). Predicting recruitment density dependence and intrinsic growth rate for all fishes worldwide using a data-integrated life-history model. Stock assessment and modelling (On-demand).

Townsend, Howard (Noaa/nmfs/ost). Multi-Species Surplus Production Modeling Software: A Data-Limited Approach for Evaluating Species Interactions. Stock assessment and modelling (On-demand).

Vaughan, Nathan (Vaughan Analytics (in support of NOAA SEFSC)). A decision support tool for evaluating management alternatives in the context of stock assessment projections. Stock assessment and modelling (On-demand).

Vincent, Matthew (NOAA). Stock assessment of the largest tuna fishery: skipjack tuna in the western central Pacific Ocean. Stock assessment and modelling (On-demand).

Waterhouse, Lynn (Minnesota Cooperative Fish and Wildlife Research / University of Minnesota). Improving age composition estimates: Evaluating a Bayesian method for estimating ages from spines with vascularized cores. Stock assessment and modelling (On-demand).

Wilberg, Michael (University of Maryland Center for Environmental Science). Spatial population dynamics of eastern oyster in the Chesapeake Bay, Maryland. Stock assessment and modelling (On-demand).

Xu, Haikun (IATTC). Spatiotemporal modeling of length-specific catch and effort data for yellowfin tuna (*Thunnus albacares*) in the eastern Pacific Ocean. Stock assessment and modelling (On-demand).

Ziegler, Philippe (Australian Antarctic Division). Spatial explorations of the stock assessment model for Patagonian toothfish (*Dissostichus eleginoides*) at Heard Island and McDonald Islands in the Southern Indian Ocean. Stock assessment and modelling - Concurrent Session 3 – Friday, 24 September.

Sustainable Development Goals

Elliott, Vittoria (Worldfish). Insertion of inland fish through operationalization of the SDGs. Sustainable Development Goals (On-demand).

Harrison, Ian (Conservation International). Inland Fisheries in the Post-2020 Global Biodiversity Framework. Sustainable Development Goals (On-demand).

Ledesma, Anne Brigitte (University of The Philippines Visayas). Chemotactic behavior of hatchery-reared blue swimming crab *Portunus pelagicus* larvae (Poster presentation).

Lynch, Abigail J. (U.S. Geological Survey, National Climate Adaptation Science Center). Inland fish and fisheries integral to achieving the Sustainable Development Goals. Sustainable Development Goals (On-demand).

Macfarlane, Alastair (Ministry for Primary Industries). Meeting Sustainable Development Goal Target 14.6 – Agreement in the World Trade Organization to prohibit harmful fisheries subsidies. Sustainable Development Goals - Concurrent Session 1 – Tuesday, 21 September.

McNeill, Asha (Minderoo Foundation). Drawing a global roadmap to sustainable fisheries. Sustainable Development Goals - Concurrent Session 1 – Tuesday, 21 September.

Nurani, Tri Wiji (IPB University). Sustainable Tuna Fisheries Management Model in the Indian Ocean (FMA 573). Sustainable Development Goals - Concurrent Session 4 – Friday, 24 September.

Phang, Sui (The Nature Conservancy). 'Circular governance' for holistic freshwater use: using the SDGs to integrate policy, ecosystems and ecosystem services. Sustainable Development Goals - Concurrent Session 1 – Tuesday, 21 September.

Robertson, Ashley (George Mason University). A Quantitative Comparison of Public Investment and Economic Impact in Inland and Marine Fisheries in the coastal and Great Lakes U.S. Sustainable Development Goals (On-demand).

Tickler, David (Minderoo Foundation). Governing national waters: steering fisheries towards achieving SDG 14.4. Sustainable Development Goals - Concurrent Session 4 – Friday, 24 September.

Tuda, Paul (Leibniz Centre For Tropical Marine Research). Racing Against Time: Progress and challenges in Reporting the Sustainable Development Goal Indicator 14.4.1 in East Africa. Sustainable Development Goals - Concurrent Session 4 – Friday, 24 September.

Walker, Jessica (Fauna & Flora International). What is “destructive fishing”? Using consensus-based expert review to define a key fisheries and conservation policy term. Sustainable Development Goals (On-demand).

Sustainable fisheries – recovering and overfished stocks

Baldigo, Barry (U.S. Geological Survey). A Clean Air Act success story: Evidence of biological recovery in previously acidified lakes and streams of New York State, USA. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Wednesday, 22 September.

Basheer, V S (ICAR-National Bureau of Fish Genetic Resources). Assisted captive breeding make a way for recovery of a critically endangered species *Hemibagrus punctatus* (Jerdon, 1849) endemic to River Cauvery, in the Western Ghats. Sustainable fisheries – recovering and overfished stocks (On-demand).

Boenish, Robert (Environmental Defense Fund). The global rise of crustacean fisheries. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Tuesday, 22 September.

Ebner, Brendan (Tropwater, James Cook University). How do you do? - Context and frequency for grunners flipping objects to access benthic prey. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Elsdon, Travis (Chevron). Role of oil and gas structures in supporting fish and fisheries: are these 'skyscrapers of the sea' playing a habitat enhancement role. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Faruque, Hasan (Yokohama National University). Vulnerability assessment for the Hilsa (*Tenualosa ilisha*) and its data-limited bycatch species from Hilsa gillnet fishing of Bangladesh. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Wednesday, 22 September.

Ferguson, Gregory (SARDI). From boom to bust and back again – recovery of the South Australian surf clam (*Donax deltoides*) fishery and the contribution from collaborative, fishery-independent, spatially explicit monitoring. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 2 – Wednesday, 22 September.

Ferretto, Giulia (UNSW). Understanding the factors that promote healthy ecosystem functions of the endangered seagrass *Posidonia australis*. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Wednesday, 22 September.

Friedman, Kim (Food and Agriculture Organization of the United Nations). Characterization of extinction concern for life below water as compared to life on land. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Tuesday, 21 September.

Hazen, Elliott (NOAA Fisheries). Assessing bycatch in U.S. fisheries to aid management prioritization. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Tuesday, 21 September.

Henríquez, Luis (Instituto De Fomento Pesquero). Linking small-scale aquaculture of ecosystem engineers to both habitat restoration and benthic fisheries: a case of study in southern Chile. Sustainable fisheries – recovering and overfished stocks (On-demand).

Hunt, Taylor (Victorian Fisheries Authority). The partnership approach road to recovery of an Australian threatened native freshwater fish species - Macquarie perch. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Tuesday, 22 September.

Jones, Ieuan (University of Aberdeen). Disentangling the effects of fishing and environmental change on fish species richness in the North Sea. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Tuesday, 21 September.

Lees, Samantha (Marine Stewardship Council (MSC)). Bycatch, endangered species interactions, and habitat impacts improvements in MSC certified fisheries. Sustainable fisheries – recovering and overfished stocks (On-demand).

Marsden, Tim (AFPS). Fish passage through a cone fishway on the Stung Pusat river a major tributary of the Tonlé Sap lake, Cambodia. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Tuesday, 21 September.

P R, Divya (ICAR National Bureau of Fish Genetic Resources). An integrative approach to assess the fish and shellfish diversity in the Ramsar region of Kerala State, India (Poster presentation).

Paramo, Jorge (Universidad del Magdalena). The recovery of a poor-data fishery without control: the case of shallow water shrimp fishery in the Colombian Caribbean. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 2 – Wednesday, 22 September.

Paramo, Jorge (Universidad del Magdalena). Conservation Strategies for Potential New Deep-Sea Crustacean Fisheries in the Caribbean under an Ecosystem Approach. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 4 – Wednesday, 22 September.

Russell, Angela (University of Adelaide). Determining spatial distribution and migration to support management of an exploited species in NSW: an otolith chemistry study. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Sanjeev Kumar, Murali (ICAR-National Bureau of Fish Genetic Resources). ICAR-NBFGR, National Repository of Fish cell lines: In the service of aquaculture research and development. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 2 – Wednesday, 22 September.

Simonin, Paul (Cornell University). Hurricanes, fishing, and Queen Conch sustainability in the Turks and Caicos Islands. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Wednesday, 22 September.

Smith, Kimberley (Department of Primary Industries and Regional Development). Demographic changes in western Australian salmon after a major reduction in exploitation. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Smith, David (AFMA). What could Australia's total sustainable wild fisheries production be? Sustainable fisheries – recovering and overfished stocks - Concurrent Session 2 – Wednesday, 22 September.

Smith, Jennifer (University of Tasmania). Can we trust Southern Rock Lobsters to control range-expanding, habitat-destroying Longspined Sea Urchins in Tasmania? Sustainable fisheries – recovering and overfished stocks - Concurrent Session 3 – Wednesday, 22 September.

Vigo Fernandez, Maria (Institute of Marine Sciences). Evaluating the Recovery of Overexploited Demersal Resources in a No-Take Marine Reserve with Non-Invasive Remotely Operated Vehicles. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Witte, Andrew (Rhodes University). Perlemoen abalone ranching and stock enhancement: what is the status? Sustainable fisheries – recovering and overfished stocks (On-demand).

Zhou, Shijie (CSIRO). Sustainable fisheries with sustainable biodiversity. Sustainable fisheries – recovering and overfished stocks - Concurrent Session 1 – Wednesday, 22 September.

Theme 2 – fish and aquaculture ecosystems (biodiversity, conservation, ecosystem function, integrated management)

Anguillid eels

Amilhat, Elsa (Université De Perpignan). *Anguillicola crassus* infection in different ecosystems of the South West European area. (Poster presentation).

Bodnar, Wanda (Thames Estuary Partnership). An integrated GIS-based approach to improve river connectivity within the Greater Thames Estuary? Anguillid eels (On-demand).

De Noia, Michele (University of Glasgow). In-situ non-lethal rapid test to accurately detect the presence of the nematode parasite, *Anguillicoloides crassus*, in European eel, *Anguilla anguilla*. Anguillid eels (On-demand).

Dekker, Willem (SLU-Aqua & Sustainable Eel Group). From pest to protected – an account of the development of protection policies for the European eel. Anguillid eels - Concurrent Session 3 – Thursday, 23 September.

Diaz, Estibaliz (FUNDACION AZTI- G48939508). First international assessment of silver eel biomass. Anguillid eels (On-demand).

Fachri, Faridz Rizal (WWF Indonesia). A Risk Based Approach for Assessing the Status of Tropical Glass Eel Fishery in The Southern Part of Western Java, Indonesia. Anguillid eels (On-demand).

Hanzen, Céline (University of Kwazulu-Natal). Slippery customers for conservation: diversity, distribution and spatial ecology of freshwater eels (*Anguilla* spp.) in South Africa. Anguillid eels - Concurrent Session 3 – Thursday, 23 September.

Hoyle, Simon (NIWA). Spatiotemporal models of longfin eel populations in New Zealand: working towards estimates of long-term trends in spawning escapement. Anguillid eels (On-demand).

Ikedife, David (Hydro Tasmania). Development of downstream passage options for short-finned eels; the Trevallyn dam downstream eel bypass. Anguillid eels - Concurrent Session 3 – Thursday, 23 September.

Koster, Wayne (Arthur Rylah Institute for Environmental Research). Tracking Australian eels to crack the mystery of their oceanic migration. Anguillid eels - Concurrent Session 3 – Thursday, 23 September.

Kwak, Tom (US Geological Survey, NC State University). Ecology and Conservation of the American Eel in the Caribbean Region. Anguillid eels (On-demand).

Potaka, Ben (Te Mana o Ngā Tuna). Te Mana o Ngā Tuna – enhancing tuna through an indigenous world view that prioritises the aspirations of the environment and our tuna. Anguillid eels - Concurrent Session 3 – Thursday, 23 September.

Sugeha, Hagi Yulia (Indonesian Institute of Sciences (LIPI)). Species composition and seasonal abundance of the tropical glass eels genus *Anguilla* in the Pami Estuary, Western Papua Island, Indonesia. Anguillid eels (On-demand).

Van Wichelen, Jeroen (Research Institute for Nature and Forest (INBO)). A small opening for man, a big step forward for European glass eel migration. Anguillid eels (On-demand).

Watanabe, Shun (Kindai University). Spawning migration behavior of *Anguilla celebesensis*. Anguillid eels (On-demand).

Zaccaroni, Annalisa (University of Bologna). Silvering through biometrics: reproductive potential of different populations of European eel (*Anguilla anguilla*) from Northern Adriatic Sea, Italy. Anguillid eels (On-demand).

Biology and ecology

Aquino, Jon Irish Legaspi (College of Public Health, Medical, and Veterinary Sciences, James Cook University). Intensification of the Redclaw (*Cherax quadricarinatus*) Industry: The Importance of Sperm Quality and Male Fertility to Productivity. Biology and ecology (On-demand).

Ara, Motia (University of Otago). Morphological and genetic differences between landlocked and migratory common smelt populations on Chatham Island. Biology and ecology - Concurrent Session 3 – Thursday, 23 September.

Arkhipkin, Alexander (Fisheries Department, Falkland Islands). ‘Achilles heel’ within the life cycle: how the high seas fishery contributes to over-exploitation of abundant pelagic squid resources. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Baker, Krista (Fisheries and Oceans Canada). The difficulties of assessing Northern Short-finned Squid off Newfoundland and Labrador, Canada and ideas for moving forward. Biology and ecology (On-demand).

Bangura, Paul (University of Helsinki). Investigating the link between *vglI3* genotype and aggressive behaviour in juvenile Atlantic salmon (*Salmo salar*). Biology and ecology (On-demand).

Basheer, V S (ICAR-National Bureau of Fish Genetic Resources). Breeding culture of indigenous ornamental barb of the Western Ghats for conservation and trade. Biology and ecology (On-demand).

Berg, Florian (Institute of Marine Research). Dynamics of young herring (*Clupea harengus*) and sprat (*Sprattus sprattus*) populations along the coastal Skagerrak margins of the North Sea. Biology and ecology (On-demand).

Berg, Florian (Institute of Marine Research). Early life growth is affecting timing of spawning in the semelparous Barents Sea capelin (*Mallotus villosus*). Biology and ecology (On-demand).

Bohaboy, Erin (NOAA Fisheries). An Assessment of Sampling Strategies for Estimating Fish Growth from Fishery-dependent Biological Samples. Biology and ecology - Concurrent Session 3 – Thursday, 23 September.

Caballero-Huertas, Marta (University of Girona). A holistic view of emerging stressors in European sardine's condition and health status. Biology and ecology (On-demand).

Chan, Zong-han (National Taiwan University). Interactive effects of allometric energy and temperature on larval growth rates for two subtropical reef fishes. Biology and ecology (On-demand).

Chemshirova, Irina (Falkland Islands Fisheries Department). Temperature effects on size, maturity, and abundance of the squid *Illex argentinus* (Cephalopoda, Ommastrephidae) on the Patagonian Shelf. Biology and ecology (On-demand).

Chiang, Chun-i (National Taiwan Ocean University). Seasonal movement patterns of the bigfin reef squid *Sepioteuthis lessoniana* predicted using statolith $\delta^{18}\text{O}$ values. Biology and ecology (On-demand).

Day, Ryan (University of Tasmania). The impact of exposure to a seismic survey on juvenile and puerulus Southern Rock Lobster *Jasus edwardsii* (Decapoda: Palinuridae). Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Day, Jeremy (UON/UOW). Dietary analysis and mesocosm feeding trials confirm the Eastern Rock Lobster, *Sagmariasus verreauxi* as a generalist predator which can avoid ingesting urchin spines during feeding.. Biology and ecology - Concurrent Session 3 – Thursday, 23 September.

Dorant, Yann (University Laval). Development and application of advanced genomic tools to the lobster fishery in Canada. Biology and ecology (On-demand).

Dos Anjos, Marcelo Rodrigues (Federal University of Amazonas/universidade Federal Do Amazonas - Ufam). The effect of environmental gradients over the fish assemblages in Lower Roosevelt River Sub-basin, Amazon Southwest, Brazil. (Poster presentation).

Durante, Erica (University of South Australia). Growth and age of octopus in Australasia. Biology and ecology - Concurrent Session 3 – Thursday, 23 September.

Graham, Caroline (North Pacific Anadromous Fish Commission). Effective multi-jurisdictional ocean science collaboration in a rapidly changing world through the International Year of the Salmon initiative. Biology and ecology (On-demand).

Grammer, Gretchen (SARDI). Broad-scale egg surveys help to refine stock structures of small pelagic fishes off south-eastern Australia. Biology and ecology - Concurrent Session 3 – Tuesday, 21 September.

Hall, Karina (NSW Department of Primary Industries). Stock status assessments of octopuses harvested by commercial fisheries in eastern Australia. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Hanamseth, Roshan (UNSW). Environmental factors influencing variation in Blue Swimmer Crab in south eastern Australia. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Hartog-Burnett, Kynan (James Cook University). Ecology of reef based clupeiform affects stock structure. Biology and ecology - Concurrent Session 4 – Friday, 24 September.

Hewitt, Daniel (University of New South Wales). What makes a Giant Mud Crab run? Biology and ecology - Concurrent Session 2 – Thursday, 23 September.

Hua, Qiaz (University of Adelaide). Phylogeographic and morphometric analyses of Australian octopuses. (Poster presentation).

Hua, Qiaz (University of Adelaide). Advancing techniques in proteomics to understand species response to environmental change: a case study with octopus. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Kim, Hee-Jin (Nagasaki University). Effects of light wavelength and intensity on larval settlement in the Pacific oyster *Crassostrea gigas*. Biology and ecology (On-demand).

Kingsford, Michael (James Cook University). Coral reef based clupeids grow fast and die young. Biology and ecology - Concurrent Session 4 – Friday, 24 September.

Koefoed, Inigo (Murdoch University). Variation in the catchability of penaeid prawns (shrimps) in sub-tropical embayments. Biology and ecology - Concurrent Session 2 - Thursday.

Kolbusz, Jessica (University of Western Australia). Changes in *Panulirus cygnus* settlement along Western Australia using a long time series. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Lloret-Lloret, Elena (Institut de Ciències del Mar (ICM-CSIC)). Small pelagic fish fitness relates to local environmental conditions and trophic variables. Biology and ecology (On-demand).

Mayfield, Stephen (SARDI). Diving into fisher experience: Do new entrants and fleet turnover depress catch rates in abalone (*Haliotis laevis* and *H. rubra*) fisheries. Biology and ecology - Concurrent Session 3 – Thursday, 23 September.

Moustahfid, Hassan (NOAA). Ecological-Fishery Forecasting of Squid Stock Dynamics under Climate Variability and Change: Review, Challenges, and Recommendations. Biology and ecology (On-demand).

Nesa, Nur Un (James Cook University). Developing biomarkers for fertility in female redclaw crayfish to boost commercial production. Biology and ecology - Concurrent Session 1 – Thursday, 23 September.

Nilsen, Cecilie Iden (University of Bergen). Acoustic telemetry reveals differences in migrational patterns of adult wild and hatchery salmon. Biology and ecology (On-demand).

O'Hare, Jessica (Macquarie University). Sydney rock oyster genomics: stock structure, disease resistance and selective breeding. Biology and ecology - Concurrent Session 4 – Friday, 24 September.

Papatheodoulou, Magdalene (University of Glasgow). The effects of stress on adult Atlantic salmon prior to spawning on the viability of their offspring. Biology and ecology (On-demand).

Pierce, Graham (Instituto De Investigaciones Marinas (CSIC)). Long-term abundance trends in European cephalopods. Biology and ecology (On-demand).

Randall, Jessica (Memorial University of Newfoundland). Forage fish as a predator: summer and autumn diet of Atlantic herring in Trinity Bay, Newfoundland. Biology and ecology (On-demand).

Saul, Steven (Arizona State University). Evaluating the status of Indonesian deepwater snapper and grouper fishery stocks using a model ensemble approach. Biology and ecology (On-demand).

Sedanza, Mary Grace (Nagasaki University). Partial purification of a settlement inducing conspecific cue in adult shells of Pacific Oyster *Crassostrea gigas*. Biology and ecology (On-demand).

Sheikh, Maryam (University of Sindh, Jamshoro). Effect of Water Flow on the Morphological Characters of Ichthyofauna at the Indus River Downstream. Biology and ecology (On-demand).

Surma, Szymon (University of Alaska Fairbanks). Norwegian spring-spawning herring: a key forage fish. Biology and ecology (On-demand).

Taiwo, Iyabode (Federal University of Agriculture). Sex Reversal, Growth Performance and Haematological Parameters of Ecotype *Cichlid Tilapia* 'Wesafu' using *Carica papaya* and *Telfairia occidentalis* Seeds. Biology and ecology (On-demand).

Taiwo, Iyabode (Federal University of Agriculture). Sex Reversal, Growth Performance and Haematological Parameters of *Oreochromis niloticus* using *Carica papaya* and *Telfairia occidentalis* Seeds. Biology and ecology (On-demand).

Tuffley, Emma-Jade (The University of Western Australia). Not putting all your eggs in one basket: catchability is affected by the reproductive cycle in female western rock lobsters. Biology and ecology - Concurrent Session 2 – Thursday, 23 September.

Tuzan, Audrey (University Malaysia Sabah). Spawning cycle of wild marble goby *Oxyeleotrus marmorata* from Likas Bay, Sabah, Malaysia. Biology and ecology (On-demand).

Watson, Maggie (Charles Sturt University). Stop stressing me out! Measuring stress and health in the Murray crayfish. Biology and ecology - Concurrent Session 2 – Thursday, 23 September.

White, Lydia (University of New Brunswick). Can we use American lobster settlement density to predict future fishery recruitment in Atlantic Canada? Biology and ecology - Concurrent Session 2 – Thursday, 23 September.

Willse, Nathaniel (University of Maine). An assessment of vertical line use in the Gulf of Maine region American lobster fishery and resulting conservation benefits for the endangered North Atlantic right whale. Biology and ecology (On-demand).

Yang, Jian (Freshwater Fisheries Research Center, Chinese Academy of Fishery Sciences). Multi element/stable Isotope and geometric morphometric profiles of Chinese mitten crab *Eriocheir sinensis* from different geographical origins. Biology and ecology (On-demand).

By-catch, habitat and depredation

Adao, Ana (University of Strathclyde). Estimating quantities of discards – a case study of demersal fish bycatch from the Firth of Clyde prawn fishery (West of Scotland). By-catch, habitat and depredation (On-demand).

Barkai, Amos (OLSPS). A novel, spatially based, real-time software solution for the avoidance of “choke” bycatch species. By-catch, habitat and depredation - Concurrent Session 3 – Wednesday, 22 September.

Barnes, Tom (NSW DPI). Characterising seabird vessel attendance and interactions associated with demersal ocean finfish trawling. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Boussarie, Germain (MNHN). Survival of discarded invertebrates from bottom trawling fisheries in the Bay of Biscay. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Camilieri-Asch, Victoria (Queensland University of Technology). An integrative approach to understand and manage negative interactions between Galapagos sharks and charter fishers at Lord Howe Island (Poster presentation).

Carmody, Harrison (BMT Commercial Australia). Shark depredation in a commercial trolling fishery in sub-tropical Australia. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Carrington, Victoria (Victoria University of Wellington). Assessing the impact of fisheries bycatch on the southern lanternshark, *Etmopterus granulosus*, an abundant deep-sea shark. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Cleeland, Jaimie (Australian Antarctic Division). Combined risk and quantitative assessment approach to Southern Ocean fisheries bycatch: Deep water skates (*Bathyraja* spp.) in the Patagonian toothfish fishery as a case study. By-catch, habitat and depredation - Concurrent Session 3 – Wednesday, 22 September.

Coulson, Peter (Department of Primary Industries And Regional Development). Effectiveness of deterrents in reducing shark depredation with recreational line fishing. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Deng, Roy (CSIRO). Standardizing catch rates for rare black tiger prawns in the NPF. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Dennis, Joshua (Flinders University). Assessing the effects of non-lethal consumptive activities on a non-target species. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

Drymon, Marcus (Mississippi State University and Mississippi-alabama Sea Grant). Depredation in the US Gulf of Mexico: previous work, current projects and next steps. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Earl, Jason (SARDI). Assessing the effectiveness of underwater crackers for reducing the impacts of fur seals on South Australia's Lakes and Coorong Fishery. By-catch, habitat and depredation - Concurrent Session 3 – Wednesday, 22 September.

Evans, Scott (DPIRD, WA). Quantifying demersal trawl footprints for improved reporting of fishery and seabed interactions; a Western Australian third-party certification case study. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

Fauconnet, Laurence (IMAR / University of Azores). Is it possible to avoid deep-water sharks in the Azores hook-and-line fisheries? By-catch, habitat and depredation - Concurrent Session 2 – Thursday, 23 September.

Fennell, Hannah (Heriot Watt University). A systematic review quantifying the global effects of static gear: comparing the environmental impact of mobile and static gear on benthic habitats and wildlife (Poster presentation).

Fennell, Hannah (Heriot Watt University). Understanding and removing the barriers hindering the uptake of ghost-fishing mitigating gear technology: a fisher choice experiment. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Fielding, Joshua (Australian Fisheries Management Authority). Modern tools for an old challenge - The evolution of seabird management in Australia's Longline Fisheries. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

Gibson, William (Fisheries New Zealand). Increasing Coverage in Inshore Fisheries, not as Simple as Cameras on Boats. By-catch, habitat and depredation - Concurrent Session 2 – Friday, 24 September.

Gilman, Eric (Pelagic Ecosystems Research Group). Transitioning from piecemeal to integrated fisheries bycatch management to account for cross-taxa conflicts. By-catch, habitat and depredation Concurrent Session 1 – Wednesday, 22 September.

Hoel, Kristin (James Cook University). The social dimensions of shark depredation on Queensland fisheries. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Jabado, Rima (Elasmo Project). Minimizing bycatch of seabirds and sea turtles in West African industrial fisheries. By-catch, habitat and depredation (On-demand).

Jones, Colin (International Pacific Halibut Commission). Impact of depredation on the International Pacific Halibut Commission fishery-independent setline survey. By-catch, habitat and depredation - Concurrent Session 2 – Friday, 24 September.

Lear, Karissa (Murdoch University, Harry Butler Institute). Post-release mortality and physiological stress response of large coastal sharks in a commercial longline fishery. By-catch, habitat and depredation - Concurrent Session 4 – Wednesday, 22 September.

Macdonald, Paul (Scottish Fishermen's Organisation). The development and trial of a digital by-catch avoidance tool in the west of Scotland. By-catch, habitat and depredation - Concurrent Session 3 – Wednesday, 22 September.

Marshall, Tara (University of Aberdeen). Skipper's experiences using a digital bycatch avoidance tool on the west of Scotland. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

McConnaughey, Bob (NOAA Alaska Fisheries Science Center). Choosing best practices for managing impacts of bottom trawling on seabed habitats and biota. By-catch, habitat and depredation - Concurrent Session 2 – Friday, 24 September.

Mitchell, Jonathan (Queensland Government, Department of Agriculture and Fisheries). A global perspective on shark depredation: future research priorities and lessons learnt from research in Western Australian fisheries. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

Nakiyende, Herbert (NARO-NaFIRRI). Can light fishing co-exist in the Lake Albert multi-species fisheries?. By-catch, habitat and depredation - Concurrent Session 2 – Wednesday, 22 September.

Noell, Craig (SARDI). Quantifying the footprint of an Australian penaeid-trawl fishery to support ecological sustainability and eco-certification requirements. By-catch, habitat and depredation Concurrent Session 2 – Wednesday, 22 September.

Roberson, Leslie (University of Queensland). Not all boats are equal: Understanding variations in catch and bycatch among individual operators to improve environmental performance of fisheries. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Scales, Kylie (University of The Sunshine Coast). Fisheries bycatch risk is intensified in Lagrangian coherent structures: new insight from a high-resolution, data-assimilative Regional Ocean Modeling System. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Verutes, Gregory (University of Santiago De Compostela). Using GIS and stakeholder involvement to innovate marine mammal by-catch risk assessment in data-limited fisheries. By-catch, habitat and depredation - Concurrent Session 1 – Wednesday, 22 September.

Wong, Darren (Deakin University). Age, growth and maturity of Southern Ocean skates (*Bathyraja* spp.) from the Kerguelen Plateau. By-catch, habitat and depredation - Concurrent Session 3 – Thursday, 23 September.

Climate Change

Arnold, Sarah (University of Manitoba). Using Inuit knowledge to explore Arctic Charr migratory habitat in Nunavut. Climate change (On-demand).

Beckmann, Crystal (SARDI). ENSO driven fluctuations in a small-scale South Australian prawn trawl fishery . Climate change - Concurrent Session 2 – Thursday, 23 September.

Bolin, Jessica (University of The Sunshine Coast). Forecasting swordfish quality in a climate-change hotspot: a tool for dynamic industry adaptation. Climate change - Concurrent Session 2 – Thursday, 23 September.

Bonar, Scott (University of Arizona). Statement of World Aquatic Scientific Societies on the Need to Take Urgent Action against Human-Caused Climate Change, Based on Scientific Evidence. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Brodie, Stephanie (University of California Santa Cruz). Exploring timescales of predictability in species distributions. Climate change (On-demand).

Cathro, Lou (Australian Fisheries Management Authority). Industry participation in environmental data collection to adapt to the impacts of climate change on fisheries: Is it possible? Climate change - Concurrent Session 3 – Thursday, 23 September.

Chust, Guillem (AZTI - Marine Research Division). Null models for attribution analysis of fish distribution shifts to climate change. Climate change (On-demand).

Cote, David (Fisheries and Oceans Canada). Using movement, diet and genetic analysis to understand Arctic Charr responses to ecosystem change. Climate change - Concurrent Session 4 – Friday, 24 September.

Crook, David (La Trobe University). Environmental drivers of recruitment in a tropical estuarine fishery: monsoonal effects and vulnerability to water resource development. Climate change - Concurrent Session 1 – Thursday, 23 September.

Cummins, Gabrielle (UWA). Ocean Accounts; their use, advantages, disadvantages and real-world application. Climate change - Concurrent Session 3 – Wednesday, 22 September.

Darnaude, Audrey (CNRS (MARBEC, Montpellier)). Advancing concepts and methods in marine connectivity research to strengthen resource management frameworks: the SEA-UNICORN COST Action.. Climate change - Concurrent Session 4 – Friday, 24 September.

Elliott, Vittoria (Worldfish). Impact of climate change on the Cambodian inland fishery – does the future look bleak?. Climate change - Concurrent Session 2 – Thursday, 23 September.

Erauskin, Maite (FUNDACION AZTI). The influence of climate change and fishing pressure in global top predator abundance and body size in the future. Climate change (On-demand).

Fabrizio, Mary (Virginia Institute of Marine Science). The extent of seasonally suitable habitats may limit forage fish production in a temperate estuary. Climate change (On-demand).

Ferrari Ramalho, Debora Cristina (Fisheries Ecosystems Laboratory - Oceanographic Institute USP). Governance mapping as a tool to identify paths for fisheries adaptation to climate change: a case-study in the South Brazil Bight. Climate change (On-demand).

Fowler, Anthony (SARDI). Recruitment variability for Snapper in South Australia - complications for population dynamics and fishery management. Climate change - Concurrent Session 3 – Thursday, 23 September.

Fulton, Beth (CSIRO, Centre for Marine Socioecology, University of Tasmania). Adaptation of fisheries management to climate change. Climate change - Concurrent Session 3 – Thursday, 24 September.

Hartog, Jason (CSIRO Oceans and Atmosphere). Application of Species Distribution Models for management of tuna species using real time data and seasonal and decadal forecasts. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Hobday, Alistair (CSIRO). Preparing fisheries for the critical decade. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Holland, Owen (Deakin University). Ocean warming threatens key biotic interactions supporting a commercial fishery in a climate change hotspot. Climate change - Concurrent Session 3 – Thursday, 23 September.

Jessen, Henrik Høyberg (University in Bergen). Evolutionary responses of Atlantic cod (*Gadus morhua*) to concurrent fisheries and climate stressors. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Kleisner, Kristin (Environmental Defense Fund). Identifying pathways to building resilience in marine fisheries with differing capacities and contexts. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Koh, Patricia (University of Melbourne). Fish in hot water: how do warmer and drier conditions impact trout growth and productivity? Climate change - Concurrent Session 4 – Friday, 24 September.

Martinho, Filipe (Centre for Functional Ecology, University of Coimbra). Influence of climate variations on the Portuguese local and coastal fish landings over the last 20 years. Climate change - Concurrent Session 4 – Friday, 24 September.

Matić-Skoko, Sanja (Institute of Oceanography and Fisheries). Inter-annual variability in juvenile densities and year-class strength for certain economically important and exploited fish species in the Adriatic Sea. Climate change (On-demand).

Matis, Paloma (Sydney Institute of Marine Science). Long term monitoring of larval fishes around Australia; trends, highlights and opportunities. Climate change - Concurrent Session 1 – Thursday, 23 September.

Mayne, Benjamin (CSIRO). Non-lethal age estimation of three threatened fish species using DNA methylation: Australian lungfish, Murray cod, and Mary River cod. Climate change - Concurrent Session 2 – Thursday, 23 September.

McLeay, Lachlan (SARDI). Spatial and temporal variations in female size at maturity of a Southern Rock Lobster (*Jasus edwardsii*) population: a likely response to climate change. Climate change - Concurrent Session 1 – Thursday, 23 September.

Mei, Jie (University of Washington, Seattle). Video-based Hierarchical Species Classification for Longline Fishing Monitoring. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Mellin, Camille (University of Adelaide). Direct and indirect impacts of marine heatwaves on a coral reef fishery. Climate change - Concurrent Session 4 – Wednesday, 22 September.

Morato, Telmo (University of The Azores). Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Morrongiello, John (University of Melbourne). Marine extremes: assessing the impact of marine heatwaves on the growth and behaviour of coastal fishes. Climate change - Concurrent Session 3 – Thursday, 23 September.

Moullec, Fabien (Royal Netherlands Institute for Sea Research). Rebuilding and projecting Mediterranean marine resources under climate change. Climate change (On-demand).

Moustahfid, Hassan (NOAA). Advances in Fisheries Science Through Emerging Observing Technologies. Climate change (On-demand).

Muhling, Barbara (University of California - Santa Cruz). Predicting species distributions under increasingly novel environmental conditions: a marine heatwave test-case for the California Current System. Climate change - Concurrent Session 1 – Thursday, 23 September.

Ng, Zhong Wang Clement (University of Melbourne). Drivers of latitudinal variation in snapper growth along the east and west coasts of Australia. Climate change - Concurrent Session 3 – Friday, 24 September.

Nicolle, Patrick (UNSW). Environmental drivers of growth in an estuarine top predator: a 39 year biochronological study. Climate change - Concurrent Session 1 – Friday, 24 September.

Nyboer, Elizabeth (Carleton University). Social-ecological feedbacks in fishing communities adapting to climate change in the Lake Victoria basin of East Africa. Climate change - Concurrent Session 1 – Thursday, 23 September.

Oleynik, Haley (University of Delaware). Long-Term Shifts in the Fish and Macroinvertebrate Community in a North American Estuary. Climate change (On-demand).

Ong, Joyce (Nanyang Technological University). Recruitment dynamics among groundfish covary consistently over four decades at multiple timescales. Climate change (On-demand).

Peterson-Williams, Megan J. (Ocean Conservancy). The heat is on: Gulf of Alaska Pacific cod and climate-ready fisheries. Climate change (On-demand).

Plaganyi, Eva (CSIRO). Extreme science: when variable fisheries become even more variable. Climate change - Concurrent Session 2 – Thursday, 23 September.

Randall, Joanne (Charles Darwin University). Drivers of productivity in blackspotted croaker (*Protonibea diacanthus*) populations of the Northern Territory. Climate change - Concurrent Session 1 – Thursday, 23 September.

Roberts, Brien (Charles Darwin University). Influence of climate on catadromous migration in juvenile barramundi. Climate change - Concurrent Session 1 – Thursday, 23 September.

Rogers, Mark (U.S. Geological Survey). Effects of climate and land-use changes on fish catches across lakes at a global scale. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Sasaki, Minami (University of Adelaide). Modelling the future distribution range and growth performance of coral reef fishes in the context of climate change and species interactions using a Dynamic Energy Budget approach. Climate change - Concurrent Session 3 – Friday, 24 September.

Sauer, Warwick (Rhodes University, South Africa). Enhancing climate change resilience in the Benguela Current Large Marine Ecosystem: a case study of the small pelagic fisheries. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Scales, Kylie (University of The Sunshine Coast). Sub-surface ocean variables from multi-decade coupled climate reanalysis enable skilful forecasting of tuna and billfish distributions over seasonal to inter-annual timescales. Climate change - Concurrent Session 3 – Friday, 24 September.

Sgarlatta, Paula (UNSW). Similar changes in fish functional diversity through space and time in temperate reefs undergoing tropicalisation. Climate change - Concurrent Session 1 – Thursday, 23 September.

Silva, Goncalo (MARE-ISPA). The influence of global changes on the biology and dynamics of small pelagic fishes. Climate change - Concurrent Session 3 – Thursday, 23 September.

Slarke, Steven (Jacobs). SARFIIP Pike Floodplain, Pike River and Tanyaca Creek Fishways: Comparing Fishway Hydraulic and Biological Designs against Site Sampled Fish Data. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Smith, Laurel (NOAA Fisheries). Climate change, fish and fisheries: how climate change may be driving regime shifts and fish condition. Climate change (On-demand).

Spillman, Claire (Bureau of Meteorology). Seasonal forecasting for decision support in marine fisheries and aquaculture in Australia under a changing climate. Climate change - Concurrent Session 1 – Thursday, 23 September.

Urrea Mariño, Ulsía (Texas A&M University - Corpus Christi). Fishermen in Mexico and Cuba, challenges and opportunities in the face of Climate Change. Climate change - Concurrent Session 4 – Friday, 24 September.

Vaughan, Louise (Marine Institute / Galway Mayo Institute of Technology). Impacts of climate change on commercial fish stocks in Irish waters. Climate change - Concurrent Session 4 – Friday, 24 September.

Wang, Hui-yu (National Taiwan University). Rising temperature drives divergent effects on life histories and population growth rates for Indo-Pacific fishes. Climate change (On-demand).

Werner, Cisco (NOAA National Marine Fisheries Service). Climate and marine ecosystem variability on sub-seasonal to seasonal (S2S) time scales. Climate change - Concurrent Session 2 – Wednesday, 22 September.

Willington, Sarah (University of Melbourne). Does size diversity matter? Exploring the portfolio effect in size-at-age data in commercially fished species. Climate change - Concurrent Session 3 – Tuesday, 21 September.

Willis-Norton, Ellen (University of California Santa Cruz). The Impact of Climate Change on Metabolism, Hatching Success, and Viability of Lingcod Eggs (*Ophiodon elongatus*) in the California Current System. Climate change (On-demand).

Wolfe, Barrett (University of Tasmania). Mechanisms underpinning the climate-driven range extension of snapper (*Chrysophrys auratus*) into southeast Tasmania. Climate change - Concurrent Session 2 – Thursday, 23 September.

Wootton, Henry (Arthur Rylah Institute). Fishing and climate synergies drive rapid and varied trait change in fish populations: a multigenerational experimental approach. Climate change - Concurrent Session 4 – Friday, 24 September.

Wuellner, Melissa (University of Nebraska at Kearney). Changes in Aquatic Communities of Reservoir Coves Following Reconnection due to Flooding. Climate change (On-demand).

Yang, Wen-Hsi (The University of Queensland). Environmental-Based Quantitative Assessments: A Case Study of the East Coast Spanner Crab and Snapper Fisheries. Climate change - Concurrent Session 3 – Friday, 24 September.

Conservation

Allan, Hugh (Centre for Applied Water Science, University of Canberra). Remote sensing for freshwater conservation - it makes sense! Conservation - Concurrent Session 1 – Friday, 24 September.

Armstrong, Asia (University of Queensland). Reef manta rays forage on tidally driven, high density zooplankton patches in Hanifaru Bay, Maldives. Conservation - Concurrent Session 1 – Friday, 24 September.

Boys, Craig (NSW Department of Primary Industries). Fish Screens Australia – A Catalyst for Improving the Way Water is Diverted in Australia for the Benefit of Fish and Farmers. Conservation - Concurrent Session 1 – Friday, 24 September.

Carvalho, Felipe (Virginia Tech). Fishing gear selectivity of fish traits in coral reefs off northeastern Brazil. Conservation (On-demand).

