

# International Symposium on Fisheries Sustainability

Rome, 18-21 November 2019

## STRENGTHENING THE SCIENCE-POLICY NEXUS



#SustainableFisheries



Food and Agriculture  
Organization of the  
United Nations

Working for #ZeroHunger

## FAO International Symposium on Fisheries Sustainability *Strengthening the Science-Policy Nexus*

FAO Headquarters, Rome, Italy  
18-21 November 2019

### AGENDA

#### Day 0 – Monday 18 November

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08:00 – 18:00 Registration of participants

10:00 – 18:00 **Fisheries Innovation Forum (Atrium):** The Innovation Forum will remain as an iterative display until the end of the Symposium. There will also be displayed art work from two artists that aim to promote ocean conservation through art. Fashion designer Ms Neishaa Gharat will display her 'Wishing net' in the foyer, and asks all visitors to express their wishes for the ocean on the display. Roman artist Ms Publia Cruciani creates installations from beach debris she gathers close to Rome

10:00 – 18:00 **Photo Exhibition (Flag room):** A photographic exhibition portraying the life and work of small-scale fishers in the Mediterranean, produced with award winning photographer Mr

Carlo Gianferro (organized by WWF and General Fisheries Commission for the Mediterranean). The exhibition will be displayed for two weeks.

**10:30 – 12:00** **Side event (Sheikh Zayed Centre): Blue Innovation - emerging technologies and trends in fishery sustainability (organized by the FAO Fisheries and Aquaculture Department).**

12:00 – 14:00 Lunch break

**14:00 – 15:30** **Side event (Sheikh Zayed Centre): Innovative approaches at the regional level and their contribution to sustainable fisheries and the conservation of marine ecosystems (organized by the General Fisheries Commission for the Mediterranean)**

15:30 – 16:00 Coffee break

**16:00 – 18:00** **Welcome – Official Opening (Plenary Hall)**

16:00 – 16:45 High Level Opening

Chair: *Ms Yasmina Bouziane*, Director, FAO Office for Corporate Communication

Speakers

*Mr Dongyu Qu*, FAO Director-General

*His Excellency Peter Thomson*, UN Secretary-General's Special Envoy for the Oceans

*The Right Honourable Michael Pintard*, Minister for Agriculture and Marine Resources, Bahamas

*His Excellency Harald Tom Nesvik*, Minister of Fisheries and Seafood, Norway

*His Excellency Ricardo Serrão Santos*, Minister for the Sea of Portugal, Portugal

*Her Excellency Mona Mehrez*, Deputy Minister of Agriculture, Egypt

*Ms Rebecca Jayne Argo*, Fisherwoman, Alaska

Video message

*His Excellency Tijjani Muhammad Bande*, President of the UN General Assembly

16:45 – 17:00 Video release

**17:00 – 17:30** **Technical keynote:** Global fishing sustainability challenges and successes

*Mr Manuel Barange*, Director, FAO Fisheries and Aquaculture Policy and Resources Division

