

Ocean Decade Laboratories

# 2 / A PREDICTED OCEAN

15 to 17 September 2021

**Where society understands and can respond to  
changing ocean conditions.**

## Program Core Event: 15 September 2021

### Hosts:

- **Craig McLean**, National Oceanic and Atmospheric Administration (NOAA), United States of America
- **Detlef Stammer**, University of Hamburg, Germany
- **Monika Jones**, International TV and Conference Host, Germany

**8.00 pm CEST**

### Session 1:

## A Predicted Ocean: Benefit, Societal Need, and Ambition by 2030

### Expert Moderator

- **Judith Giblin**, ECOP – Oceanography at Pacific Community, Fiji
- **Ann-Christine Zinkann**, ECOP, Program Manager at National Oceanic and Atmospheric Administration, United States of America

### Keynote Speakers (in speaking order)

#### Motivations & Ambitions

- **Wendy Watson-Wright**, 7 Mile Bay, Canada  
*Benefits of a predicted ocean to society*
- **Ariel Hernán Troisi**, Intergovernmental Oceanographic Commission IOC-UNESCO, France  
*Short-term forecasts and outlooks for marine conditions*
- **Fangli Qiao**, First Institute of Oceanography, China  
*Requirements of long-term forecasts of the Ocean State*
- **Janice Trotte-Duhá**, Navy Directorate-General for Scientific, Technological and Nuclear Development, Brasil  
**Leticia Cotrim da Cunha**, Assistant Professor at Rio de Janeiro State University, Brazil  
*Predicting long-term evolution of CO<sub>2</sub>*
- **Beth Fulton**, CSIRO Oceans and Atmosphere, Australia  
*Predictions ecosystems and marine diversity*
- **Katja Fennel**, Dalhousie University, Canada  
*Linking ocean predictions with a healthy ocean*

---

**10.30 pm CEST**

## Session 2:

### From Observation to Prediction (Round Table)

How can we work toward implementing the concept of an integrated global observing system serving many users including with local enhancements down to the coastal level?

#### Expert Moderator

- **Roshan Ramessur**, Associate Professor at The Ocean Foundation, Mauritius

#### Panelists

##### Motivations & Ambitions

- **Emma Heslop**, Intergovernmental Oceanographic Commission IOC-UNESCO, France  
*Co-design of observing and prediction systems*
- **Herve Damlamian**, Pacific Community (SPC), New Caledonia  
*Development of ocean prediction capabilities: short term to seasonal, decadal, climate, global to coastal (incl. coupling with land), physics to biogeochemistry & biology*
- **Mojib Latif**, GEOMAR – Helmholtz Centre for Ocean Research Kiel, Germany  
*Limits of predictability*
- **Pierre Bahurel**, Mercator Ocean International, France  
*Development and maintenance of modeling & data assimilation infrastructure*
- **Ramasamy Venkatesan**, National Institute of Ocean Technology, Ministry of Earth Sciences, India  
*Establish and maintain observing systems: from physics to biology – from global to coastal (incl. governance aspects)*

---

**11.15 pm CEST**

## Session 3:

### Ensure an Impactful Predicted Ocean (Round Table)

How can we connect to stakeholder and user communities to understand and respond to the needs of end users, down to the community level by developing a deeper understanding of regional issues and building partnerships across the value chain? Who are the user groups that are using the data for products and services?

#### Expert Moderator

- **George Petithakis**, Research Director, Hellenic Center for Marine Research, Greece

#### Panelists

##### Motivations & Ambitions

- **Derrick Snowden**, US Integrated Ocean Observing System Office NOAA/National Ocean Service, United States of America  
*Data and product management and service*
- **Marjolaine Krug**, OCIMS, Department of Forestry, Fisheries and the Environment (DFFE), South Africa  
*What does society need?*
- **Melissa Iwamoto**, Pacific Islands Ocean Observing System (PacIOOS), United States of America  
*How to provide an easy, efficient, and timely information delivery service to users?*
- **Molly Powers-Tora**, Pacific Community (SPC), Fiji  
*How to better engage and interact with the different user communities?*
- **Nadia Pinardi**, University of Bologna, Italy  
*Input from constituencies*