Chandran, Rejani (ICAR-National Bureau of Fish Genetic Resources). Spatial variation in shape morphometry of Mugil cephalus Linnaeus 1758 from Indian waters. Conservation (On-demand).

Lear, Karissa (Murdoch University, Harry Butler Institute). Sawfish lifeboat springing a leak? Harnessing twenty years of ecological research to guide sustainable water resource management. Conservation - Concurrent Session 1 – Friday, 24 September.

Leigh, Sandra (University of Adelaide). Spatial ecology of an imperilled freshwater megafish over scales appropriate to life history and longevity. Conservation - Concurrent Session 1 – Friday, 24 September.

Lutz, Maiko (Monash University). Assessing recovery and conservation success using the IUCN Green Status of Species in a workshop setting: a case study for Australian freshwater fish. Conservation - Concurrent Session 4 – Wednesday, 22 September.

Magoro, Mandla Leon (South African Institute for Aquatic Biodiversity). The current distribution of non-native Nile Tilapia (*Oreochromis niloticus*) in the Limpopo and Mpumalanga Provinces - Implications for Mozambique tilapia conservation and South Africa's fish farming industry. Conservation - Concurrent Session 4 – Wednesday, 22 September.

Panero, Marta (James Cook University). Gorgonian corals and their significance as ecological engineers for marine fishes and invertebrates. Conservation - Concurrent Session 4 – Wednesday, 22 September.

Saha, Atal (Stockholm University). Monitoring genetic diversity in Arctic charr (*Salvelinus alpinus*) using whole genome sequencing. Conservation - Concurrent Session 4 – Wednesday, 22 September.

Simeon, Benaya (Fisheries Resource Center of Indonesia). Rhino-Ray Fisheries in the Biggest Shark Fishing Nation. Conservation (On-demand).

Ecosystem-based fisheries management

Alizadeh Ashrafi, Tannaz (The Arctic University of Norway, Uit). Intra and inter-temporal effort allocation and profit maximizing strategy of the trawl fishery. Ecosystem-based fisheries management (On-demand).

Añasco, Cherry Pilapil (University of The Philippines Visayas). CHARACTERIZATION OF COASTAL AND FISHERIES TOURISM IN SMALL ISLANDS AS SOCIAL-ECOLOGICAL SYSTEMS. Ecosystem-based fisheries management (On-demand).

Astles, Karen (NSW Fisheries). Using ecological risk assessment to contribute to harvest strategy development. Ecosystem-based fisheries management - Concurrent Session 3 – Tuesday, 21 September.

Barkai, Amos (OLSPS). OlracRTI: A complete and novel approach that considers biological, ecological and economic effects in wide-ranging Ecosystem-Based Fisheries Management. Ecosystem-based fisheries management (On-demand).

Berghuis, Andrew (Aquatic Biopassage Services). Refining fish passage objectives for more effective fishway designs. Ecosystem-based fisheries management - Concurrent Session 1 – Friday, 24 September.

Burnett, Matthew (University of Kwazulu-natal). FISHTAC: A tool to monitor the ecological consequences of multiple stressors to fisheries remotely and in real-time. Ecosystem-based fisheries management - Concurrent Session 1 – Friday, 24 September.

Cannard, Toni (CSIRO Oceans & Atmosphere). Stretching fisheries harvest strategies across the triple bottom line: a deep dive review. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Cucuzza, Marina (NOAA). Evaluating the theoretical and practical linkages between ecosystem-based fisheries management and fisheries co-management . Ecosystem-based fisheries management - Concurrent Session 3 – Tuesday, 21 September.

Datta, Samik (NIWA). A size-structured approach to modelling species in the Chatham Rise ecosystem. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Elliott, Vittoria (Worldfish). Can EBFM be applied through Community Lead co-management? Ecosystem-based fisheries management - Concurrent Session 1 – Friday, 24 September.

Fletcher, Rick (UN- Food and Agriculture Organisation). How to implement the concepts of ESD, EPBC, IFM, EBFM and MSC into the governance systems of a fisheries agency and not get indigestion? Ecosystem-based fisheries management - Concurrent Session 1 – Tuesday, 21 September.

Holmes, Lauren (PIRSA). Utilising integrated management during the assessment of applications for aquaculture development in South Australian State waters. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Hutton, Trevor (CSIRO). A revision of the grand Northern Prawn Fishery bio-economic model: including every prawn stock. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Karp, Melissa (ECS Tech, in support of NOAA Fisheries). Global examination of successes, challenges, and lessons learned in the application of multispecies models in fisheries management. Ecosystem-based fisheries management - Concurrent Session 1 – Friday, 24 September.

Knott, Nathan (NSW DPI - Fisheries). The quantification of large-scale systematic changes in rocky reef fish assemblages across the NSW Marine Park system. Ecosystem-based fisheries management - Concurrent Session 1 – Tuesday, 21 September.

Kolding, Jeppe (University of Bergen). Is the observed fishing down process compatible with an ecosystem approach to fisheries? Ecosystem-based fisheries management (On-demand).

Kulatska, Nataliia (Stockholm University, Baltic Sea Centre). Baltic cod predation: mechanisms, impact on prey, implications for fisheries. Ecosystem-based fisheries management (On-demand).

Lam, Mimi E. (University of Bergen). Overcoming EBFM Implementation Challenges: Multi-model Inference of Ecosystem- and Value-based Management Strategy Evaluation. Ecosystem-based fisheries management (On-demand).

Lim, Ai Gaik (Department of Fisheries Malaysia). LONG TERM MONITORING DATA ANALYSIS – A BASIS FOR ADAPTIVE MANAGEMENT: CASE STUDY FOR REDANG ISLAND MARINE PARK. Ecosystem-based fisheries management (On-demand).

Marshak, Tony (CSS, Inc. In Support of NOAA's National Centers For Coastal Ocean Science (NCCOS)). Characterizing and Comparing U.S. Marine Fisheries Ecosystems: Successful Factors in Moving Toward Ecosystem-Based Fisheries Management. Ecosystem-based fisheries management - Concurrent Session 1 – Tuesday, 21 September.

McWhinnie, Stephanie (University of Adelaide). Measuring, Interpreting and Monitoring Economic Productivity in an Input-Controlled Fishery. Ecosystem-based fisheries management - Concurrent Session 3 – Tuesday, 21 September.

Md Repin, izarenah (Department of Fisheries Malaysia). MARINE PARK MALAYSIA: MORE THAN JUST A FISHERY TOOL. Ecosystem-based fisheries management (On-demand).

Morison, Julian (BDO EconSearch). Having a crack at MEY when time, money and data are short. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Nkalubo, Winnie (NARO-NaFIRRI). Are small pelagic species the future? Unlocking the economic and nutritional potential of *Engraulicypris bredoi* and *Brycinus nurse* in Lake Albert. Ecosystem-based fisheries management (On-demand).

Novaglio, Camilla (IMAS - University of Tasmania). Exploring trade-offs in mixed fisheries by integrating fleet dynamics into multispecies size-spectrum models. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Ogier, Emily (Institute for Marine And Antarctic Studies). Reconciling conflict between "triple bottom line" objectives for fisheries management. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Opperman, Jeff (WWF). Forgotten Foods. The critical importance of food from rivers for food security health and sustainable diets. Ecosystem-based fisheries management - Concurrent Session 3 – Tuesday, 21 September.

Pascoe, Sean (CSIRO Oceans and Atmosphere). Use of Data Envelopment Analysis (DEA) to assess fisheries management alternatives in the presence of multiple objectives. Ecosystem-based fisheries management - Concurrent Session 2 – Tuesday, 21 September.

Pedreschi, Debbi (Marine Institute). Operationalising IEA for EBFM: learning by doing. Ecosystem-based fisheries management (On-demand).

Reid, David (Marine Institute). WKIRISH: harnessing fisher knowledge. A model route to co-management?. Ecosystem-based fisheries management - Concurrent Session 3 – Tuesday, 21 September.

Rogers, Alice (Victoria University of Wellington). The use of size-based models in Ecosystem Based Fisheries Management. Ecosystem-based fisheries management (On-demand).

Scheufele, Gabriela (Commonwealth Scientific and Industrial Research Organisation (CSIRO)). The use of non-market values in fisheries management: opportunities and challenges. Ecosystem-based fisheries management - Concurrent Session - Concurrent Session 3 - Tuesday.

Souter, Nick (Conservation International). Building fishing community resilience on Cambodia's Tonle Sap Lake. Ecosystem-based fisheries management - Concurrent Session 1 – Tuesday, 21 September.

Surma, Szymon (University of Alaska Fairbanks). The promise of satoumi for Pacific herring management and conservation. Ecosystem-based fisheries management (On-demand).

Woodruff, Patricia (University of British Columbia). Reservoir fertilization and fishery response in a highly managed reservoir with uncertain flows: ecosystem-based management using decision analysis. Ecosystem-based fisheries management (On-demand).

Ye, Yimin (FAO Of the United Nations). Contrasting fisheries management and resource status between the developed and developing countries. Ecosystem-based fisheries management - Concurrent Session 1 – Friday, 24 September.

Ecosystem-based and integrated ocean management

Aguion, Alba (University of Vigo). Does rotational harvest increase the economic performance of Territorial Use Rights for Fishing (TURFs)? Ecosystem-based and integrated ocean management (On-demand).

Bierwagen, Stacy (Australian Institute of Marine Science). Expanding Queensland's coastal acoustic telemetry array to track broad-scale movements of priority species. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Friday, 24 September.

Blanchard, Julia (IMAS - University of Tasmania). Early warning signals of fisheries collapse and recovery. Ecosystem-based and integrated ocean management - Concurrent Session 4 – Friday, 24 September.

Davison, Jade (PIRSA). Utilising aquaculture zone policies for the integrated management of South Australian marine aquaculture development. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Friday 24 September.

Durante, Leonardo (SARDI). Shifting trophic architecture of marine fisheries in New Zealand: implications for guiding effective ecosystem-based management. Ecosystem-based and integrated ocean management - Concurrent Session 4 – Wednesday, 22 September.

Elliott, Scott (Yarram Yarram Landcare Network). Restoring Corner Inlet's seagrass meadows - a case study for ecosystem regeneration globally. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Wednesday, 22 September.

Estevez, Rodrigo (Universidad Santo Tomas). Structured decision making in artisanal fisheries management: using scenario analysis to evaluate social impacts. Ecosystem-based and integrated ocean management (On-demand).

Goldsworthy, Simon (SARDI). The impacts of seal populations on the seafood industry in South Australia. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Friday, 24 September.

Harvey, Euan (Curtin University). Understanding the Value of Man-made Marine Structures. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Wednesday, 22 September.

Haugen, Janne (IBSS Corp/NOAA Fisheries). The multi-multi conundrum of ecosystem-based management; What difference does it make to do EBM? Ecosystem-based and integrated ocean management - Concurrent Session 2 – Friday, 24 September.

Holden, Matthew (University of Queensland). Reducing economic and ecological risks caused by harvest decisions based on single-species models. Ecosystem-based and integrated ocean management - Concurrent Session 4 – Friday, 24 September.

Nyameke, Isaac (Ghana Aquaculture and Fish Network). Why African countries marine fisheries production differ from each other? Ecosystem-based and integrated ocean management (On-demand).

O'Mara, Kaitlyn (Australian Rivers Institute, Griffith University). Movement of fish communities in the Mitchell River catchment and predicted impacts of potential dams. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Tuesday, 21 September.

Pedreschi, Debbi (Marine Institute). Mental Modelling with stakeholders to inform Integrated Socio-Ecological Assessment. Ecosystem-based and integrated ocean management (On-demand).

Plaganyi, Eva (CSIRO). Using MICE to quantify trade-offs between fisheries, agriculture production and biodiversity objectives. Ecosystem-based and integrated ocean management - Concurrent Session 4 – Friday, 24 September.

Quiros, T. E. Angela L. (Hokkaido University, Akkeshi Marine Station). Blue Carbon and Ecosystem Services: a case of small-scale fisheries in mangroves and seagrasses in the Philippines. Ecosystem-based and integrated ocean management (On-demand).

Rubianes-landazuri, Francisco (Universidad San Francisco De Quito). Elevated Mercury concentrations in Yellowfin tuna (*Thunnus albacares*) from the Galápagos Marine Reserve and Waters off Ecuador. Ecosystem-based and integrated ocean management (On-demand).

Schirmer, Jacki (University of Canberra). When, why and how does going fishing support the wellbeing of fishers? Ecosystem-based and integrated ocean management - Concurrent Session 4 – Wednesday, 22 September.

Spillias, Scott (University of Queensland). Modelling the Trade-Offs Between Habitat, Food, Carbon and Profits in an Offshore Seaweed Farm. Ecosystem-based and integrated ocean management - Concurrent Session 4 – Friday, 24 September.

Stockbridge, Jackson (University of Adelaide). Evaluation of a popular spatial cumulative impact assessment method for marine systems: a seagrass case study. Ecosystem-based and integrated ocean management - Concurrent Session 2 – Friday, 24 September.

Turschwell, Mischa (Griffith University). Anthropogenic threats and life-history predicts trajectories of seagrass extent. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Friday, 24 September.

Vertpre Kirk, Katyana (Arizona State University). Exploring FAD Management in the Eastern Pacific Ocean using an Agent-Based Bio-Economic Model: POSEIDON. Ecosystem-based and integrated ocean management (On-demand).

Vigier, Audric (Queen's University Belfast). A fisheries simulation model for the Celtic Sea mixed fishery to assess Real-Time Incentives, an innovative Ecosystem-Based Fisheries-Management approach. Ecosystem-based and integrated ocean management - Concurrent Session 2 – Friday, 24 September.

Voyer, Michelle (University of Wollongong). Showcasing local fishing stories as a pathway to revitalising primary production in regional communities. Ecosystem-based and integrated ocean management - Concurrent Session 3 – Friday, 24 September.

Environment and fisheries

Armstrong, Helen (Victoria University). Habitat use by deep sea chondrichthyans. Environment and fisheries - Concurrent Session 4 – Friday, 24 September.

Derhy, Ghoufrane (School of Technology Essaouira, Cadi Ayyad University, Morocco). Assessing external environmental drivers for the Chub Mackerel Moroccan fishery. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Hyder, Kieran (Cefas). Using pelagic drift and statistical models to identify the drivers of abundance and dynamics of young European sea bass (*Dicentrarchus labrax*) as indicators of recruitment. Environment and fisheries (On-demand).

James, Charles (SARDI). Pacific Oyster Mortality Syndrome (POMS): Oceanographic tools to improve disease surveillance and emergency response. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Kleisner, Kristin (Environmental Defense Fund). A foundation for climate-resilient fisheries in the Humboldt Current: establishing a comprehensive coastal ocean observing system in Chile and Peru. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Redondo Rodriguez, Ana (SARDI). Oceanographic modelling of South Australian King George Whiting larval pathways. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Schilling, Hayden (Sydney Institute of Marine Science). Coastal winds drive a recruitment mechanism for estuarine fisheries. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Wiryawan, Budy (IPB University). Towards the establishment of an Offshore Marine Protected Area in the Sulawesi Sea, Indonesia: Results from initial comprehensive assessment. Environment and fisheries - Concurrent Session 3 – Wednesday, 22 September.

Non-native species – impacts and management

Bartley, Devin (Michigan State University). Non-native species: framework for responsible use and control. Non-native species – impacts and management - Concurrent Session 4 – Tuesday, 21 September.

Dawson, Heather (University of Michigan-Flint). A novel application of Management Strategy Evaluation to optimize management of an invasive parasitic fish in the Laurentian Great Lakes. Non-native species – impacts and management (On-demand).

Leonard, Nancy (PSMFC). The Importance of Collaborative Regional Data Exchanges in Supporting Fisheries Sustainability and Aquatic Invasive Species Prevention. Non-native species – impacts and management - Concurrent Session 4 – Tuesday, 21 September.

Ling, Nicholas (Waikato University). Sniffing out aliens: using scent detection dogs to detect aquatic invasive species. Non-native species – impacts and management - Concurrent Session 3 – Tuesday, 21 September.

Madzivanzira, Takudzwa Comfort (South African Institute for Aquatic Biodiversity). Potential ecological and socioeconomic impacts of invasive crayfish in Africa. Non-native species – impacts and management (On-demand).

Mair, Graham (Food and Agriculture Organisation Of The Un). The importance of non-native species in global aquaculture. Non-native species – impacts and management - Concurrent Session 4 – Tuesday, 21 September.

Millington, Mariah (Australian Rivers Institute- Griffith University). Fishing the deep web- illegal trade in an unregulated industry. Non-native species – impacts and management - Concurrent Session 4 – Tuesday, 21 September.

Pegg, Josephine (South African Institute for Aquatic Biodiversity). Invasive fishes in a protected inland water in South Africa: Conflicts, common ground and challenges for management. Non-native species (On-demand).

Sandodden, Roar (Norwegian Veterinary Institute). It is time to do something. Examples of successful eradications of invasive alien fish in Norway using rotenone. Non-native species (On-demand).

Smolders, Sander (Office for Risk Assessment and Research, NVWA). Alien species flourish on fisheries all over the world! Non-native species – impacts and management (On-demand).

South, Josie (The South African Institute for Aquatic Biodiversity). Strategic assessment of the redclaw crayfish (*Cherax quadricarinatus*) invasion in the Upper Zambezi. Non-native species – impacts and management (On-demand).

Wingfield, Jill (Great Lakes Fishery Commission). Focusing Collaborative Fisheries Management Efforts in the Great Lakes on Invasive Species Management. Non-native species – impacts and management (On-demand).

Woodruff, Patricia (University of British Columbia). Potential effects of invasive Dreissenid mussels on a pelagic freshwater ecosystem: using an ecosystem model to simulate mussel invasion in a sockeye lake. Non-native species – impacts and management (On-demand).

Yick, Jonah (Tasmanian Inland Fisheries Service). European carp in Tasmania: The final stages towards achieving a statewide eradication. Non-native species – impacts and management - Concurrent Session 3 – Tuesday, 21 September.

Sharks and rays

Amelot, Morgane (Ifremer). Channel and North Sea rays stock assessment in a data limited framework. Sharks and rays (On-demand).

Batsleer, Jurgen (Wageningen Marine Research). INNORAYS: Improving our knowledge-base for North Sea rays using 'Electronic Monitoring'. Sharks and rays - Concurrent Session 2 – Thursday, 23 September.

Bravington, Mark (CSIRO). Close-Kin Mark-Recapture and the stock assessment of sharks. Sharks and rays - Concurrent Session 1 – Friday, 24 September.

Briones Mendoza, Jesús (Uleam). Aspects biological of the bitter yellowtail shark *Alopias superciliosus* (Lowe, 1841) and the pelagic fox shark *Alopias pelagicus* (nakamura, 1935) (Carcharhiniformes: Alopiidae) in the ecuadorian South Pacific. Sharks and rays (On-demand).

Cortes, Enric (NOAA/NMFS/SEFSC). Identifying biological reference points and determining stock status for sharks and rays with data-limited methods. Sharks and rays - Concurrent Session 1 – Friday, 24 September.

D'alberto, Brooke (James Cook University). The extinction risk for rhino rays (Order Rhinopristiformes) – what we know and what we can do next. Sharks and rays - Concurrent Session 2 – Thursday, 23 September.

Fauconnet, Laurence (IMAR / University of Azores). Deep-sea shark identification manual for fishers: a tool to better document biodiversity and bycatch of those data-poor species. Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Garces-Garcia, Karla (University of Melbourne/University of Veracruz). Is the Mexican elasmobranch fishery at rising risk? Observed and projected oceanographic changes in the Gulf of California and adjacent Mexican Pacific waters. Sharks and rays - Concurrent Session 2 – Thursday, 23 September.

Gooden, Adrienne (Flinders University). Assessing the effects of non-lethal consumptive use of marine resources on the energy budget of a top predator. Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Green, Madeline (CSIRO). Trends in stock-structure identification for sharks and rays. Sharks and rays - Concurrent Session 1 – Friday, 24 September.

Heldsinger, Michael (University of Otago). Investigating shark distribution within Southern NZ marine reserves. Sharks and rays - Concurrent Session 4 – Wednesday, 22 September.

Huveneers, Charlie (Flinders University). Can sawfish bycatch within the Northern Prawn Fishery (NPF) be mitigated using an electric field? Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Huveneers, Charlie (Flinders University). Continental-scale network reveals cross-jurisdictional movements of sympatric sharks. Sharks and rays - Concurrent Session 3 – Thursday, 23 September.

Ichsan, Muhammad (University of Sunshine Coast). Thresher Shark Fisheries in Southwest Aceh Indonesia. Sharks and rays (On-demand).

Jabado, Rima (Elasmo Project). Rhino rays – uncovering the drivers behind their exploitation in data-poor areas. Sharks and rays - Concurrent Session 1 – Friday, 24 September.

Karnad, Divya (Ashoka University). Beyond fins: Local drivers for declining shark fisheries in India. Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Kirke, Amy (Charles Darwin University). Reproductive biology of two bycatch shark species in the Northern Territory. Sharks and rays - Concurrent Session 3 – Thursday, 23 September.

Manuzzi, Alice (University of Padova). DNA from historical tiger shark (*Galeocerdo cuvier*) jaws suggests the disappearance of a local population off southeastern Australia. Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Mitchell, Jonathan (Queensland Government, Department of Agriculture and Fisheries). Galapagos shark movement patterns, residency and interactions with fishing vessels at Lord Howe Island, Australia. Sharks and rays - Concurrent Session 3 – Thursday, 23 September.

Raoult, Vincent (University of Newcastle). Predicting habitat range of shark populations from stable isotopes: a case study with great hammerhead sharks (*Sphyrna mokarran*). Sharks and rays - Concurrent Session 2 – Thursday, 23 September.

Smart, Jonathan (SARDI). Can multi-species shark longline fisheries be managed sustainably using size limits? Theoretically, yes. Realistically, No. Sharks and rays - Concurrent Session 1 – Thursday, 23 September.

Theme 3 – Fisheries and society (Contributions to sustainable development)

Communications

Brady, Margaret M. (Peg) (NOAA Fisheries Science & Technology). Advancing Ecosystem-based Fisheries Management depends on Effective Engagement Strategies. Communications - Concurrent Session 4 – Friday, 24 September.

Dankel, Dorothy (Dept. Of Biological Sciences, University of Bergen). Localizing the SDGs for Sustainable Coastal Development: Andøy municipality in Vesterålen, Norway as a science to policy example from the #LoVeSeSDG transdisciplinary project. Communications - Concurrent Session 4 – Thursday, 23 September.

Fausch, Kurt (Colorado State University, USA). For the Love of Rivers: Crossing Boundaries to Reach Diverse Audiences Through Narrative Nonfiction Linked with Video. Communications - Concurrent Session 2 – Thursday, 23 September.

Fuller, Jessica (University of Bergen). Localizing the United Nations Sustainable Development Goals for Norway: telling a story about people and places. Communications (On-demand).

Fulton, Beth (CSIRO, Centre for Marine Socioecology, University of Tasmania). A picture is worth a thousand words. Communications (On-demand).

Kadykalo, Andrew (Carleton University). Evaluating Evidence-Informed Policy, Practice, and Decision-Making in British Columbia's Rainbow Trout Fisheries. Communications - Concurrent Session 4 – Thursday, 23 September.

Lozada, Coral (HRI). Livelihoods in Transition Across the Gulf of Mexico: The Yucatan. Communications - Concurrent Session 3 – Wednesday, 22 September.

Manning, Toni (PIRSA). Fishcare Volunteers: Educating the public in Fisheries regulations. Communications - Concurrent Session 4 – Friday, 24 September.

Mansfield, Elizabeth (Stanford University). Technology Use, Information Sharing, and Access to Climate Change Knowledge in a Small-Scale Fishery of Baja California. Communications (On-demand).

Pastors, Martin (Pelagic Freezer-trawler Association). Looking back before looking forward: the benefits of historical retrospective analysis in discussing future management options. Communications - Concurrent Session 4 – Thursday, 23 September.

Pecl, Gretta (Centre for Marine Socioecology). Reflections on a decade of climate change communication and engagement using a wide range of approaches with different marine stakeholder groups. Communications - Concurrent Session 2 – Thursday, 23 September.

Pope, Kevin (U.S. Geological Survey). Progression of AFS Standard Methods for Sampling Freshwater Fish in North America. Communications (On-demand).

Rasoloniriana, Rindra (Blue Ventures Conservation). An innovative, integrated loop involving small-scale fishers at each stage of governance, from data collection to restitution to choosing the best next action - Case of Madagascar LMMAs. Communications - Concurrent Session 2 – Thursday, 23 September.

Scott, Finlay (The Pacific Community). Effective stakeholder engagement and capacity building for developing tuna harvest strategies in the Western and Central Pacific Ocean. Communications - Concurrent Session 4 – Thursday, 23 September.

Uhlmann, Sven Sebastian (VISNED). The twilight zone between science and policy: Decision-making around awarding exemptions from the European Union discard ban. Communications (On-demand).

Zemeckis, Douglas (Rutgers University). Educating Stakeholders on the Science and Management of Marine Fisheries in the U.S. Mid-Atlantic Region. Communications - Concurrent Session 4 – Friday, 24 September.

Feeding the world – food, nutrition, safety and waste

Chung, (Alexis) Wing Huen (Curtin University). Novel Snack-Food Products using Australian Finfish Waste: Development, Validation, Viability. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Dey, Suman (Icar-central Institute of Fisheries Education, Mumbai). Articulating and Computing the Contribution of Fisheries Towards Food Security: A Mixed-Method Approach. Feeding the world - food nutrition, safety and waste (On-demand).

Farmery, Anna (University of Wollongong). Identifying policy best-practice for linking aquatic food and food and nutrition security. Feeding the world - food nutrition, safety and waste - Concurrent Session 2 – Thursday, 23 September.

Gardner, Caleb (Institute for Marine and Antarctic Studies, University of Tasmania). Would we really be starving without aquaculture? Feeding the world - food nutrition, safety and waste - Concurrent Session 4 – Wednesday, 22 September.

Gibson, Emily (Charles Darwin University). Coping or adapting? Experiences of food and nutritional insecurity in specialised fishing households in Komodo District, eastern Indonesia. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Gibson, Emily (Charles Darwin University). Assessment of Indonesia's policy framework to support gender responsive and nutrition-sensitive small-scale fisheries. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Haga, Yutaka (Tokyo University of Marine Science And Technology). Development of sustainable aquafeed with microalgae. Feeding the world - food nutrition, safety and waste (On-demand).

Jones, Alice (The University of Adelaide). Climate-smart marine aquaculture: identifying vulnerabilities, leverage points and opportunities for emissions reduction and sequestration. Feeding the world - food nutrition, safety and waste - Concurrent Session 4 – Wednesday, 22 September.

Lofstedt, Anneli (University of Aberdeen). Establishing the relationship between fish size and nutritional composition in four commercially important North-east Atlantic species. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Mills, David (Worldfish). Illuminating Hidden Harvests – novel approaches to better understanding nutrition contributions from marine and inland small-scale fisheries. Feeding the world - food nutrition, safety and waste - Concurrent Session 2 – Thursday, 23 September.

Moniruzzaman, Sheik Md. (Tokyo University of Marine Science and Technology). Properties of lizardfish scale collagen films incorporated with pyrogallol and curcumin. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Muhonda, Park (Church and Society Program). Who benefits from usipa fishery? Mapping the distribution of livelihoods, income, and food benefits along the USIPA value chain. Feeding the world - food nutrition, safety and waste (On-demand).

Namwanje, Mary (Makerere University). Iron deficiency in the first 1000 days of life: Exploration of dietary strategies that need to be employed. Feeding the world - food nutrition, safety and waste (On-demand).

Okuthe, Grace (Walter Sisulu University). Effects of feeding frequency on Mozambique tilapia, *Oreochromis mossambicus* (Perciformes: Cichlidae). Feeding the world - food nutrition, safety and waste (On-demand).

Okuthe, Grace (Walter Sisulu University). Preliminary use of *Aspalathus linearis* tea extracts on growth performance of *Tilapia mossambicus* (Perciformes: Cichlidae). Feeding the world - food nutrition, safety and waste (On-demand).

Shalders, Tanika (Southern Cross University). Effects of climate change on seafood nutritional and sensory quality. Feeding the world - food nutrition, safety and waste - Concurrent Session 3 – Tuesday, 21 September.

Sharma, Arpita (ICAR-Central Institute of Fisheries Education). Circular Economy in Fisheries and Aquaculture. Feeding the world - food nutrition, safety and waste - Concurrent Session 2 – Thursday, 23 September.

Turnbull, Alison (University of Tasmania). Building market access through the production of SafeFish in Australia. Feeding the world - food nutrition, safety and waste - Concurrent Session 2 – Thursday, 23 September.

Global challenges – social licence, pollution, and international fisheries

Bornt, Katrina (The University of Western Australia). Examining plastic use and potential alternatives in a major Australian fishery. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 4 – Wednesday, 22 September.

Brown, Culum (Macquarie University). Sharks are not mindless killing machines. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Tuesday, 21 September.

Burton, Michael (University of Western Australia). The economic value of man-made marine structures for fisheries. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

Carlin, Lisa (BDO EconSearch). The link between economic contribution and social licence evidenced by economic data collection in South Australia's commercial fisheries. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

Carmody, Harrison (BMT Commercial Australia). Modelling Sea Lice for Site Selection and Improved Farm Management. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 4 – Wednesday, 22 September.

Carter, David (Austral Fisheries). Make or Break: The Value of Social License. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Tuesday, 21 September.

Clifton, Julian (University of Western Australia). Social values of man-made marine structures: empirical research from Western Australia. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

D'Andrea, Ariella (Pacific Community (SPC)). Aquatic Biosecurity Governance in the Pacific Island Region: Status and Trends. Global challenges - social licence, pollution, and international fisheries (On-demand).

Dankel, Dorothy (Dept. Of Biological Sciences, University Of Bergen). "Doing CRISPR": Genetically modified Norwegian farmed salmon: in the lab AND on the plate? Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Datta, Samik (NIWA). Predicting and comparing future epidemics of invasive marine species in New Zealand. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Dolling, Sophie (The University of Adelaide). Chemical pollution in microplastics: Are plastics a vector for the translocation of pollutants through marine food webs? Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Ferreira, Beatriz Mesquita (Fundação Joaquim Nabuco). Socioeconomic and environmental impacts of oil contamination Brazilian Northeast coastal beaches. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Fletcher, Rick (UN- Food and Agriculture Organisation). Measuring implementation of the Ecosystem Approach to Fisheries (EAF) management using case studies completed for African and deepsea ABNJ fisheries. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Hale, Benjamin (Adpower). Methods to profile and connect the provenance of wild caught prawn fisheries and their values to the community (FRDC 2018-172). Global challenges - social licence, pollution, and international fisheries - Concurrent Session - Concurrent Session 1 - Wednesday.

Kopp, Dorothee (Ifremer). Fish and click: how participatory science helps to describe the distribution of lost fishing gears. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Lam, Mimi E. (University of Bergen). Managing Ethical Norwegian Seascape Activities (MENSA). Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

Lennan, Mitchell (University of Strathclyde). Marine Biodiversity Redistribution under Climate Change: The Role of Regional Fisheries Management Organisations in Addressing the "Governance Gap". Global challenges - social licence, pollution, and international fisheries (On-demand).

Magnusson, Anders (BDO EconSearch). Maximising the value of administrative data for modelling the economic contribution of commercial fishing. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Magnusson, Anders (BDO EconSearch). Economic rent as a measure of value creation by commercial fisheries: 20 years of data visualised for South Australia. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Narendrakumar, Lekshmi (ICAR National Bureau of Fish Genetic Resources). In vitro and in vivo resistance of rohu, *Labeo rohita* to *cyprinid herpesvirus -2* (CyHV-2). Global challenges - social licence, pollution, and international fisheries (On-demand).

Ogunola, Solomon (University of Adelaide). Microplastics in commercial decapod crustaceans from Australian coastal waters. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Palermo, Cindy (Harry Butler Institute, Murdoch University). Molecular characterisation and prevalence of the enteric parasite *Cryptosporidium* in the invasive fish species *Carassius auratus* (goldfish), *Cyprinus carpio* (common carp), and *Gambusia holbrooki* (mosquito fish) in Western Australia. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

Paris, Andrew (University of The South Pacific). Evaluation of the abundance and distribution of microplastics in Fiji surface waters. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 4 – Wednesday, 22 September.

Preece, Ann (CSIRO). An innovative recruitment monitoring program that provides absolute abundance data for assessment and management: the southern bluefin tuna genetic-tagging program. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Pring, Nikita (The University of Adelaide). Plastic Pollution in Mangroves. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 4 – Wednesday, 22 September.

Rivas, Priscilla (University of New South Wales). The Agreement on Port State Measures: Pacific Islands Perspective. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 3 – Wednesday, 22 September.

Rowe, Simon (Oceanwatch Australia (Marine NRM)). Source reduction of Professional fishing debris. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 2 – Wednesday, 22 September.

Scheufele, Gabriela (Commonwealth Scientific and Industrial Research Organisation (CSIRO)). Availability of Non-Market Values to Inform Decision-Making in Australian Fisheries and Aquaculture: An Audit and Gap Analysis. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Tuesday, 21 September.

Silva, Vinuri (University of Adelaide). First evidence of microplastic presence in Sri Lankan fish and a comparison to the same species in Australia (Poster presentation).

Sood, Neeraj (Icar-nbfg). Aquatic Animal Disease Surveillance in India- a Step towards Sustainable Growth of Aquaculture. Global challenges - social licence, pollution, and international fisheries (On-demand).

Summers, Stephen (Singapore Centre on Environmental Life Sciences Engineering (SCELSE)). Effects of ingested microplastics with sorbed triclosan on fish gut health and assessment of triclosan bioavailability. Global challenges - social licence, pollution, and international fisheries (On-demand).

Threlfall, Siobhan (OceanWatch Australia). Tide to Tip - An oyster industry waterway clean-up initiative. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Wednesday, 22 September.

Wootton, Nina (University of Adelaide). Occurrence of microplastic in fish: awareness, knowledge and solutions. Global challenges - social licence, pollution, and international fisheries - Concurrent Session 1 – Tuesday, 21 September.

People – women in fisheries, workforce, investment, safety and building capacity

Abernethy, Kirsten (Sea Change Consulting). Understanding the levels of women’s involvement in the seafood sector and barriers to increased participation. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Thursday, 23 September.

Adams, Tanya (Taylored Health and Safety). National Seafood Industry Workplace Safety Toolkit. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Thursday, 23 September.

Afrin, Zaidy (World Maritime University). Advancing social sustainability in dive fishers work below water: SDG 14 and SDG 8 decent work linkages as a tool. People - women in fisheries, workforce, investment, safety and building capacity (On-demand).

Anderson, Mark (Torres Strait Regional Authority). Multi-stakeholder Indigenous partnerships: Towards regional economic independence through commercial fisheries ownership in the Torres Strait. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Wednesday, 22 September.

Dyer, Greg (Sydney Fish Market Pty Ltd). Sydney Fish Market Redevelopment: A New Frontier for the Australian Seafood Industry. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Eayrs, Stephen (Smart Fishing Consulting). The SeSAFE learning management system: delivery of cost-effective and flexible safety training to the fishing and aquaculture industry. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Elliott, Vittoria (Worldfish). Building community capacity for applying fish ecology and research results to small-scale fishery management (Poster presentation).

Fennell, Hannah (Heriot Watt University). Quantifying the hidden financial and legal responsibilities and liabilities of women in the UK’s fishing industry. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 4 – Wednesday, 22 September.

Grech, Michelle (Australian Maritime Safety Authority). Study examining fatigue as a safety hazard in domestic commercial fishing vessels in Australia. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Heskins, John (Spatial Vision). Maximising the value of seafood industry data. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Nauen, Cornelia (Mundus Maris Asbl). The Small-Scale Fisheries Academy as a source of innovation and operational support to the SSF Guidelines. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Wednesday, 22 September.

Rabbitt, Sheridan (University of Queensland). A framework for assessing women's engagement in community-based fisheries management in the Pacific using a case study from Marovo Lagoon, Solomon Islands. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 3 – Wednesday, 22 September.

Rice, Emma (Michigan State University). Improving Livelihoods of Female Fish Traders in Malawi: Analyzing Barriers to Market Access. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 4 – Wednesday, 22 September.

Rife, Alexis (Environmental Defense Fund). Developing an interactive resource hub as a platform to foster user-driven, peer-to-peer learning and exchange to scale capacity in small-scale fisheries. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Robinson, Tom (Goolwa Pipi Co Pty Ltd). 10,000 years of catch history. The story of Goolwa PipiCo and their indigenous commercial partners, the Ngarrindjeri people. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Thursday, 23 September.

Sánchez Daroqui, Rubén (Food and Agriculture Organization (FAO)). National Plans of Action in Support of the Implementation of the SSF Guidelines (NPOA-SSF). People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 - Wednesday.

Short, Katherine (On-Board Social Accountability (OSA) Ltd). Improving the Conditions of Labour on Board Fishing Vessels. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 3 – Wednesday, 22 September.

Silvano, Renato (Universidade Federal Rio Grande do Sul). Participatory monitoring as a management option for data-poor small-scale freshwater fisheries. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Song, Andrew (University of Technology Sydney). Fishers' capacity to cope with maritime security entanglement. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Wednesday, 22 September.

Thomas, Alexandra (Alex Thomas Pty Ltd). #PlantASeedForSafety (...and #SaveALifeListenToYourWife!). People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 2 – Wednesday, 22 September.

Whippy-Morris, Cherie (University of The South Pacific). Upskilling our Pacific Islands fisheries advocates. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 1 – Thursday, 23 September.

Witherall, Greg (Australian Maritime Safety Authority). A data driven approach to sustainable fishing safety: A Case study focusing on improving safety in Dory Operations. People - women in fisheries, workforce, investment, safety and building capacity - Concurrent Session 4 – Wednesday, 22 September.

Theme 4 – Future of fish and fisheries (Innovations in fisheries)

Advances in fishing vessels and fishing gear

Black, Suzy (New Zealand Institute for Plant and Food Research). Taking a fish-centric approach to designing industrial harvesting technology. Advances in fishing vessels and fishing gear (On-demand).

Boute, Pim (Wageningen University & Research). Quantifying behavioural and muscle activation thresholds of non-target fishes for pulsed electric fields as used in flatfish electrotrawling. Advances in fishing vessels and fishing gear (On-demand).

Chin, Andrew (James Cook University). A better way to fish? Trialing tunnel net fish 'traps' to improve bycatch outcomes and fisher's social license in the Great Barrier Reef. Advances in fishing vessels and fishing gear - Concurrent Session 4 – Wednesday, 22 September.

Cuende De Fransico, Elsa (FUNDACION AZTI). Size selectivity and catch patterns of hake (*Merluccius merluccius*) and blue whiting (*Micromesistius poutassou*) combining different SMP and codend designs. Advances in fishing vessels and fishing gear (On-demand).

Eayrs, Stephen (Smart Fishing Consulting). The myth of voluntary uptake of proven fishing gear: investigations into the challenges inspiring change in fisheries. Advances in fishing vessels and fishing gear - Concurrent Session 3 – Friday, 24 September.

Haasnoot, Tim (ProSea Marine Education). Success and failure in fishing gear innovation pathways: the case of the pulse trawl. Advances in fishing vessels and fishing gear - Concurrent Session 4 – Wednesday, 22 September.

Laird, Adrienne (NPF Industry Pty Ltd). Industry gear innovations achieve bycatch reduction target in the Northern Prawn Fishery. Advances in fishing vessels and fishing gear - Concurrent Session 4 - Wednesday.

Lieschke, Jason (Arthur Rylah Institute, DELWP). Electrofishing Estuarine Habitats: Can we do it? – Yes we can! Advances in fishing vessels and fishing gear - Concurrent Session 3 – Friday, 24 September.

Mehault, Sonia (Ifremer). Using fish behaviour to design a sustainable gear: fish pot case study on the French Atlantic coast. Advances in fishing vessels and fishing gear (On-demand).

Melli, Valentina (DTU Aqua). Flexible anterior gear modifications to reduce fish bycatch in crustacean trawl fisheries. Advances in fishing vessels and fishing gear - Concurrent Session 4 – Wednesday, 22 September.

Rijnsdorp, Adriaan (Wageningen Marine Research). Replacing mechanical stimulation by electrical stimulation reduces environmental impact of the flatfish beam trawl fishery. Advances in fishing vessels and fishing gear (On-demand).