17:30 - 18:00 Moderated Q&A

**18:00 – 20:00** **Welcome reception (Cafeteria 8<sup>th</sup> Floor)**

## Day 1 – Tuesday 19 November

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- Session 1**     **The status of global and regional fisheries sustainability and its implications for policy and management (Plenary Hall)**
- 08:30 – 08:35     Curtain raiser video
- 08:35 – 09:35     **Panel 1.1. The state of the stocks at global and regional levels – where are we and where should we be heading?**
- Keynote presentation: Assessing the sustainability of global fisheries.  
*Mr Ray Hilborn*, University of Washington (UW), United States of America
- Chair: *Mr Ichiro Nomura*, Japan International Cooperation Agency (JICA), Indonesia
- Panelists  
*Mr David Agnew*, Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR), Australia  
*Mr Steven J. Cooke*, Carleton University (CU), Canada  
*Ms Maria del Carmen Fernández Llana*, Spanish Institute of Oceanography (IEO), Spain  
*Ms Elizabeth Logerwell*, National Oceanic and Atmospheric Administration (NOAA), United States of America  
*Mr Elayaperumal Vivekanandan*, Bay of Bengal Programme International Organization (BOBP), India
- 09:35 – 09:45     Short break
- 09:45 – 10:45     **Panel 1.2. Achieving sustainable fisheries management: a developing world perspective**
- Keynote presentation: Evidence-based fisheries management: what is needed to achieve biological sustainability of global fisheries?  
*Ms Ana M. Parma*, National Patagonian Center (CENPAT - CONICET), Argentina
- Chair: *Mr Ichiro Nomura*, Japan International Cooperation Agency (JICA), Indonesia
- Panelists  
*Ms Graça Bauleth D'Almeida*, Ministry of Fisheries and Marine Resources, Namibia  
*Mr Paul de Bruyn*, Indian Ocean Tuna Commission (IOTC), Seychelles  
*Ms Patricia Macarena Cepeda*, Industrial Fishing Association (ASIPES), Chile  
*Mr Duto Nugroho Suhardjo*, Agency for Marine and Fisheries Research and Development, Indonesia  
*Ms Oluyemisi Oloruntuyi*, Marine Stewardship Council (MSC), United Kingdom of Great Britain and Northern Ireland
- 10:45 – 11:15     Coffee break (Tree of Life and Flag Room)

**Session 2 Sustainable fisheries: linking biodiversity conservation and food security (Plenary Hall)**

11:15 – 11:20 Curtain raiser video

**11:20 – 12:20 Panel 2.1. Planning for a sustainable future – supporting the adoption of complementary food security and conservation objectives**

Keynote presentation: Juggling biodiversity and food security – keeping all the balls in the air.

*Ms Elizabeth Fulton*, Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia

Chair: *Ms Renée Sauvé*, Directorate of Fisheries and Oceans (DFO), Canada

Panelists

*Mr Rod M. Fujita*, Environmental Defense Fund (EDF), United States of America

*Mr Simon Jennings*, International Council for the Exploration of the Sea (ICES), Denmark

*Ms Yunne-Jai Shin*, Institut de Recherche pour le Développement (IRD), France

*Mr Nam So*, Mekong River Commission (MRC), Cambodia

*Ms Beverly Wade*, Fisheries Department, Belize

**12:30 – 13:15 Side Event (Sheikh Zayed Centre): The Future of Food Production from the Ocean organized by the High Level Panel for a Sustainable Ocean Economy)**

12:20 – 14:00 Lunch

**14:00 – 15:00 Panel 2.2. Making it happen – Implementing joint food security and conservation objectives**

Keynote presentation: Incentives for the joint provision of biodiversity and food from the sea

*Mr Christopher Costello*, University of California Santa Barbara (UCSB), United States of America

Chair: *Ms Renée Sauvé*, Directorate of Fisheries and Oceans (DFO), Canada

Panelists

*Mr Leandro Castello*, Virginia Tech University (VT), United States of America

*Mr Stefan Gelcich*, Pontificia Universidad Católica, Chile

*Mr Michel Kaiser*, Heriot-Watt University (HW), United Kingdom of Great Britain and Northern Ireland

*Ms Sangeeta Mangubhai*, Wildlife Conservation Society (WCS), Fiji

*Ms Nyawira Muthiga*, Wildlife Conservation Society (WCS), Kenya

15:00 – 15:30 Coffee break (Tree of Life and Flag Room)

### Session 3 Fish in food security and nutrition: from tide to table (Plenary Hall)

15:30 – 15:35 Curtain raiser video

#### 15:35 – 16:35 Panel 3.1. Putting fish on the table: evidence and opportunities for improved nutrition in low resource settings

Keynote presentation: Aquatic foods improve diets and nourish nations  
*Ms Shakuntala Haraksingh Thilsted*, WorldFish, Malaysia

Chair: *Ms Fiorenza Micheli*, Stanford University, United States of America

##### Panelists

*Mr Carlos Raúl Castillo Rojas*, Ministry of Production, Peru

*Ms Boitshepo D. Giyose*, African Union Development Agency (AUDA-NEPAD), South Africa