Rousseau, Yannick (UTAS / IMAS). Technological creep in world fisheries and its impact. Advances in fishing vessels and fishing gear - Concurrent Session 4 – Wednesday, 22 September.

Susanto, Adi (University of Sultan Ageng Tirtayasa). Design of Eco Smart Fishing Trap: Increasing Productivity and Sustainability for Blue Swimming Crab Fisheries. Advances in fishing vessels and fishing gear (On-demand).

Tiano, Justin (Netherlands Institute for Sea Research (NIOZ)). The consequences of electro-trawling on benthic ecosystem functioning. Advances in fishing vessels and fishing gear (On-demand).

Wisudo, Sugeng Hari (IPB University (Bogor Agricultural University)). Opportunities for the use of seawater batteries as a energy source for fishing lamps in the light fishing. Advances in fishing vessels and fishing gear (On-demand).

Biomarkers in calcified structures

Artetxe, Iraide (Fundación AZTI-AZTI Fundazioa). Resolving the stock structure of Indian Ocean yellowfin tuna (*Thunnus albacares*); an otolith microchemistry approach. Biomarkers in calcified structures (On-demand).

Barrow, Joshua (University of Melbourne). Moving matters: Growth implications of movement and environmental variation for a potamodromous fish. Biomarkers in calcified structures - Concurrent Session 1 – Friday 24 September.

Chamberlin, Derek (University of Florida). Validating Gray Triggerfish (*Balistes capriscus*) Otolith-Derived Age Estimates via Eye Lens Radiocarbon. Biomarkers in calcified structures (On-demand).

Chung, Ming-Tsung (The University of Tokyo). Thermal sensitivity of field metabolic rates in aquatic ectotherms: implications for fish and fisheries in future oceans. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 23 September.

Coussau, Lola (Université Du Quebec À Rimouski). Population connectivity of redfish (*Sebastes* sp.) in the Gulf of St. Lawrence, Canada, revealed by otolith elemental fingerprint. Biomarkers in calcified structures (On-demand).

Curtis, Michael (Texas A&M University - Corpus Christi). Habitat Use, Variation, and Trophic Dynamics of Catadromous Fish (*Anguilla rostrata*) in Sub-Tropical Texas. Biomarkers in calcified structures (On-demand).

Darnaude, Audrey (CNRS (MARBEC, Montpellier)). Multidisciplinary approaches to elucidate lifetime connectivity and its impact for fisheries production in coastal marine fishes: the case study of the sequential hermaphrodite *Sparus aurata* in the Mediterranean. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 23 September.

Doubleday, Zoe (Future Industries Institute, UniSA). Same but different: how otolith-like structures can help us to reconstruct stories of marine life. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 23 September.

Fortin, William (Université Du Québec À Chicoutimi). Spatial and interspecies variability of fish otolith elemental fingerprint in a large fluvial ecosystem. Biomarkers in calcified structures (On-demand).

Khan, Mohammad Afzal (Aligarh Muslim University, India). Age and growth of stinging catfish, *Heteropneustes fossilis* (Bloch, 1794). Biomarkers in calcified structures (On-demand).

Leahy, Susannah (Queensland Department of Agriculture and Fisheries). Using otolith biomarkers to develop robust spectral discrimination of wild- versus hatchery-origin individuals in a marine fishery. Biomarkers in calcified structures - Concurrent Session 1 – Friday, 24 September.

Lueders-Dumont, Jessica (Smithsonian Institution, Smithsonian Tropical Research Institute). An ear to the past: reconstructing past food web structure using nitrogen isotopes in fossil otoliths. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 22 September.

Martinho, Filipe (Centre for Functional Ecology, University of Coimbra). Squeezing water from a stone: Relating water and otolith chemistry to disclose estuarine nursery habitat use of a juvenile flatfish. Biomarkers in calcified structures (On-demand).

Nien, Yu-Ling (National Taiwan Ocean University). Early life history of cryptic mullet species (*Mugil cephalus*) by otolith chemistry analysis. (Poster presentation).

Oster, Jacob (Texas A&M University-Corpus Christi). Pressed for Space and Time: Elucidating the Long-Term Effect of Sub-Lethal Stressors on Fish Niche Space using Chronological Tissues (Poster presentation).

Oxman, Dion (Alaska Department of Fish and Game). Reconstructing Reproductive Life Histories Using Hormones Recovered from Incrementally Grown Structures in Fish. Biomarkers in calcified structures (On-demand).

Reis-Santos, Patrick (University of Adelaide). Using otoliths to unlock movement and life history characteristics of long-lived predator fishes. Biomarkers in calcified structures - Concurrent Session 1 – Friday, 24 September.

Sarakinis, Koster (The University of Adelaide). Combining natural fish markers to investigate population structure and connectivity. Biomarkers in calcified structures - Concurrent Session 1 – Friday, 24 September.

Sturrock, Anna (University of Essex). Tracking the ghosts using otolith reconstructions and repeat sampling through space and time. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 23 September.

Varea, Rufino (The University of The South Pacific). Multibiomarker application in marine sentinel fish and gaps in environmental risk assessments in Pacific Island Countries and Territories. Biomarkers in calcified structures (On-demand).

Visconti, Valerio (CEFAS). Lead in the head: elevated Pb concentrations in otoliths of flatfish with liver cancer. Biomarkers in calcified structures (On-demand).

Vrdoljak, Dario (Institute of Oceanography and Fisheries). Connectivity between nursery and adult habitats of *Sparus aurata* through otolith elemental fingerprints in the eastern Adriatic Sea (Poster presentation).

Walther, Benjamin (Texas A&m University - Corpus Christi). Comparing trans-basin responses of different fish species in hypoxic “dead zones”: direct evidence from otolith chemistry and growth. Biomarkers in calcified structures (On-demand).

Walther, Benjamin (Texas A&m University - Corpus Christi). Tracking hypoxia exposure and consequences with combined otolith chemistry and tissue isotope analyses. Biomarkers in calcified structures (On-demand).

Willmes, Malte (University of California, Santa Cruz). Looking at the past to predict the future: Using isotope tools to compare historical and contemporary salmon populations in a heavily altered landscape. Biomarkers in calcified structures - Concurrent Session 4 – Wednesday, 22 September.

Emerging technology, machine learning and big data

Barkai, Amos (OLSPS). Olrac Mobile Dynamic Data Logger: A mobile electronic logbook solution. Emerging technologies, machine learning and big data (On-demand).

Berges, Benoit (Wageningen Marine Research). Fish species recognition using broadband acoustics for improved fishing selectivity of pelagic fishing vessels in the North Sea. Emerging technologies, machine learning and big data - Concurrent Session 1 – Friday, 24 September.

Boulais, Océane (Northern Gulf Institute). Applications of Machine Learning (ML) for At-Sea Marine Electronic Monitoring (EM) Systems for Reef Fish Assessment. Emerging technologies, machine learning and big data - Concurrent Session 3 – Friday, 24 September.

Butterfield, Tom (NSW DPI (Fisheries)). Use of emerging technologies to improve monitoring in the NSW trout fishery: techniques and lessons learnt (Poster presentation).

Cai, Jiarui (University of Washington). Fish Species Identification and Novelty Detection with Imbalanced Datasets. Emerging technologies, machine learning and big data (On-demand).

Cooney, Patrick (Smith-Root Electrofishing). Reinventing electrofishing through innovation. Emerging technologies, machine learning and big data (On-demand).

Cusack, Christopher (c/o Ryan Singh). Bring on the data wave: Catalyzing electronic fisheries monitoring by breaking down barriers to uptake. Emerging technologies, machine learning and big data (On-demand).

Gallagher, Riley (North Carolina State University). Investigating Atlantic Cobia Stock Structure and Site Fidelity Using Acoustic Telemetry. Emerging technologies, machine learning and big data (On-demand).

Jackett, Chris (CSIRO). Deep learning classification of deep-sea coral reefs. Emerging technologies, machine learning and big data - Concurrent Session 1 – Friday, 24 September.

Jaine, Fabrice (Sydney Institute of Marine Science). Monitoring stocks beyond borders: optimisation of a continental telemetry network to inform cross-jurisdictional movements of important Australian fish and shark species. Emerging technologies, machine learning and big data - Concurrent Session 3 – Friday, 24 September.

Lopez-Marcano, Sebastian (Griffith University, Australian Rivers Institute). Computer vision techniques in fish population connectivity. Emerging technologies, machine learning and big data - Concurrent Session 2 – Friday, 24 September.

Martinho, Filipe (Centre for Functional Ecology, University of Coimbra). Using autonomous surface vehicles for unravelling habitat use patterns in a marine flatfish (Poster presentation).

Sauger, Carine (Ifremer). Turning a time consuming process into a few coded lines: How deep learning can shorten histology slide readings for maturity staging. Emerging technologies, machine learning and big data - Concurrent Session 1 – Friday, 24 September.

Skea, Gretchen (Ministry for Primary industries). Development of automated imaging analysis techniques to determine ages from otoliths. Emerging technologies, machine learning and big data - Concurrent Session 2 – Friday, 24 September.

Strutton, Peter (University of Tasmania). Autonomous floats and high resolution modelling for future fisheries and ecosystem management applications. Emerging technologies, machine learning and big data - Concurrent Session 3 – Friday, 24 September.

Tanner, Susanne (Mare - Marine and Environmental Sciences Centre). Integrated approach to evaluate movement and population dynamics of meagre (*Argyrosomus regius*). Emerging technologies, machine learning and big data (On-demand).

Tuck, Geoff (CSIRO). Automated identification of seabird bycatch events from on-vessel electronic monitoring cameras. Emerging technologies, machine learning and big data - Concurrent Session 2 – Friday, 24 September.

Wang, Dadong (CSIRO). Boat to Plate: Automated fish species identification and tagging for seafood provenance and traceability. Emerging technologies, machine learning and big data - Concurrent Session 2 – Friday, 24 September.

Weir, Jessica (Ball State University). Invasion Superhighways: How lake tourism paves the way for aquatic invasions. Emerging technologies, machine learning and big data - Concurrent Session 1 – Friday, 24 September.

West, Phil (Siren Cameras Pty Ltd). Siren Fishing Camera (Australian Patent No. 2018301903). Providing groundbreaking visuals of Recreational Fishing experiences, and Big Data insights of Fishery Health within Coastal Waters. Emerging technologies, machine learning and big data - Concurrent Session 3 – Friday, 24 September.

Widyatmoko, Ahmad (The University of Tasmania). Applications of an Artificial Intelligence (AI) and an Electronic Monitoring (EM) System in Small-scale Tuna Fishery Data Collection. Emerging technologies, machine learning and big data - Concurrent Session 3 – Friday, 24 September.

Zimmermann, Meryl (University of Perpignan Via Domitia). The RESMED project: from scientific research to local application for sustainable management and fisheries (Poster presentation).

Future of fisheries

Bulatov, Oleg (Russian Federal Research Institute of Fisheries and Oceanography (VNIRO)). Long-range fishery forecasts in Russia: present state and prospects. Future of fisheries (On-demand).

Currey, Rohan (Marine Stewardship Council). The evolving role of standards and certification in sustainable fisheries. Future of fisheries (On-demand).

Francis, Tessa (University of Washington Tacoma). Rapid Adaptive Management: A Vision for Fisheries Science and Management in 2050. Future of fisheries - Concurrent Session 2 – Friday, 24 September.

Longo, Catherine (Marine Stewardship Council (MSC)). Are market incentives changing fisheries around the world? Lessons from field-testing the Marine Stewardship Council program. Future of fisheries - Concurrent Session 2 – Friday, 24 September.

Rose, Kenneth (Horn Point Lab - Umces). Trust in Fisheries Science: Hard to Earn, Easy to Lose, Impossible to Regain. Future of fisheries - Concurrent Session 3 – Wednesday, 22 September.

Siple, Margaret (NOAA Alaska Fisheries Science Center). The mundane and the magical: how will we approach fisheries science differently in 2050? Future of fisheries - Concurrent Session 2 – Friday, 24 September.

Stephenson, Robert (Fisheries and Oceans and University of New Brunswick, Canada). Auditing human activities in the ocean: how will fisheries be managed in 2050? Future of fisheries - Concurrent Session 2 – Friday, 24 September.

Yaxley, Belinda (Global Seafood Alliance). Seafood Stewardship in Australia and Beyond – the evolution of Global Seafood Alliance. Future of fisheries - Concurrent Session 3 – Wednesday, 22 September.

Integration of Genomics in fisheries management and aquaculture

Berg, Florian (Institute of Marine Research). How can genetics be used for population discrimination of herring? A comparison of methods to discriminate spring and autumn spawners. Integration of genomics in fisheries management and aquaculture (On-demand).

Bernatchez, Louis (Université Laval). Population genomics of the capelin (*Mallotus villosus*) in the Northwest Atlantic: relevance to fisheries. Integration of genomics in fisheries management and aquaculture (On-demand).

Bravington, Mark (CSIRO). Kin-finding and genotyping for Close-Kin Mark-Recapture. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Tuesday, 21 September.

Brodie, Christopher (Liverpool John Moores University). A Net with No Holes; A novel approach to marine monitoring and ecosystem assessment by combining eDNA with hydroacoustics. Integration of genomics in fisheries management and aquaculture -Concurrent Session 1 – Tuesday, 21 September.

Cordova-Alarcon, Valentina (Universidad de Chile). Genetic structure of the red cusk-eel (*Genypterus chilensis*), a tool for fisheries management in the Chilean coast (Poster presentation).

Cordova-Alarcon, Valentina (Universidad de Chile). Global phylogeographic study of pink ling (*Genypterus blacodes*) from an integrative perspective (Poster presentation).

Cusa, Marine (University of Salford). Authentication of Atlantic cod product point-of-origin in the European market. Integration of genomics in fisheries management and aquaculture (On-demand).

Deagle, Bruce (CSIRO - National Fish Collection). Using DNA metabarcoding to better understand trophic interactions: case studies relevant to fish and fisheries. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Tuesday, 21 September.

Devloo-Delva, Floriaan (CSIRO). Genetic sex identification in elasmobranchs. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Elliott, Vittoria (Worldfish). Environmental DNA and SNPs: essential tools for Sustainable Fisheries in the Mekong. Integration of genomics in fisheries management and aquaculture (On-demand).

Ferchaud, Anne-Laure (Laval University). A compendium of novel technologies from sequencing to statistical analyses clarifies fine-scale population structure and evolutionary genomics of a marine exploited fish species. Integration of genomics in fisheries management and aquaculture (On-demand).

Goh, Bill (University of Adelaide). Uncovering fish population structure and connectivity: A genomic foundation for a multi-method approach. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Grewe, Peter M. (CSIRO Oceans & Atmosphere). Global SNPshot Contrasting Population Structure and Connectivity of Four Key Tuna species (Albacore, Bigeye, Skipjack, and Yellowfin) fished in the Atlantic, Indian and Pacific Oceans. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Henriques, Romina (DTU Aqua / University of Pretoria). Worldwide retrospective genomic analyses of shortfin mako (*Isurus oxyrinchus*) reveals complex patterns of population sub-structuring. Integration of genomics in fisheries management and aquaculture (On-demand).

Jasonowicz, Andrew (International Pacific Halibut Commission). Population genomics of Pacific halibut (*Hippoglossus stenolepis*) and the development of single nucleotide polymorphism panels to inform management and conservation. Integration of genomics in fisheries management and aquaculture (On-demand).

Maggini, Sara (Bangor University). Integrating genetic structure with stock definitions of commercial marine fish species. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Tuesday, 21 September.

Miller, Adam (Deakin University). Using genomics to gain insights into fisheries resilience in rapidly changing environments: Australian blacklip abalone as a case study. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Wednesday, 22 September.

Moore, Andy (ABARES). A perfect storm of genetic drift and divergence may prevent the rebuilding of the gemfish (*Rexea solandri*) stock on the east Australian coast. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Morgan, Jess (Queensland Government). The jig is up for Aussie squid fisheries; DNA reveals the truth about Uroteuthis. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Muñoz-abril, Laia (Universidad Estatal Península De Santa Elena). Lack of genetic differentiation among yellowfin tuna sampled from the Eastern Pacific Ocean as revealed by high throughput ddRAD sequencing: conservation implications between Ecuador and Mexico. Integration of genomics in fisheries management and aquaculture (On-demand).

Pereda-Agirre, Iker (Azti). Setting the scene for the application of CKMR for Atlantic fisheries. Integration of genomics in fisheries management and aquaculture (On-demand).

Planas, Josep (International Pacific Halibut Commission). Development of genomic resources for the Pacific halibut (*Hippoglossus stenolepis*) to assist in population biology studies informing fisheries

management. Integration of genomics in fisheries management and aquaculture - Concurrent Session 2 – Tuesday, 21 September.

Primmer, Craig (University of Helsinki). Rapid evolution in salmon life-history induced by direct and indirect effects of fishing. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Wednesday, 22 September.

Rodriguez-Ezpeleta, Naiara (AZTI). Fisheries management in the genomics era: what have we learned so far? Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Wednesday, 22 September.

Saha, Atal (Stockholm University). Hierarchical genetic structure revealed by ddRAD sequencing of *Sebastes mentella*. Integration of genomics in fisheries management and aquaculture (On-demand).

Strugnell, Jan (James Cook University). Using genetics and oceanographic modelling to investigate connectivity of rock lobsters across ocean basins. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Tuesday, 21 September.

Walter, John (NOAA Fisheries, SEFSC). Close-kin mark recapture for estimating Western Atlantic Bluefin tuna population size. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Wednesday, 22 September.

Wilkes Walburn, Jackson (NSW Department of Primary Industries - Fisheries). FishGen: genomic monitoring of stocking for native fisheries in the Murray-Darling Basin, Australia. Integration of genomics in fisheries management and aquaculture - Concurrent Session 1 – Tuesday, 21 September.

Supply chains, traceability and marketing

Araneda, Cristian (Universidad de Chile). Development of barcoding technology for the identification of commercial clams species from Chile. Supply chains, traceability and marketing (On-demand).

Barkai, Amos (OLSPS). SharkTrace: A supply chain traceability method and mobile application for tracing shark products in the seafood supply chain. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Bezabih, Kidanie Misganaw (University of Gondar, Ethiopia). Fish Market Chain in Rift Valley Lakes and Lake Tana, Ethiopia (Poster presentation).

Cubillo, Beau (Monash University). An Aboriginal perspective of the nutritional health and wellbeing benefits of seafood. Supply chains, traceability and marketing - Concurrent Session 4 – Friday, 24 September.

Cusa, Marine (University of Salford). Where did my seafood come from? A point-of-origin framework for using DNA fingerprinting and stable isotopes to verify provenance claims. Supply chains, traceability and marketing - Concurrent Session 2 – Wednesday, 22 September.

De Sousa, Emily (University of Guelph). Alternative seafood networks during COVID-19: Implications for resilience and sustainability. Supply chains, traceability and marketing - Concurrent Session 2 – Wednesday, 22 September.

Fonseca, Vanessa (MARE – Marine and Environmental Sciences Centre). Traceability of fish species from estuarine systems via tissue elemental profiling. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Fonseca, Vanessa (MARE – Marine and Environmental Sciences Centre). Integrating natural tags to track seafood provenance. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Gopi, Karthik (The University of New South Wales). Ensuring compliance using isotopic-elemental fingerprinting of barramundi (*Lates calcarifer*) to determine provenance. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Hidalgo, Marcelo (Fishing Industry Association of Papua New Guinea). The Integrated Fisheries Information Management System - A comprehensive and revolutionary traceability system. Supply chains, traceability and marketing (On-demand).

Larraín, María - Angélica (Universidad de Chile). From Ocean to Fork: Challenges in DNA routine analysis for authenticity in *Mytilus* genus. Supply chains, traceability and marketing (On-demand).

Lindley, Jade (The University of Western Australia). Seafood fraud: regulation and responses. Supply chains, traceability and marketing - Concurrent Session 2 – Wednesday, 22 September.

Pascoe, Sean (CSIRO Oceans and Atmosphere). Impact of imports and farmed salmon on domestic wild caught fish species in Australia. Supply chains, traceability and marketing - Concurrent Session 2 – Wednesday, 22 September.

Rahman, Md. Mizanur (Associate Professor, PSTU, Bangladesh). Differentiation of fresh and frozen-thawed fish fillets using fluorescence excitation-emission matrix. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Scadding, Cameron (Source Certain International). Does Provenance Matter? Moving Seafood Supply Chains Toward Transparency. Supply chains, traceability and marketing - Concurrent Session 1 – Friday, 24 September.

Speed talk competition

Baillargeon, Gabrielle (Roger Williams University). Speed Talks Presenter. Speed Talk Competition - Session.

Bolin, Jessica (University of The Sunshine Coast). Speed Talks Presenter. Speed Talk Competition - Session.

Durante, Erica (University of South Australia). Speed Talks Presenter. Speed Talk Competition - Session.

Farzadkhoo, Maryam (University of New South Wales). Speed Talks Presenter. Speed Talk Competition - Session.

Kitolelei, Salanieta (The University of the South Pacific). Speed Talks Presenter. Speed Talk Competition - Session.

Nesa, Nur Un (James Cook University). Speed Talks Presenter. Speed Talk Competition (On-demand).

Nien, Yu-Ling (National Taiwan Ocean University). Speed Talk Competition (On-demand).

Sedanza, Mary Grace (Nagasaki University). Speed Talks Presenter. Speed Talk Competition - Session.

Video competition

Aquino, Jon Irish Legaspi (College of Public Health, Medical, and Veterinary Sciences, James Cook University). Interspecificity of the Redclaw (*Cherax quadricarinatus*) Industry: The Importance of Sperm Quality and Male Fertility to Productivity. Video Competition (On-demand).

Bossier, Sieme (DTU Aqua). The effects of climate change & nutrient input on the Baltic Sea ecosystem. Video Competition (On-demand).

Coussau, Lola (Université Du Quebec À Rimouski). The redfish - *Sebastes mentella* - Gulf of St. Lawrence Canada. Video Competition (On-demand).

Cusa, Marine (University of Salford). Traceability of Seafood. Video Competition (On-demand).

Douglas, Christopher (University of Western Australia). Diel and Depth Patterns in Fish and Invertebrates Along a Subsea Pipeline. Video Competition.

Ferrari Ramalho, Debora Cristina (Fisheries Ecosystems Laboratory - Oceanographic Institute USP). Policy and governance fisheries sustainability. Video Competition.

Hua, Qiaz (University of Adelaide). Krakening the Case of Climate Change. Video Competition.

Klein Lankhorst, Mariëlle (University of Technology Sydney). Stories of South Australia's Marine Scale Fishers Selling Seafood Directly. Video Competition.

Labatt, Chepkemboi (Ulster University). Marine Cultural Heritage of East Africa for Sustainable Development. Video Competition.

Nesa, Nur Un (James Cook University). Understanding Embryo Quality. Video Competition.

Panero, Marta (James Cook University). Gorgonians as ecological engineers for marine fishes and invertebrates on coral reefs. Video Competition.

Prasetyo, Andhika (The University of Salford). Indonesian & Sharks. Video Competition.

Roberson, Leslie (University of Queensland). Endangered Menu. Video Competition.

Sedanza, Mary Grace (Nagasaki University). The Sticky Story of Oysters. Video Competition.

Wootton, Nina (University of Adelaide). Microplastics in Australian fish and invertebrates. Video Competition.

Appendix 3 Sponsors and exhibitors

Foundation sponsor

- Government of South Australia (PIRSA, SARDI)
- Adelaide Convention Bureau
- Adelaide Convention Centre
- Fisheries Research & Development Corporation (FRDC)

Premium Congress Sponsor

- Commonwealth Scientific and Industrial Research Organisation (CSIRO)
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- Australian Government – Australian Fisheries Management Authority

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- Australian Society for Fish Biology (ASFB)

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- Minderoo Foundation
- Queensland Government - Department of Agriculture & Fisheries QLD

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- BDO Adelaide
- The Government of New South Wales - Department of Primary Industries
- The University of Adelaide – Environment Institute
- US Geological Survey, National Climate Adaption Science Center
- Victoria Fisheries
- Western Australian Government - Department of Primary Industries and Regional Development (DPIRD)

Session Sponsor

- Fisheries New Zealand (sponsored four sessions)
- John Wiley & Sons Ltd
- Minderoo Foundation
- National Institute of Water & Atmospheric Research Ltd (NIWA)
- Northern Territory Government – Northern Territory Department of Industry, Tourism & Trade
- Queens University Belfast / Fisheries Society for the British Isles (FSBI)
- Seafood New Zealand

- Victorian Fisheries Authority

Student Competitions Award Sponsor

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- Fisheries Research and Development Corporation (FRDC)
- Harry Butler Institute, Murdoch University

Media Partner

- Environment Coastal & Offshore (ECO) Magazine & News
- Journal of Fish Biology

Online Satchel Insert

- Alltech Lienert Australia

Virtual Exhibitors

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- Australian Government – Australian Fisheries Management Authority
- Australian Maritime Safety Authority
- Australian Society for Fish Biology (ASFB)
- BDO Adelaide
- Commonwealth Scientific and Industrial Research Organisation (CSIRO)
- Environment Coastal & Offshore (ECO) Magazine & News
- Fish Path - The Nature Conservancy
- Fisheries New Zealand
- Fisheries Research and Development Corporation (FRDC)
- Government of South Australia – (PIRSA, SARDI)
- Government of South Australia – Department of Trade and Investment
- Harry Butler Institute, Murdoch University
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- Victorian Fisheries Authority
- Western Australian Government – Department of Primary Industries and Regional development (DPIRD)
- Women in Seafood Australasia



WORLD FISHERIES CONGRESS

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SPONSORSHIP & EXHIBITION PROSPECTUS



Welcome	2
Contact us	2
About the Congress	3
Why Sponsor and Exhibit	4
Our Commitment to You	5
Congress Venue	6
Congress Program Overview	7
Congress Sponsorship Packages Overview	8
Congress Sponsorship Packages	9
Congress Function Sponsorship Packages	13
Congress Support Sponsorship Packages	15
Exhibition Sponsorship Packages	20
Congress Exhibitor Packages	23
Sponsor and Exhibition Application Form	27
Sponsorship and Exhibition Contract Terms and Conditions	28

WELCOME

The World Fisheries Congress will be held in Adelaide, Australia from 20-24 September 2021.

The Congress theme is "Sharing our oceans and rivers – vision for the world's fisheries". Our aim is to have a diverse, exciting and broad reaching Congress to showcase the world's commercial, recreational and indigenous fisheries. The Congress will advance and promote international developments, demonstrate new research and technologies, and foster cooperation and engagement in fisheries science, conservation and management. With increasing pressures from fishing and non-fishing activities in an ever crowded environment, the Congress will provide the key forum for identifying the critical developments needed over the coming decades to ensure the world's oceans, estuaries, lakes and rivers are managed sustainably for the benefit of current and future generations.

On behalf of the Congress Steering Committee, I welcome you to be part of this exciting opportunity to engage in these critical discussions and showcase and promote your business on the world fisheries stage.

Prof Gavin Begg
Chair, World Fisheries Congress 2021

CONTACT US

For all sponsorship and exhibition queries, or for any other Congress matter, please contact:

All Occasions Group
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About

ABOUT THE CONGRESS

Held every four years, the 8th World Fisheries Congress 2021 (WFC2021) will be the largest gathering of the research, industry and management sectors to discuss the latest advances in fisheries worldwide.

WFC2021 is the key international fisheries conference.

WFC2021 will also be the largest showcase of fisheries science ever held in Australia, New Zealand and the broader Pacific region, where the region is home to an array of marine and freshwater habitats extending from the tropics to the Antarctic. Supporting large wild catch fisheries, modern post-harvest enterprises and vibrant recreational, charter and indigenous fisheries, the region is at the forefront of scientific assessment and management of fisheries and aquatic ecosystems.

The WFC2021 will be hosted on behalf of the Australian Society for Fish Biology (ASFB) and the broader Australian and New Zealand seafood industry.

1,500+
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WHY SPONSOR AND EXHIBIT

The 2021 World Fisheries Congress will bring together over 1,500 stakeholders – including the best researchers, key industry sectors and the world's largest and most influential marine science agencies.

The Congress offers you the opportunity to connect with, and showcase your company with this large and diverse international audience.

Participating as a sponsor or exhibitor will provide you with the opportunity to deliver your message directly to your key stakeholders and demonstrate your support and products to the researchers and fishing and aquaculture industries.

In 2021, the goal for the Congress Organising Committee is to bring together more delegates from the full range of industries and disciplines that work in the marine or aquatic environments. Attendees from around the globe will include fisheries scientists and managers, commercial, recreational and indigenous fishers, students and educators, and other interested stakeholders.

The WFC2021 is aiming for attendance from 1500+ delegates from around the world,

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THE CONGRESS CAN PROVIDE YOUR ORGANISATION WITH:



<p>Maximum exposure at the premier international fisheries science, management and industry Congress</p>		<p>Access to a broad network of industry partners from the public and private sectors</p>	
<p>The opportunity to demonstrate your company's commitment to the industry</p>		<p>Opportunity to present your latest innovations and new products or services to a pertinent audience</p>	
<p>An opportunity to build and reinforce strategic relationships</p>		<p>Showcase your expertise and capabilities, and educate the industry</p>	
<p>Time to network with industry colleagues and key decision makers</p>		<p>Increased marketing opportunities including visibility on the Congress website and associated marketing materials</p>	
<p>A cost effective way to reinforce your organisation's brand and build brand awareness amongst a relevant audience</p>		<p>The chance to affiliate your brand with a unique and dynamic Congress Package</p>	

Commitment levels vary and can be tailored to suit your marketing strategies.

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Commitment to our sponsors and exhibitors will begin from the time you confirm.

- Maximising the exposure of your sponsorship by ensuring that your logos appear promptly on the Congress website and brochures as per your package
- Ongoing point of contact with our Congress organiser, All Occasions Group, with support from dedicated members of the Congress Steering Committee
- Prompt response to your queries
- Clear and timely information in regards to your sponsorship and exhibition package and the logistics of putting the benefits into action

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CONGRESS VENUE



The Adelaide Convention Centre is a centre transformed - The recent expansion has seen it emerge as Australia's most flexible and technologically advanced convention centre.

A striking landmark on Adelaide's Riverbank, the Centre comprises three independent yet seamlessly integrated buildings: East, Central and West. Each building takes advantage of their prime positioning on the River Torrens, providing plenty of natural light and panoramic views of the river to deliver a heightened sense of destination.

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HYBRID CONGRESS PROGRAM

The 2021 World Fisheries Hybrid Congress will promote a dynamic and contemporary program that will include a mixture of keynote presentations, dedicated sessions, and lively discussions and debate on the challenges that impact global fisheries.

The Exhibition Hall will be a focal meeting point for the Congress; providing a place for delegates to meet face-to-face or online and sponsors and exhibitors to showcase their business.

The Welcome Reception, daily lunch, morning and afternoon tea breaks, and Congress posters will be held/displayed in the Exhibition Hall, allowing Exhibitors a generous amount of time over the 5 days of the congress to network. For our virtual delegates this will offer the opportunity to schedule appointments with exhibitors or even peruse the Exhibition Hall at their leisure. The program will conclude with the Congress Dinner providing a final opportunity to network.

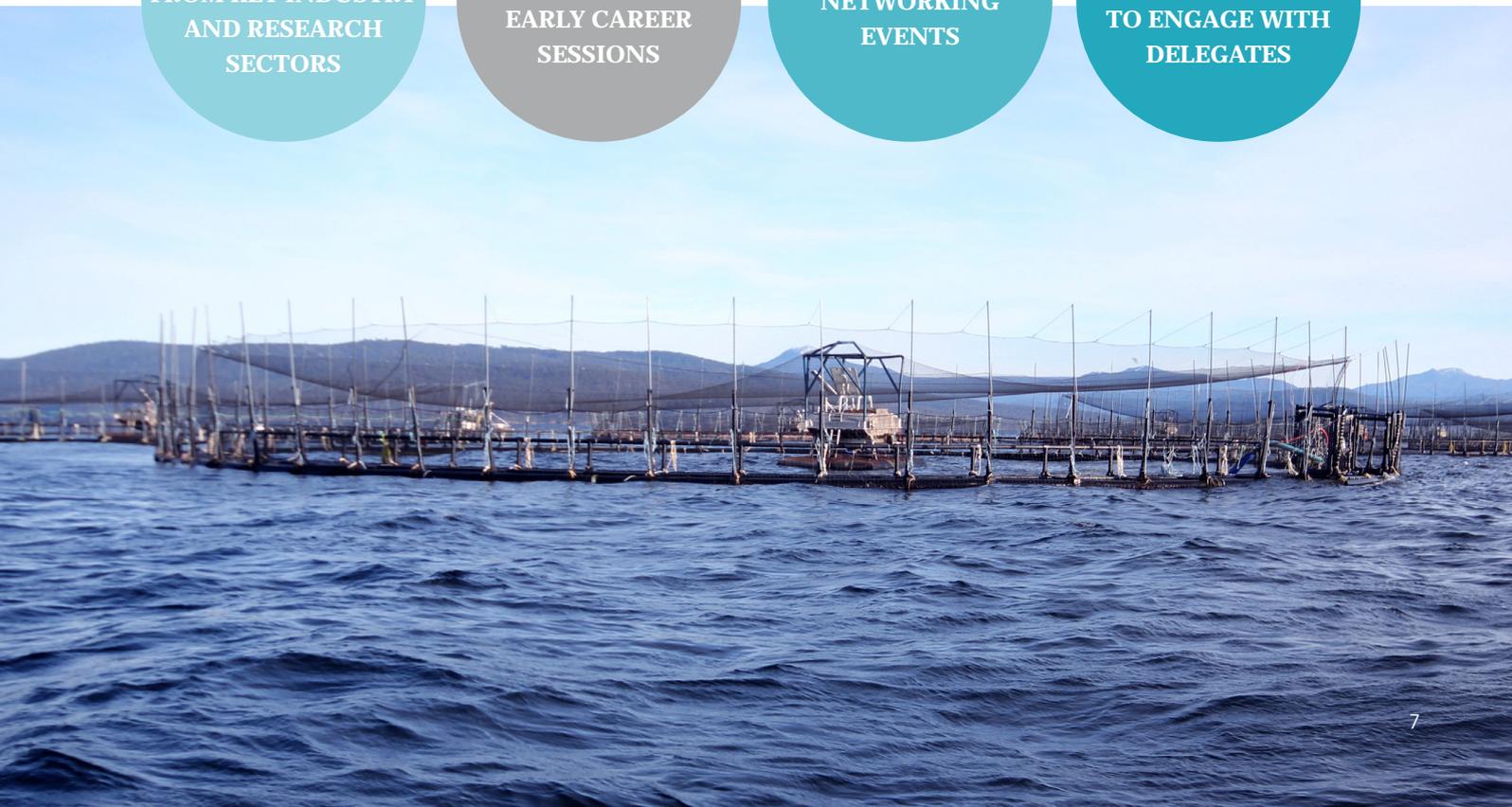
Further details will be released as we approach the event.

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The Steering Committee would like to acknowledge the support being offered by our Foundation Congress Sponsors – The South Australian Government and the Fisheries Research and Development Corporation (FRDC) on behalf of the Australian Government.



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FRDC

LIMIT OF 2

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- 2 x shell scheme exhibition booths (3x3m) in a prominent position. Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology

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- 4 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

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- Opportunity to give a 5 minute presentation at the opening of one of the keynote presentations or specific session (if desired)
- Your corporate signage displayed on the main stage in the plenary room. Free standing banner to be supplied by sponsor.
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- 2 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Logo and Company profile featured in Congress printed and electronic program materials
- Logo displayed on the Congress website with Company profile and hyperlinked to your company website
- Sponsorship announcement on Social Media Platforms
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as a Major Congress Sponsor during the Congress

LARGEST
SCIENTIFIC AND
FISHING EQUIPMENT
TRADESHOW IN
AUSTRALIA

MULTIPLE
OPPORTUNITIES

CONGRESS SPONSOR

\$10,000 EX GST

EXHIBITION

MARKETING AND PROMOTION

As a Congress Sponsor you will receive the following entitlements:

- 1 x shell scheme exhibition booth (3x3m) in a prominent position. Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology
- Logo featured in any Congress printed and electronic program materials
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as a Congress Sponsor during the Congress

SHOWCASING
COMMERCIAL,
RECREATIONAL &
INDIGENOUS
FISHERIES



MULTIPLE
OPPORTUNITIES

MARKETING AND
PROMOTION

CONGRESS SUPPORT SPONSOR

\$5,000 EX GST

As a Congress Support Sponsor you will receive the following entitlements:

- Logo featured in any Congress printed and electronic program materials
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as a Congress Support Sponsor during the Congress



EXCLUSIVE
OPPORTUNITY

CONGRESS DINNER SPONSOR

\$50,000 EX GST

As the Congress Dinner Sponsor your organisation will be the host of the Congress closing dinner to be held at the Adelaide Convention Centre.

You will receive the following entitlements:

EXHIBITION BOOTH

- 1 x shell scheme exhibition booth (3x3m) in a prominent position. Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology

REGISTRATION AND SOCIAL FUNCTIONS

- 4 x delegate registrations (includes all sessions, morning and afternoon, tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)
- VIP allocated seating

MARKETING AND PROMOTION

- Opportunity to give a 5 minute presentation during the event
- Your corporate signage displayed during the function. Free standing banner to be supplied by sponsor.
- Logo displayed on all communication relating to the dinner
- Logo and Company name featured in social media posts related to the dinner by Congress organisers
- Opportunity to purchase and design a social media profile filter for use by delegates during the dinner featuring your company logo
- Logo featured in Congress printed and electronic program materials
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- Logo and advertisement printed on the dinner menus
- Acknowledgement as the Congress Dinner Sponsor during the Congress

EXCLUSIVE
OPPORTUNITY

WELCOME RECEPTION SPONSOR

\$25,000 EX GST

A Welcome Reception will be held for all delegates of the Congress. As the Welcome Reception Sponsor you will receive the following entitlements:

EXHIBITION

- 1 x shell scheme exhibition booth (3x3m) in a prominent position. Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology

REGISTRATION AND SOCIAL FUNCTIONS

- 2 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Opportunity to give a 5 minute presentation during the event
- Your corporate signage displayed at the event. Free standing banner to be supplied by sponsor.
- Logo featured in Congress printed and electronic program materials
- Logo and Company name featured in social media posts related to the dinner by Congress organisers
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as the Welcome Reception Sponsor during the Congress

EXCLUSIVE
OPPORTUNITY

DELEGATE SACHEL SPONSOR

\$25,000 EX GST

Each delegate attending the Congress will receive a satchel printed with your company logo that will include the Congress program and other information. The satchel is a valued event souvenir, which will be re-used by delegates long after the Congress.

MARKETING AND PROMOTION

- Logo featured in conjunction with the Congress logo on the satchel
- Logo featured in Congress printed and electronic program materials
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as the Delegate Satchel Sponsor during the Congress



EXCLUSIVE
OPPORTUNITY

MARKETING AND
PROMOTION

EXCLUSIVE
OPPORTUNITY

MARKETING AND
PROMOTION

CONGRESS APP SPONSOR

\$15,000 EX GST

The Congress app will be in the hands of all delegates. The app will be available on all iPhones, android and mobile devices. The Congress app provides delegates with access to the program, exhibitor listings and contacts and much more.

The Congress App Sponsor will receive the following entitlements:

- Sole branding of the Congress app
- Logo featured in Congress printed and electronic program materials
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers
- Acknowledgement as the Congress App Sponsor during the Congress

DELEGATE GIFT SPONSOR

\$10,000 EX GST

Each delegate attending the Congress will receive a gift displaying your company logo.

The Delegate Gift Sponsor will receive the following entitlements:

- Logo displayed on delegate gift (subject to printing deadlines). Gift to be negotiated with the Congress Steering Committee. Gift to be supplied by the sponsor.
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Logo on Congress promotional material including signage displayed at the venue through the Congress

EXCLUSIVE
OPPORTUNITY

WI-FI SPONSOR

\$10,000 EX GST

Help delegates stay connected by sponsoring the Wi-Fi connection, reliable Wi-Fi at events is a critical must-have productivity tool that will be utilised by everyone in attendance.

MARKETING AND
PROMOTION

- Full page colour advertisement, to appear alongside the Congress Wi-Fi information in the Congress Pocket Program booklet
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- 1 x satchel insert, item to be approved by the Congress organisers

EXCLUSIVE
OPPORTUNITY

LANYARD SPONSOR

\$10,000 EX GST

This is an exclusive opportunity. The Lanyard Sponsor will have the opportunity to provide your own branded lanyards to the Congress. Lanyards will be worn by all participants of the Congress including Delegates, Sponsors and Exhibitors.

You will also receive:

MARKETING AND
PROMOTION

- Logo printed on all lanyards alongside Congress logo. Final design to be approved by the Congress Steering Committee.
- Logo printed on name badges
- Logo displayed on the Congress website and hyperlinked to your company website
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo featured in Congress printed and electronic program materials
- Logo on all Congress promotional material including signage displayed at the venue through the Congress

EXCLUSIVE
OPPORTUNITY

POCKET PROGRAM SPONSOR

\$10,000 EX GST

This is a unique opportunity to reinforce your brand to all delegates during the Congress. The pocket program is a valuable reference tool which is used by all participants during and after the Congress.

MARKETING AND PROMOTION

- Full page colour advertisement (outside back cover) and logo featured on front cover in the Congress Pocket Program booklet
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Acknowledgement as the Pocket Program Sponsor during the Congress

EXCLUSIVE
OPPORTUNITY

WATER BOTTLE SPONSOR

\$10,000 EX GST

A drink bottle branded with your company logo to be distributed to each delegate upon registration.

MARKETING AND PROMOTION

- Choice of branded bottle of water or branded drink bottle. Final design to be approved by the Congress Steering Committee. Water bottle to be supplied by the sponsor.
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Logo on Congress promotional material including signage displayed at the venue through the Congress
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.

MULTIPLE
OPPORTUNITIES

KEYNOTE SPEAKER/SESSION SPONSOR

\$5,000 EX GST

As a Keynote Speaker/Session Sponsor your company name will be associated with one of the main plenary speakers or sessions within the Congress Program.

Each Keynote Speaker or dedicated session brings something new to the Program to share with the audience. This can be motivational, educational or a life changing experience.

MARKETING AND PROMOTION

- Your corporate signage prominently displayed in the allocated room during the session. Free standing banner to be supplied by sponsor.
- Your company name associated with all promotion of the session including in the electronic and printed program
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed on holding slides of the speakers session
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- 1 x satchel insert, item to be approved by the Congress organisers

MULTIPLE
OPPORTUNITIES

SATCHEL INSERT SPONSOR

\$1,500 EX GST

Satchel Insert Sponsors of the Congress will receive the following. An insert will be no larger than two A4 pages stapled together and costs of production are the responsibility of the sponsor.

- 1 x satchel insert, item to be approved by the Congress organisers

LIMIT OF 2

BARISTA SPONSOR

\$20,000 EX GST

REGISTRATION AND SOCIAL FUNCTIONS

- 2 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Your corporate signage prominently displayed at the Barista Coffee Cart. Free standing banner to be supplied by sponsor.
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Logo within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- Logo displayed on Congress holding slides at the Congress
- Opportunity to supply brand cups at sponsors own expense



EXCLUSIVE
OPPORTUNITY

EXHIBITION LOUNGE SPONSOR

\$20,000 EX GST

The Exhibition Lounge will be one of the focal points of the Exhibition. The Lounge will be a great place for delegates to network, relax and provide a unique space to do business. The package will include furniture - the sponsor will have the opportunity to brand and add signage to complete the area at their own expense.

EXHIBITION

- Exclusive sponsorship and naming rights to the lounge with the opportunity to brand the area and place collateral (branding and collateral at the Partners expense)

REGISTRATION AND SOCIAL FUNCTIONS

- 2 x delegate registrations (includes all sessions, morning tea and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Your corporate signage prominently displayed at the Exhibition Lounge. Free standing banner to be supplied by sponsor.
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo featured in Congress printed and electronic program materials
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Logo displayed on Congress holding slides at the Congress
- Logo displayed on within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.
- 1 x satchel insert, item to be approved by the Congress organisers

Exhibition

PROMOTING THE
LATEST ADVANCES
IN FISHERIES
WORLDWIDE

EXCLUSIVE
OPPORTUNITY

WELLBEING SPONSOR

\$10,000 EX GST

The Wellbeing Zone within the Exhibition hall is the perfect place for delegates to visit for those relaxing few moments before they get back to sessions. A great incentive to attract delegates, where you can have a quick chat to them as they wait their turn. Increase the exposure of your products and services through with this relaxing and unique sponsorship.

REGISTRATION AND SOCIAL FUNCTIONS

- 1 x delegate registration (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Your corporate signage prominently displayed at the Wellbeing Zone. Free standing banner to be supplied by sponsor.
- Logo displayed on the Congress website and hyperlinked to your company website
- Logo and Company profile featured in Congress printed and electronic program materials
- Logo on all Congress promotional material including signage displayed at the venue through the Congress
- Listed within the Congress app with Company profile, website and contact details. Details to be supplied by sponsor.

CONGRESS
EXHIBITOR
PACKAGES

Exhibit



PREMIUM CONGRESS EXHIBITOR PACKAGE

\$30,000 EX GST

EXHIBITION BOOTH

9m x 9m Exhibition booth or floor space

- 9m x 9m Exhibition Floor space in a prime location
- Option to access Delegate Lead Capture technology

REGISTRATION AND SOCIAL FUNCTIONS

- 6 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Listed as a Premium Congress Exhibitor on the Congress website and hyperlinked to your company website
- Listed as a Premium Congress Exhibitor in any printed and electronic program materials
- Listed as a Premium Congress Exhibitor in Congress App with company contact information

ENGAGE WITH
MAJOR PURCHASERS
OF SCIENTIFIC,
FISHING AND
AQUACULTURE
EQUIPMENT



MAJOR CONGRESS EXHIBITOR PACKAGE

\$16,000 EX GST

6m x 6m Exhibition floor space

EXHIBITION BOOTH

- 6m x 6m Exhibition Floor space in a prime location
- Option to access Delegate Lead Capture technology

REGISTRATION AND SOCIAL FUNCTIONS

- 4 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Listed as a Major Congress Exhibitor on the Congress website and hyperlinked to your company website
- Listed as a Major Congress Exhibitor in any printed and electronic program materials
- Listed as a Major Congress Exhibitor in Congress App with company contact information

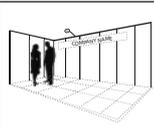
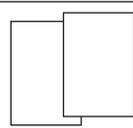
6 X 3M CONGRESS EXHIBITOR PACKAGE

\$10,000 EX GST

6m x 3m Exhibition booth or floor space

EXHIBITION BOOTH

- 2 x shell scheme exhibition booths (3x6m). Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology

				
6m x 3m booth	Octaboard white wall paneling 2.5m	Fascia sign	Two 150 watt spotlights	One standard power feed (Max 5 amps loading)

REGISTRATION AND SOCIAL FUNCTIONS

- 2 x delegate registrations (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Listed on the Congress website and hyperlinked to your company website
- Listed in Congress printed and electronic program materials
- Listed in Congress App with company contact information

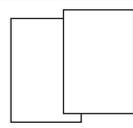
3 X 3M CONGRESS EXHIBITOR PACKAGE

\$6,000 EX GST

3m x 3m Exhibition booth or floor space

EXHIBITION BOOTH

- 1 x shell scheme exhibition booth (3x3m). Should you have a custom stand the equivalent floor space will be provided.
- Option to access Delegate Lead Capture technology

				
3m x 3m booth	Octaboard white wall paneling 2.5m	Fascia sign	Two 150 watt spotlights	One standard power feed (Max 5 amps loading)

REGISTRATION AND SOCIAL FUNCTIONS

- 1 x delegate registration (includes all sessions, morning and afternoon tea breaks, lunches, access to exhibition, Welcome Reception and Congress Dinner)

MARKETING AND PROMOTION

- Listed on the Congress website and hyperlinked to your company website
- Listed in Congress printed and electronic program materials
- Listed in Congress App with company contact information

FLOOR PLAN

The floor plan will be released closer to the event date. Booth allocation will be done in order of sponsorship priority and then in order of acceptance form received.

Please contact
All Occasions Group
if you would like
to discuss larger
Exhibition space

sponsorship@aomevents.com

EXHIBITION POD PACKAGE

\$3,300 EX GST

The Exhibition POD offers the opportunity to have a presence at the 2020 World Fisheries Congress.

EXHIBITION

- 1 x 3 x 2 exhibition pod
- 1 x Large central digital print (Exhibitor to supply artwork)
- 2 x Side digital prints (Exhibitor to supply artwork)
- 1 x lockable Beaumont counter with graphic on front panel
- 1 x Wayville Pop Up brochure stand
- 1 x Highgate stool
- Access to Lead capture scanning

REGISTRATION AND SOCIAL FUNCTIONS

- 1 x delegate registration (includes morning and afternoon tea breaks, lunches, access to exhibition, dinner ticket and welcome reception)

MARKETING AND PROMOTION

- Listed on the Congress website
- Listed in any Congress printed or electronic program materials
- Listed in the Congress app



MULTIPLE
OPPORTUNITIES

VIRTUAL PARTNER OFFER

\$2,200 EX GST

Virtual opportunities are an ideal consideration if you are unable to attend in person given the ever-changing health conditions. These packages, hybrid or virtual, still allow your message and brand exposure to be prominent at the Congress and subsequently be involved with delegates both locally and internationally!

Virtual Exhibition

1 x virtual exhibition space exposure includes:

- Organisation company logo placement on website and platform (high res)
- Organisation Company profile on virtual platform (250 words)
- Online link through to website
- Online company contact email (and phone)
- One (1) pdf Downloadable brochure – in place of satchel insert
- Two (2) full online event registrations
- Link to Company promotional video (2 mins max)
- Further exposure on virtual platform of your company after the World Fisheries Congress has concluded (up to 6 months)

... ALLOW YOUR
MESSAGE AND BRAND
EXPOSURE TO BE
PROMINENT AT THE
CONGRESS ...

SPONSOR AND EXHIBITION APPLICATION FORM



**WORLD FISHERIES
CONGRESS**
ADELAIDE • AUSTRALIA

**20-24
SEPTEMBER
2021**

All prices are listed in AUD and Exclude GST

CONTACT PERSON*

*All correspondence will be directed to this person.

First Name	Surname		
<input type="text"/>	<input type="text"/>		
Organisation			
<input type="text"/>			
Position			
<input type="text"/>			
Address			
<input type="text"/>			
Suburb	State	Country	Postcode
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Phone number	Fax number	Mobile number	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
E-mail address			
<input type="text"/>			

CONGRESS SPONSORSHIP PACKAGES (PLEASE TICK PREFERENCE)

- | | |
|--|----------|
| <input type="checkbox"/> Premium Congress Sponsor | \$50,000 |
| <input type="checkbox"/> Major Congress Sponsor | \$30,000 |
| <input type="checkbox"/> Congress Sponsor | \$10,000 |
| <input type="checkbox"/> Congress Support Sponsor | \$5,000 |
| <hr/> | |
| <input type="checkbox"/> Congress Dinner Sponsor | \$50,000 |
| <input type="checkbox"/> Welcome Reception Sponsor | \$25,000 |

- | | |
|---|----------|
| <input type="checkbox"/> Delegate Satchel Sponsor | \$25,000 |
| <input type="checkbox"/> Congress App Sponsor | \$15,000 |
| <input type="checkbox"/> Delegate Gift Sponsor | \$10,000 |
| <input type="checkbox"/> Wi-Fi Sponsor | \$10,000 |
| <input type="checkbox"/> Lanyard Sponsor | \$10,000 |
| <input type="checkbox"/> Pocket Program Sponsor | \$10,000 |
| <input type="checkbox"/> Water Bottle Sponsor | \$10,000 |
| <input type="checkbox"/> Keynote Speaker Presentation Sponsor | \$5,000 |
| <input type="checkbox"/> Satchel Insert Sponsor | \$1,500 |

- | | |
|--|----------|
| <input type="checkbox"/> Barista Sponsor | \$20,000 |
| <input type="checkbox"/> Exhibition Lounge Sponsor | \$20,000 |
| <input type="checkbox"/> Wellbeing Sponsor | \$10,000 |

CONGRESS EXHIBITION PACKAGES (PLEASE TICK PREFERENCE)

- | | |
|--|----------|
| <input type="checkbox"/> Premium Congress Exhibition Package 9 x 9 | \$30,000 |
| <input type="checkbox"/> Congress Exhibition Package 6 x 6 | \$16,000 |
| <input type="checkbox"/> 3x6 Congress Exhibition Package | \$10,000 |
| <input type="checkbox"/> 3x3 Congress Exhibition Package | \$6,000 |
| <input type="checkbox"/> 3x2 Congress Exhibition Pod Package | \$3,300 |
| <input type="checkbox"/> Virtual Exhibition Package | \$2,200 |

I/ WE AGREE TO THE TERMS AND CONDITIONS SET OUT IN THIS CONGRESS SPONSORSHIP AND EXHIBITION PROSPECTUS

Signature

Date

PLEASE RETURN THIS FORM TO:

All Occasions Group
A: 12 Stirling Street, Thebarton, SA 5031
P: 08 8125 2216
E: sponsorship@aomevents.com
W: www.wfc2021.com.au



**All Occasions
Group**

SPONSORSHIP AND EXHIBITION CONTRACT TERMS AND CONDITIONS

These terms and conditions constitute a contract between you ('the Exhibitor/Sponsor') **South Australian Research and Development Institute** (ABN: 53 763 159 658) and **All Occasions Group Pty Ltd** (ABN 44 109 863 514) ('the Congress Organisers') in relation to the sponsorship and/or use of exhibition space at the **World Fisheries Congress** at the Adelaide Convention Centre ('the Venue') in Adelaide, South Australia from 20-24 September 2021 ('the Congress'). By signing the application form you are indicating your acceptance of these terms and conditions.

Acceptance and Allocation

The Congress Organisers, reserves the right to accept or reject any application at its absolute and unfettered discretion with the return of any deposit paid in the event of a rejection. Sponsorship and exhibition packages, which may be limited in number, will be generally allocated in the order of the receipt of application forms. Allocation of sponsorship packages and booths regardless of the preference indicated, and alteration of the floor plan is at the discretion of the Congress Organiser, whose decision will be final.

Application and Payment

To confirm your acceptance of a Sponsorship or exhibition package please complete the Booking form at the back of this brochure and return to sponsorship@aomevents.com and specify the package required.

A confirmation letter will then be sent to you outlining the exhibitor or sponsorship details, along with a tax invoice due within 21 days. If payment is not received by this date, the package will be released for re-sale. As spaces are strictly limited, returning a Booking Form does not guarantee a place as a Sponsor/Exhibitor. You will be contacted with a confirmation letter to confirm your acceptance as a Sponsor/Exhibitor.

Cancellation Policy

Cancellations will be accepted in writing only. A cancellation notice received 3 months prior to the Congress start date will be subject to a 50% cancellation fee. A cancellation notice received within 3 months of the Congress start date will be subject to a 100% cancellation fee.

Legal Responsibility

The Congress Organisers and the Venue accept no responsibility for any act, omission or other default on the part of the Sponsor/Exhibitor during or in connection with the Congress that results directly or indirectly in any loss, damage, personal injury or death. The Sponsor/Exhibitor agrees to indemnify the Congress Organisers in respect of any claim and demands in respect thereof. The Sponsor/Exhibitor acknowledges that the Congress Organisers are not responsible for any loss or damage to the Sponsor/Exhibitors property and that all Sponsor/Exhibitor material and equipment is the sole responsibility of the Sponsor/Exhibitor. The Organisers will not be liable for any indirect or consequential damages arising out of a breach of this Sponsorship/Exhibition contract. In the event that the Congress or Exhibition is cancelled or delayed through no fault of the Congress Organisers, including but not limited to fire, flood, labour disputes, natural disasters, acts of God, civil disorders, riots, insurrections, work stoppages, slowdowns or disputes, or other similar events then the Sponsor/Exhibitor shall not be entitled to any refund or any claim for any loss of damage.

Exhibitor Manual

An Exhibitor Manual outlining all technical aspects of exhibiting will be circulated no later than 3 months before the Congress. It will include the following

- Technical details about the venue, final exhibition details and information.
- Contractor details services available to exhibitors and order forms.

Exhibitor Display Rules

- The Congress Organisers shall determine the hours during which the Exhibition shall be conducted and the hours of access for Exhibitors, including any variations of access times as may be necessary.
- The allocated exhibition booth must be staffed at all times during the exhibition and removal of any exhibition display must not commence until after the exhibition closes.
- All advertising material, such as banners, must be displayed within the designated booth area.
- Excessive noise that inconveniences other exhibitors or the Congress must be avoided.
- Exhibitors must not obstruct aisles and walkways.
- While Exhibitors are encouraged to pursue novel methods of attracting people with their stand, practices disadvantaging other exhibitors or detracting from the Exhibition are not permitted.

Custom Stand

All custom stand designs must be approved by the Congress Organisers and the Venue to allow for unrestricted views. Custom booths which aren't open plan (for example a structure with one or more walls) may need to be located against the perimeter of the Exhibition.

Detailed Requirements and Due Dates:

- The Congress Organisers requirements regarding the artwork for logos and advertisements, specifications and delivery details for signage, arrangements for static display, delivery of satchel inserts or other arrangements will be sent to you at a later date with relevant due dates.
- Logos will be requested in both .jpg and .eps format, high resolution 300dpi. If logos in other formats are received, the Organisers are not responsible for the quality of the logos displayed in any of the promotional material.
- In the event that materials, information or artwork required by the Congress Organisers are not received by the designated due date, their use for their intended purpose cannot be guaranteed the Organisers are not responsible for any losses sustained as a result.

Sponsorships

Nothing contained in the agreement will be deemed to constitute a joint venture or agency relationship between you and Congress Organisers.

You must not do anything where you will, in any way, be represented that you are a partner of the Congress Organisers.

Registrations

Sponsors/Exhibitors are not permitted to attend Congress Sessions or Networking Functions unless the relevant tickets are offered as part of the particular Sponsorship or Exhibition package. Should Sponsors/Exhibitors wish to attend the Congress as a delegate or attend Networking Functions, the appropriate registration must be purchased. Specific Sponsor/Exhibitor registration online link will be sent out at a later date.

Sponsorship and Exhibition Packages

Please refer to the Sponsorship packages in this Sponsorship & Exhibition Proposal document. Any variations to the description of each package must be as agreed in writing with the Congress Organisers. Sponsorship and Exhibition entitlements will not commence until the Booking Form and payment is received by the Congress Organisers.

Venue

The Sponsor/Exhibitor and the servants, agents, contractors and invitees of the Sponsor/Exhibitor are also to observe the rules, regulations and procedures as prescribed by the Venue.



**WORLD FISHERIES
CONGRESS**
ADELAIDE • AUSTRALIA

**20-24
SEPTEMBER
2021**

Appendix 5 Number of delegates by country

Country	Number of delegates
Algeria	1
Angola	1
Argentina	2
Australia	506
Bangladesh	3
Belgium	2
Brazil	7
Cambodia	2
Cameroon	1
Canada	30
Chile	6
China	1
Colombia	4
Congo (the Democratic Republic of the)	1
Croatia	2
Cyprus	1
Denmark	5
East Timor	1
Ecuador	4
Ethiopia	1
Falkland Islands	2
Fiji	2
Finland	2
France	10
Germany	4
Ghana	1
Guam	1
India	14
Indonesia	10
Ireland	5
Italy	10
Japan	13
Kenya	1
Madagascar	2
Malawi	1
Malaysia	4
Mexico	1
Netherlands	13
New Caledonia	7
New Zealand	23
Nigeria	1
Norway	16
Pakistan	2
Peru	1
Philippines	4

Portugal	10
Russian Federation	1
Seychelles	1
Singapore	4
Solomon Islands	1
South Africa	15
Spain	15
Sweden	5
Taiwan	6
Tanzania, United Republic of	1
Uganda	2
United Arab Emirates	1
United Kingdom	42
United States	178
Unspecified	152
Vanuatu	1
TOTAL	1166

Appendix 6 - World Fisheries Congress 2021 Evaluation Survey

Note: Q1 (contact information) has been removed for privacy reasons

Q2 How did you find out about the World Fisheries Congress 2021?

#	RESPONSES	DATE
	Answered: 123 Skipped: 0	
1	Colleagues	10/13/2021 10:36 AM
2	Friend	10/7/2021 7:50 PM
3	From website	10/7/2021 6:28 PM
4	I have attended prior conferences. I learn about the details of WFS through the American Fisheries Society.	10/7/2021 2:48 AM
5	It was promoted during the Asian Fisheries and Aquaculture Forum 2019	10/6/2021 11:43 PM
6	Oceania Chondrichthyan Society news	10/6/2021 6:52 PM
7	I enjoy the Congress 2021. It was well organized.	10/6/2021 4:53 PM
8	online	10/6/2021 10:26 AM
9	Work colleagues	10/6/2021 8:21 AM
10	Email	10/6/2021 2:15 AM
11	I was looking up conferences to participate in.	10/5/2021 3:48 PM
12	Colleagues	10/5/2021 10:31 AM
13	FRDC emails	10/5/2021 10:31 AM
14	Helped organise it	10/5/2021 10:09 AM
15	Emails through work	10/5/2021 9:51 AM
16	asfb	10/5/2021 9:19 AM
17	Through ASFB	10/5/2021 9:18 AM
18	Business contacts	10/5/2021 9:09 AM
19	Through the University	10/4/2021 7:36 PM
20	Via colleagues	10/4/2021 5:08 PM
21	I was encouraged by my Supervisor to join WFC 2021.	10/4/2021 3:59 PM
22	Through colleagues	10/4/2021 2:36 PM
23	Previous conference - ASFB 2019	10/4/2021 1:34 PM
24	FRDC message in a bottle	10/4/2021 12:08 PM
25	Word of mouth.	10/4/2021 10:57 AM
26	Through my lab group at the University.	10/4/2021 10:51 AM
27	Email/supervisor advice	10/4/2021 10:48 AM
28	Notification was received by email	10/4/2021 10:13 AM
29	Host organising Society - ASFB	10/4/2021 9:11 AM
30	Twitter	10/4/2021 7:08 AM
31	Through. The sixth otolith symposium Taiwan 2018	10/3/2021 8:54 AM
32	Some really good insights and topics	10/2/2021 1:06 PM
33	Word of mouth	10/2/2021 10:54 AM
34	I work in industry in Australia. The WFC was very effectively advertised in a long lead-in period. I found the way we were kept continually informed very impressive.	10/2/2021 10:33 AM

World Fisheries Congress 2021 Evaluation Survey

35	A good opportunity to know about different fisheries research and holistic focus in science.	10/2/2021 9:57 AM
36	Via FRDC	10/2/2021 7:58 AM
37	Regular attendee	10/2/2021 6:31 AM
38	Social Media	10/2/2021 3:47 AM
39	At an earlier American Fisheries society meeting	10/2/2021 2:02 AM
40	Interesting and inspiring	10/2/2021 1:45 AM
41	Symposium organizer for WFC 2020 and then 2021	10/2/2021 1:36 AM
42	Attended the conference in the past.	10/2/2021 1:12 AM
43	I found the WFC 2021 information on the website and email.	10/2/2021 12:00 AM
44	Email	10/1/2021 11:35 PM
45	American Fisheries Society meeting	10/1/2021 11:29 PM
46	Through IFS of AFS many years ago	10/1/2021 10:08 PM
47	Internet	10/1/2021 9:29 PM
48	Annual AFS conference announcement	10/1/2021 9:25 PM
49	via work	10/1/2021 8:28 PM
50	Colleagues email	10/1/2021 7:38 PM
51	From a colleague	10/1/2021 6:47 PM
52	Colleagues in the organising committee	10/1/2021 6:37 PM
53	Email	10/1/2021 6:27 PM
54	I was an invited speaker	10/1/2021 6:21 PM
55	ASFB promotion of event	10/1/2021 6:10 PM
56	Colleagues. CSIRO.	10/1/2021 6:04 PM
57	Emails	10/1/2021 5:58 PM
58	via Alistair Hobday	10/1/2021 5:54 PM
59	Gavin Begg	10/1/2021 5:38 PM
60	Heard from my supervisor.	10/1/2021 5:28 PM
61	Session convener	10/1/2021 5:26 PM
62	Through social media	10/1/2021 5:26 PM
63	ASFB membership	10/1/2021 5:26 PM
64	I am part of ASFB.	10/1/2021 4:58 PM
65	Email	10/1/2021 4:56 PM
66	Email advertisement	10/1/2021 4:52 PM
67	Colleagues	10/1/2021 4:49 PM
68	Several emails from various people	10/1/2021 4:48 PM
69	When I joined at world fisheries congress 2016	10/1/2021 4:44 PM
70	Word of mouth	10/1/2021 4:44 PM
71	My professional network	10/1/2021 5:10 AM
72	Industry	9/30/2021 12:55 PM
73	Through my work.	9/30/2021 12:48 PM
74	Through work	9/29/2021 5:57 PM
75	I was treasurer of the ASFB	9/29/2021 1:17 PM

World Fisheries Congress 2021 Evaluation Survey

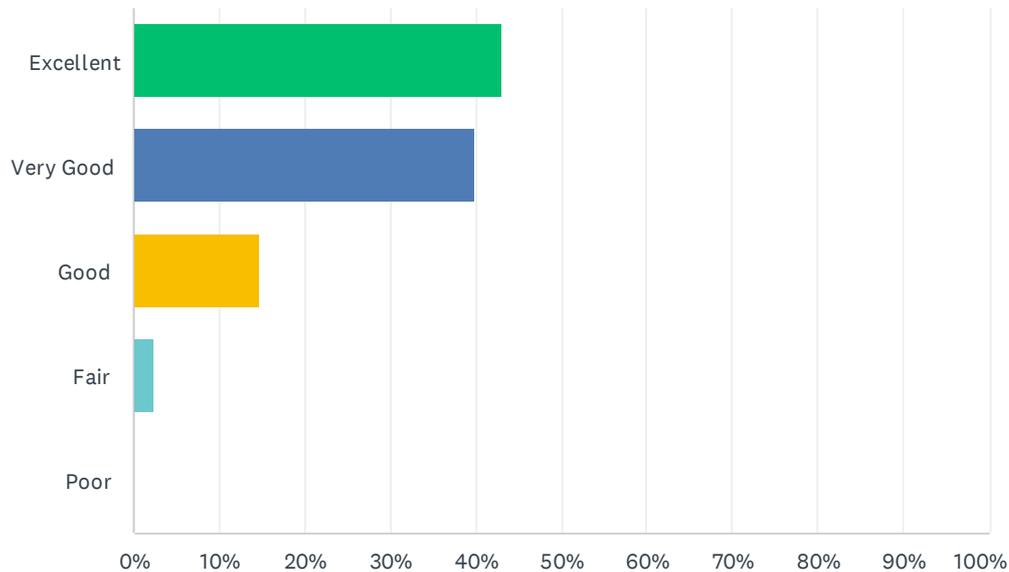
76	Industry and previous attendance	9/29/2021 9:48 AM
77	LinkedIn	9/28/2021 10:22 PM
78	I found WFC 2021 very interesting, really enjoyed congress for sustaining fish resources.	9/28/2021 9:46 PM
79	Information distributed through PIRSA	9/28/2021 2:36 PM
80	Supervisor	9/28/2021 12:48 PM
81	ASFB	9/28/2021 10:51 AM
82	Supervisor	9/27/2021 10:36 PM
83	I am interested to attend Internatioanl Conferences, due to the keen interest my supervisor told me about it.	9/27/2021 7:15 PM
84	Through mails within my company (Ifremer)	9/27/2021 6:57 PM
85	Very good, informative global information	9/27/2021 6:22 PM
86	Fellow researcher	9/27/2021 5:26 PM
87	One of my colleagues told me about it.	9/27/2021 3:47 PM
88	I was registered by my organisation PIRSA/SARDI	9/27/2021 3:14 PM
89	Work colleagues	9/27/2021 3:10 PM
90	through the marine science community bulletins & web searches.	9/27/2021 2:20 PM
91	Through my involvement with Australian Society for Fish Biology	9/27/2021 12:28 PM
92	The ASFB Website and newsletter	9/27/2021 12:16 PM
93	Via my work place.	9/27/2021 11:49 AM
94	Word of mouth	9/27/2021 10:17 AM
95	Invitation as speaker; past participant in events.	9/27/2021 9:18 AM
96	Work	9/27/2021 8:27 AM
97	Referral from a colleague	9/27/2021 8:27 AM
98	Publicity via the networks I have	9/26/2021 10:03 AM
99	I participated in the World Fisheries Congress in Korea 4 years ago.	9/25/2021 7:16 PM
100	Official website	9/25/2021 2:16 PM
101	Excellent	9/25/2021 2:11 PM
102	FRDC	9/25/2021 2:03 PM
103	FRDC	9/25/2021 12:24 PM
104	Via my fisheries networks especially the Indigenous Reference Group for the Fisheries Research and Development Corporation, Canberra, Australia.	9/25/2021 10:25 AM
105	Facebook	9/25/2021 3:22 AM
106	Internet	9/25/2021 1:40 AM
107	Email	9/25/2021 1:37 AM
108	I had been to the WFC in Busan, South Korea in 2016 (?) and really enjoyed it. I heard about that one from a faculty member at my PhD institution.	9/25/2021 1:27 AM
109	Excellent.	9/25/2021 1:24 AM
110	My supervisor	9/25/2021 12:23 AM
111	Through email message sent by the organizer.	9/24/2021 11:44 PM
112	Twitter or AFS.	9/24/2021 11:41 PM
113	Network of colleagues.	9/24/2021 10:32 PM
114	Participated in WFC 2016; contact with Tim Ward; involved in preparation for a number of sessions	9/24/2021 10:08 PM

World Fisheries Congress 2021 Evaluation Survey

115	I got information from social media and the mailing list of IMBeR	9/24/2021 9:46 PM
116	Asfb member	9/24/2021 9:44 PM
117	colleagues and internet	9/24/2021 8:56 PM
118	I have been attending World Fisheries Congress so I was sent an email.	9/24/2021 8:28 PM
119	from email	9/24/2021 8:23 PM
120	Invited keynote	9/24/2021 8:18 PM
121	While searching on Google for upcoming conferences to present my research on.	9/24/2021 8:18 PM
122	I was registered for the 2020 event, heard through the Australian Society for Fisheries Biology	9/24/2021 8:08 PM
123	Colleagues	9/24/2021 2:01 PM

Q3 How would you rate the quality of the WFC2021 program?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES
Excellent	43.09% 53
Very Good	39.84% 49
Good	14.63% 18
Fair	2.44% 3
Poor	0.00% 0
TOTAL	123

#	COMMENTS:	DATE
1	The quality was good, however the choice of who was presenting live or in recorded format with Q&A sessions did not seem very fair. Lots of Australian were presenting in these format, while talks for researchers from other parts of the worlds were mostly in the in-demand format. Some presenters in live or recorded tlak with Q&A sessions presented twice... Given the number of people that did not get this Opportunity, this is a very odd and desapoiting choice.	10/13/2021 10:36 AM
2	Although I could not attend in person, the virtual Congress went more smooth than I expected.	10/6/2021 4:53 PM
3	ran very smoothly	10/6/2021 10:26 AM
4	Having multiple topics at once made it difficult to choose which one to watch live.	10/5/2021 3:48 PM
5	Its a little too fisheries for me, but that is to be expected. I'd like to see a bit more behaviour and ecology.	10/5/2021 10:09 AM
6	Viewing online had me concerned due to the ability to keep me interested and focussed. It was great being able to look for speakers or topics and listen to them. There would have been no way that I could have done this if I have attended the conference in person.	10/5/2021 9:51 AM
7	It was really great! The topics were all diverse and grouped according to different themes which helped us identify easily the sessions we were interested in.	10/4/2021 3:59 PM
8	Obviously disappointing it couldn't be in person, but well done for a forced online	10/4/2021 10:51 AM

World Fisheries Congress 2021 Evaluation Survey

	conference.	
9	I was initially disappointed that I was not able to attend in person. However, the virtual conference was extremely enjoyable and informative. I was particularly impressed with the wide array of disciplines and methods that were employed by conference presenters to further fisheries research.	10/4/2021 10:48 AM
10	Well organized with a variety of topics covered	10/4/2021 10:13 AM
11	Quality was great, but received not much attention from the audience (because of online platform)	10/4/2021 7:08 AM
12	The level of research is accelerating in a very impressive way	10/3/2021 8:54 AM
13	Slightly confusing on Zoom, not know what sessions to attend, could be user error ?	10/2/2021 1:06 PM
14	It was comprehensive, and focused on the future - both high level and detail.	10/2/2021 10:33 AM
15	Organization and researchers	10/2/2021 9:57 AM
16	I would have liked more presentations on big picture trends	10/2/2021 7:58 AM
17	I enjoyed the focused but yet diverse range of topics in fisheries	10/2/2021 2:02 AM
18	Very good, given all the necessary restrictions and virtual environment	10/2/2021 1:36 AM
19	I was impressed with how smooth the sessions were run despite the difficulty of doing them remotely from all over the world. I rated it below Excellent because it could never be excellent having to deal with so many time zones and the fact that remote attendees like me also had to work during the day. Very difficult to find time for everything I wanted to, but I appreciate the access to materials after the Congress adjourned.	10/2/2021 1:12 AM
20	Very good at organizing the congress. However, On Air platform access for the whole program seems difficult.	10/2/2021 12:00 AM
21	Some presentations did not have results, it was only de proposal	10/1/2021 11:29 PM
22	Good program but really difficult to navigate the online version!	10/1/2021 9:29 PM
23	It was somewhat light on freshwater content	10/1/2021 9:25 PM
24	Very well organized in these challenging times.	10/1/2021 7:38 PM
25	I found it frustrating as a notional speaker and notional session convener that many talks and sessions simply disappeared into the on-demand section, especially when some of the featured talks were of low quality (e.g. somebody describing which chapters they planned to write in their PhD) and the material consigned to the on-demand section was rarely mentioned	10/1/2021 6:47 PM
26	Great variety and calibre of presentations	10/1/2021 5:58 PM
27	very smooth conference and everything worked well	10/1/2021 5:54 PM
28	The overall organisation of the workshop was good, finding once way around the virtual platform was easy.	10/1/2021 5:26 PM
29	after chairing 2 sessions and presenting a talk, and having to get up very early to do so, i was exhausted. and then with other work to do in my office that week. i didn't get a chance to see any other talks. i hope to view them online.	10/1/2021 5:26 PM
30	The program was great but not being able to see what was within a session was confusing the first day. Having to have separate windows open in order to look for the talks that I wanted to watch. The program itself was difficult to read, and it was hard to see the through the dense paragraph of speakers name and title. It made it difficult to switch between sessions.	10/1/2021 4:58 PM
31	Video platform, vimeo.com already banned in Indonesia. I have to use VPN to access all contents.	10/1/2021 4:44 PM
32	It was hard to interact with people when I was in the United States in Eastern Standard Time.	10/1/2021 5:10 AM
33	The program was excellent and broad-ranging, and all presentations I saw were outstanding. I also judged some student presentations, and was genuinely impressed at the quality of work presented by these young researchers.	9/30/2021 12:48 PM
34	fantastic diversity, Bonus to be able to view the pre-recorded talks and the discussion	9/29/2021 1:17 PM

World Fisheries Congress 2021 Evaluation Survey

	panels were really well arranged	
35	Great breadth of topics and well spaced out to encourage people to engage with topics they may not have otherwise dipped into	9/29/2021 9:48 AM
36	Program was very interesting and diverse.	9/28/2021 2:36 PM
37	Exceptional organization, very few technology issues and a excellent format to engage audience both through discussion forum and q&a.	9/28/2021 12:48 PM
38	Lots of diversity, it was very interesteing.	9/27/2021 6:57 PM
39	Good scientific information	9/27/2021 6:22 PM
40	Congratulations, it was amazing. The content was exceptional and diverse, the facilitators were very helpful, the IT platforms performed extremely well and to have IT support on hand is a great idea.	9/27/2021 3:47 PM
41	The variety of session themes was excellent and well targeted. It was very contextual to Australian situations (and current issues / needs). There was always something relevant technically, or new and interesting to tune into.	9/27/2021 2:20 PM
42	Having attended the previous WFC in Busan in 2015, I would say the 2021 event did a much better job of presenting a diverse and highly relevant program that involved more industry and management representatives than has been the case at previous WFC's	9/27/2021 12:28 PM
43	Suffers from the same problem as other conferences, where they have moved to have too many 'concomitant' streams. This may be good for revenue given large number of speakers, but is poor for conferences where the aim is to achieve focus and interaction.	9/27/2021 9:18 AM
44	So many talks to go and see. It was fantastic	9/27/2021 8:27 AM
45	I did not participate a lot- it was a very dense program The original program had a whole session for Women which was a better suit for Women in Seafood.	9/26/2021 10:03 AM
46	Excellent performance	9/25/2021 7:16 PM
47	More speakers from industry	9/25/2021 2:03 PM
48	From an Indigenous perspective, there was a good balance of science (EBFM especially), indigenous and local knowledge, management (SSF especially), engagement. The inclusion of other stakeholders like recreational fishers, conservation advocates etc was also a positive. Fisheries science can be a world of its own, species biology is fascinating to me but fisheries management is about people and the science-community nexus needs to be developed, strengthened and maintained. This congress has made big steps in that direction.	9/25/2021 10:25 AM
49	I still have a hard time attending virtual conferences, but the platform you used made it easier for me to do this.	9/25/2021 1:40 AM
50	The entire congress was well planned and organized. The virtual format was seamless and the tutorials were helpful even though the site was very intuitive.	9/25/2021 1:37 AM
51	The sessions overlap made one to prioritise. Lucky for us they were recorded and we can revisit, which is not possible if it was in person conference.	9/25/2021 12:23 AM
52	Strong speakers and big picture problems.	9/24/2021 11:41 PM
53	Everythings are well organized by the organizing committee	9/24/2021 9:46 PM
54	A number of students were scheduled to speak on the last day, including in the last session of the conference and even the last talk slot. Meanwhile, well established speakers had already presented twice and even been on multiple panels. This is a massive oversight. You needed to do more to support students and ecrs, get them engaged in the conference earlier and engaged with other delegates. A student who had their first option to talk in the very last session of the conference has had any opportunity to formally engage with others taken away by the conference organisers. I would have thought this evident, but evidently not. So much more could have been done, and simply so, to increase equity in the program. Massive missed opportunity. I can only imagine how whoever put the program together would have felt if this was their fate in their first conference. I'm sure disillusionedand disappointed at the missed opportunities to meaningfully network based off of their work. Improvement needed.	9/24/2021 9:44 PM
55	I enjoyed most sessions and learned a lot.	9/24/2021 8:28 PM
56	all information has been given very well.	9/24/2021 8:23 PM

World Fisheries Congress 2021 Evaluation Survey

57	Loved everything including the ability to watch the videos later. I liked the gamification. And I loved the team working behind the scenes to make things easy for the conference attendees. Vinaka vakalevu	9/24/2021 8:18 PM
58	I think some of the talks could have been grouped better, e.g. the women in fisheries talks should have been grouped together and separate to the safety talks, some of the women in fisheries talks were in different themes which made it difficult for me to find relevant talks. There was also a marine talk in a freshwater fish section.	9/24/2021 8:08 PM
59	Test	9/24/2021 2:01 PM

Q4 Which sessions did you find the most relevant/interesting and why?