*Mr Ahmed Khan*, African Development Bank (AFDB), Ivory coast

*Ms Mimako Kobayashi*, World Bank (WB), United States of America

*Mr Sveinn Margeirsson*, International consultant, Iceland

16:35 – 16:45 Short break

#### 16:45 – 17:45 Panel 3.2. Pathways for improved fish food systems: environment, policy and technology

Keynote presentation: Turning the tide: impacts of environmental change on aquatic food security and nutrition

*Mr Christopher Deweir Golden*, Harvard T.H. Chan School of Public Health (HSPH), United States of America

Chair: *Ms Fiorenza Micheli*, Stanford University, United States of America

##### Panelists

*Mr Xianshi Jin*, Yellow Sea Fisheries Research Institute (YSFRI), China

*Ms Joyce Kinabo*, Sokoine University of Agriculture (SUA), Tanzania

*Ms Anna Lartey*, Food and Agriculture Organization of the United Nations (FAO), Italy

*Mr David Little*, University of Stirling, United Kingdom of Great Britain and Northern Ireland

*Ms Friederike Ziegler*, Research Institute of Sweden (RISE), Sweden

## Day 2 – Wednesday 20 November

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### Session 4 – Securing sustainable fisheries livelihoods (Plenary Hall)

08:30 – 08:35 Curtain raiser video

#### 08:35 – 09:35 Panel 4.1. How do we secure sustainable fisheries-based livelihoods, including their social, cultural and equity dimensions?

Keynote presentation: Sustain or transform; towards secure and equitable livelihoods in small-scale fisheries

*Ms Philippa Cohen*, WorldFish, Malaysia

Chair: *Ms Ratana Chuenpagdee*, Memorial University (MUN), Canada

Panelists

*Mr Xavier Basurto*, Duke University, United States of America

*Ms Courtney Cox*, Rare, United States of America

*Mr Naseegh Jaffer*, World Forum of Fisher Peoples (WFFP) and IPC Fisheries Working Group, South Africa

*Mr Sebastian Mathew*, International Collective in Support of Fishworkers (ICSF), India

*Ms Kumi Soejima*, National Fisheries University, Japan

09:35 – 09:45 Short break

**09:45 – 10:45 Panel 4.2. Innovative approaches for inclusive fisheries governance coalitions, cross-sectoral collaboration and engagement with fishers and fish workers – women and men**

Keynote presentation: Sea through the eyes of fisher folk

*Mr Mitchell Lay*, Caribbean Network of Fisherfolk Organisations (CNFO) and Gulf and Caribbean Fisheries Institute (GCFI), Belize

Chair: *Ms Ratana Chuenpagdee*, Memorial University (MUN), Canada

Panelists

*Mr Edward Allison*, University of Washington (UW), United States of America

*Mr Anthony Charles*, Saint Mary's University (SMU), Canada

*Ms Unni Kløvstad*, Ministry of Foreign Affairs, Norway

*Ms Editrudith Lukanga*, World Forum of Fish Harvesters and Fish Workers (WFF) and IPC Fisheries Working Group, Tanzania

*Ms Vivienne Solis Rivera*, CoopeSoliDar R.L, Costa Rica

10:45 – 11:15 Coffee break (Tree of Life and Flag Room)

**10:00 – 13:00 Art workshop for school children (Iran room foyer): Children will work on individual or collective projects using the materials they collected during the trip to the beach on the 13th of November (organized by OCC and FI departments)**

## **Session 5 – The economics of fisheries (Plenary Hall)**

11:15 – 11:20 Curtain raiser video

**11:20 – 12:20 Panel 5.1. Economics in fisheries policy**

Keynote presentation: Fisheries management at a crossroads: how economics can improve fisheries policy decisions

*Mr Carl Christian Schmidt*, Nordic Marine Think Tank, Denmark

Chair: *Mr Zhengyong Yang*, Shanghai Ocean University, China

Panelists

*Mr Mario Aguilar*, Grocio Enfoques Oceanicos, Mexico

*Mr Frank Asche*, University of Florida (UFL), United States of America

*Ms Elisa Calvo*, International consultant, Argentina

*Mr Griffin Carpenter*, New Economics Foundation (NEF), United Kingdom of Great Britain and Northern Ireland