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	Fisheries monitoring in support of sustainable fisheries	10/13/2021 10:36 AM
2	Climate Change. My reseach area.	10/7/2021 7:50 PM
3	Supply chains, traceability and marketing. Because I am working on the issues that were presented and discussed in this session.	10/7/2021 6:28 PM
4	Plenaries.	10/7/2021 2:48 AM
5	Sustainable fisheries, policy and governance ,Gender, EAFM	10/6/2021 11:43 PM
6	Sharks and Rays	10/6/2021 6:52 PM
7	Stock assessment and modelling. The section touched future stock assessments and introduced some assemble tools.	10/6/2021 4:53 PM
8	Anything freshwater related	10/6/2021 10:26 AM
9	Fisheries stock assessment	10/6/2021 8:21 AM
10	Watched one session, so far.	10/6/2021 2:15 AM
11	Bycatch and Co management as these are relevant to my current research.	10/5/2021 3:48 PM
12	Climate change - more related to my work	10/5/2021 10:31 AM
13	Economics ones	10/5/2021 10:31 AM
14	Sharky sections are always interesting, but i particularly like the sessions on AI	10/5/2021 10:09 AM
15	Sessions that had research from Australia was of most interest to me, due to having more relevance for what I do.	10/5/2021 9:51 AM
16	freshwater- my field subsistence- my field Keynote- always good	10/5/2021 9:19 AM
17	Monitoring and management of freshwater-dependent fish and fisheries/Non-native species as my current field is pest fish management. I also enjoyed the by-catch, habitat and depredation and this is an issue we have amongst recreational game fishers in Tasmania. The recreational fisheries sessions were also very interesting.	10/5/2021 9:18 AM
18	Indigenous fisheries - participant in that area of work	10/5/2021 9:09 AM
19	Food security	10/4/2021 7:36 PM
20	I am interested in inland fisheries science and policy so that cut across a few different sessions	10/4/2021 5:08 PM
21	I found all the sessions relevant and interesting. I liked the opening speeches because they helped us see the bigger picture where we are now and the glimmers of hope to the future. I especially like the workshops a lot because it gave us the opportunity to interact directly with other participants. Among the workshops, I found the Transdisciplinary fisheries research and ECRS topic really inspiring and motivating. It was really great to meet other ECRs and exchange ideas on what we can do together to develop fisheries and society, as a whole, through collaborative work. I also liked the student competitions because it gave us an opportunity to challenge ourselves to improve the way we work and communicate the things we have learned from our research in a way that could easily be understood by a nonspecialist audience.	10/4/2021 3:59 PM
22	Supply Chains, Traceability & Marketing session as this is most relevant to my research & work. Other relevant sessions incl. the opening address by Ambassador Peter Thomson, Plenary by Professor Manuel Barange, Future of Fisheries - they all provide great big picture reflection.	10/4/2021 2:36 PM
23	Most were relevant and interesting	10/4/2021 1:34 PM
24	Why does a giant Mudcrab run , directly related to my business	10/4/2021 12:08 PM

World Fisheries Congress 2021 Evaluation Survey

25	Emerging technologies, machine learning and big data.	10/4/2021 10:57 AM
26	I really enjoyed the Future of Fisheries talks. I think it's incredibly valuable to take a step back from the hard biology and ecology, which are very important, and examine comprehensive fisheries management.	10/4/2021 10:51 AM
27	I found the "Integration of genomics in fisheries management and aquaculture" streams the most interesting thanks to my discipline of ecological genetics.	10/4/2021 10:48 AM
28	People - women in fisheries, workforce, investment, safety and building capacity	10/4/2021 10:13 AM
29	Climate change, new technologies, conservation, freshwater	10/4/2021 9:11 AM
30	Theme 2 (Conservation), Theme 4 (Genomics) Simply because I work on those fields	10/4/2021 7:08 AM
31	Climate change Climate change because it is behind most of the problems of fertility, migration, invasion of exotic species	10/3/2021 8:54 AM
32	Sustainability, Martin Exel SEABOSS , David Carter CEO Austral	10/2/2021 1:06 PM
33	MSE evening session Doug Butterworth Rich Hillary Andre Punt Jose de Oliveira Great sessions - great speakers, relevant topic	10/2/2021 10:54 AM
34	The Plenary and international sessions were the most interesting for me. For the Plenary - the presenters were those who had actually done it (eg Exel, Fulton, Williams) and looked at the future. The other main sessions for me where Women in Fisheries because they are the most under-utilised resource at the industry level - managing businesses, leadership positions, etc. The other main interest was i new management technologies	10/2/2021 10:33 AM
35	My apologies, I was unable to participate.	10/2/2021 9:57 AM
36	plenaries, when they addressed big picture trends	10/2/2021 7:58 AM
37	Stock assessment and MSE, ecosystem modelling - my fields ; indigenous fisheries - fresh perspectives	10/2/2021 6:31 AM
38	Sustainable development goals, Small-scale fisheries, Co-management fisheries, Indigenous fisheries, Ecosystem approach fisheries, because I am particularly interested in these topics for my research.	10/2/2021 3:47 AM
39	stock assessment and modelling	10/2/2021 2:02 AM
40	Fisheries Management	10/2/2021 1:45 AM
41	I largely attended the Land of Plenty related sessions	10/2/2021 1:36 AM
42	Biased answer, but the data-limited session on Thursday afternoon.	10/2/2021 1:12 AM
43	On-demand presentation for all sessions.	10/2/2021 12:00 AM
44	EBFM, EBM Related to my work	10/1/2021 11:35 PM
45	Ecosystem-based fisheries management	10/1/2021 11:29 PM
46	On-demand videos	10/1/2021 10:08 PM
47	Biology and bycatch	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Data-limited fisheries; small-scale fisheries - own area of interest and expertise	10/1/2021 8:28 PM
50	"Feeding the World" Dr. David Mills coordinated the session very well.	10/1/2021 7:38 PM
51	There was some good stuff on climate change dring various sessions and I enjoyed the bycatch session.	10/1/2021 6:47 PM
52	N/A	10/1/2021 6:37 PM
53	Any relating to fisheries economics	10/1/2021 6:27 PM
54	Plenaries, women/gender sessions; food system and nutrition; indigenous fisheries- these are my areas of interest	10/1/2021 6:21 PM
55	Invasion Q&A panels	10/1/2021 6:10 PM
56	Climate change/ fishery impacts	10/1/2021 6:04 PM
57	All were good - but it was amazing to learn about the most recent technological advances	10/1/2021 5:58 PM

World Fisheries Congress 2021 Evaluation Survey

	available	
58	all of them to be honest, there was some great speed talks by the students too	10/1/2021 5:54 PM
59	This involving economics and social sciences	10/1/2021 5:38 PM
60	Biomarkers. Due to my research field and interests.	10/1/2021 5:28 PM
61	Recreational fisheries	10/1/2021 5:26 PM
62	Sustainable Development Goals	10/1/2021 5:26 PM
63	see above	10/1/2021 5:26 PM
64	I enjoyed the biological sessions as I felt those were the most 'new' information, but the biomarkers live session hosted by Ben Walther was my favorite. A great mix of speakers and topics.	10/1/2021 4:58 PM
65	Mse	10/1/2021 4:56 PM
66	I enjoyed the restoration talks. I am very interested in rebuilding stocks and restoration of fisheries, as well as alternative management approaches	10/1/2021 4:52 PM
67	the one on genomics because it's the session i was involved in because my work relates to that	10/1/2021 4:49 PM
68	Was a presentor	10/1/2021 4:48 PM
69	All session are interesting	10/1/2021 4:44 PM
70	Fisheries management - interested in integration of research and management	10/1/2021 4:44 PM
71	The Ecosystem based fisheries management session, because it was the only session I attended live.	10/1/2021 5:10 AM
72	People and Indigenous streams - relevant to my work, in particular the Q&A panels	9/30/2021 12:55 PM
73	Identifying a single most interesting session is difficult, and choice would be subjective, but I particularly enjoyed Tack 4, 8:30 a.m. - 10:30 a.m. on Wednesday the 22nd (Sustainable fisheries - recovering and overfished stocks (01)). I enjoyed this session because of its relevance to my own work, the high-quality research presented, and the generally engaging and easy-to-follow presentations.	9/30/2021 12:48 PM
74	Didn't really watch that many as nothing relevant was live during UK hours. I know it is recorded but often the moments passed so it is then difficult to schedule in to the working day.	9/29/2021 5:57 PM
75	Fisheries monitoring, biomarkers as i work directly in this area; but also the global fisheries talks were very informative - looking at the bigger picture	9/29/2021 1:17 PM
76	Resource allocation; sustainability; small scale fishing; impact of covid-19 and lessons learnt	9/29/2021 9:48 AM
77	Seafood supply chain traceability - MSC chair	9/28/2021 10:22 PM
78	Very interesting even though i am a PhD student my research work related to Modeling for maintaining fish stocks and fish marketing that is why for me relevant i mentioned sessions Supply chains and marketing,Sustainable fisheries, over fished stocks,illegal fishing and Stock assessment and modelling	9/28/2021 9:46 PM
79	Climate change, advances in stock status classification and indigenous fishing	9/28/2021 2:36 PM
80	Biomarkers, both sessions, and the future of fisheries. Greatly appreciate AU's effort to incorporate indigenous leaders/knowledge in sessions and the role of women on fisheries. The global comparisons/success stories of management were also very engaging.	9/28/2021 12:48 PM
81	Recreational fishing; Machine learning; Bycatch	9/28/2021 10:51 AM
82	Emerging technologies, machine learning and big data because it is in this section that they have demonstrated the potential of processing data that accumulates in too much to be processed manually	9/27/2021 10:36 PM
83	Fish and Aquatic System because it is related to my research work as well as my my field work (contract job) and main was biology and ecosystem.	9/27/2021 7:15 PM
84	I found the Biomarkers session the most interesting	9/27/2021 6:57 PM
85	Most, went in and out of presentations	9/27/2021 6:22 PM

World Fisheries Congress 2021 Evaluation Survey

86	Inland fisheries and biology and ecology	9/27/2021 5:26 PM
87	I really liked the session 12-2pm on Thu about Data poor fisheries. There was a lot of information about customer decision support (CDS) in these talks and some stimulating questions were asked with good discussions resulting. I attended the WFC primarily to see what CDS my industry (meteorology) could provide to fisheries and found I learnt a lot about CDS principles and issues that can apply to any industry in this session.	9/27/2021 3:47 PM
88	Every session i followed was interesting. The Q&A sessions were great too.	9/27/2021 3:14 PM
89	Sessions presented by State fisheries authorities, as a comparison to my own work. And the Indigenous fisheries presentations.	9/27/2021 3:10 PM
90	Those of relevance to my work directly - Small scale fisheries Indigenous fisheries Sustainable fisheries - recovering and overfished stocks.	9/27/2021 2:20 PM
91	Resource allocation & co-management, Effect of COVID, Stock assessment, Bycatch, habitat & depredation. I had the same problem as I have at any large conference i.e. too much of interest to chose from! Thus at the end of the event I only got to a fraction of the whole show. Being able to work through the pre-recorded talks over the next few months is a real ++ development.	9/27/2021 12:28 PM
92	They were all very interesting despite the fact that we could only follow one track at a time.	9/27/2021 12:16 PM
93	I enjoyed all the plenary talks, including the Indigenous Fisheries and Allocation/Co-Management sessions.	9/27/2021 11:49 AM
94	Bycatch, depredation and habitat effects Sharks and rays Recreational fishing	9/27/2021 10:17 AM
95	I only managed to get to the key note talks, with one or two exceptions. I don't set aside time for virtual conferences in the same way as I used to for participation in person, so any talks fit in around existing work.	9/27/2021 9:18 AM
96	Future Fishing trends. new monitoring technologies. Fisheries Management sessions.	9/27/2021 8:27 AM
97	I really enjoyed the Indigenous sessions - very relevant to my work.	9/27/2021 8:27 AM
98	I chaired 2 sessions the live one on Thursday morning went well and I enjoyed the content. I also enjoyed hearing about the women traders in Malawi and the women as directors on the Wednesday afternoon session. Both relevant to my interest	9/26/2021 10:03 AM
99	I really like session 1 Thursday, Stock assessment author Andre Punt, This was overview of stock assessment methods. He is really good Professor well explained every talk.	9/25/2021 7:16 PM
100	Co-management	9/25/2021 2:16 PM
101	Indigenous fisheries	9/25/2021 2:11 PM
102	Resource Allocation	9/25/2021 2:03 PM
103	Genetics - my field of interest.	9/25/2021 12:24 PM
104	I floated around several sessions listening in on ones of interest such as those tackling Ecosystems Based Fisheries Management, an approach that i have advocated strongly in my position on the NSW Ministerial Fisheries Advisory Committee. I was also interested in sessions on fisheries harvest strategies as I am an Indigenous representative on 3 FHS working groups set up in NSW. I am also assisting in the development of an Aboriginal Harvest Strategy for the Quandamooka people of North Stradbroke Island. The eel research presented by Prof Kaneko on behalf of Prof Tsukamoto was incredible. A beautiful story mixing great science with personal human endeavour on an amazing species. Similar presentations should feature at each WFC. The most relevant sessions for me were the two Indigenous sessions. The range of Indigenous expertise presenting was excellent (science-management-fishers-community). Both sessions did much to raise the level of awareness of the uniques position of Indigenous fisheries and fishing knowledge. An Indigenous session should be included in all future WFC's including a specific Indigenous plenary. Hearing community members voices was especially poignant but also uplifting. The sessions that included Small Scale Fisheries was also highly relevant as I attended some of the working groups in the latter stages of development of the guidelines in Rome to ensure that Indigenous fisheries were clearly identified as a distinct sector with internationally recognised rights and not just within the artisanal sector.	9/25/2021 10:25 AM
105	Feed the future session. Because it is on the similar lines of my work. And the presenters gave some innovative thoughts.	9/25/2021 3:22 AM
106	All about small scale fisheries and about climate change.	9/25/2021 1:40 AM

World Fisheries Congress 2021 Evaluation Survey

107	Management and biomarker sessions, since that is where my work is focused.	9/25/2021 1:37 AM
108	Management strategy evaluation and stock assessment! These are the areas where I work most closely. I also enjoyed the Future of Fisheries session because the discussion was challenging and interesting.	9/25/2021 1:27 AM
109	Conservation and monitoring.	9/25/2021 1:24 AM
110	Coastal fisheries, SDGs, indigenous fisheries, communications, machine learning. All these have relevance to my studies and research career.	9/25/2021 12:23 AM
111	Ecosystem-based fisheries management because the papers tackled my research of interest.	9/24/2021 11:44 PM
112	The Future of Fisheries session was very engaging, a lot of things to think about and applicable to a wide audience. I also liked the EBFM and stock assessment sessions.	9/24/2021 11:41 PM
113	Anguillids eels	9/24/2021 10:32 PM
114	Fishery monitoring in support of sustainable fisheries Advances in fishing vessels and fishing gear Emerging technologies, machine learning and big data Communications in fisheries Future of fisheries	9/24/2021 10:08 PM
115	Ecosystem-based and integrated ocean management, because this session is under my specialization for Integrated Coastal Management and also in Ocean Governance and Management	9/24/2021 9:46 PM
116	Session themes were diverse and good, but see point above about student scheduling	9/24/2021 9:44 PM
117	climate change and genomics	9/24/2021 8:56 PM
118	Fish biology and ecology and climate with respect to pollution because I learned a lot that I didn't know before.	9/24/2021 8:28 PM
119	Fisheries Management. Related to my field of study	9/24/2021 8:23 PM
120	Everything I went to was great	9/24/2021 8:18 PM
121	Indigenous fisheries session and the sustainable fisheries	9/24/2021 8:18 PM
122	The Indigenous Fisheries sections were great. We rarely get a chance to hear Indigenous perspectives highlighted in Fisheries, so I really enjoyed this.	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM

Q5 Who did you consider the most impressive speakers and why?

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	Not sure	10/13/2021 10:36 AM
2	Climate change. My research area. No name in special.	10/7/2021 7:50 PM
3	Scadding, Cameron. As he had an impressive talk.	10/7/2021 6:28 PM
4	Not sure.	10/7/2021 2:48 AM
5	Dr. Ratana Chuenpagdee and Dr. Manuel Barange - my research interests are aligned with their talks and I found the topics very helpful in my career as an ECR	10/6/2021 11:43 PM
6	Andhika Prima Prasetyo	10/6/2021 6:52 PM
7	Richard McGarvey. I like his presentation title "Don't just weigh 'em, count 'em" and the content. His presentation was clear. conveyed	10/6/2021 4:53 PM
8	Talk on silver eel research out of Japan	10/6/2021 10:26 AM
9	Steve Cooke	10/6/2021 8:21 AM
10	Not sure, yet.	10/6/2021 2:15 AM
11	I thoroughly enjoyed the speakers from the co management sessions as they had some interesting inputs how to better improve this in fisheries.	10/5/2021 3:48 PM
12	-	10/5/2021 10:31 AM
13	Peter Thomson. Thoughtful, passionate and inspiring	10/5/2021 10:31 AM
14	Hmm tricky. I thought some of the students did a fantastic job!	10/5/2021 10:09 AM
15	The Keynote speakers were great, an opportunity to listen to people I wouldn't have heard from otherwise.	10/5/2021 9:51 AM
16	many	10/5/2021 9:19 AM
17	Too many to mention.	10/5/2021 9:18 AM
18	Matthew Osborne, content of the material.	10/5/2021 9:09 AM
19	NA	10/4/2021 7:36 PM
20	Hard to pick any one. I liked the solutions focused sessions. There was a very good one on the design and implementation of fish screening devices in for irrigation pumps in Australia that really demonstrated common objectives from land users and conservation biologists - very good. I can't find the exact talk now though, on the website.	10/4/2021 5:08 PM
21	Peter Thomson- I liked his ending statement: "I wish, I can, I will"	10/4/2021 3:59 PM
22	Peter Thomson and Manuel Barange - very knowledgeable, captivating and addressed key issue comprehensively	10/4/2021 2:36 PM
23	No one in particular - they were all very good presentations	10/4/2021 1:34 PM
24	Most speakers were good , hard to single any out	10/4/2021 12:08 PM
25	Meryl Williams - a very well structured talk.	10/4/2021 10:57 AM
26	I really enjoyed having speakers from developing countries and indigenous peoples present at these conferences. I think it's easy to get caught up in the amazing and groundbreaking research being done, but it's important to remind ourselves that it may not always be possible to apply that on the ground due to limitations in infrastructure, funding, knowledge, or other barriers. Having people from those backgrounds shows us what is achievable in less than ideal circumstances and how we can improve fisheries there as well.	10/4/2021 10:51 AM
27	Bruce Deagle's talk on the use of metabarcoding techniques for dietary analysis was extremely interesting to me, as I have employed the same techniques for my own research.	10/4/2021 10:48 AM

World Fisheries Congress 2021 Evaluation Survey

However, I was also particularly impressed with Madeline Green from CSIRO, who used eDNA from fishing vessel holds to interrogate trawl catch communities, with the end goal of identifying both target and by-catch species. These talks both implement DNA metabarcoding, which I find interesting, as well as a fundamental method that must be employed in future monitoring practices to conduct adequately comprehensive biomonitoring surveys.

28	Meryl Williams, she's inspiring.	10/4/2021 10:13 AM
29	Beth Fulton, Meryl	10/4/2021 9:11 AM
30	Cant comment	10/4/2021 7:08 AM
31	sincerely a question whose answer is very difficult. Each topic, each communication had a particular interest	10/3/2021 8:54 AM
32	Martin Exel	10/2/2021 1:06 PM
33	See the answer to 4	10/2/2021 10:54 AM
34	Any time you get speakers such as Plenary ones such as Williams, Fulton, Exel, etc. it is an attractive proposition. They are practical but smart enough to talk about the future rather than just dwell on the past. I also found Brett Alger extremely informative. Of the local speakers - Adrian Linnane very good. A lot of the less experienced speakers are still struggling to put more technical subjects to interested but less technically adept audiences. Institutions need to focus more on it.	10/2/2021 10:33 AM
35	My apologies, I was unable to participate.	10/2/2021 9:57 AM
36	Manual Barange, FAO - great big picture presentation	10/2/2021 7:58 AM
37	Manuel Barange - excellent thoughtful global overview	10/2/2021 6:31 AM
38	Prof. Ratana Chuenpagdee, because she very well spoke about the importance of small-scale fisheries, the impactful work TBTI is doing and what needs to be done to improve sustainable small-scale fisheries.	10/2/2021 3:47 AM
39	N/A	10/2/2021 2:02 AM
40	Prof Kaneko	10/2/2021 1:45 AM
41	There were lots of impressive speakers. I particularly like the keynotes and related follow up discussion panels	10/2/2021 1:36 AM
42	I don't have a response for this one.	10/2/2021 1:12 AM
43	I could not identify because only one session I attended.	10/2/2021 12:00 AM
44	Dr. Beth Fulton and Dr. Eva Plaganyi. Both were very engaging and had easy-to-follow presentations. They are excellent inspirational scientists for the upcoming generation! I would love to hear them speak again	10/1/2021 11:35 PM
45	N/A	10/1/2021 11:29 PM
46	Dr. Meryl Williams	10/1/2021 10:08 PM
47	N/A	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Beth Fulton - always cutting edge science presented in a dynamic, engaging and palatable manner.	10/1/2021 8:28 PM
50	All which I attended	10/1/2021 7:38 PM
51	The first planary speaker (opening session) - very clear message. Many other individaltalks.	10/1/2021 6:47 PM
52	N/A	10/1/2021 6:37 PM
53	All the fisheries economists	10/1/2021 6:27 PM
54	I learned a lot from the nutrition and fish session. Very good to see what advances are happening in this field.	10/1/2021 6:21 PM
55	Difficult to pick out just a handful, and even harder to remember their names!	10/1/2021 6:10 PM
56	Karissa Lear - interesting species/ great work/ good presentation. The South Australian	10/1/2021 6:04 PM

World Fisheries Congress 2021 Evaluation Survey

	snapper talk.	
57	Beth Fulton's and Meryl William's plenaries were incredible! Beth rewrote fisheries science and Meryl highlighted the plight of women in fisheries in developing nations in a passionate display.	10/1/2021 5:58 PM
58	Matt Osbourne NT DPI because he didn't shy away from the uncomfortable issues that need to be discussed in order for research to be better at respecting deeply indigenous and traditional owner views, perceptions and wishes for involvement	10/1/2021 5:54 PM
59	Emily Ogier	10/1/2021 5:38 PM
60	Doubleday Zoe. Her excellent work on cephalopod hard tissue is forward-looking.	10/1/2021 5:28 PM
61	I liked the talk on women in fisheries by Meryl Williams as it was very thought provoking, and a very under-represented topic.	10/1/2021 5:26 PM
62	N/A	10/1/2021 5:26 PM
63	see above	10/1/2021 5:26 PM
64	The plenaries were all great, Beth Fulton and Meryl Williams were stand outs. The quality of the student presentations was also great.	10/1/2021 4:58 PM
65	Andre Punt - knowledge	10/1/2021 4:56 PM
66	I can't really comment too much as I still have to watch many talks. Overall I did enjoy Stephan Mayfield's talk on diver power.	10/1/2021 4:52 PM
67	I cannot really answer, as i could not attend many of the talks	10/1/2021 4:49 PM
68	Not sure	10/1/2021 4:48 PM
69	All speakers are impressive	10/1/2021 4:44 PM
70	Beth Fulton - Fri plenary - superb talk. Compelling message and equally relevant to research and management	10/1/2021 4:44 PM
71	All of the speakers that I saw were impressive. Everybody is so passionate and dedicated to their work.	10/1/2021 5:10 AM
72	Dr Meryl Williams - invisible contributions of women, lack of data and structural changes needed Matt Osbourne - insight into Indigenous led fisheries Kyle Slabb - case study - Indigenous management, representation and engagement	9/30/2021 12:55 PM
73	Of the presentations I saw, Elizabeth Fulton's plenary session was most impressive, as the presentations convey a huge breadth of new, innovative, and highly technical information in a way understandable by mere mortals like myself.	9/30/2021 12:48 PM
74	As above	9/29/2021 5:57 PM
75	Beth Fulton's talk was resonating and she is an engaging speaker	9/29/2021 1:17 PM
76	Martin Excel - great passion Emily Ogier - from a boat and didn't use powerpoint!	9/29/2021 9:48 AM
77	Martin Excell, Peter Trott	9/28/2021 10:22 PM
78	I really enjoyed all speakers	9/28/2021 9:46 PM
79	Dr Beth Fulton and the opening Plenary were exceptional - articulated the issues and discussion very well.	9/28/2021 2:36 PM
80	I really enjoyed listening to NGO, indigenous/artisanal fishers, students and a range of career scientists from ECR to senior/retired. Everyone offers unique perspectives, which are best appreciated when viewed in a diverse array of talks.	9/28/2021 12:48 PM
81	Some of the NOAA speakers. They have so much more funding for their research projects	9/28/2021 10:51 AM
82	Nicholas Ling (Sniffing out aliens: using scent detection dogs to detect aquatic invasive species) since we tend to use super complex tools to answer our questions when the answers are often found in nature Steven J. Cooke because he is a super good communicator	9/27/2021 10:36 PM
83	All speakers are brilliant but I like Richard Mcgarvey because of his talking and suggestion style of early career presenters with appreciations.	9/27/2021 7:15 PM
84	They were the ones with the best visual presentations	9/27/2021 6:57 PM

World Fisheries Congress 2021 Evaluation Survey

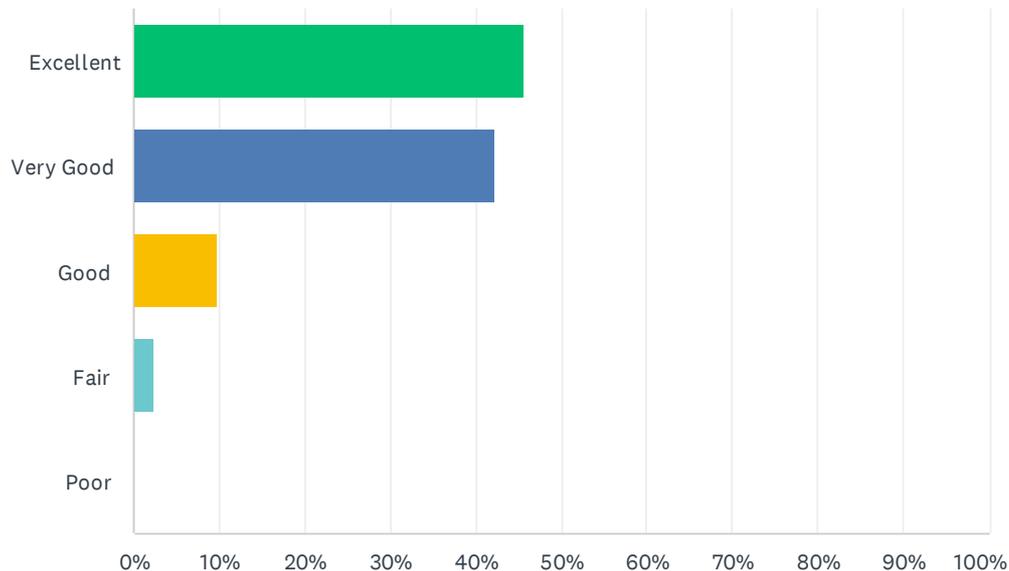
85	Overall, most presenters	9/27/2021 6:22 PM
86	Japanese keynote speaker about eels. Very interesting	9/27/2021 5:26 PM
87	Tough question, so many were great in their own ways. Dawn Dougherty's talk on FishPath raised a lot of interesting issues on CDS and stimulated great discussion. The talk on Goolwa PipiCo by Tom Robinson was a fascinating story. Are we there yet ? Progress toward climate fisheries management was by Roger Griffis in the Fri workshop was a great overview of EBM's.. Janne Haugen's talk on the opportunity cost of not doing EBM's was a very powerful and important talk.	9/27/2021 3:47 PM
88	All sessions i followed live had great speakers. I can't really distinguish just one.	9/27/2021 3:14 PM
89	Martin Exel (very enthusiastic and engaging presentation style) and Salanieta Kitolelei (engaging presentation style, engaging stories).	9/27/2021 3:10 PM
90	Meryl Williams - women & fisheries. A powerful Champion! I was wow'd. Her experience and leadership are clearly amazing. Beth Fulton - Beth and her work, and her manner are SO enabling for all sectors. She demonstrated a transformative process for change in all fisheries sectors. She showed this technically, and via her stories on HOW to lead change (relationship oriented).	9/27/2021 2:20 PM
91	Peter Thomson	9/27/2021 12:28 PM
92	Many of the plenary speakers were exceptional, as well as some senior researchers/experts within sessions, as they could extract past and current trends in their field in place it in a simplified context to pass on knowledge and subsequent take home messages thus very efficiency.	9/27/2021 12:16 PM
93	Manuel Barange (FAO) due to his knowledge but Prof Kaneko on behalf of Prof Tsukamoto (University of Tokyo) was the most fascinating.	9/27/2021 11:49 AM
94	Mark Bravington's talk on CKMR was interesting and engaging Charlie Huveneers talks were interesting. Culum Brown's talk was engaging and inspiring.	9/27/2021 10:17 AM
95	Not fair question as I only saw about five talks.	9/27/2021 9:18 AM
96	Martin Excels discussion was excellent.	9/27/2021 8:27 AM
97	Peter Thomson was fantastic in the opening plenary. He spoke with authority on fisheries and being good stewards of the ocean in a way that I'm sure everyone at the conference could agree with.	9/27/2021 8:27 AM
98	I missed the plenary by Meryl Williams because it was before the session I chaired which was the only other one I was interested in.	9/26/2021 10:03 AM
99	Cherie Whippy-Morris, Inspiring talk. she opening the science with human and ethical values. "Science is the result of the development and perseverance of learning and understanding the unknown. Understanding and applying science is not easy. To transfer science from generation to generation regardless of cultural differences, age and race is the correct door to the unknown. Knowledge belongs to humanity and is the torch which illuminates the world and the future generations." (Me)	9/25/2021 7:16 PM
100	Prof Alistair	9/25/2021 2:16 PM
101	All of them did an excellent work. Hard to name one	9/25/2021 2:11 PM
102	Beth Fulton and Martin Exel	9/25/2021 2:03 PM
103	Greta Pecl - great communicator. Madi Green - great communicator.	9/25/2021 12:24 PM
104	The plenary presentation Matt Osborne's 'How Indigenous fishing can enrich the national image of the fishing industry' was very well presented. His comments were a timely reminder of history and recent developments in Australia relating to Indigenous fisheries. Highlighting issues such as increasing recognition, a research agenda, developing collaborations and increasing economic opportunities for Indigenous Australians was significant.	9/25/2021 10:25 AM
105	Merry Williams for her eye opener presentation about women in fisheries	9/25/2021 3:22 AM
106	Ratana Chuenpagdee from Memorial University of Newfoundland St. John's because she always put on the table new approaches about how to see and investigate small scale fisheries	9/25/2021 1:40 AM
107	Ben Walther did an excellent job moderating the biomarkers panel and i particularly enjoyed Anna Sturrock's presentation about otolith reconstructions in chinook salmon	9/25/2021 1:37 AM

World Fisheries Congress 2021 Evaluation Survey

108	The keynote talk from Beth Fulton was particularly refreshing and interesting and really changed how I think about my research. Andre Punt's review of the future of stock assessment was also very valuable. I saw some excellent talks by students and early career researchers. I loved on-demand talks by Christine Stawitz and many others.	9/25/2021 1:27 AM
109	Experience.	9/25/2021 1:24 AM
110	Jeremy Prince was able to simplify science and his outputs are what I aspire to accomplish for my community.	9/25/2021 12:23 AM
111	There are many impressive speakers whom I learned a lot.	9/24/2021 11:44 PM
112	Beth Fulton was really cool to hear from and she had such a clear easy to follow presentation. Richard Methot led one of the discussions I went to and I was super excited to see him as the creator of Stock Synthesis. I also tended to click on any session involving Andre Punt because I knew he was a big name in fisheries modeling, I was not let down, he was an impressive speaker and very charismatic.	9/24/2021 11:41 PM
113	I was speaker myself. Each had his/her strengths.	9/24/2021 10:32 PM
114	Manuel Barange Beth Fulton Yannick Rousseau (interesting approach and topic) Adrienne Laird (great talk) Christopher Jacket	9/24/2021 10:08 PM
115	Prof. Alistair McIlgorm, because the blue economy subject will be more relevant in the coming future that all stakeholders need to be incorporated into their program/project	9/24/2021 9:46 PM
116	Not appropriate to single out individuals- everyone did their best in trying circumstances. What is the value of this question?	9/24/2021 9:44 PM
117	online congress did not allow to be impressed by the speakers, but I totally understand the only option to run the congress.	9/24/2021 8:56 PM
118	I didn't note that	9/24/2021 8:28 PM
119	Sorry I can't give a rating, because I didn't follow all of them.	9/24/2021 8:23 PM
120	Martin Exel hit it out of the park, speaking without ppt support for a half hour!	9/24/2021 8:18 PM
121	I haven't looked through all the videos but I was impressed the speed talk student winner Mary. She made her topic so simple and interesting	9/24/2021 8:18 PM
122	I think the stand out talk for me was Meryl Williams' plenary. Loved her presentation messaging, and she is such a powerhouse researcher in her field.	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM

Q6 How would you rate the opportunity to hear or present the latest developments in fisheries research, management or industry (indigenous, recreational, commercial) innovation?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Excellent	45.53%	56
Very Good	42.28%	52
Good	9.76%	12
Fair	2.44%	3
Poor	0.00%	0
TOTAL		123

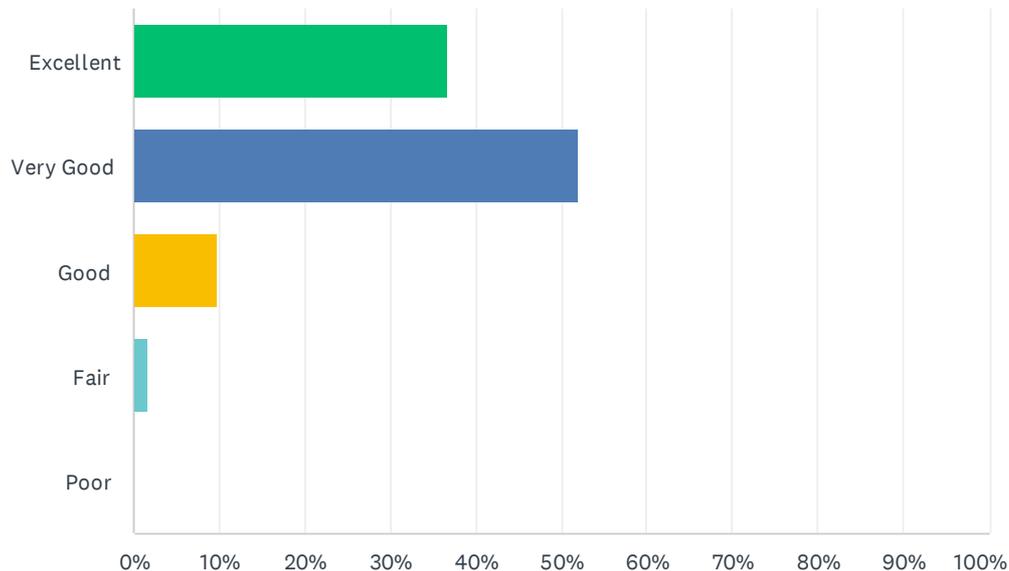
#	COMMENTS:	DATE
1	NA	10/6/2021 4:53 PM
2	I probably should have chosen a different section to present in.	10/5/2021 10:09 AM
3	It was really great to listen and learn to a wide spectrum of researches across the world.	10/4/2021 3:59 PM
4	Mostly revolved around research,	10/4/2021 12:08 PM
5	Very good	10/3/2021 8:54 AM
6	Again, the WFC was very good in that most presenters looked at the future trends, utilisation, etc.	10/2/2021 10:33 AM
7	I think it is a good opportunity to learn more about the science and are also stakeholders in this system.	10/2/2021 9:57 AM
8	Too many "streams" - spoilt for choice and couldn't watch them all and I don't have time to go back and listen to the remaining recordings	10/2/2021 7:58 AM
9	Session on protection of technologies through various Intellectual Property Rights could have been added.	10/1/2021 7:38 PM

World Fisheries Congress 2021 Evaluation Survey

10	The online experience is not a substitute for the real thing	10/1/2021 6:47 PM
11	panel discussions were insightful and entertaining	10/1/2021 5:54 PM
12	For the first time, I witnessed indigenous communities sharing the experiences devoid of the scientific jargons and sharing real experiences .	10/1/2021 5:26 PM
13	for others. not me. see above	10/1/2021 5:26 PM
14	It is always difficult in an online event to know how really useful your presentation is.	10/1/2021 4:49 PM
15	too many parallel session - but the fact that they are recorded and available to view later is brilliant	10/1/2021 4:44 PM
16	Considering the challenges of constantly having to change the format and then finally doing it all on line - it was excellent. It would have been an amazing event face to face.	9/29/2021 9:48 AM
17	It's always more complicated to interact with other congress participants when you can't talk over coffee.	9/27/2021 6:57 PM
18	Quality of home computer speaker varied	9/27/2021 6:22 PM
19	The concurrent session is such extensive meetings always prevents the visualisation of everything and the virtual occurrence further prevented mingling of people between sessions to some extent, but given the hardship of the current context, I believe that available online sessions (on-demand) will make the access to unattended sessions much more feasible than for any in-person attendance ever before!	9/27/2021 12:16 PM
20	Would have been an excellent if in person	9/27/2021 11:49 AM
21	Too many sessions at the same time, mean that cross-jurisdictional learning is not feasible (be that government, science, management, indigenous, industry, conservation). Otherwise people are simply 'preaching to the converted'. Should be less sessions and topics at same time.	9/27/2021 9:18 AM
22	Technically the opportunity existed, practically I did not participate much. I probably will not go back and listen to the recordings.	9/26/2021 10:03 AM
23	The opportunity to hear Indigenous people from a variety disciplines (fishers, managers, researchers etc) was extremely beneficial. However the geographic global spread of participants was limited and that requires some thought on how to include Indigenous peoples from for example Sami (Norway-Finland), northern Russia, Inuit , South America etc.	9/25/2021 10:25 AM
24	It was an eye opener for me. We all have similar issues but are on different developmental stages. I will definitely attend the next conference if funding allows.	9/25/2021 12:23 AM
25	I attended just this one session, so I should not judge more than that.	9/24/2021 10:32 PM
26	Very well organized sessions with ample time for discussion. Very positive experience for an online conference	9/24/2021 10:08 PM
27	The important message that will be more challenging is about how to integrate results finding from the research community to communicate with the decision-makers	9/24/2021 9:46 PM
28	Although is very good opportunity to present my work I hated the online (but necessary)	9/24/2021 8:56 PM
29	It was a very impressive opportunity.	9/24/2021 8:28 PM
30	Very open opportunities. Especially with the conditions of the corona pandemic, which opens wider and easier spaces through internet-based communication technology.	9/24/2021 8:23 PM
31	Lots of great science, a bit lower on other aspects of fisheries, but that is the way of the conference world :)	9/24/2021 8:18 PM
32	Test	9/24/2021 2:01 PM

Q7 How would you rate the talks on the latest developments in fisheries research, management or industry (indigenous, recreational, commercial) innovation?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Excellent	36.59%	45
Very Good	52.03%	64
Good	9.76%	12
Fair	1.63%	2
Poor	0.00%	0
TOTAL		123

#	COMMENTS:	DATE
1	NA	10/6/2021 4:53 PM
2	The talks were great and well prepared despite the limitations we all had in this pandemic era. I am grateful that the presentations were made available for 6 months because it would be great to watch all the other presentations and learn new things from their work.	10/4/2021 3:59 PM
3	Mostly around research not much around industry	10/4/2021 12:08 PM
4	Excellent	10/3/2021 8:54 AM
5	I think it is a good topic in fisheries research.	10/2/2021 9:57 AM
6	Great time keeping and the pre-recording of the presentations made it easy for that to be managed	10/2/2021 7:58 AM
7	some demonstrated great use of technology	10/2/2021 2:02 AM
8	Very variable. On average probably good!	10/1/2021 6:47 PM
9	see above	10/1/2021 5:26 PM
10	I like one delivered from a boat!	9/29/2021 5:57 PM

World Fisheries Congress 2021 Evaluation Survey

11	The chairs were all excellent and did a great job with the Q&A sessions	9/27/2021 6:57 PM
12	Sustainability oftakes of the global fishery into the next century in concerning	9/27/2021 6:22 PM
13	All presentations attended were very interesting and valuable to me.	9/27/2021 12:16 PM
14	Didn't see enough to comment fairly	9/27/2021 9:18 AM
15	I listened to the 2 sessions I Chaired.	9/26/2021 10:03 AM
16	From an Indigenous perspective it was notable that some presenters in other mainstream sessions included mentions and some commentary on Indigenous fisheries, revealing an increasing awareness by researchers and managers.	9/25/2021 10:25 AM
17	Some speakers should innovate in the way they present and communicate their findings, they were boring.	9/25/2021 1:40 AM
18	We could have used more indigenous perspectives at this conference.	9/25/2021 1:27 AM
19	The research is more important to be adjusted with a simple model to be easily followed by users. Intervention for the sustainable manner in fisheries management is the collaboration between academics and the market (private sectors)	9/24/2021 9:46 PM
20	Needed better engagement in the conservation side- fisheries don't operate in a vacuum	9/24/2021 9:44 PM
21	Some innovations are required to be presented physically.	9/24/2021 8:28 PM
22	very good with many publications through journals	9/24/2021 8:23 PM
23	Test	9/24/2021 2:01 PM

Q8 What do you consider are the 3 greatest challenges facing global fisheries?

Answered: 123 Skipped: 0

ANSWER CHOICES	RESPONSES	
1.	100.00%	123
2.	98.37%	121
3.	95.12%	117

#	1.	DATE
1	Data availability	10/13/2021 10:36 AM
2	Proper surveillance	10/7/2021 7:50 PM
3	Proper trace out the provenance of fishery products	10/7/2021 6:28 PM
4	climate change	10/7/2021 2:48 AM
5	The lack of inclusivity among fisheries stakeholders	10/6/2021 11:43 PM
6	Industrial Bycatch	10/6/2021 6:52 PM
7	respond to climate change	10/6/2021 4:53 PM
8	overfishing	10/6/2021 10:26 AM
9	Food security	10/6/2021 8:21 AM
10	Illegal fishing by large companies	10/6/2021 2:15 AM
11	Climate change	10/5/2021 3:48 PM
12	Climate change	10/5/2021 10:31 AM
13	Climate change	10/5/2021 10:31 AM
14	Sustainability	10/5/2021 10:09 AM
15	Pollution	10/5/2021 9:51 AM
16	threats	10/5/2021 9:19 AM
17	Lack of funding for managers/researchers	10/5/2021 9:18 AM
18	Effective resource management	10/5/2021 9:09 AM
19	Climate change	10/4/2021 7:36 PM
20	inland fisheries are underrepresented	10/4/2021 5:08 PM
21	climate change	10/4/2021 3:59 PM
22	Climate change	10/4/2021 2:36 PM
23	lack of jurisdictional collaboration	10/4/2021 1:34 PM
24	Social license	10/4/2021 12:08 PM
25	Sustainability	10/4/2021 10:57 AM
26	Climate change	10/4/2021 10:51 AM
27	Climate change	10/4/2021 10:48 AM
28	climate change	10/4/2021 10:13 AM
29	Climate change	10/4/2021 9:11 AM
30	increasing demand of production	10/4/2021 7:08 AM

World Fisheries Congress 2021 Evaluation Survey

31	Marine Pollution	10/3/2021 8:54 AM
32	IUU	10/2/2021 1:06 PM
33	adequate data collection	10/2/2021 10:54 AM
34	Industry leadership, particularly need for women	10/2/2021 10:33 AM
35	sustainability	10/2/2021 9:57 AM
36	Need to scale up aquaculture to meet forward demand	10/2/2021 7:58 AM
37	Climate change	10/2/2021 6:31 AM
38	lack of financial and technical support by governments	10/2/2021 3:47 AM
39	data availability	10/2/2021 2:02 AM
40	Biodiversity	10/2/2021 1:45 AM
41	Climate change	10/2/2021 1:36 AM
42	Establishing formal management systems	10/2/2021 1:12 AM
43	Overfishing	10/2/2021 12:00 AM
44	Overfishing	10/1/2021 11:35 PM
45	overexploitation	10/1/2021 11:29 PM
46	Climate change	10/1/2021 10:08 PM
47	Overfishing	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Overfishing and over-capitalisation	10/1/2021 8:28 PM
50	Sustainability	10/1/2021 7:38 PM
51	Climate change	10/1/2021 6:47 PM
52	Climate change	10/1/2021 6:37 PM
53	Illegal fishing	10/1/2021 6:27 PM
54	taking a more inclusive approach for women and creating gender-aware, even transformative policies	10/1/2021 6:21 PM
55	Climate change	10/1/2021 6:10 PM
56	overfishing	10/1/2021 6:04 PM
57	Poverty (overpopulation and food security - inequity in distribution of wealth)	10/1/2021 5:58 PM
58	allocation issues across sectors	10/1/2021 5:54 PM
59	Access	10/1/2021 5:38 PM
60	Climate changes	10/1/2021 5:28 PM
61	Overfishing	10/1/2021 5:26 PM
62	Overcapacity	10/1/2021 5:26 PM
63	see above	10/1/2021 5:26 PM
64	Information sharing (esp to disadvantaged communities)	10/1/2021 4:58 PM
65	Climate change	10/1/2021 4:56 PM
66	Overfishing	10/1/2021 4:52 PM
67	Coordination among countries	10/1/2021 4:49 PM
68	Sustainability	10/1/2021 4:48 PM
69	By catch in capture fisheries	10/1/2021 4:44 PM
70	Climate change	10/1/2021 4:44 PM

World Fisheries Congress 2021 Evaluation Survey

71	Climate change	10/1/2021 5:10 AM
72	Environmental	9/30/2021 12:55 PM
73	Climate change	9/30/2021 12:48 PM
74	Overfishing/ poor management	9/29/2021 5:57 PM
75	communication and transparency with stakeholders to have buy-in for fisheries management	9/29/2021 1:17 PM
76	Integration of new technologies and disciplines that can help address new challenges	9/29/2021 9:48 AM
77	Climate change	9/28/2021 10:22 PM
78	Illegal fishing	9/28/2021 9:46 PM
79	climate change	9/28/2021 2:36 PM
80	Climate change	9/28/2021 12:48 PM
81	Climate change	9/28/2021 10:51 AM
82	Depletion of fish stocks in the oceans	9/27/2021 10:36 PM
83	Climatic change	9/27/2021 7:15 PM
84	Acurratly estimating stocks	9/27/2021 6:57 PM
85	Stricter control over commercial offtakes	9/27/2021 6:22 PM
86	Lack of data	9/27/2021 5:26 PM
87	Climate change and population growth	9/27/2021 3:47 PM
88	global warming	9/27/2021 3:14 PM
89	Climate Change	9/27/2021 3:10 PM
90	inequity - social, financial, political, resource access	9/27/2021 2:20 PM
91	inadequate government investment in research & management	9/27/2021 12:28 PM
92	More accurate catch reconstructions for better stock assessment and predictions	9/27/2021 12:16 PM
93	Global food security (feeding the worlds pop/overfishing)	9/27/2021 11:49 AM
94	Overfishing	9/27/2021 10:17 AM
95	Climate change	9/27/2021 9:18 AM
96	Adequate communications	9/27/2021 8:27 AM
97	Climate change	9/27/2021 8:27 AM
98	A National / International Food plan that includes seafood production	9/26/2021 10:03 AM
99	Corruption	9/25/2021 7:16 PM
100	High uncertainty of fish stock	9/25/2021 2:16 PM
101	Emerging diseases	9/25/2021 2:11 PM
102	Climate change	9/25/2021 2:03 PM
103	Overfishing	9/25/2021 12:24 PM
104	Climate change	9/25/2021 10:25 AM
105	Climate change	9/25/2021 3:22 AM
106	climate change	9/25/2021 1:40 AM
107	Sustainable Management	9/25/2021 1:37 AM
108	Climate change	9/25/2021 1:27 AM
109	Diversity	9/25/2021 1:24 AM
110	Data paucity especially in developing countries	9/25/2021 12:23 AM
111	Overexploitation	9/24/2021 11:44 PM

World Fisheries Congress 2021 Evaluation Survey

112	Climate Change	9/24/2021 11:41 PM
113	-	9/24/2021 10:32 PM
114	Engaging fisheries in monitoring and management	9/24/2021 10:08 PM
115	declining of fish stock	9/24/2021 9:46 PM
116	Sustainably	9/24/2021 9:44 PM
117	sustainable fishing	9/24/2021 8:56 PM
118	Pollution	9/24/2021 8:28 PM
119	fishing ground competition	9/24/2021 8:23 PM
120	Global change	9/24/2021 8:18 PM
121	Overfishing	9/24/2021 8:18 PM
122	Lack of gender disaggregated data	9/24/2021 8:08 PM
123	One	9/24/2021 2:01 PM
#	2.	DATE
1	Availability of datasets to scientific community	10/7/2021 7:50 PM
2	Lacking of rapid methods for the quality tracing of seafood	10/7/2021 6:28 PM
3	overharvest	10/7/2021 2:48 AM
4	Overexploitation of resources	10/6/2021 11:43 PM
5	Climate change	10/6/2021 6:52 PM
6	management on low abundance of commercially important species	10/6/2021 4:53 PM
7	climate change	10/6/2021 10:26 AM
8	Climate change	10/6/2021 8:21 AM
9	Marine debris - plastics	10/6/2021 2:15 AM
10	Plastic pollution	10/5/2021 3:48 PM
11	Pollution	10/5/2021 10:31 AM
12	Sharing between jurisdictions and groups (commercial, indigenous, recreational)	10/5/2021 10:31 AM
13	welfare	10/5/2021 10:09 AM
14	Management of Fisheries to avoid overfishing etc	10/5/2021 9:51 AM
15	equitable management	10/5/2021 9:19 AM
16	Covid 19	10/5/2021 9:18 AM
17	Climate change	10/5/2021 9:09 AM
18	Marine pollution	10/4/2021 7:36 PM
19	data gaps	10/4/2021 5:08 PM
20	overexploitation of natural resources	10/4/2021 3:59 PM
21	Geo-political instability	10/4/2021 2:36 PM
22	lack of clarity around fishery 'goals' / what 'sustainable' fishing is	10/4/2021 1:34 PM
23	Environmental issues	10/4/2021 12:08 PM
24	Pollution	10/4/2021 10:57 AM
25	Loss of habitat	10/4/2021 10:51 AM
26	Informed management	10/4/2021 10:48 AM
27	over exploitation	10/4/2021 10:13 AM
28	competing views/interests (eg water, fish, social)	10/4/2021 9:11 AM

World Fisheries Congress 2021 Evaluation Survey

29	climate change	10/4/2021 7:08 AM
30	Stock assessment	10/3/2021 8:54 AM
31	Slavery	10/2/2021 1:06 PM
32	appropriate management response to scientific advice	10/2/2021 10:54 AM
33	Resource sustainability in some regions	10/2/2021 10:33 AM
34	equitability	10/2/2021 9:57 AM
35	Environmental impact of aquaculture	10/2/2021 7:58 AM
36	Plastic pollution	10/2/2021 6:31 AM
37	illegal, unreported and unregulated fishing	10/2/2021 3:47 AM
38	use of all available data	10/2/2021 2:02 AM
39	Species sustainability	10/2/2021 1:45 AM
40	Human overpopulation	10/2/2021 1:36 AM
41	Data-limitations	10/2/2021 1:12 AM
42	IUU fishing	10/2/2021 12:00 AM
43	Fragmented management of ecosystems	10/1/2021 11:35 PM
44	Climate change	10/1/2021 11:29 PM
45	Plastic pollution	10/1/2021 10:08 PM
46	Climate change	10/1/2021 9:29 PM
47	Marine plastics	10/1/2021 8:28 PM
48	Survival of small scale fisheries	10/1/2021 7:38 PM
49	Lack of control in the high seas	10/1/2021 6:47 PM
50	Overfishing	10/1/2021 6:37 PM
51	sustainability	10/1/2021 6:27 PM
52	over-reliance on neoliberal approaches and influence in management	10/1/2021 6:21 PM
53	Overfishing	10/1/2021 6:10 PM
54	climate change	10/1/2021 6:04 PM
55	Climate change	10/1/2021 5:58 PM
56	involving indigenous and traditional owners in fisheries management	10/1/2021 5:54 PM
57	Regulation	10/1/2021 5:38 PM
58	IUU	10/1/2021 5:28 PM
59	Allocation of resources across sectors including recreational	10/1/2021 5:26 PM
60	Subsidy for developed industrialised fleets	10/1/2021 5:26 PM
61	see above	10/1/2021 5:26 PM
62	equitable access to data, technology and "best-practices"	10/1/2021 4:58 PM
63	Climate change	10/1/2021 4:56 PM
64	IUU	10/1/2021 4:52 PM
65	Uptake of new technologies to replace sometimes obsolete, but widely used ones	10/1/2021 4:49 PM
66	Global warming	10/1/2021 4:48 PM
67	Smart fishing technology	10/1/2021 4:44 PM
68	Data quality	10/1/2021 4:44 PM
69	Overfishing	10/1/2021 5:10 AM

World Fisheries Congress 2021 Evaluation Survey

70	Social license	9/30/2021 12:55 PM
71	Habitat loss	9/30/2021 12:48 PM
72	lack of political will for legislation/ enforcement of regulations	9/29/2021 5:57 PM
73	connecting managers with the science	9/29/2021 1:17 PM
74	Climate change - adaptation (see point 1)	9/29/2021 9:48 AM
75	Biodiversity	9/28/2021 10:22 PM
76	Over fished	9/28/2021 9:46 PM
77	integrating whole of ecosystem management	9/28/2021 2:36 PM
78	Overfishing	9/28/2021 12:48 PM
79	IUU fishing	9/28/2021 10:51 AM
80	Food supply for fisheries dependent communities	9/27/2021 10:36 PM
81	Over fishing	9/27/2021 7:15 PM
82	Sustainable fishing	9/27/2021 6:57 PM
83	Deep sea trawling	9/27/2021 6:22 PM
84	Expensive research	9/27/2021 5:26 PM
85	Equitable access to resources	9/27/2021 3:47 PM
86	overfishing	9/27/2021 3:14 PM
87	Indigenous fisheries management participation/involvement	9/27/2021 3:10 PM
88	IUU	9/27/2021 2:20 PM
89	inadequate mangement systems	9/27/2021 12:28 PM
90	Adequate monitoring, policing and reporting in fisheries across countries	9/27/2021 12:16 PM
91	Climate change	9/27/2021 11:49 AM
92	climate change	9/27/2021 10:17 AM
93	Environmental, economic, and social sustainability	9/27/2021 9:18 AM
94	Needing good social, cultural and economic information	9/27/2021 8:27 AM
95	Increased demand for fish	9/27/2021 8:27 AM
96	Boats, labour, resource sharing	9/26/2021 10:03 AM
97	Conflict of interest between stakeholders	9/25/2021 7:16 PM
98	High uncertainty of sea disputes among nations	9/25/2021 2:16 PM
99	Climate change	9/25/2021 2:11 PM
100	Resource allocation	9/25/2021 2:03 PM
101	Global warming	9/25/2021 12:24 PM
102	Addressing Ecological Impacts of Commercial fisheries	9/25/2021 10:25 AM
103	Attaining food security through fisheries	9/25/2021 3:22 AM
104	unfair value chains	9/25/2021 1:40 AM
105	Enforcement	9/25/2021 1:37 AM
106	Pollution	9/25/2021 1:27 AM
107	Big areas	9/25/2021 1:24 AM
108	Western science being superior to TEK	9/25/2021 12:23 AM
109	Fragmented jurisdictional management when the resources are interconnected	9/24/2021 11:44 PM
110	Communication	9/24/2021 11:41 PM

World Fisheries Congress 2021 Evaluation Survey

111	-	9/24/2021 10:32 PM
112	Dealing with ecosystem approach; beyond single species management	9/24/2021 10:08 PM
113	ocean acidification (climate change)	9/24/2021 9:46 PM
114	Ensuring industry doesn't use child slave labour (happy to hear this will be phased out by seabos companies next year- what a joke!)	9/24/2021 9:44 PM
115	climate change	9/24/2021 8:56 PM
116	Overfishing	9/24/2021 8:28 PM
117	illegal fishing	9/24/2021 8:23 PM
118	Capacity gaps	9/24/2021 8:18 PM
119	Loss of traditional knowledge in fisheries	9/24/2021 8:18 PM
120	Disconnect between researchers, managers, policy makers, and resource users	9/24/2021 8:08 PM
121	Two	9/24/2021 2:01 PM
#	3.	DATE
1	Effects of Climate change	10/7/2021 7:50 PM
2	politically-driven inaccuracies in fisheries data	10/7/2021 2:48 AM
3	Weak governance particularly in small scale fisheries sector	10/6/2021 11:43 PM
4	IUU fishing	10/6/2021 6:52 PM
5	marine (or river) pollution	10/6/2021 4:53 PM
6	no education	10/6/2021 10:26 AM
7	Pollution	10/6/2021 8:21 AM
8	Unregulated fishing efforts	10/6/2021 2:15 AM
9	Bycatch	10/5/2021 3:48 PM
10	Economical crisis	10/5/2021 10:31 AM
11	global warming	10/5/2021 10:09 AM
12	Global warming and the challenges this brings	10/5/2021 9:51 AM
13	international cooperation	10/5/2021 9:19 AM
14	Political systems	10/5/2021 9:18 AM
15	pollution	10/5/2021 9:09 AM
16	IUU fishing	10/4/2021 7:36 PM
17	failure to bring together all relevant stakeholders for integrated management (for inland fisheries)	10/4/2021 5:08 PM
18	unsustainable fishing practices	10/4/2021 3:59 PM
19	IUU fishing	10/4/2021 2:36 PM
20	lack of basic biological knowledge of impacts of single-species fisheries on an ecosystem	10/4/2021 1:34 PM
21	Rising cost	10/4/2021 12:08 PM
22	Management	10/4/2021 10:57 AM
23	Overfishing	10/4/2021 10:51 AM
24	Integration of research with management	10/4/2021 10:48 AM
25	MCS	10/4/2021 10:13 AM
26	inclusion	10/4/2021 9:11 AM
27	lack of funding for research	10/4/2021 7:08 AM
28	Overfishing	10/3/2021 8:54 AM

World Fisheries Congress 2021 Evaluation Survey

29	Traceability in all seafood production	10/2/2021 1:06 PM
30	Climate change	10/2/2021 10:54 AM
31	Decline in appeal of being a fisheries manager	10/2/2021 10:33 AM
32	integration	10/2/2021 9:57 AM
33	Balancing recreational, traditional and commercial interests	10/2/2021 7:58 AM
34	Supply meeting demand	10/2/2021 6:31 AM
35	poor enforcement of existing legal frameworks	10/2/2021 3:47 AM
36	multi species and ecosystem related decision making	10/2/2021 2:02 AM
37	Pollution	10/2/2021 1:45 AM
38	IUU fishing	10/2/2021 1:36 AM
39	Changing conditions (e.g., climate, governance)	10/2/2021 1:12 AM
40	Traceability of fisheries products	10/2/2021 12:00 AM
41	Polution	10/1/2021 11:29 PM
42	na	10/1/2021 10:08 PM
43	Pollution (plastic etc)	10/1/2021 9:29 PM
44	Climate change	10/1/2021 8:28 PM
45	Focus on sectors which are capitalistic	10/1/2021 7:38 PM
46	Poor governance generally	10/1/2021 6:47 PM
47	Unregulated and unreported fisheries	10/1/2021 6:37 PM
48	climate issues	10/1/2021 6:27 PM
49	climate change	10/1/2021 6:21 PM
50	Demand	10/1/2021 6:10 PM
51	habitat loss for each life history phase	10/1/2021 6:04 PM
52	Illegal and unreported fishing	10/1/2021 5:58 PM
53	IUU illegal, unregulated and unreported fishing is an overwhelming problem especially for Asia	10/1/2021 5:54 PM
54	Compliance	10/1/2021 5:38 PM
55	Habitat loss	10/1/2021 5:28 PM
56	Diversity and fair treatment	10/1/2021 5:26 PM
57	Limited fisheries data to make informed decision	10/1/2021 5:26 PM
58	see above	10/1/2021 5:26 PM
59	longterm data storage and archiving of biological materials and raw data (eg otoliths, tissue samples, video files) with metadata	10/1/2021 4:58 PM
60	Climate change	10/1/2021 4:56 PM
61	Poor data availability	10/1/2021 4:52 PM
62	Communication between scientists, stakeholders, politicians...	10/1/2021 4:49 PM
63	Corporate greed	10/1/2021 4:48 PM
64	illegal and unreported catch	10/1/2021 4:44 PM
65	Conflicting objectives	10/1/2021 5:10 AM
66	Labour	9/30/2021 12:55 PM
67	Increasing anti-science agendas/populism in governments, with associated consequences for science funding.	9/30/2021 12:48 PM

World Fisheries Congress 2021 Evaluation Survey

68	IUU and destructive fishing	9/29/2021 5:57 PM
69	improving monitoring and data from data poor fisheries	9/29/2021 1:17 PM
70	understanding that people are the beginning and end of all the resolutions of challenges, not \$ or technologies - people make these last two effective	9/29/2021 9:48 AM
71	Accountability	9/28/2021 10:22 PM
72	Sustainable fish resources	9/28/2021 9:46 PM
73	plastic in the ocean	9/28/2021 2:36 PM
74	Pollution	9/28/2021 12:48 PM
75	Bycatch and cryptic mortality	9/28/2021 10:51 AM
76	Climate change	9/27/2021 10:36 PM
77	Ocean acidification	9/27/2021 7:15 PM
78	Less by-catch	9/27/2021 6:57 PM
79	Un controlled trawling in shallow coastal waters	9/27/2021 6:22 PM
80	Fisheries policy	9/27/2021 5:26 PM
81	Political instability	9/27/2021 3:47 PM
82	pollution	9/27/2021 3:14 PM
83	International relations/law	9/27/2021 3:10 PM
84	false dichotomy of protectionist conservation agenda v sustainable fisheries to address poverty	9/27/2021 2:20 PM
85	climate change	9/27/2021 12:28 PM
86	Fisher rights equality and safety across fisheries	9/27/2021 12:16 PM
87	Pollution (such as plastic)	9/27/2021 11:49 AM
88	bycatch	9/27/2021 10:17 AM
89	Pollution	9/27/2021 9:18 AM
90	Changing environments	9/27/2021 8:27 AM
91	Underpoliced / under resourced fisheries management in developing countries	9/27/2021 8:27 AM
92	Overarching science information about the effects large scale weather events I.E La Nina, El Nina, IOD have on fishery production	9/26/2021 10:03 AM
93	Environmental variations	9/25/2021 7:16 PM
94	Insufficient cooperation among nations and regions; developing countries are underrepresented	9/25/2021 2:16 PM
95	Lack of traditional knowledge to the ne generation	9/25/2021 2:11 PM
96	Overfishing on high seas	9/25/2021 2:03 PM
97	Plastic pollution / disease	9/25/2021 12:24 PM
98	Protection of Small Scale Fisheries, especially Indigenous fisheries, and the role they play in Food Security	9/25/2021 10:25 AM
99	Stock sustainability	9/25/2021 3:22 AM
100	non-participation of stakeholders	9/25/2021 1:40 AM
101	Cooperation	9/25/2021 1:37 AM
102	Poor governance, especially on the high seas	9/25/2021 1:27 AM
103	Comunity	9/25/2021 1:24 AM
104	Those with the most money get to decide agenda: Economics trump socio-ecological aspects	9/25/2021 12:23 AM
105	Environmental changes	9/24/2021 11:44 PM

World Fisheries Congress 2021 Evaluation Survey

106	Capacity Limitations	9/24/2021 11:41 PM
107	-	9/24/2021 10:32 PM
108	Avoiding bycatch	9/24/2021 10:08 PM
109	potential aquaculture development in BBNJ	9/24/2021 9:46 PM
110	Equity	9/24/2021 9:44 PM
111	ecosystem-based management	9/24/2021 8:56 PM
112	Unregulated fishing	9/24/2021 8:28 PM
113	welfare of small scale fishers	9/24/2021 8:23 PM
114	Historical paradigms	9/24/2021 8:18 PM
115	Ignorance	9/24/2021 8:18 PM
116	Climate change	9/24/2021 8:08 PM
117	Three	9/24/2021 2:01 PM

Q9 What do you consider are the greatest areas of progress and key innovations moving forward?

Answered: 123 Skipped: 0

ANSWER CHOICES	RESPONSES	
1.	100.00%	123
2.	86.18%	106
3.	79.67%	98

#	1.	DATE
1	?	10/13/2021 10:36 AM
2	Importance of women	10/7/2021 7:50 PM
3	Development of mobile app for the traceability of seafood	10/7/2021 6:28 PM
4	collaborations across borders	10/7/2021 2:48 AM
5	Technology development and adaptation in fisheries	10/6/2021 11:43 PM
6	Bycatch reduction tools	10/6/2021 6:52 PM
7	embrace new technologies to collect data	10/6/2021 4:53 PM
8	research	10/6/2021 10:26 AM
9	Precision monitoring tools	10/6/2021 8:21 AM
10	Not seen the videos yet	10/6/2021 2:15 AM
11	Bycatch reduction studies	10/5/2021 3:48 PM
12	Aquaculture	10/5/2021 10:31 AM
13	Indigenous	10/5/2021 10:31 AM
14	Our modelling is improving based on multi-species data	10/5/2021 10:09 AM
15	Using technology more	10/5/2021 9:51 AM
16	adequate research	10/5/2021 9:19 AM
17	The effect/impacts of climate change on fisheries	10/5/2021 9:18 AM
18	Human dimensions research	10/5/2021 9:09 AM
19	Fishing for nutrients as opposed to yield	10/4/2021 7:36 PM
20	for inland fisheries - this is a challenge to answer. Perhaps, better awareness of their importance, and the challenges faced.	10/4/2021 5:08 PM
21	transdisciplinary fisheries research approach	10/4/2021 3:59 PM
22	Monitoring, Control & Surveillance innovations	10/4/2021 2:36 PM
23	ecosystem-based management	10/4/2021 1:34 PM
24	Utilising technology	10/4/2021 12:08 PM
25	Machine learning	10/4/2021 10:57 AM
26	Inclusive management	10/4/2021 10:51 AM
27	Genomic technologies (particularly eDNA monitoring)	10/4/2021 10:48 AM
28	stakeholder partnership	10/4/2021 10:13 AM
29	Statistics and modelling	10/4/2021 9:11 AM

World Fisheries Congress 2021 Evaluation Survey

30	Genomics	10/4/2021 7:08 AM
31	Inventory study	10/3/2021 8:54 AM
32	IUU	10/2/2021 1:06 PM
33	Close kin	10/2/2021 10:54 AM
34	Science has progressed hugely and benefitted everyone	10/2/2021 10:33 AM
35	socio-ecology	10/2/2021 9:57 AM
36	Disease detection	10/2/2021 7:58 AM
37	Improving sustainability	10/2/2021 6:31 AM
38	human dimensions into fisheries governance	10/2/2021 3:47 AM
39	modeling of stochastic processes	10/2/2021 2:02 AM
40	Safe seafood	10/2/2021 1:45 AM
41	Ecosystem linkages in population models	10/2/2021 1:36 AM
42	Data-limited assessment methods	10/2/2021 1:12 AM
43	IoT and big data in marine and fisheries	10/2/2021 12:00 AM
44	Ecosystem-based management	10/1/2021 11:35 PM
45	Sustainable fisheries	10/1/2021 11:29 PM
46	Global interconnectedness and information exchange	10/1/2021 10:08 PM
47	Genetic/chemical studies to deliniate the stocks	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Ecological assessment	10/1/2021 8:28 PM
50	Renewed focus on sustainability	10/1/2021 7:38 PM
51	Remote monitoring	10/1/2021 6:47 PM
52	New biomarkers for analysing fish movements, habitat use, stock structure	10/1/2021 6:37 PM
53	Scientific progress	10/1/2021 6:27 PM
54	nutrition, gender and social science research	10/1/2021 6:21 PM
55	Reducing ecological imapct	10/1/2021 6:10 PM
56	improved models - various	10/1/2021 6:04 PM
57	Ecosystem-based fisheries management	10/1/2021 5:58 PM
58	close kin mark recapture, and genomics methods	10/1/2021 5:54 PM
59	not qualified to give an opinion	10/1/2021 5:38 PM
60	Technique and method development	10/1/2021 5:28 PM
61	Use of technology	10/1/2021 5:26 PM
62	Digitalisation of data collection	10/1/2021 5:26 PM
63	see above	10/1/2021 5:26 PM
64	advancing machine learning/AI/automation in data gathering	10/1/2021 4:58 PM
65	Close kin	10/1/2021 4:56 PM
66	Ecosystem approaches	10/1/2021 4:52 PM
67	Increased research directed at improving fisheries and aquaculture management	10/1/2021 4:49 PM
68	Native title	10/1/2021 4:48 PM
69	Small scale fisheries	10/1/2021 4:44 PM
70	Technology	10/1/2021 4:44 PM

World Fisheries Congress 2021 Evaluation Survey

71	Management strategy evaluation	10/1/2021 5:10 AM
72	research	9/30/2021 12:55 PM
73	Research that is beginning to enable real implementation of EBFM	9/30/2021 12:48 PM
74	Innovations to fishing gear	9/29/2021 5:57 PM
75	moving away from single species assessments	9/29/2021 1:17 PM
76	Re focus on extension of knowledge	9/29/2021 9:48 AM
77	Technology & traceability	9/28/2021 10:22 PM
78	Fish value chain improvements	9/28/2021 9:46 PM
79	Connection between countries and sharing of information	9/28/2021 2:36 PM
80	Sustainable fishing	9/28/2021 12:48 PM
81	Machine learning	9/28/2021 10:51 AM
82	Machine learning	9/27/2021 10:36 PM
83	Stimulate sustainable fisheries yeild	9/27/2021 7:15 PM
84	Biomarkers	9/27/2021 6:57 PM
85	Bringing science out into the community	9/27/2021 6:22 PM
86	Sustainable fisheries	9/27/2021 5:26 PM
87	Technological innovations	9/27/2021 3:47 PM
88	communication between national and international agencies	9/27/2021 3:14 PM
89	Genetics/genomics	9/27/2021 3:10 PM
90	Community led fisheries management, science and business development (co-development and co-management)	9/27/2021 2:20 PM
91	sharing of knowledge and expertise	9/27/2021 12:28 PM
92	EM and AI	9/27/2021 12:16 PM
93	Greater global alliances	9/27/2021 11:49 AM
94	Marine protected areas	9/27/2021 10:17 AM
95	Dialogue across and within sectors	9/27/2021 9:18 AM
96	Traceability	9/27/2021 8:27 AM
97	Creation of more and bigger marine parks	9/27/2021 8:27 AM
98	Diversity in gender and Indigenous engagement	9/26/2021 10:03 AM
99	Management strategy evaluation	9/25/2021 7:16 PM
100	Adding values to seafood products	9/25/2021 2:16 PM
101	Effective disease surveillance	9/25/2021 2:11 PM
102	Electronic monitoring	9/25/2021 2:03 PM
103	Genetic technology	9/25/2021 12:24 PM
104	Evolving Fisheries Governance Structures	9/25/2021 10:25 AM
105	Big data	9/25/2021 3:22 AM
106	More research on social topics	9/25/2021 1:40 AM
107	Remote Sensing	9/25/2021 1:37 AM
108	Multispecies models	9/25/2021 1:27 AM
109	Public politic	9/25/2021 1:24 AM
110	Co-production at every step	9/25/2021 12:23 AM
111	Use of technology (e.g. telemetry and vessel monitoring systems)	9/24/2021 11:44 PM

World Fisheries Congress 2021 Evaluation Survey

112	Management Tools	9/24/2021 11:41 PM
113	-	9/24/2021 10:32 PM
114	Machine learning and AI on species and pattern recognition	9/24/2021 10:08 PM
115	Ecosystem-based management (EBM)	9/24/2021 9:46 PM
116	A	9/24/2021 9:44 PM
117	eDNA	9/24/2021 8:56 PM
118	Pollution	9/24/2021 8:28 PM
119	information Technology	9/24/2021 8:23 PM
120	genetic tagging	9/24/2021 8:18 PM
121	Micro plastics research	9/24/2021 8:18 PM
122	Genuine efforts to understand how women engage with fisheries	9/24/2021 8:08 PM
123	One	9/24/2021 2:01 PM
#	2.	DATE
1	Mechanistic modelling	10/7/2021 7:50 PM
2	data availability	10/7/2021 2:48 AM
3	Transdisciplinary research in fisheries	10/6/2021 11:43 PM
4	Small-scale fisheries management	10/6/2021 6:52 PM
5	open source and on-line web tools for quantitative analysis	10/6/2021 4:53 PM
6	management	10/6/2021 10:26 AM
7	Modelling	10/6/2021 8:21 AM
8	Not seen the videos yet	10/6/2021 2:15 AM
9	Co management	10/5/2021 3:48 PM
10	AI	10/5/2021 10:31 AM
11	We have identified that sustainability is an issue, but we have a long way to go fixing it	10/5/2021 10:09 AM
12	transfer to magagement	10/5/2021 9:19 AM
13	Bridging the gaps between recreational/commercial fishers and the scientists	10/5/2021 9:18 AM
14	aquaculture	10/5/2021 9:09 AM
15	Advances in sustainable aquaculture	10/4/2021 7:36 PM
16	development of sustainable technologies in fisheries and aquaculture	10/4/2021 3:59 PM
17	RFMOs data sharing and collaboration	10/4/2021 2:36 PM
18	including socio-economic data in stock assessments	10/4/2021 1:34 PM
19	Sustainability practices	10/4/2021 10:57 AM
20	Incorporating economic and socio-cultural aspects	10/4/2021 10:51 AM
21	Integration of multiple disciplines to answer pressing questions	10/4/2021 10:48 AM
22	capacity building at all levels	10/4/2021 10:13 AM
23	modelling	10/4/2021 7:08 AM
24	Promote aquaculture	10/3/2021 8:54 AM
25	Catch document schemes	10/2/2021 1:06 PM
26	MSE	10/2/2021 10:54 AM
27	Fisheries managers - with the risk it has declining career appeal.	10/2/2021 10:33 AM
28	governance	10/2/2021 9:57 AM

World Fisheries Congress 2021 Evaluation Survey

29	Genetic understanding	10/2/2021 7:58 AM
30	Integrating climate research	10/2/2021 6:31 AM
31	collaboration between multi-stakeholders in fisheries management and conservatio	10/2/2021 3:47 AM
32	NA	10/2/2021 2:02 AM
33	Monitoring techniques	10/2/2021 1:36 AM
34	Including ecosystem considerations into management	10/2/2021 1:12 AM
35	Low saving energy in fisheries sector	10/2/2021 12:00 AM
36	Electronic monitoring	10/1/2021 11:35 PM
37	Conservation	10/1/2021 11:29 PM
38	Technology	10/1/2021 10:08 PM
39	Computer technologies to track vessels and monitor bycatch	10/1/2021 9:29 PM
40	Data-limited fishery assessment and management	10/1/2021 8:28 PM
41	Renewed focus on small scale fisheries	10/1/2021 7:38 PM
42	Ecosystem-based management	10/1/2021 6:37 PM
43	The inclusion of economics in fisheries management	10/1/2021 6:27 PM
44	ecosystem approaches - but needing acceleration	10/1/2021 6:21 PM
45	Sustainability	10/1/2021 6:10 PM
46	technology assisting many aspects of research	10/1/2021 6:04 PM
47	Improved governance in developing nations	10/1/2021 5:58 PM
48	working with small communities	10/1/2021 5:54 PM
49	Enhance of conservation awareness	10/1/2021 5:28 PM
50	Improved approaches in data limited fisheries assessment approaches	10/1/2021 5:26 PM
51	see above	10/1/2021 5:26 PM
52	communication between fisheries groups (scientists, managers, stakeholders)	10/1/2021 4:58 PM
53	Close kin	10/1/2021 4:56 PM
54	Stock Assessment methodologies	10/1/2021 4:52 PM
55	Increased communication among involved agents	10/1/2021 4:49 PM
56	Quota fishing	10/1/2021 4:48 PM
57	Computer power	10/1/2021 4:44 PM
58	Ecosystem based fisheries management	10/1/2021 5:10 AM
59	technology	9/30/2021 12:55 PM
60	Various innovations to enhance collection of the biological data underpinning assessments (otolith microchem, abundance estimates using eDNA, CKMR etc).	9/30/2021 12:48 PM
61	Increased capacity for managers/ governments	9/29/2021 5:57 PM
62	using genetic tools for population metrics	9/29/2021 1:17 PM
63	Willingness to explore new technologies in relation to CC	9/29/2021 9:48 AM
64	Higher level of research - applied to the real life! fisheries	9/28/2021 10:22 PM
65	Maintaining fish stocks	9/28/2021 9:46 PM
66	Advances in indigenous fishing	9/28/2021 2:36 PM
67	Ecosystem based fisheries management	9/28/2021 12:48 PM
68	Electronic monitoring	9/28/2021 10:51 AM
69	Emerging technologies	9/27/2021 10:36 PM

World Fisheries Congress 2021 Evaluation Survey

70	Minimize illegal fishing	9/27/2021 7:15 PM
71	AI learning	9/27/2021 6:57 PM
72	Global presentation of issues that are current in other countries	9/27/2021 6:22 PM
73	Aquaculture growth	9/27/2021 5:26 PM
74	Customer decision support	9/27/2021 3:47 PM
75	digital transformation	9/27/2021 3:14 PM
76	empowering Women in fisheries and with fisheries	9/27/2021 2:20 PM
77	assistance from first world nations in developing nations	9/27/2021 12:28 PM
78	Novel genetic analysis approaches (CKMP, SNIPs, DNA methylation) pushing non-invasive data collection and powerful dataset testing to model population predictions	9/27/2021 12:16 PM
79	Technology advancement	9/27/2021 11:49 AM
80	Bycatch reduction	9/27/2021 10:17 AM
81	Transparency mechanisms (electronic monitoring, traceability etc)	9/27/2021 9:18 AM
82	By-catch reduction devices	9/27/2021 8:27 AM
83	Tracking of vessels illegally fishing	9/27/2021 8:27 AM
84	Stock assessment modelling	9/25/2021 7:16 PM
85	Building resilience for local fishers	9/25/2021 2:16 PM
86	Close Kin stock assessment	9/25/2021 2:03 PM
87	Global fisheries agreements	9/25/2021 12:24 PM
88	Increasing broader stakeholder engagement in Fisheries decision making processes	9/25/2021 10:25 AM
89	Ai led technologies	9/25/2021 3:22 AM
90	More interdisciplinary research	9/25/2021 1:40 AM
91	Drone-related data collection	9/25/2021 1:37 AM
92	Next-generation stock assessment	9/25/2021 1:27 AM
93	Network	9/25/2021 1:24 AM
94	People centred economies	9/25/2021 12:23 AM
95	Data collection and database management for science-based policies	9/24/2021 11:44 PM
96	Improved Spatial Data	9/24/2021 11:41 PM
97	New monitoring tools including engagement with fishers	9/24/2021 10:08 PM
98	sustainable aquaculture	9/24/2021 9:46 PM
99	B	9/24/2021 9:44 PM
100	genomics in fisheries	9/24/2021 8:56 PM
101	Age otoliths	9/24/2021 8:28 PM
102	smart technology for fishing	9/24/2021 8:23 PM
103	socioeconomic inclusions	9/24/2021 8:18 PM
104	Improved Understanding of species	9/24/2021 8:18 PM
105	Increasing partnerships to bridge the divide between different stakeholders	9/24/2021 8:08 PM
106	Two	9/24/2021 2:01 PM
#	3.	DATE
1	Management of MPA	10/7/2021 7:50 PM
2	consideration of local communities	10/7/2021 2:48 AM