*Ms Ruangrai Tokrisna, Kasetsart University (KU), Thailand*

**12:30 – 13:15** **Side Event (Sheik Zayed Centre): Global Atlas of AIS-based Fishing Activity (organized by FAO, Fundación AZTI, Seychelles Fishing Authority and Global Fishing Watch)**

12:20 – 14:00 Lunch

**14:00 – 15:00** **Panel 5.2. The social dimension of the contribution of fisheries and aquaculture to the economy**

Keynote presentation: The social dimension of the contribution of fisheries and aquaculture to the economy

*Ms Claudia Beltrán, International consultant, El Salvador*

Chair: *Mr Rashid Sumaila, University of British Columbia (UBC), Canada*

Panelists

*Ms Jingjie Chu, World Bank (WB), United States of America*

*Mr Francisco Javier Garat Perez, International Coalition of Fisheries Associations (ICFA) and Spanish Fishing Confederation (CEPESCA), Spain*

*Ms Marie Christine Monfort, International Organization for Women in the Seafood Industry (WSI), France*

*Ms Katrina Nakamura, The Sustainability Incubator, United States of America*

*Mr Nobuyuki Yagi, University of Tokyo, Japan*

15:00 – 15:30 Coffee break (Tree of Life and Flag Room)

## **Session 6 – Fisheries management in the face of a changing climate (Plenary Hall)**

15:30 – 15:35 Curtain raiser video

**15:35 – 16:35** **Panel 6.1. Innovative technical adaptations of management systems to climate change**

Keynote presentation: Management and policy options to reduce rather than exacerbate the fisheries impacts of climate change

*Mr Steven Gaines, Bren School of Environmental Science & Management, University of California, Santa Barbara, California, United States of America*

Chair: *Ms Hazel Oxenford, University of West Indies (UWI), Barbados*

Panelists

*Mr Miguel Bernal, General Fisheries Commission for the Mediterranean (GFCM-FAO), Italy*  
*Ms Kirstin Holsman, National Oceanic and Atmospheric Administration (NOAA), United States of America*

*Mr Carl van der Lingen, Department of Agriculture, Forestry and Fisheries, South Africa*

*Mr Ernesto Penas Lado, International fisheries policy consultant, Spain*

*Mr Andrew Smith, Secretariat of the Pacific Community (SPC), New Caledonia*

16:35 – 16:45 Short break

**16:45 – 17:45** **Panel 6.2. Interventions to minimize impacts and maximize opportunities**

Keynote presentation: Adapting fisheries management for proactive, climate-ready dependent societies and economies.

*Ms Éva Plagányi*, CSIRO Oceans & Atmosphere, Australia

Chair: *Ms Hazel Oxenford*, University of West Indies (UWI), Barbados

Panelists

*Mr Merrick Burden*, Environmental Defense Fund (EDF), United States of America

*Ms Abigail Lynch*, United States Geological Survey (USGS), United States of America

*Ms Flower Msuya*, Zanzibar Seaweed Cluster Initiative (ZaSCI), Tanzania

*Mr John Pinnegar*, Centre for Environment, Fisheries & Aquaculture Science (CEFAS), United Kingdom of Great Britain and Northern Ireland

*Mr Shyam S. Salim*, Central Marine Fisheries Research Institute (ICAR), India

## Day 3 – Thursday 21 November

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### Session 7 – Fisheries information systems and new technologies (Plenary Hall)

08:30 – 08:35 Curtain raiser video

**08:35 – 09:35 Panel 7.1. The fundamentals – what central set of issues need to be addressed for fisheries data/information to be a public commodity supporting the sector’s needs?**

Keynote presentation: How ICTs can answer some of the big data questions about small-scale fisheries

*Mr Serge Raemaekers*, Abalobi, South Africa.

Chair: *Mr Francisco Werner*, National Oceanic and Atmospheric Administration (NOAA), United States of America

Panelists

*Mr Douglas Beard*, United States Geological Survey (USGS), United States of America

*Mr Emmanuel Chassot*, Seychelles Fishing Authority, Seychelles

*Ms Jeannette Mateo Perez*, Fisheries Resources at the Dominican Council for Fisheries and Aquaculture (CODOPESCA), Dominican Republic

*Mr Nyoman Radiarta*, Institute for Marine Research and Observation (IMRO), Indonesia

*Ms Suzette Soomai*, Department of Fisheries and Oceans Canada (DFO), Canada

09:35 – 09:45 Short break

**09:45 – 10:45 Panel 7.2. A vision for the future – what technologies must be scaled and adopted, and what do emerging technologies need to address?**

Keynote presentation: Beyond augmented intelligence (while leaving no one behind)

*Ms Donatella Castelli*, CRN-ISTI, Italy.

Chair: *Mr Francisco Werner*, National Oceanic and Atmospheric Administration (NOAA), United States of America

Panelists

*Mr Alfred Lee Cook*, World Wide Fund for Nature (WWF), New Zealand

*Mr Lifeng Cui*, China National Fisheries Technology Extension Center and China Society of Fisheries, China

*Ms Sara Iverson*, Ocean Tracking Network (OTN), Canada



*Mr Anthony Long*, Global Fishing Watch, United Kingdom of Great Britain and Northern Ireland

*Ms Lida Teneva*, California Ocean Science Trust, United States of America

10:45 – 11:15 Coffee break (Tree of Life and Flag Room)

11:00 – 13:30 **World Fisheries Day 2019 (Sheikh Zayed Center): Social responsibility in the fisheries value chain (organized by FAO, the Holy See and ILO)**

## Session 8 – Policy opportunities for Fisheries in the Twenty-first century (Plenary Hall)

11:15 – 11:20 Curtain raiser video

11:20 – 12:20 **Panel 8.1. Beyond the Code of Conduct: policy opportunities for fisheries management in the twenty-first century**

Keynote presentation: Navigating new waters

*Ms Lori Ridgeway*, International consultant, Canada

Chair: *Mr Atsushi Sunami*, Ocean Policy Research Institute, the Sasakawa Peace Foundation (OPRI – SPF), Japan

### Panelists

*Ms Samantha Burgess*, World Wide Fund for Nature (WWF), Belgium

*Mr Hamady Diop*, African Union Development Agency (AUDA-NEPAD), South Africa

*Mr Yi Tang*, Shanghai Ocean University (SHOU), China

*Ms Veronika Veits*, Directorate-General for Maritime Affairs and Fisheries of the European Commission, Belgium

*Ms Sally Yozell*, Stimson Center, United States of America

12:20 – 14:00 Lunch

14:00 – 15:00 **Panel 8.1 (cont'). Beyond the Code of Conduct: policy opportunities for fisheries management in the twenty-first century**

Keynote presentation: Fisheries sustainability leaving none behind: three key policy opportunities for the twenty-first century

*Mr John Kurien*, Azim Premji University, India

Chair: *Mr Atsushi Sunami*, Ocean Policy Research Institute, the Sasakawa Peace Foundation (OPRI – SPF), Japan

### Panelists

*Mr Michael Copeland*, Lucky Star Operations, Oceana Group Ltd, South Africa

*Ms Claire Delpeuch*, Organization for Economic Co-operation and Development (OECD), France

*Mr Sergey Leontiev*, Russian Federal Research Institute of Fisheries and Oceanography (VNIRO), Russia

*Ms Pamela Mace*, Ministry for Primary Industries, New Zealand

*Mr Patrick McConney*, University of West Indies (UWI), Barbados

15:00 – 15:30 Coffee break (Tree of Life and Flag Room)

## Session 9 – Summary of the sessions (Plenary Hall)

### 15:30 – 16:00 Conclusions of sessions

Speaker: *Ms Vera N. Agostini*, Deputy Director, FAO Fisheries and Aquaculture Policy and Resources Division

### 16:00 – 16:45 Closing ceremony

#### Speakers

*Ms Maria Helena Semedo*, Deputy Director-General, FAO Climate & Natural Resources

*Mr Sidy Mouctar Dicko*, Chair of the Committee on Fisheries (COFI)

*His Excellency Thanawat Tiensin*, Permanent Representative of the Kingdom of Thailand to FAO, IFAD & WFP and Chair of the Committee on World Food Security (CSF)

*Mr Árni Matthias Mathiesen*, Assistant Director General, FAO Fisheries and Aquaculture Department