World Fisheries Congress 2021 Evaluation Survey

3	Policy innovations and advocacy for sustainable fisheries	10/6/2021 11:43 PM
4	Locally managed MPA	10/6/2021 6:52 PM
5	cooperation across various fields	10/6/2021 4:53 PM
6	technology	10/6/2021 10:26 AM
7	Large public databases	10/6/2021 8:21 AM
8	Not seen the videos yet	10/6/2021 2:15 AM
9	Fishing gear improvements	10/5/2021 3:48 PM
10	Genetic studies	10/5/2021 10:31 AM
11	AI and other smart solutions should be more widely utilised	10/5/2021 10:09 AM
12	getting politicians on board	10/5/2021 9:19 AM
13	The inclusion of indigenous fisheries into fisheries management	10/5/2021 9:18 AM
14	novel fisheries management approaches	10/5/2021 9:09 AM
15	Reducing bycatch	10/4/2021 7:36 PM
16	greater collaborative work across fields of specializations and countries	10/4/2021 3:59 PM
17	Traceability and supply chain digitisation	10/4/2021 2:36 PM
18	consideration of biodiversity targets in fisheries management goals	10/4/2021 1:34 PM
19	Understanding of fisheries	10/4/2021 10:57 AM
20	Scientific communication	10/4/2021 10:51 AM
21	Implementation of indigenous knowledge and techniques	10/4/2021 10:48 AM
22	policy development	10/4/2021 10:13 AM
23	communication between managers and scientists	10/4/2021 7:08 AM
24	Protect endangered species	10/3/2021 8:54 AM
25	integrated stock assessment	10/2/2021 10:54 AM
26	Industry is much better understanding fisheries management - how to sustain this?	10/2/2021 10:33 AM
27	transdisciplinarity	10/2/2021 9:57 AM
28	remote monitoring of fisheries and fishers (re overfishing)	10/2/2021 7:58 AM
29	Close kin mark recapture	10/2/2021 6:31 AM
30	transdisciplinarity in fisheries research	10/2/2021 3:47 AM
31	NA	10/2/2021 2:02 AM
32	Computing resources/power	10/2/2021 1:36 AM
33	Spatial considerations in population dynamics	10/2/2021 1:12 AM
34	Marine and fisheries conservation	10/2/2021 12:00 AM
35	Blue economy	10/1/2021 11:29 PM
36	na	10/1/2021 10:08 PM
37	Progress in stock assessment techniques and modeling	10/1/2021 9:29 PM
38	Incorporating local knowledge/improved communication channels	10/1/2021 8:28 PM
39	Artificial intelligence	10/1/2021 7:38 PM
40	Integrating social sciences	10/1/2021 6:37 PM
41	Studies on micro plastics	10/1/2021 6:27 PM
42	Helping local fishing community's persist	10/1/2021 6:10 PM
43	dedication and intellect of researchers	10/1/2021 6:04 PM

World Fisheries Congress 2021 Evaluation Survey

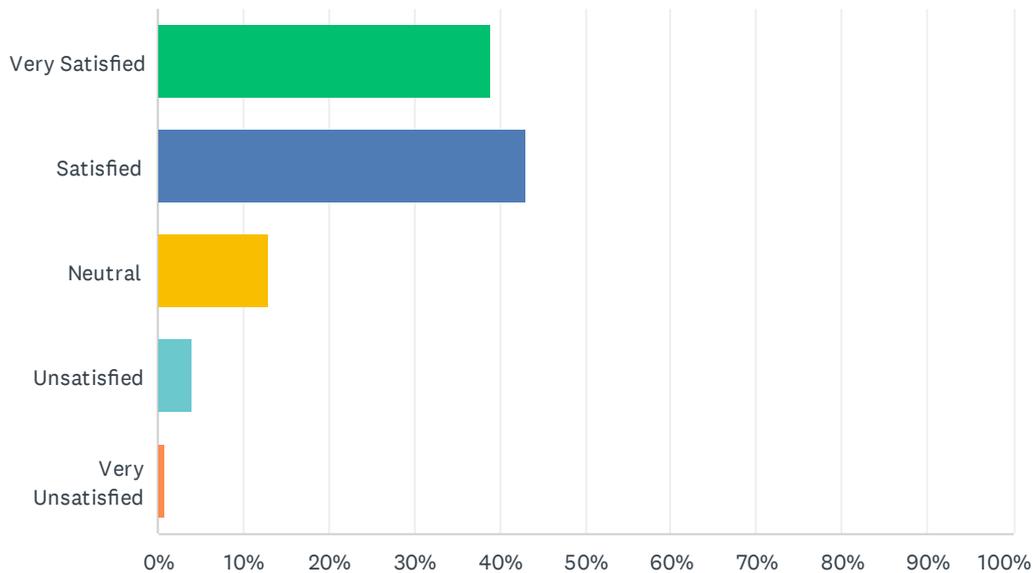
44	Overall better reporting of fisheries catches	10/1/2021 5:58 PM
45	the way we engage with stakeholders to co-design solutions to the issues that are important to them at the same time as managing the fishery	10/1/2021 5:54 PM
46	Bio-ecological knowledge	10/1/2021 5:28 PM
47	Open access and data sharing	10/1/2021 5:26 PM
48	see above	10/1/2021 5:26 PM
49	longterm research and monitoring	10/1/2021 4:58 PM
50	Close kin	10/1/2021 4:56 PM
51	Policies and legislation	10/1/2021 4:52 PM
52	development of innovative methods (genetics, remote sensing, big data)	10/1/2021 4:49 PM
53	Traditional fishing methods	10/1/2021 4:48 PM
54	community awareness of fisheries	10/1/2021 4:44 PM
55	Improved simulation and modeling frameworks	10/1/2021 5:10 AM
56	supply chains	9/30/2021 12:55 PM
57	Improved approaches for including industry in co-management and co-design approaches.	9/30/2021 12:48 PM
58	adopting technologies to enhance and streamline monitoring and data collection including in developing countries	9/29/2021 1:17 PM
59	n/c	9/28/2021 10:22 PM
60	Sustaining fishing resources	9/28/2021 9:46 PM
61	Advances in women in fisheries	9/28/2021 2:36 PM
62	Stock assessment and climate models	9/28/2021 12:48 PM
63	Climate-change mitigation strategies	9/28/2021 10:51 AM
64	Integrate indigenous knowledge with scientific knowledge to have data over longer periods of time	9/27/2021 10:36 PM
65	Improve the fish data via a research	9/27/2021 7:15 PM
66	NA	9/27/2021 6:57 PM
67	Sable fisheries development	9/27/2021 5:26 PM
68	Modelling capacity and understanding	9/27/2021 3:47 PM
69	technology used across sectors for monitoring and reporting in real-time	9/27/2021 3:14 PM
70	AI + VMS monitoring systems. Self reporting mechanisms	9/27/2021 2:20 PM
71	management systems that better involve stakeholders	9/27/2021 12:28 PM
72	Cross-collaborations and National/international research network (big data sharing platforms)	9/27/2021 12:16 PM
73	Under utilised/value adding species	9/27/2021 11:49 AM
74	Technological innovations, e.g. electronic monitoring, AIS	9/27/2021 10:17 AM
75	Alignment on key issues to achieve positive outcomes	9/27/2021 9:18 AM
76	Electronic monitoring	9/27/2021 8:27 AM
77	Better data capture	9/27/2021 8:27 AM
78	Ecosystem modelling	9/25/2021 7:16 PM
79	Promotion of international cooperation in fisheries governance	9/25/2021 2:16 PM
80	Gear technology	9/25/2021 2:03 PM
81	Climate action	9/25/2021 12:24 PM
82	FAO's Small-Scale Fisheries Guidelines	9/25/2021 10:25 AM

World Fisheries Congress 2021 Evaluation Survey

83	Aquaculture systems	9/25/2021 3:22 AM
84	Understanding resilience	9/25/2021 1:40 AM
85	Life history reconstructions	9/25/2021 1:37 AM
86	Interdisciplinary studies	9/25/2021 1:27 AM
87	Technological advancements that reduce cost of saving and more effective data collection	9/25/2021 12:23 AM
88	Recognition of the vital role traditional fisheries for better resource management	9/24/2021 11:44 PM
89	Innovated Ecosystem Modeling Techniques	9/24/2021 11:41 PM
90	modification of fishing gears	9/24/2021 9:46 PM
91	C	9/24/2021 9:44 PM
92	co-management	9/24/2021 8:56 PM
93	Japanese eels	9/24/2021 8:28 PM
94	big data for fisheries management	9/24/2021 8:23 PM
95	management strategy evaluation standardisation	9/24/2021 8:18 PM
96	Aquaculture	9/24/2021 8:18 PM
97	Increasing recognition of the importance of small-scale fisheries	9/24/2021 8:08 PM
98	Three	9/24/2021 2:01 PM

Q10 How would you rate your satisfaction level with the information provided prior to the meeting?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very Satisfied	39.02%	48
Satisfied	43.09%	53
Neutral	13.01%	16
Unsatisfied	4.07%	5
Very Unsatisfied	0.81%	1
TOTAL		123

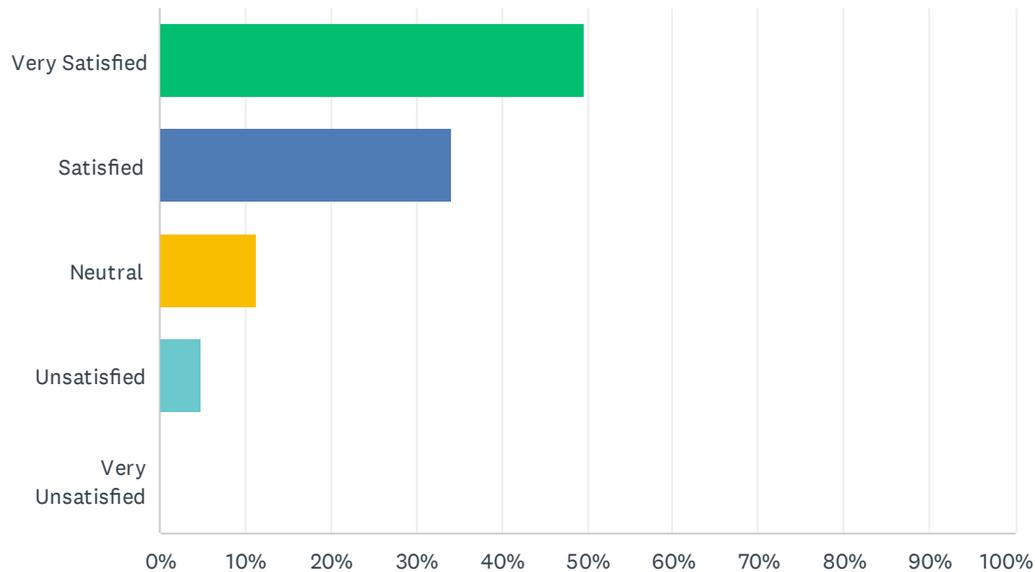
#	COMMENTS:	DATE
1	NA	10/6/2021 4:53 PM
2	I know it was difficult to go from a hybrid - online and in person to just online.	10/5/2021 9:51 AM
3	The programme was hard to navigate	10/4/2021 7:36 PM
4	Since I was also chair to one of the sessions, I need more info than others to coordinate. It was hard work to obtain, manage and plan the entire session with the uncertainty of the congress committee.	10/4/2021 2:36 PM
5	very hard to get information. often hard to understand how program and structure was going to work	10/4/2021 9:11 AM
6	Very satisfied	10/3/2021 8:54 AM
7	Think an FTF would have been more beneficial, don't believe we had the full value of our sponsorship overall	10/2/2021 1:06 PM
8	As above, almost all presenters looked at the future, not just the past.	10/2/2021 10:33 AM
9	One drawback to the vast majority of meetings is that you only really get a taste for a topic. Even with panel discussions, there is limited ability to dig deep into topics.	10/2/2021 1:12 AM
10	Emails were clear, crisp and had lot of information!	10/1/2021 7:38 PM

World Fisheries Congress 2021 Evaluation Survey

11	In many respects good BUT in the run-up to the conference we had a cephalopod session (for which we judged the merits of the papers - only one paper made it into the main conference and it wasn't our top choice). Then it finally became apparent that most of the papers and the session itself had been swept into the on-demand section. I am not aware of any advance notice of this happening.	10/1/2021 6:47 PM
12	The information provided was rather confusing and there was a lot of different emails.	10/1/2021 5:26 PM
13	Overall communication was good.	10/1/2021 4:52 PM
14	The virtual platform was a bit confusing	10/1/2021 4:49 PM
15	There was not a lot of information provided prior to the meeting. All I knew was that there was a portal, which I suppose is enough to know.	10/1/2021 5:10 AM
16	Not much info in advance	9/29/2021 5:57 PM
17	Amazingly prompt responses to queries and issues and very well briefed and supported throughout the lead up and during the conference.	9/29/2021 9:48 AM
18	It was nice to have a briefing meeting beforehand	9/27/2021 6:57 PM
19	Virtual presentation confusing at the start	9/27/2021 6:22 PM
20	Very delayed, albeit understandably. The overall schedule of talks was VERY hard to read. It was not user friendly at all. It needed to be in a typical scientific conference format - in a nicely formatted table. I printed it off to identify talks I wanted to attend, & even in hard copy form it was very difficult to separate texts and columns. everything in it was underlined and in the same colours. It was basically a woeful program format - very hard to navigate.	9/27/2021 2:20 PM
21	Jane Ham and the AOM team did a great job of keepng everyone up to date despite the twists and turns that the COVID situation presented	9/27/2021 12:28 PM
22	Lots of confusion with multiple different people and emails rather than single source. Constant confusion over things like sponsorship, speaking arrangements and so on. Definitely not helped by the pandemic from organisers perspective, and then shift from in-person to virtual.	9/27/2021 9:18 AM
23	As a Chair it would have been good to hear about managing the questions box.	9/26/2021 10:03 AM
24	Developing countries are underrepresented	9/25/2021 2:16 PM
25	12 minute presentations were great and Q&A sessions very informative	9/25/2021 2:03 PM
26	none	9/25/2021 10:25 AM
27	I was worried a few weeks before that I hadn't heard much and couldn't plan my schedule, but the portal did open a few days before so I could plan.	9/24/2021 11:41 PM
28	Adequate.	9/24/2021 10:32 PM
29	The information-sharing before and during the WFC conducted by organizing community is time-bound, and effective	9/24/2021 9:46 PM
30	Big radio silence not good	9/24/2021 9:44 PM
31	Not because of the organization itself, but due to the online nature of the congress, a lot of emails, details, links, deadlines...	9/24/2021 8:56 PM
32	The information provided before the Congress was very timely.	9/24/2021 8:28 PM
33	all information has been very well provided by email	9/24/2021 8:23 PM
34	Test	9/24/2021 2:01 PM

Q11 Overall, how satisfied were you with the virtual WFC2021?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very Satisfied	49.59%	61
Satisfied	34.15%	42
Neutral	11.38%	14
Unsatisfied	4.88%	6
Very Unsatisfied	0.00%	0
TOTAL		123

#	COMMENTS:	DATE
1	my back was killing me by the end - too much sitting!	10/5/2021 10:09 AM
2	I still have lots of presentations that I want to have a look at.	10/5/2021 9:51 AM
3	rather be in person	10/5/2021 9:19 AM
4	It was really nice that we were frequently reminded of the events leading to WFC. I think that a point for improvement next time would be to inform in advance the participants especially those enlisted to a workshop, about changes in the time schedule. Other than that, it was really great and awesome! Hats off to the technical team behind WFC2021! I really admire their hard work and effort in making this congress happen.	10/4/2021 3:59 PM
5	It would have been even better if we could have been given the option to deliver our talks 'live' rather than all of them being recorded	10/4/2021 1:34 PM
6	Very satisfied	10/3/2021 8:54 AM
7	A lot of the presentations will be reference documents.	10/2/2021 10:33 AM
8	I really appreciate that the portal is available for 6 months. The timezone difference enabled me to attend most of the live sessions, as I am based in France. I really enjoyed the congress and all the technical support provided. Thank you. I would only suggest to enable the portal to be more easily connected on a mobile phone (through an appropriate app). It does not work well on the mobile phone using Safari.	10/2/2021 3:47 AM

World Fisheries Congress 2021 Evaluation Survey

9	things were a bit hectic with the switch to online and it was hard to participate fully as an international attendee	10/2/2021 2:02 AM
10	Fantastic platform!	10/1/2021 11:35 PM
11	It would have been nice to have some live events during other time zones so that those of us far from Australia could participate in some live events like the speed chats.	10/1/2021 10:08 PM
12	Questions should be really after each talk. You forget by the end of the session what was the particular talk. Timing of talks was not ideal to follow from one concurrent session to another.	10/1/2021 9:29 PM
13	The 12-13 hour time difference made it impracticable to partake in most of the live presentations	10/1/2021 9:25 PM
14	A large part of this was the time zone. Since I am in Europe it was all taking place at night. Since I wasn't travelling way to a conference I could not avoid the duties of the day job... so in that respect a bit of a nightmare! In terms of the online experience: too much time spent on discussions among small groups of people, some low quality material getting into the main programme and very little attention given to the vast swathes of on-demand material. Some good talks nonetheless and evidently there was the option to review talks after the event (if one had time!)	10/1/2021 6:47 PM
15	I could not attend most sessions due to timetable conflicts - classes and time zone differences	10/1/2021 6:37 PM
16	superbly well managed conference all round. Very impressive	10/1/2021 6:21 PM
17	The portal was very bandwidth heavy, so there were a few buffering issues using my home internet	10/1/2021 5:58 PM
18	Having to use different systems for presenting and moderating was not ideal. I have been to other virtual conference which used better platforms. Also the conference was vastly overpriced for an online experience which I know has impacted on attendance. For example, the world rec fishing conference the ICES ASC was 25 euro. This will have reduced attendance especially from developing nations.	10/1/2021 5:26 PM
19	platform seemed good. others who had time to see it said it was very good.	10/1/2021 5:26 PM
20	It was great to have tech support online the first day. The format made it hard to watch a presentation and see what was coming up. It would have been great to have a scheduling feature (the favorites option was ok), because often I would like to watch talks in concurrent sessions. A progress bar with which talk was on during each session would have been fantastic.	10/1/2021 4:58 PM
21	The conference was wonderful, the only challenge is the various time zones and how this affected the attendance of people.	10/1/2021 4:52 PM
22	It was difficult to move from session to session because there were no times on the presentations. On my laptop I could not easily view the session talks	10/1/2021 4:44 PM
23	I tried to connect with people on the meeting hub platform, but only one person accepted my 'connect' invite.	10/1/2021 5:10 AM
24	Would have been an amazing conference in person but was still very informative and interactive virtually. The program was really full and so much to see and difficult to do with competing concurrent sessions.	9/30/2021 12:55 PM
25	As mentioned above, the presentations were excellent. Also, the online platform worked very well.	9/30/2021 12:48 PM
26	Lots of mix-ups with uploading presentations, after much chasing went up but under the wrong name. Not one person to contact and once conference had started little response (as obviously busy with the organising)	9/29/2021 5:57 PM
27	The format of the schedule was terrible. It could not be read and it was virtually impossible to try to align the 1st, 2nd etc talks in each session to try and jump between them. Some of the app features could also have been improved (being able to favourite talks to get a notification when they were coming up).	9/28/2021 10:51 AM
28	Virtual is different to face to face conferencing	9/27/2021 6:22 PM
29	In person conference preferred	9/27/2021 5:26 PM
30	this was my first WFC and I will definitely be back for every one hence forth! it was fantastic.	9/27/2021 2:20 PM

World Fisheries Congress 2021 Evaluation Survey

31	Despite being virtual I still got the 'big conference vibe' during the course of the event. Found it much easier to navigate on-line than I had anticipated.	9/27/2021 12:28 PM
32	For the bits I watched, it ran really well - congratulations to all.	9/27/2021 9:18 AM
33	I think the fully virtual platform exceeded all my expectations. Well done.	9/27/2021 8:27 AM
34	Obviously would have been better to be there and meet people in person	9/27/2021 8:27 AM
35	I didn't have the same buy in and as a group we chose to keep our virtual pod, as a small group this did not translate for us as a particularly well.	9/26/2021 10:03 AM
36	technology platform used was seamless	9/25/2021 2:03 PM
37	Miss the face to face time of conferences. My eyeballs burnt out staring at a screen for hours at a time.	9/25/2021 12:24 PM
38	Given the circumstances we find ourselves in, Covid etc, it has been the best next option.	9/25/2021 10:25 AM
39	This is the way to go in future	9/25/2021 12:23 AM
40	Face to face modality is still better.	9/24/2021 11:44 PM
41	I will be watching a few more talks, but I really enjoyed the 4-6 themed pre-recorded talks + discussion format.	9/24/2021 11:41 PM
42	All participants feel free to express their thoughts with responsibility and a good interactive of OnAir platform navigation	9/24/2021 9:46 PM
43	Do better for students	9/24/2021 9:44 PM
44	Because I could attend the Congress anywhere and move with it.	9/24/2021 8:28 PM
45	but it would be better if it was done through a face-to-face meeting	9/24/2021 8:23 PM
46	Test	9/24/2021 2:01 PM

Q12 Do you feel you had an opportunity to interact and socialise on the virtual platform and if so, what do you think worked best?

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	Not so much The chat did not work properly, contacting people was easy, but they would not necessarily respond, likely because they did not see our message. Q&A questions sometimes only focused on a few talks, the chair did not Always do a good job at asking questions to all the presenters	10/13/2021 10:36 AM
2	The Q&A sections were good.	10/7/2021 7:50 PM
3	Yes.	10/7/2021 6:28 PM
4	I did not engage in social events.	10/7/2021 2:48 AM
5	Yes. The announcement/reminders to sessions that I am interested to attend to and meeting naf connecting eith fellow participants as well as exhibitors in the meeting hub	10/6/2021 11:43 PM
6	Yes I have	10/6/2021 6:52 PM
7	No	10/6/2021 4:53 PM
8	yes	10/6/2021 10:26 AM
9	I didn't have time for this, I was only able to view talks.	10/6/2021 8:21 AM
10	No chance.	10/6/2021 2:15 AM
11	Yes, I enjoyed the "chat" where people were introducing themselves, encouraging to watch certain sessions and sharing photos of foods and experiences in the field.	10/5/2021 3:48 PM
12	It didn't work well for me. I know the opportunity was there, just didn't feel quite motivated	10/5/2021 10:31 AM
13	Yes. Enjoyed the speed dates but having an option to extend once (to 10 min) would've been good.	10/5/2021 10:31 AM
14	It was far better than i expected. It might have been even better if the audience could join in the conversation.	10/5/2021 10:09 AM
15	I didn't utilise this part of the platform as well as I could have.	10/5/2021 9:51 AM
16	not really	10/5/2021 9:19 AM
17	yes, the Q&A sessions worked well as I felt like writing the questions down as opposed to asking in person gave me time to think carefully about the question I was about to ask. The majority of questions were answered although at times it was not possible for all to be answered.	10/5/2021 9:18 AM
18	I thought the virtual platform worked exceptionally well.	10/5/2021 9:09 AM
19	Student mixer	10/4/2021 7:36 PM
20	I thought the virtual platform was very well organized	10/4/2021 5:08 PM
21	I think that being part of a workshop or an activity where people were on the same session/speed meet up was really great. It really facilitated for people to interact and establish connections.	10/4/2021 3:59 PM
22	Yes but very minimal and only during live sessions through discussion/ Q&A.	10/4/2021 2:36 PM
23	Not really - the speed meets were fun, but as with all online 'meets' they often feel so artificial and stilted	10/4/2021 1:34 PM
24	Yes , the Qand A sessions ,	10/4/2021 12:08 PM
25	Yes, discussion chat and q&a was effective.	10/4/2021 10:57 AM
26	I think the live Q&A worked really well and I liked how the platform easily allowed for following up with presenters after the sessions ended.	10/4/2021 10:51 AM

World Fisheries Congress 2021 Evaluation Survey

27	Not really. This is not a criticism of the platform at all. I just find it difficult to interact with people this way, compared to in the flesh.	10/4/2021 10:48 AM
28	I didn't have much time to interact	10/4/2021 10:13 AM
29	yes. although nothing like the real thing. opportunities to interact were very hard as well due to different time zones	10/4/2021 9:11 AM
30	no comment	10/4/2021 7:08 AM
31	I think that the topics covered are very diverse, so the opportunity to bring together several specialists around the high-level discussion tables. I suggest you extend the duration of cov	10/3/2021 8:54 AM
32	NO	10/2/2021 1:06 PM
33	A little limited - but it was a packed program. Only so many hours in the day. Should probably have attended some of the random meet 4 people sessions - but not enough time. Discussion sessions at the end of session were great - but sometimes difficult with up to 6 speakers getting questions - some getting too many and others getting none!	10/2/2021 10:54 AM
34	Limited for me because of time, but that is my problem - as the opportunity was there.	10/2/2021 10:33 AM
35	My apologies, I was unable to participate.	10/2/2021 9:57 AM
36	No, not interested in that. There were also some questions asked and not answered - I know that they are going to send those questions to the presenters, but I don't know how I find out the answers, nor do I know how to access the Q&A sessions now the conference is over (cf. the presentations themselves)	10/2/2021 7:58 AM
37	Joint question and panel sessions were great for generating interesting discussions	10/2/2021 6:31 AM
38	Not so much. It would have been better to have all people and faces visualized in a board as opposed to having to scroll down to find someone. It would have given more the sense of being in a meeting room.	10/2/2021 3:47 AM
39	no	10/2/2021 2:02 AM
40	Chat box	10/2/2021 1:45 AM
41	I did not socialize virtually, which was a large loss going virtual (social networking). I used the chat to otherwise ask questions - that was about it.	10/2/2021 1:36 AM
42	Was not able to do this much, but enjoyed seeing others take advantage of it.	10/2/2021 1:12 AM
43	Not enough	10/2/2021 12:00 AM
44	Yes! The tea/lunch breakrooms were great. Good to have videos to start a conversation	10/1/2021 11:35 PM
45	N/A	10/1/2021 11:29 PM
46	Not really because of the time difference. The messaging didn't work very well because I didn't receive notifications if someone sent me a message	10/1/2021 10:08 PM
47	No.	10/1/2021 9:29 PM
48	No	10/1/2021 9:25 PM
49	Yes - the various opportunities for casual online discussion both within and across sessions.	10/1/2021 8:28 PM
50	Meeting hubs	10/1/2021 7:38 PM
51	No. Due to the time zone difference and unavoidable demands of the day job I didn't join the virtual platform social sessions	10/1/2021 6:47 PM
52	I almost did not use this function (see previous reply)	10/1/2021 6:37 PM
53	No, not really but that couldn't be helped	10/1/2021 6:27 PM
54	As I was involved with other conferences that week, I was not able to take full advantage of the platform, but I understand the speed dating was impressive	10/1/2021 6:21 PM
55	Yes definitely, especially during live talks!	10/1/2021 6:10 PM
56	not very well	10/1/2021 6:04 PM
57	The instant messaging capacity was great, as was the live Q & A and discussion forum boxes. I also loved the live panel sessions at the end of the presentations.	10/1/2021 5:58 PM

World Fisheries Congress 2021 Evaluation Survey

58	yes, the chat and Q&A	10/1/2021 5:54 PM
59	Had an opportunity but didn't take it	10/1/2021 5:38 PM
60	Group discussion.	10/1/2021 5:28 PM
61	It was very easy for me, especially due to the timezones. Most of the conference was late at night.	10/1/2021 5:26 PM
62	Not fully, the timing of the conference made it difficult to always remain online.	10/1/2021 5:26 PM
63	a bit. i exchanged a few 'emails' with individuals	10/1/2021 5:26 PM
64	I like the instant message function and how it stayed so you didn't miss a message but it was distracting at some times. Other times I didn't mind chatting during parts of a presentation. Great to catch up and see who was 'online' at the same time, but it would have been nice to have this option able to be looked at while you were browsing the talks.	10/1/2021 4:58 PM
65	Yes	10/1/2021 4:56 PM
66	I personally found the 5min meet and greet sessions very nice. I think more of those sessions could have been planned for end of day events.	10/1/2021 4:52 PM
67	Even with the best virtual platform possible, it is very difficult to encourage and ensure social interaction virtually	10/1/2021 4:49 PM
68	Yes	10/1/2021 4:48 PM
69	Telegram or whatsapp group	10/1/2021 4:44 PM
70	Did not try	10/1/2021 4:44 PM
71	No, I think most of that is due to my time zone. However, I tried to interact with people in the meeting hub and the discussion forum on people's pre-recorded presentations, and I only got two responses. I think I sent out around 20 messages.	10/1/2021 5:10 AM
72	Yes	9/30/2021 12:55 PM
73	Yes. I was pleasantly surprised at how interactive the online platform proved.	9/30/2021 12:48 PM
74	Yes, enjoyed the social 'mixers'	9/29/2021 5:57 PM
75	it was helpful to have a chat function, separate to the Questions function, I found this created good interaction during the sessions. i didn't really have time to use the meeting hub during the day- was took busy working through all the talks	9/29/2021 1:17 PM
76	I found that a bit clunky - but I think it was good for the circumstances	9/29/2021 9:48 AM
77	Yes	9/28/2021 10:22 PM
78	I had the opportunities to interact, but there were connection problem.	9/28/2021 9:46 PM
79	Speed meet lacked numbers so got the same people a second time. The connection section was a bit daunting to locate who was relevant to contact.	9/28/2021 2:36 PM
80	Really liked the mix of discussion and Q&A. Would recommend finding another option for the on-demand talks. These sessions received, comparatively, very few views and there was virtually no time within the 8-10+ hr conference days to watch the talks. For those that were assigned this format it offered essentially no opportunity to engage (discussion section went unused) and they received little, if not no, feedback.	9/28/2021 12:48 PM
81	Yes, but I did not use it	9/28/2021 10:51 AM
82	Yes, Q/A panels	9/27/2021 10:36 PM
83	Sorry I do not try to interact with anyone because I was confused that which type of communication I have to do. Although it's good that knowing about development and technologies for better fisheries.	9/27/2021 7:15 PM
84	I fond it pretty limited. We can't really express much when writing messages, and even the video calls were limited since we were also following the sessions.	9/27/2021 6:57 PM
85	Didn't comment	9/27/2021 6:22 PM
86	No, time difference	9/27/2021 5:26 PM
87	Yes, meet and great, workshops, Q and A, discussion forums and closing drinks (for us lucky Adelaidians) all provided variable and robust platforms to interact and socialise.	9/27/2021 3:47 PM

World Fisheries Congress 2021 Evaluation Survey

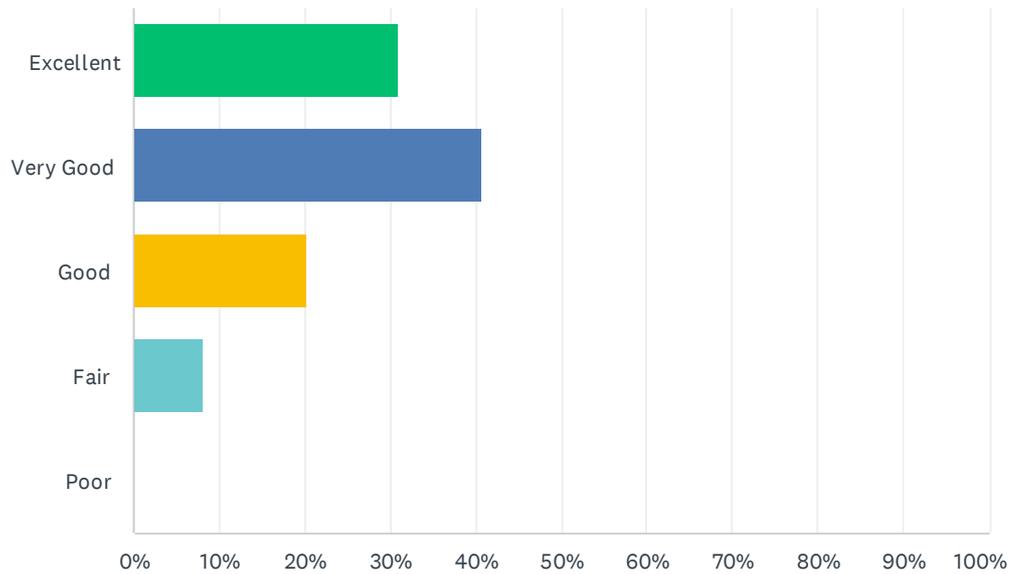
88	i mostly followed presentations	9/27/2021 3:14 PM
89	I think the opportunity to ask questions and visit stalls was there, although I didn't personally take advantage of it. And as someone manning one of the virtual stands I also didn't have many people use it.	9/27/2021 3:10 PM
90	partly. People were not using the meeting hub. I tried to contact people in that but mostly had no responses. There was also no provision of delegates emails or linked in pages or the like - that would be very helpful.	9/27/2021 2:20 PM
91	Really like the speed meet & greet sessions, got to meet some new people. I chaired a couple of sessions and found that more enjoyable than anticipated.	9/27/2021 12:28 PM
92	The meet and greet breaks were lovely despite the fact that we randomly fell with similar delegates over a few times. Very appreciated nonetheless.	9/27/2021 12:16 PM
93	Yes - the small break out rooms (meet and greet) was a great way to meet new people.	9/27/2021 11:49 AM
94	I had limited opportunity via the meet and greet sessions, chat function and special evening events e.g. the student mixer. These worked well under the circumstances.	9/27/2021 10:17 AM
95	No. I don't use those elements.	9/27/2021 9:18 AM
96	The interaction activities were never going to be the same as face to face - but in saying that - the opportunities to interact and socialise were as good as they possibly could be.	9/27/2021 8:27 AM
97	Yes. Sessions that brought people together worked well. I tried to contact people out of sessions but none of them responded to me. It would be good to have access to their email addresses in their profiles perhaps?	9/27/2021 8:27 AM
98	I didn't interact as I was focused on the Pod WISA had.	9/26/2021 10:03 AM
99	yes I had an opportunity to interact and socialise on the virtual platform, and I really like rule meeting in the break time.	9/25/2021 7:16 PM
100	Interaction during questions and answers	9/25/2021 2:16 PM
101	Yes	9/25/2021 2:11 PM
102	Yes, meeting hub was great.	9/25/2021 2:03 PM
103	You gave us a virtual opportunity, I didn't make much use of it. The chat box was OK.	9/25/2021 12:24 PM
104	Yes, but I didn't take the opportunity to explore in depth.	9/25/2021 10:25 AM
105	There were less interaction as the presentation on demand was recorded one. If it would have been an online live presentation it would have been great experience.	9/25/2021 3:22 AM
106	I did not feel it because fo my time zone and virtually is always difficult to find someone and talk.	9/25/2021 1:40 AM
107	Chat sessions worked well, but it is hard to replace meeting people in person.	9/25/2021 1:37 AM
108	Yes! I loved that we had multiple options for ways to chat with people. The chat feature I used the most frequently, but I also talked on the live stream.	9/25/2021 1:27 AM
109	Yee	9/25/2021 1:24 AM
110	Yes and no.	9/25/2021 12:23 AM
111	Not at all. Since I have classes while attending the virtual conference, I have no time to interact and socialise with other participants except those who I already knew.	9/24/2021 11:44 PM
112	The Speed Meet and Greets were fun but I wish there was more ability to "save" information about people you meet in those talks. Other than that I was disappointed in the low amount of socializing. I was in a bad time zone for the student social so I couldn't go (4:30am).	9/24/2021 11:41 PM
113	-	9/24/2021 10:32 PM
114	Discussions during the sessions were great. Socializing on the platform I found a bit more difficult. It would have been nice if you could directly link to people directly within a session instead of having to go to the people option (outside of the session)	9/24/2021 10:08 PM
115	The most impressive mechanism is about time recorder and updates status of all sessions that are being presented and optional to each participant to select based on their interested	9/24/2021 9:46 PM
116	No, but then these things are always artificial when done online	9/24/2021 9:44 PM

World Fisheries Congress 2021 Evaluation Survey

117	we are all full of online meetings, and I had no will to socialise on internet once more.	9/24/2021 8:56 PM
118	No I was not able to socialize and interact which is the downside of the Congress.	9/24/2021 8:28 PM
119	opportunity does not yet exist, because time is used for work.	9/24/2021 8:23 PM
120	To the extent I wanted to yes	9/24/2021 8:18 PM
121	Yes	9/24/2021 8:18 PM
122	The virtual platform does not have the same ability to interact and network as you would have in person, so I did feel that this was quite limited. But it also meant I felt more comfortable reaching out to people that I normally wouldn't have. The meeting hub was a bit weird though, I had to manually go in to see that I'd been sent a message which was not ideal, would have been better if we received notifications that someone had sent a message. I didn't do any socialising, I didn't feel there was really a platform for that.	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM

Q13 How accessible/easy to navigate was the OnAIR Platform?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Excellent	30.89%	38
Very Good	40.65%	50
Good	20.33%	25
Fair	8.13%	10
Poor	0.00%	0
TOTAL		123

#	COMMENTS:	DATE
1	This was not projected to be used in cellphone as well. This would be interesting to those living in countries with 8:30h of difference.	10/7/2021 7:50 PM
2	I was incredibly impressed with the platform. Everything was so easy to access and navigate.	10/5/2021 3:48 PM
3	It would have been so much useful to have the individual talks. If you want to watch a specific talk you need to watch the whole section	10/5/2021 10:31 AM
4	instructions a bit clunky	10/5/2021 9:19 AM
5	I found in order to see all the session/presentations available, I had to toggle between the OnAir Platform and the WFC Program which listed all the presentations under each session. Therefore I'd choose the most relevant presentation across all sessions then watch it on the OnAir Platform. I found this was a bit difficult to navigate at times as the fonts for the speaker names, presentation headings, and session headings were all the same size and same font.	10/5/2021 9:18 AM
6	I think the online platform used was orders of magnitude better than any other platform I have experienced for online international meetings. Easy to use, visually appealing, interactive, content rich, and fun. Congrats to all Committee members involved in pulling together the schedule of mixed live and on-demand, and on selecting the platform!!	10/4/2021 5:08 PM
7	very hard to see abstracts, speakers etc in right hand side when talks were going	10/4/2021 9:11 AM

World Fisheries Congress 2021 Evaluation Survey

8	Excellent	10/3/2021 8:54 AM
9	My apologies, I was unable to participate but I think this platform was very useful for participants.	10/2/2021 9:57 AM
10	I had to keep backing out and re-logging in, for some reason	10/2/2021 7:58 AM
11	The platform had some quirks, but overall I think it was an excellent platform for a virtual meeting.	10/1/2021 10:08 PM
12	One annoying feature was that navigating back one step (rather than clicking return to timetable) resulted in being logged out!	10/1/2021 6:47 PM
13	It would have been good to have more than one window open to see the participant list at the same time as the talks. Otherwise it got confusing some of the instant messaging back and forth.	10/1/2021 4:58 PM
14	Landing pages were not ideal but navigation got easier	9/30/2021 12:55 PM
15	would have been helpful to have the author labelled on the abstracts. The note-taking function was good- except I did loose some notes at times when jumping quickly to another session	9/29/2021 1:17 PM
16	The initial program was a little cluttered to read and decipher	9/28/2021 2:36 PM
17	Another way to view simultaneous events (e.g. mixers, speed meet and greet, and presentations) would be very helpful. I often missed events simply because the presentation line up was prioritized.	9/28/2021 12:48 PM
18	I could not access it from the WFC website. There were also the issues I mentioned previously.	9/28/2021 10:51 AM
19	Struggled at times	9/27/2021 6:22 PM
20	it was very good overall. Meeting hub would be good to have accessible at same time as a session - I had 2 browsers open to watch a session and talk to WFC colleagues at the same time. The hub for finding sessions was not customizable. I had flagged talks I wanted to catch up on but then couldn't filter by those 'stars' to re-find them.	9/27/2021 2:20 PM
21	Found the OnAIR platform very easy to use	9/27/2021 12:28 PM
22	It took a bit a getting used to, with some features not found up to the last day.	9/27/2021 12:16 PM
23	access to program and talks was fine	9/27/2021 9:18 AM
24	technology platform used was seamless	9/25/2021 2:03 PM
25	Harder on a laptop as scroll bars were sometimes blocked.	9/25/2021 12:24 PM
26	It took a little practice but it was reasonably intuitive for someone who has some experience with such platforms.	9/25/2021 10:25 AM
27	Once I logged on I really liked the interface. I was scared when I saw how confusing the static website program before logging into OnAIR, but seeing the OnAIR platform, ESPECIALLY the time zone shifting feature, was music to my eyes. My only concern was that I felt some more creative ways to explore on-demand talks would have been good. I could sort of only find those talks by the speaker's last name, which means I only saw talks by people I talked to, knew, or were recommended to me by others.	9/25/2021 1:27 AM
28	I wish there was an easier way to compare session talks happening simultaneously in platform. Pressing "esc" would close the whole program instead of just leaving full screen mode. It was sometimes hard to find the back button or "menu" so I would use the browser's back button and have to relog.	9/24/2021 11:41 PM
29	-	9/24/2021 10:32 PM
30	It would have been nice to have the platform available longer before the start of the conference. It was nice to have the local time on platform. It would have been nice to be able to generate a personal calendar on the platform, based on all the selected sessions.	9/24/2021 10:08 PM
31	This platform is easy to apply	9/24/2021 9:46 PM
32	Need ability to direct message within a session; needed ability to delete your own questions	9/24/2021 9:44 PM
33	Sometimes I would have to go back to the login page during the program	9/24/2021 8:28 PM
34	the internet network where we live is very good	9/24/2021 8:23 PM

World Fisheries Congress 2021 Evaluation Survey

35	I have trouble with the direct messaging but otherwise wonderful	9/24/2021 8:18 PM
36	Test	9/24/2021 2:01 PM

Q14 Did the virtual WFC2021 meet your expectations?

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	yes	10/13/2021 10:36 AM
2	Yes	10/7/2021 7:50 PM
3	Yes	10/7/2021 6:28 PM
4	yes	10/7/2021 2:48 AM
5	Very much!	10/6/2021 11:43 PM
6	Yes	10/6/2021 6:52 PM
7	Yes	10/6/2021 4:53 PM
8	yes.. and more!	10/6/2021 10:26 AM
9	Yes	10/6/2021 8:21 AM
10	Not really	10/6/2021 2:15 AM
11	I think it exceeded them, as we are dealing with the virus, it's hard to have expectations with entirely virtual events. However, having many of the presentations prerecorded and then having discussions definitely made the sessions smoother. Again, very impressed.	10/5/2021 3:48 PM
12	-	10/5/2021 10:31 AM
13	Yes, I was impressed with the interaction	10/5/2021 10:31 AM
14	It was far better than i thought it would be	10/5/2021 10:09 AM
15	yes	10/5/2021 9:51 AM
16	yes under the circumstances	10/5/2021 9:19 AM
17	yes	10/5/2021 9:18 AM
18	Yes, considering the impacts of not being able to attend in person.	10/5/2021 9:09 AM
19	Considering the circumstances yes, but it was hard to interact given the time difference	10/4/2021 7:36 PM
20	Yes - very much enjoyed it.	10/4/2021 5:08 PM
21	Yes, absolutely! I learned many things and met new friends.	10/4/2021 3:59 PM
22	Yes	10/4/2021 2:36 PM
23	It met my expectations of an online conference	10/4/2021 1:34 PM
24	Yes	10/4/2021 12:08 PM
25	Yes.	10/4/2021 10:57 AM
26	It was actually better than I thought it would be	10/4/2021 10:51 AM
27	Yes	10/4/2021 10:48 AM
28	Yes	10/4/2021 10:13 AM
29	yes	10/4/2021 9:11 AM
30	Yes! The organizing committee have done a great job. But the response from audience was below from my expectation, sadly	10/4/2021 7:08 AM
31	save time and expense	10/3/2021 8:54 AM
32	Disappointing, we never had the opportunity to build a platform around our sponsorship	10/2/2021 1:06 PM
33	Yes	10/2/2021 10:54 AM
34	Far exceed. Running such a large operation virtually is difficult technically and to maintain	10/2/2021 10:33 AM

World Fisheries Congress 2021 Evaluation Survey

	interest.	
35	In my case, I cannot participate in the virtual WFC2021.	10/2/2021 9:57 AM
36	Yes	10/2/2021 7:58 AM
37	Exceeded	10/2/2021 6:31 AM
38	Yes, except for the timezone difference, which was really hard to follow.	10/2/2021 3:47 AM
39	the amount of talks seemed a bit overwhelming for a virtual platform	10/2/2021 2:02 AM
40	Yes	10/2/2021 1:45 AM
41	Yes, given the virtual environment.	10/2/2021 1:36 AM
42	I think it did as well as it could given the massive size of the meeting and the constraints on time zones.	10/2/2021 1:12 AM
43	No, because the expectation attending the WFC 2021 in Adelaide	10/2/2021 12:00 AM
44	Yes!	10/1/2021 11:35 PM
45	Yes	10/1/2021 11:29 PM
46	Yes	10/1/2021 10:08 PM
47	Kind of. I would rather be there in person.	10/1/2021 9:29 PM
48	No	10/1/2021 9:25 PM
49	Yes	10/1/2021 8:28 PM
50	Yes	10/1/2021 7:38 PM
51	Not really, although it was MUCH better than the previous online fisheries conference I attended, as it should have been given that it was almost 20 times more expensive!!	10/1/2021 6:47 PM
52	Roughly	10/1/2021 6:37 PM
53	Yes	10/1/2021 6:27 PM
54	yes	10/1/2021 6:21 PM
55	Yes.	10/1/2021 6:10 PM
56	yes	10/1/2021 6:04 PM
57	It was my first virtual conference and although it was a different experience to an in-person congress, it was still worthwhile for exchange of information and interaction. I am looking forward to exploring the online goldmine of recorded presentations over the next few months. It is nice to have the opportunity to view concurrent sessions that you missed - that is a definite advantage over the in-person congress.	10/1/2021 5:58 PM
58	yes	10/1/2021 5:54 PM
59	Yes	10/1/2021 5:38 PM
60	Basically YES.	10/1/2021 5:28 PM
61	Unfortunately not, as attendance at the session that I convened was limited and I didn't feel that we showcased the rec fishing work in the way that I had hoped.	10/1/2021 5:26 PM
62	Yes but not fully	10/1/2021 5:26 PM
63	no	10/1/2021 5:26 PM
64	It was great, well run and the conference adapted very well to an online only format.	10/1/2021 4:58 PM
65	Yes	10/1/2021 4:56 PM
66	Yes and more. Overall I was very impressed	10/1/2021 4:52 PM
67	Difficult to say for an online event. I am sure if i had been there in person, i would reply it met my expectations at >90%, but virtually, unfortunately i cannot say that. not WFC2021's fault, but the current covid situation's faults.	10/1/2021 4:49 PM
68	Not sure	10/1/2021 4:48 PM
69	Not really	10/1/2021 4:44 PM

World Fisheries Congress 2021 Evaluation Survey

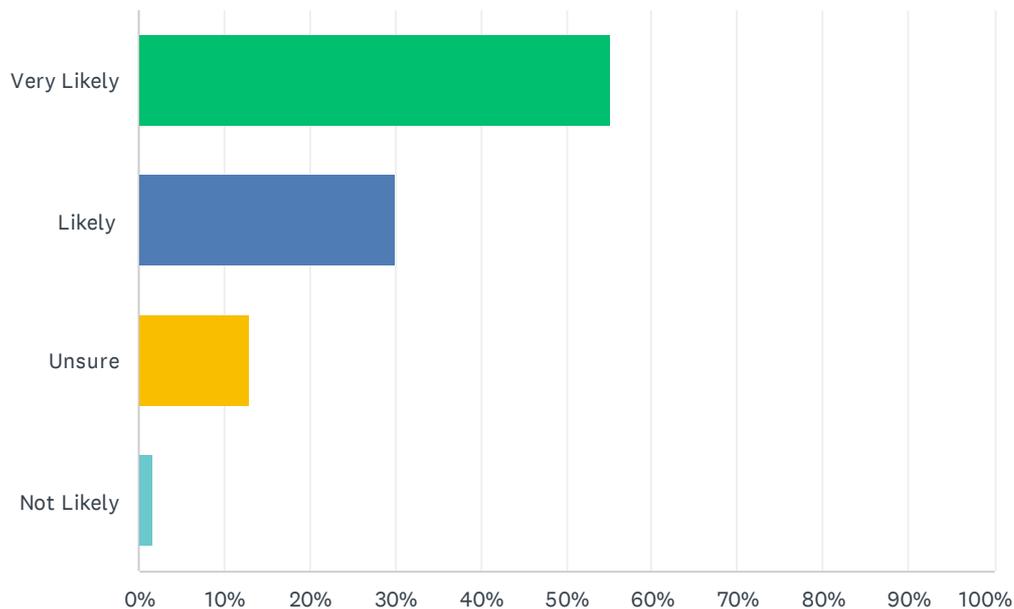
70	Yes	10/1/2021 4:44 PM
71	No, I thought there would be opportunities to network despite being in the eastern coast of the United States, but there was not any unless I wanted to be nocturnal for the week.	10/1/2021 5:10 AM
72	Yes	9/30/2021 12:55 PM
73	Yes	9/30/2021 12:48 PM
74	Not as engaging as hoped and the logistics mix-ups were an issue.	9/29/2021 5:57 PM
75	yes	9/29/2021 1:17 PM
76	Yes	9/29/2021 9:48 AM
77	Yes	9/28/2021 10:22 PM
78	Yes	9/28/2021 9:46 PM
79	Exceeded them	9/28/2021 2:36 PM
80	Absolutely. The best format for an online conference I've participated in. A few areas to grow in the future (see above comments) but a great event overall.	9/28/2021 12:48 PM
81	Partly. I was surprised that there was not a response to shows such as Seaspiracy	9/28/2021 10:51 AM
82	Yes	9/27/2021 10:36 PM
83	Yes	9/27/2021 7:15 PM
84	Yes, it was very well organized	9/27/2021 6:57 PM
85	Too tedious virtual presentations over 4 day period, perhaps broken up into say spread over a 4 week period	9/27/2021 6:22 PM
86	Yes,	9/27/2021 5:26 PM
87	Exceeded	9/27/2021 3:47 PM
88	absolutely	9/27/2021 3:14 PM
89	Yes, very impressive move to completely online at short notice.	9/27/2021 3:10 PM
90	yes	9/27/2021 2:20 PM
91	2021 was above my expectations	9/27/2021 12:28 PM
92	I think so yes.	9/27/2021 12:16 PM
93	Yes	9/27/2021 11:49 AM
94	I was impressed by how smoothly all the technology worked and the ease of navigating the OnAir platform. The fact that the talks are available for 6 months is also great.	9/27/2021 10:17 AM
95	yes	9/27/2021 9:18 AM
96	exceeded all my expectations. I think there will be much tech and opportunities from this conference that will come the norm at future conferences - regardless if they are face to face or not.	9/27/2021 8:27 AM
97	It was well run and well managed given the circumstances of having to do it all remotely.	9/27/2021 8:27 AM
98	It was about what I expected and potentially allowed people to participate however the change to virtual meant programming in relevant blocks seemed to suffer by being a bit mismatched in subject matter. This may be able to be fixed with different expectations and time frames	9/26/2021 10:03 AM
99	absolutely yes	9/25/2021 7:16 PM
100	Yes, excellent	9/25/2021 2:16 PM
101	Yes	9/25/2021 2:11 PM
102	beyond expectations. Really enjoyed the online nature of the conference. Felt closer to those from overseas.	9/25/2021 2:03 PM
103	It did well for a virtual conference under difficult circumstances. Would have been good to have State or regional hubs to have people come together.	9/25/2021 12:24 PM
104	Yes and exceeded them in terms of the space created for Indigenous participation.	9/25/2021 10:25 AM

World Fisheries Congress 2021 Evaluation Survey

105	Yeah most of the expectations were fulfilled.	9/25/2021 3:22 AM
106	I prefere precense format	9/25/2021 1:40 AM
107	Yes	9/25/2021 1:37 AM
108	Yes.	9/25/2021 1:27 AM
109	Yes	9/25/2021 1:24 AM
110	Yes	9/25/2021 12:23 AM
111	Yes but I can better concentrate realizing the expected learning outcomes of this scientific activity if I am sitting down in a face-to-face conference venue away from work.	9/24/2021 11:44 PM
112	Yes! It was a lot of great, professional, live virtual talks and discussions. I wish there were more opportunities to network or a job board of sorts but the talks were amazing.	9/24/2021 11:41 PM
113	-	9/24/2021 10:32 PM
114	Yes, in fact it was better than I had expected.	9/24/2021 10:08 PM
115	Yes, sure! I can learn much from the other presenter of the most updated science and technology in the fisheries sector, and a good opportunity to link with some potential partners for future collaboration	9/24/2021 9:46 PM
116	Yes	9/24/2021 9:44 PM
117	no, but i was already in denial.	9/24/2021 8:56 PM
118	Yes relatively	9/24/2021 8:28 PM
119	Yes. Just sorry, our English skill is very poor	9/24/2021 8:23 PM
120	Yes	9/24/2021 8:18 PM
121	Yes very much	9/24/2021 8:18 PM
122	Yes, the virtual format was better than I expected even though there are limitations	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM

Q15 How likely are you to attend future World Fisheries Congresses?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very Likely	55.28%	68
Likely	30.08%	37
Unsure	13.01%	16
Not Likely	1.63%	2
TOTAL		123

#	COMMENTS:	DATE
1	For a virtual conference, very good !	10/13/2021 10:36 AM
2	I hope there would be more grants and awards so that there would more participants from developing countries that could attend and present their research in WFC	10/6/2021 11:43 PM
3	I hope that next time it can be in person but if it's virtual, I hope it'll be run as smoothly as this year.	10/5/2021 3:48 PM
4	Im not likely to cross the globe to attend, but if its reasonably local i would.	10/5/2021 10:09 AM
5	Not sure I will be able to travel outside Australia to attend, but would consider if I was able to attend online.	10/5/2021 9:51 AM
6	Likely if it is in person, not likely if it is virtual again.	10/5/2021 9:18 AM
7	Depends on funding!	10/4/2021 5:08 PM
8	I hope those will not be online	10/4/2021 7:08 AM
9	Very likely	10/3/2021 8:54 AM
10	ONLY if it is FTF	10/2/2021 1:06 PM
11	This was the best virtual conference I have attended	10/1/2021 11:35 PM
12	If we can go back to face-to-face conferences it would become a more attractive option.	10/1/2021 6:47 PM

World Fisheries Congress 2021 Evaluation Survey

13	this was my first and it exceeded my expectations	10/1/2021 5:54 PM
14	My area is economics rather than biology	10/1/2021 5:38 PM
15	we are rarely allowed to travel internationally	10/1/2021 5:26 PM
16	depending on when and where and on if i have funding to attend	10/1/2021 4:49 PM
17	If there is a virtual platform for next WFC.	9/30/2021 12:55 PM
18	would very much like to attend but the reality is my work is unlikely to support attending an international event in person. If a virtual option was available, this would no doubt make it a stronger possibility for attending a future event.	9/29/2021 1:17 PM
19	I hope you invite me again to speak about fisheries, traceability, or labor onboard conditions, I will be happy to speak again!	9/28/2021 10:22 PM
20	It would depend whether there was a virtual component. Attending in person may be very expensive and difficult with Covid restrictions	9/28/2021 10:51 AM
21	Global info perhaps on a yearly or bi-yearly basis	9/27/2021 6:22 PM
22	It's not my industry and we talked our bosses into funding our participation based that it was in our home town (no further costs). If we can attend virtually in the future I would love to attend again.	9/27/2021 3:47 PM
23	Plan on being at WFC Seattle	9/27/2021 12:28 PM
24	Hopefully in-person though. With the on-demand option to watch all the other concurrent sessions for a given time period post-event.	9/27/2021 12:16 PM
25	My focus is only on Australia. Unlikely to go to international settings.	9/27/2021 8:27 AM
26	Limited by work not supporting overseas travel.	9/25/2021 12:24 PM
27	To ensure an Indigenous participation is maximised.	9/25/2021 10:25 AM
28	The costs are high, even only for registration.	9/25/2021 1:40 AM
29	it's very good momentum to explore the science and innovative technology to be adopted in sustainably manners by all users, therefore it is needed to organize the next coming WFC in a hybrid model (in person and online)	9/24/2021 9:46 PM
30	if we can meet presencially.	9/24/2021 8:56 PM
31	Because I enjoyed the sessions I attended.	9/24/2021 8:28 PM
32	The possibility to attend is very large, to improve English communication and gain knowledge of international fisheries developments.	9/24/2021 8:23 PM
33	Test	9/24/2021 2:01 PM

Q16 Please identify any suggestions for improvements to assist the organising committee for future World Fisheries Congresses.

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	no	10/13/2021 10:36 AM
2	If it is online, I would suggest a platform to be also used in cellphone.	10/7/2021 7:50 PM
3	They should supply all individual presentation information earlier.	10/7/2021 6:28 PM
4	Aim to include as much diversity as possible, in terms of countries, ideas, demographics, and types of fisheries included.	10/7/2021 2:48 AM
5	NA	10/6/2021 11:43 PM
6	None	10/6/2021 6:52 PM
7	Extend presentation time at least 15 minutes.	10/6/2021 4:53 PM
8	none	10/6/2021 10:26 AM
9	None	10/6/2021 8:21 AM
10	Too many On-Demand papers. No way of knowing how many viewed each video.	10/6/2021 2:15 AM
11	I truly don't have anything I can suggest. I think the event was wonderful.	10/5/2021 3:48 PM
12	-	10/5/2021 10:31 AM
13	Hybrid option would be good to maintain - travel will be messy and expensive for a while.	10/5/2021 10:31 AM
14	Chairs could be able to invite audience members to ask questions using audio	10/5/2021 10:09 AM
15	The search function for guest speakers had a couple of issues, if the search was in lower or upper case. I know someone was presenting, but I was unable to find them after searching. Encourage exhibitors to have videos or information on their booth sites, so that if people visit they have something to look at.	10/5/2021 9:51 AM
16	More social interactions if virtual	10/5/2021 9:19 AM
17	Given the uncertainty of covid-19 is what significantly affected the organisation and restructuring of the WFC, I think it was done quite well.	10/5/2021 9:18 AM
18	Continue to provide a virtual platform as an option.	10/5/2021 9:09 AM
19	Having more social events in the evening (your local time) to accommodate for those in Europe.	10/4/2021 7:36 PM
20	No specific recommendations	10/4/2021 5:08 PM
21	If there could be subsidized fees/travel grants for participants coming from less developed countries.	10/4/2021 3:59 PM
22	Avoid combining too many different themes in one session e.g. the Supply Chains, Traceability & Marketing session as it became a mixed bag of issues to try to tackle and lost its focus.	10/4/2021 2:36 PM
23	n/a	10/4/2021 1:34 PM
24	More direct industry related content	10/4/2021 12:08 PM
25	I thought some of the panel sessions went a little too long.	10/4/2021 10:57 AM
26	I think having the presentations recorded should be kept for all future congresses even if they are in person.	10/4/2021 10:51 AM
27	I don't have any suggestions, sorry	10/4/2021 10:48 AM
28	Have more Pacific Island presenters	10/4/2021 10:13 AM

World Fisheries Congress 2021 Evaluation Survey

29	more effort on inland waters and broader definition of fisheries (fish and fisheries) to include conservation as well	10/4/2021 9:11 AM
30	It was excellent, keep up the spirit. If there is anyway to increase number of audience for different sessions, would be great	10/4/2021 7:08 AM
31	Organize the face-to-face congress if sanitary conditions improve	10/3/2021 8:54 AM
32	FTF	10/2/2021 1:06 PM
33	none	10/2/2021 10:54 AM
34	The important thing is to ensure the presenters focus on the implications for the FUTURE.	10/2/2021 10:33 AM
35	I suggest to the future organizing committee consider the recordings of each speaker and someone can access them.	10/2/2021 9:57 AM
36	The whole thing was way too long - if I had been able to go to Adelaide I would have needed to duck in and out of congress to attend to other work. I think some of the more detailed presentations would have been better done by posters (whole program needed pruning)	10/2/2021 7:58 AM
37	In person meeting strongly preferred but I liked holding all the questions to the end	10/2/2021 6:31 AM
38	Make the online portal easy to access on mobile phone. At times I wanted to watch presentation using my mobile phone and it doesn't work very well on Safari. It would have been better to have an appropriate app to follow the congress.	10/2/2021 3:47 AM
39	NA	10/2/2021 2:02 AM
40	No suggestion	10/2/2021 1:45 AM
41	This is truly hard to answer given the unique situation this time.	10/2/2021 1:36 AM
42	Nothing at this time, as I hope the next is in person!	10/2/2021 1:12 AM
43	Offline congress is expected.	10/2/2021 12:00 AM
44	I liked the mix of early-career scientists and senior scientists as keynote speakers and panelists. Please keep for future congresses	10/1/2021 11:35 PM
45	Book of abstracts	10/1/2021 11:29 PM
46	No comments	10/1/2021 10:08 PM
47	I would prefer to have less talks, but on more general subjects. Huge Fisheries Congress is not exactly the venue to report PhD student findings or studies of regional importance.	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Less themes/topics Less onus on session chairs to individually rank submitted abstracts	10/1/2021 8:28 PM
50	More funding opportunities can be provided to students and researchers	10/1/2021 7:38 PM
51	Better communication with session convenors, especially if sessions are going to be removed from the programme	10/1/2021 6:47 PM
52	N/A	10/1/2021 6:37 PM
53	it was run very well considering it had to be online	10/1/2021 6:27 PM
54	-	10/1/2021 6:21 PM
55	NA	10/1/2021 6:10 PM
56	given the limitations, it was well organised.	10/1/2021 6:04 PM
57	It was a little disorienting and clunky chairing from the zoom sessions with the 20 sec time delay. Having that in synch would be much easier!	10/1/2021 5:58 PM
58	Thanks very much to the organising committee and to Ebony and Janissa!	10/1/2021 5:54 PM
59	In the circumstances it was great	10/1/2021 5:38 PM
60	Everything is good for me besides attendance and travel limitations.	10/1/2021 5:28 PM
61	I felt that there should have been more reduction in the sessions in development of the programme. For example, there were initially 3 rec sessions that should have been merged into 1 at the start. I feel that this would have provided a more coherent programme and saved a lot of time in the long run.	10/1/2021 5:26 PM

World Fisheries Congress 2021 Evaluation Survey

62	The next congress should be held in a developing country	10/1/2021 5:26 PM
63	no suggestions	10/1/2021 5:26 PM
64	Being able to adjust your own 'window'. I liked watching presentations full screen but the chat and Q&A were sometimes interesting to keep track of too.	10/1/2021 4:58 PM
65	N/a	10/1/2021 4:56 PM
66	In the case of virtual events perhaps consideration can be given to timezone differences but I realize this is difficult.	10/1/2021 4:52 PM
67	perhaps some more "flash talks" so that we can fit more people and, of course, make sure there is enough time for interaction, long coffee and lunch breaks etc...	10/1/2021 4:49 PM
68	None	10/1/2021 4:48 PM
69	The main topic have to choose by existing condition	10/1/2021 4:44 PM
70	Nil	10/1/2021 4:44 PM
71	Events for different time zones and notifications if people write a message on your pre-recorded presentation.	10/1/2021 5:10 AM
72	Organizing committee did a first class job under the circumstances, hats off to them all.	9/30/2021 12:55 PM
73	No suggestions - I think you could do the same again!	9/30/2021 12:48 PM
74	Would be good to host some live sessions for different time zones.	9/29/2021 5:57 PM
75	include a virtual component so internationals that are not supported to travel through work can still partake in the information sharing. A group virtual registration would have been useful- i.e. so a few people from a single work location could all call in together	9/29/2021 1:17 PM
76	I think it would be great to have this breadth of program at a face to face congress.	9/29/2021 9:48 AM
77	n/a	9/28/2021 10:22 PM
78	For me very organized, if possible face to face presentation will be consider in future.	9/28/2021 9:46 PM
79	A short explanation in the program of what each Plenary was about would be useful	9/28/2021 2:36 PM
80	Another way to view simultaneous events (e.g. mixers, speed meet and greet, and presentations) would be very helpful. I often missed events simply because the presentation line up was prioritized. Would recommend finding another option for the on-demand talks. These sessions received, comparatively, very few views and there was virtually no time within the 8-10+ hr conference days to watch the talks. For those that were assigned this format it offered essentially no opportunity to engage (discussion section went unused) and they received little, if not no, feedback.	9/28/2021 12:48 PM
81	Please maintain a virtual component to any future conferences. Also, having the recordings accessible for a period after the conference allows people to catch up on research they missed during the live event.	9/28/2021 10:51 AM
82	NA	9/27/2021 10:36 PM
83	My view is that, A congress must be held at their place and at a moments 3 session tracks are running if possible 2 tracks will move or increase the days of the congress for getting knowledge from all sessions.	9/27/2021 7:15 PM
84	Nothing that I can think of	9/27/2021 6:57 PM
85	As this was the first virtual presentation due to Covid, if others are contemplated sitting in front for lengthy periods in front of the computer is very tiring and hard to concentrate	9/27/2021 6:22 PM
86	Develop a proper program with times of each talk and printable	9/27/2021 5:26 PM
87	I think you have it covered ! I was really impressed with the inclusivity of speakers from all backgrounds and scales within the industry and the culture that permeated throughout the congress from this. Well done !	9/27/2021 3:47 PM
88	None, very well organised event under the circumstances we live in. Well done to all	9/27/2021 3:14 PM
89	N/A	9/27/2021 3:10 PM
90	for future in-person conferences it would be great to keep a way to record the sessions so that delegates can catch up missed sessions later. This is invaluable and I am looking forward to hearing even more. Also be great to have a way for people to virtually join even if	9/27/2021 2:20 PM

World Fisheries Congress 2021 Evaluation Survey

they can't travel. See above on suggestions on formatting the program document. If the virtual platform was used again there are a few improvements.

91	I was involved with the earliest stages of planning for 2020 back in 2015-2017 so what can I say! We were very clear that this was an Australia&New Zealand event. I think future committees cannot go wrong if they continue to be inclusive and work hard to ensure industry groups (commercial and recreational) and management bodies are involved alongside indigenous people.	9/27/2021 12:28 PM
92	On-demand access to recorded sessions of the meeting would be a fantastic feature to keep for all future events!	9/27/2021 12:16 PM
93	Nil	9/27/2021 11:49 AM
94	This conference could be every 2 years instead of 4.	9/27/2021 10:17 AM
95	Less simultaneous sessions and more either plenary or just maybe two streams to encourage interactions across disciplines. That will mean less speakers which in turn will raise level of speakers. Panels are good.	9/27/2021 9:18 AM
96	I felt the discussion sessions after the presentations were possible a little long. I would have preferred Q&A session after each live talk - with possible the panel discussions at the end of the session being a little shorter.	9/27/2021 8:27 AM
97	A pre-survey asking people what they want to get out of the conference and the type of people they would like to meet. This would allow you to match and make recommendations of people that we should reach out to. This would be beneficial for a online only conference where it is hard to know who else is participating, besides those who present.	9/27/2021 8:27 AM
98	Please continue to maintain relationships with Women in Seafood Australasia.	9/26/2021 10:03 AM
99	I would like also a session of corruption in fishery!	9/25/2021 7:16 PM
100	More time for questions and answers More stories from developing countries	9/25/2021 2:16 PM
101	Very well managed and organized. The only problem I faced was the difference in time zone. 8.30 am in Australia was too early in the morning for us.	9/25/2021 2:11 PM
102	More industry speakers	9/25/2021 2:03 PM
103	Great idea to record talks and make them available after the symposium. Always end up with talks I want to see in concurrent sessions.	9/25/2021 12:24 PM
104	Maintain an Indigenous presence on the organising committee and try to appoint some international Indigenous participants.	9/25/2021 10:25 AM
105	There should be live presentation opportunity for all the registered presenters and they should be provided a certificate of participation.	9/25/2021 3:22 AM
106	Decrece the costs and presence format.	9/25/2021 1:40 AM
107	Providing links for presenters and panelists a little earlier would be appreciated.	9/25/2021 1:37 AM
108	See above comments about exploring on demand talks. I also know it's not possible, but I would reallllly love if some of the talks by high-impact / senior people in the field were not solely live (could they be recorded?) -- for me, there were several live talks I missed because they were at 3 am in my local time zone; I'm sure others had a similar experience. I *really* appreciated the coordinating staff that helped all the talks run smoothly. They were really wonderful and I didn't see a single hitch the whole time.	9/25/2021 1:27 AM
109	D'ont haver.	9/25/2021 1:24 AM
110	Session for each region or continent. The costs are high for many developing countries to attend.	9/25/2021 12:23 AM
111	No more. Congratulations to the organizers for the job well done!	9/24/2021 11:44 PM
112	More networking! I would have loved some more meet and greets or region specific bigger socials.	9/24/2021 11:41 PM
113	-	9/24/2021 10:32 PM
114	Making the planning of sessions to participate in easier, also well before the conference.	9/24/2021 10:08 PM
115	Need to engage more and more small scale fishermen (indigenous coastal communities) representative to share their local wisdom, need also to consider for providing the certificate of participation	9/24/2021 9:46 PM

World Fisheries Congress 2021 Evaluation Survey

116	See above, particularly ensuring students are scheduled at better time slots and less homage is paid to the big wigs. Students are the future- ensure they have a good experience and they will turn up for the rest of their career	9/24/2021 9:44 PM
117	difficult to say, because online meetings are very different from presencial congresses.	9/24/2021 8:56 PM
118	None	9/24/2021 8:28 PM
119	it's been very good	9/24/2021 8:23 PM
120	If future congresses could keep teh combined Q&A of speakers, helps it be more congenial	9/24/2021 8:18 PM
121	Maybe test the speed talkers visual and audios also before going online like the live-streamed presentations	9/24/2021 8:18 PM
122	No suggestions for an in-person conference, but if is another virtual event, I would suggest you consider extending the number of days and making them shorter, or cutting down the program. It is exhausting to sit at a computer screen for such long hours, particularly when the breaks are so short and don't allow enough time to take a break from your screen between sessions.	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM

Q17 Please let us know one thing you were looking forward to doing had you been able to travel to Adelaide.

Answered: 123 Skipped: 0

#	RESPONSES	DATE
1	?	10/13/2021 10:36 AM
2	To learn the Australian accent. This is difficult.	10/7/2021 7:50 PM
3	Beautiful Adelaide	10/7/2021 6:28 PM
4	Trekking in Tasmania.	10/7/2021 2:48 AM
5	Looking forward to have a face to face interaction with other participants! As well as have an experience of what Adelaide has to offer - both in scenery and food	10/6/2021 11:43 PM
6	City and Local fisheries tour	10/6/2021 6:52 PM
7	Enjoy wine.	10/6/2021 4:53 PM
8	I live here!	10/6/2021 10:26 AM
9	Meeting colleagues in person.	10/6/2021 8:21 AM
10	Not applicable.	10/6/2021 2:15 AM
11	Seeing a bit of Australia, I haven't been able to get to that part of the world yet and hope that one day I can!	10/5/2021 3:48 PM
12	Being in a new city	10/5/2021 10:31 AM
13	Seeing my coauthors	10/5/2021 10:31 AM
14	face to face over wine and food	10/5/2021 10:09 AM
15	Meet with people from around Australia who were involved with rec fishing.	10/5/2021 9:51 AM
16	Meeting national and international colleagues!!!!	10/5/2021 9:19 AM
17	Networking in person with other friends and colleagues. The after conference events in the evening.	10/5/2021 9:18 AM
18	Talking to people face to face in a more casual environment.	10/5/2021 9:09 AM
19	Meeting other scientists in person	10/4/2021 7:36 PM
20	Network, in person, with people, especially those outside of my usual area of work.	10/4/2021 5:08 PM
21	traveling around Adelaide and appreciating its culture, people and natural landscapes and seascapes.	10/4/2021 3:59 PM
22	switch off from work screen, to fully learn, network and participate	10/4/2021 2:36 PM
23	Drinking the wine, hanging out at Glenelg Beach, cycling in the hills, visiting the Robe coast. All of the things!	10/4/2021 1:34 PM
24	Networking	10/4/2021 12:08 PM
25	Social events (in-person).	10/4/2021 10:57 AM
26	Meeting with Australian researchers (and trying the SA wines haha)	10/4/2021 10:51 AM
27	Despite living in south-western Victoria, I have never visited Adelaide, and was simply excited to visit a new city.	10/4/2021 10:48 AM
28	Site seeing and interacting with experts who I share the same interests with	10/4/2021 10:13 AM
29	socialising with colleagues past and new!	10/4/2021 9:11 AM
30	Interact with scientists, site seeing adelaide	10/4/2021 7:08 AM
31	Visit a research laboratory on the growth of fish sclerochronology	10/3/2021 8:54 AM

World Fisheries Congress 2021 Evaluation Survey

32	FTF , meeting other industry members to learn outside sessions to build on Industry knowledge and expertise of others	10/2/2021 1:06 PM
33	Seeing my mother!	10/2/2021 10:54 AM
34	I live in Adelaide.	10/2/2021 10:33 AM
35	Contact face to face with different researchers and know in more detail their investigations.	10/2/2021 9:57 AM
36	Meeting friends over there!	10/2/2021 7:58 AM
37	Boat trip	10/2/2021 6:31 AM
38	Meet all participants in person!	10/2/2021 3:47 AM
39	touring the city	10/2/2021 2:02 AM
40	No	10/2/2021 1:45 AM
41	Visiting/networking with Australian colleagues and others from around the world.	10/2/2021 1:36 AM
42	Seeing friends/colleagues and getting to know the area. Having dedicated time for more talks and deeper discussions on topics rather than shoehorning the conference into the end of my work day.	10/2/2021 1:12 AM
43	While attending the congress, I also want to do a tour around the city of Adelaide	10/2/2021 12:00 AM
44	I would have loved to see all the animals, especially kangaroos and colorful birds. I also hear you have beautiful beaches and good food!	10/1/2021 11:35 PM
45	Tourism	10/1/2021 11:29 PM
46	Taking a few weeks to travel around Eastern Australia and New Zealand.	10/1/2021 10:08 PM
47	Wine testing :-).	10/1/2021 9:29 PM
48	na	10/1/2021 9:25 PM
49	Sharing my home town with international colleagues	10/1/2021 8:28 PM
50	Meet Jane and Davis and thank them personally. :)	10/1/2021 7:38 PM
51	Meet people!!	10/1/2021 6:47 PM
52	Meet my colleagues personally and exchange ideas with them	10/1/2021 6:37 PM
53	I live in Adelaide so it was more about catching up with people who were coming from interstate for the conference	10/1/2021 6:27 PM
54	meeting with the women in WISA and other colleagues in Australia and internationally	10/1/2021 6:21 PM
55	Private trip to Lake Eyre	10/1/2021 6:10 PM
56	food and wine	10/1/2021 6:04 PM
57	Catching up with friends and visiting Kangaroo Island and the Fleurieu Peninsular. Alas, next time...	10/1/2021 5:58 PM
58	I was not planning to travel due to some medical conditions.	10/1/2021 5:54 PM
59	I live here!	10/1/2021 5:38 PM
60	Kangaroo Island and museum!!	10/1/2021 5:28 PM
61	I've missed the opportunity to meet new people and generate new research collaborations. This is very difficult with the current virtual technology.	10/1/2021 5:26 PM
62	Explore the city and get an opportunity to visit the University.	10/1/2021 5:26 PM
63	actually hearing some presentations.	10/1/2021 5:26 PM
64	Diving with weedy seadragons	10/1/2021 4:58 PM
65	Wine	10/1/2021 4:56 PM
66	I was hoping to do some diving while in Australia and definitely was looking forward to tasting the wine!	10/1/2021 4:52 PM
67	Visit Australia again - my last pre-covid travel was indeed to Australia (Tasmania), it would have been a great closing of the circle if the first post-covid had been Australia too ;)	10/1/2021 4:49 PM

World Fisheries Congress 2021 Evaluation Survey

68	Face to face interaction	10/1/2021 4:48 PM
69	Ecotourism	10/1/2021 4:44 PM
70	Meeting colleagues and friends in person :-)	10/1/2021 4:44 PM
71	Visiting Australia! It would have been my first time in Australia.	10/1/2021 5:10 AM
72	I live in the host city, I would have loved for the congress to be in person to engage fully with delegates.	9/30/2021 12:55 PM
73	Not sure. I think the online format met my needs for information.	9/30/2021 12:48 PM
74	Meeting other researchers in person	9/29/2021 5:57 PM
75	Chatting in person to amazing people and meeting up with old friends and colleagues.	9/29/2021 1:17 PM
76	Catching up with colleagues and friends face to face!!	9/29/2021 9:48 AM
77	n/a	9/28/2021 10:22 PM
78	Even if I am student and my research work focused on fish marketing and maintaining fish stocks currently Fish in Ethiopian lakes are caught freely from the wild in what is known as open access to anyone who wishes to capture fishes. I am looking to Adelaide or Professors experience or training to your Universities to enforced sustaining fish resources to prevent their action and should be regulated for the sake of sustainability in Ethiopia fishery production.	9/28/2021 9:46 PM
79	Meet with people and make connections	9/28/2021 2:36 PM
80	Interact with researchers in-person for more organic discussions, travel/see the country, and present to a live audience.	9/28/2021 12:48 PM
81	Getting out of WA	9/28/2021 10:51 AM
82	Visit Tazmania	9/27/2021 10:36 PM
83	If I travel Adelaide try to communicate with people and enhance the fisheries projects with my country which will help full for the students to get higher studies plus get scholarships and also to increase the fisheries working technology.	9/27/2021 7:15 PM
84	Speak with other keynote speakers of my session, around coffee	9/27/2021 6:57 PM
85	Meeting people face to face as well as developing genuine ongoing global presenter contact/comment for information, also ideal for local media coverage	9/27/2021 6:22 PM
86	Experience a new culture	9/27/2021 5:26 PM
87	n/a	9/27/2021 3:47 PM
88	i live in Adelaide but it would have been great to meet people from around the world and shown them what Adelaide and SA in particular have to offer	9/27/2021 3:14 PM
89	The chance to meet people face to face.	9/27/2021 3:10 PM
90	meet people in person.	9/27/2021 2:20 PM
91	Catching up with friends and colleagues over a beer	9/27/2021 12:28 PM
92	Visit two research groups at Flinders University, visit the National Park outside of Port Lincoln and go cage diving. The post-congress weekend of activities initially booked was cancelled the week prior the congress, given the ongoing travel restrictions between Australian States.	9/27/2021 12:16 PM
93	Nil	9/27/2021 11:49 AM
94	Visiting Port Lincoln and the Neptune islands to dive with white sharks.	9/27/2021 10:17 AM
95	Focus on the key issues. Interactions and idea exchanges with others in the margins of the conference. (I cheated, that's two!). Thanks again	9/27/2021 9:18 AM
96	Face to face discussions with participants from around nation/world.	9/27/2021 8:27 AM
97	Meeting people with similar interests in fisheries.	9/27/2021 8:27 AM
98	This would have had Women In Seafood Australasia holding the International Power Up Breakfast which we had to cancel and that was a real shame.	9/26/2021 10:03 AM

World Fisheries Congress 2021 Evaluation Survey

99	I would have liked to have witnessed the opening of the conference (aboriginal performance and the opening talk) and meet with more people in my area.	9/25/2021 7:16 PM
100	Face to face meeting with global fisheries governance scholars and practitioners	9/25/2021 2:16 PM
101	Interact with experts in person, try Australian seafood cuisine	9/25/2021 2:11 PM
102	Visiting Clare Valley	9/25/2021 2:03 PM
103	Having a beer, a laugh and chewing the fat with my National and International colleagues.	9/25/2021 12:24 PM
104	Visiting mob and checking out what is happening in the Aboriginal fisheries space down there.	9/25/2021 10:25 AM
105	Visit Universities of Australia and also the surrounding milieu	9/25/2021 3:22 AM
106	meet people	9/25/2021 1:40 AM
107	Visit Kangaroo Island.	9/25/2021 1:37 AM
108	I wanted to visit colleagues in Brisbane and Hobart, go diving, and go to wildlife parks because I am obsessed with Aussie wildlife.	9/25/2021 1:27 AM
109	Location.	9/25/2021 1:24 AM
110	See Australia and their wildlife. Now I want to try out their seafood.	9/25/2021 12:23 AM
111	I would love to experience the coastal and fisheries tourism products and services of Adelaide.	9/24/2021 11:44 PM
112	Seeing Australia, I've never been!	9/24/2021 11:41 PM
113	Meet my brother-in-law, living in Adelaide.	9/24/2021 10:32 PM
114	Initially, a combined trip to Adelaide and New Zealand (for SPRFMO Science Committee)	9/24/2021 10:08 PM
115	Visit the University of Adelaide	9/24/2021 9:46 PM
116	Drink wine and eat seafood with friends	9/24/2021 9:44 PM
117	visit my brother that lives in adelaide and I don't see him for 2 years.	9/24/2021 8:56 PM
118	Visiting tourists sights	9/24/2021 8:28 PM
119	visit important places in Adelaide	9/24/2021 8:23 PM
120	Having a holiday with my husband :)	9/24/2021 8:18 PM
121	Just walk around Adelaide and the try the local experiences	9/24/2021 8:18 PM
122	A trip to the Barossa Valley!	9/24/2021 8:08 PM
123	Test	9/24/2021 2:01 PM