



## 2<sup>nd</sup> Ocean Observers Workshop Agenda

### Day 1: November 29th, 2021

Theme of the day: How does the ocean regulate our climate?

11:00-13:00 CET (Paris Time)

#### 11:00 OPENING (15')

- **Mathieu Belbéoch** (Manager, OceanOPS) & **Sylvie Pouliquen** (Manager, Euro-Argo)
- **Emanuela Rusciano** (Science & Communication Coordinator, OceanOPS): **Ocean Observers initiative**
- **Claire Gourcuff** (Science Officer, Euro-Argo): **Workshop objectives**
- **Marine Bollard** (Communication Officer, Euro-Argo): **Practical information & Daily questionnaire**

**11:15 SESSION #1** (Moderators: **Megan Scanderbeg**, Argo Research Associate, Scripps Institution of Oceanography & **Carol Young**, Educational Consultant, SEREAD) (75')

Keynote speaker: **Megan Scanderbeg** (Argo Research Associate, Scripps Institution of Oceanography): **Ocean observations, the climate and Argo in the classroom**

Keynote speaker: **Carol Brieseman** (Primary School Teacher, New Zealand): **Integrating Ocean observations in the school curriculum**

- **Cushla Dromgool-Regan** (Strategic Education & Communications Manager, The Camden Education Trust): **The adventures of Seoltóir Na Gaillimhe**
- **Ramasamy Venkatesan** (Scientist & Head Ocean Observation, National Institute of Ocean Technology): **Interactive Mentor based Science Workshop on Moored Buoy Data Analysis**
- **Thomas Chen** (Researcher, Academy for Mathematics, Science, and Engineering): **Data-driven In Situ Ocean Observation: Fostering Interest at the Nexus of Computer Science and Marine Ecology**

#### 12:30 Hands-on experiment videos (30')

- Experiencing density with hot and cold water
- Is the sea getting saltier?
- Ocean Currents

#### Hands-on discussion

## 18:00-20:00 CET (Paris Time)

**18:00 SESSION #2** (Moderators: **Megan Scanderbeg**, Argo Research Associate, Scripps Institution of Oceanography & **Keith Hartle**, Teacher, SEREAD) (60')

Keynote speaker: **Carol Young** (Educational Consultant, SEREAD): **When our life depends on the ocean: Climate change education in small Pacific Island countries**

- **Tamaryn Morris** (Senior Scientist, South African Weather Service): **Endurance22 and using ocean observing platforms to inspire learners**
- **Alberto González** (Data Scientist, Instituto Español de Oceanografía): **The Argo Online School (AOS), an educational tool for understanding the basics of Argo**
- **Manon Audax** (Science Outreach Officer, Culture Océan, Institut de la Mer de Villefranche): **Adopt a float: an international educational program**

**19:00 Data visualization tools demo** (60')

- **Donata Giglio** (Assistant Professor, University of Colorado Boulder): **Argovis web tool**
- **Romain Cancouët** (Operational Engineer, Euro-Argo): **Euro-Argo Data Selection Tool**
- **Albert Miralles** (Glider Facility, SOCIB): **Follow the Glider**

**Visualization tools discussion**

## Day 2: November 30th, 2021

Theme of the Day: Climate change and its impact on marine ecosystem and human life

11:00-13:00 CET (Paris Time)

11:00 OPENING (5')

**Claire Gourcuff** (*Science Officer, EuroArgo*): **Logistic information & daily questionnaire**

11:05 **SESSION #3**: (*Moderators: Alan Berry, Manager Marine Research Infrastructure, Marine Institute & Thomas Mtontsi, Education officer, South Africa*) (90')

Keynote speaker: **Thomas Mtontsi** (*Education officer, South Africa*): **Adopt a Float for Science Skills advancement – A classroom initiative**

- **Martina Ferraris** (*Scientific Mediation Officer, Ifremer*): **Ifremer's scientific mediation activities**
- **Estelle Raynal** (*Climate and environment educative projects manager, French Space Agency, CNES*): **Argonautica, ocean and satellites from kindergarten to engineering school**
- **Alejandra Trejo** (*Researcher, Francisco Gavidia University*): **Let's talk about reefs**
- **Noirin Burke** (*Director of Education, Galway Atlantaquaria*): **Beach School, providing professional development based on ocean literacy for early years educators**
- **Carol Maione** (*PhD student, Politecnico Milano/ Metabolism of Cities Living Lab, San Diego State University*): **Ocean Metabolism: A Toolkit Guide to Tackling and Monitoring Waste in Coastal and Island Tourism Regions**

12:35 Hands-on experiment videos (25')

- Drawing a beach profile
- Warming Oceans

**Hands-on discussion**

18:00-20:00 CET (Paris Time)

**18:00 SESSION #4** (Moderators: **Alan Berry**, Manager Marine Research Infrastructure, Marine Institute & **Thomas Mtontsi**, Education officer, South Africa) 90'

Keynote speaker: **Hervé Claustre** (Senior Scientist, IMEV): **The REFINE project: profiling floats to study the biological carbon pump**

- **Nicolas Kolodziejczyk** (Researcher, IUEM/UBO): **Mer Education**
- **Savannah Judge** (Aquatic Sales, Yokogawa Fluid Imaging Technologies, Inc.): **Use of high-throughput fluid imaging technology in the field-based undergraduate ocean classroom with FlowCam**
- **Raquel Somavilla Cabrillo** (Senior Scientist, Instituto Español de Oceanografía): **OceanSITES: Taking the pulse to the Global Ocean**
- **Giovanni Seijo-Ellis** (PhD Student, University of Colorado - Boulder): **Argovis Application Programming Interface exposed to co-locate oceanic and atmospheric datasets**
- **Maja Karlovic** (Scientist, Hydrographic Institute of the Republic of Croatia): **Oceanographers on the island – new educational program**

**19:15 Hands-on experiment videos (30')**

- Investigating sea level rise
- Ocean Acidification

**Hands-on discussion**

## Day 3: December 1<sup>st</sup>, 2021

Themes of the day: [Instruments and technology \(SESSION #5\)](#) & [Ocean Literacy and UN Ocean Decade Roundtable \(SESSION #6\)](#)

11:00-13:00 CET (Paris Time)

11:00 OPENING (5')

**Emanuela Rusciano** (*Coordinator science & Communication, OceanOPS*): **Logistic information & daily questionnaire**

11:05 **SESSION #5**: (*Moderators: Joaquin Tintoré, Director, SOCIB & Carol Brieseman, Primary School Teacher, New Zealand*) 90'

Keynote speaker: **Joaquin Tintoré** (*Director, SOCIB*): **SOCIB new ocean observing and forecasting in educational activities**

- **Cassie Stymiest** (*Executive Director, Educational Passages*): **An ocean of opportunity: Integrating sensors on drifting miniboats to advance education and enhance ocean science**
- **Garry Kendellen** (*Content Creator Marketing Public Engagement, Galway Atlantaquaria*): **The TransAtlantic ROV project, from Galway to Washington State"**
- **Noirin Burke** (*Director of Education, Galway Atlantaquaria*): **Exploring creative approaches to virtually communicate remote sensing and its use for monitoring our ocean**
- **Sara Sirviente** (*PhD student, University of Cadiz*): **San Pedro River Coastal Environmental Observation Platform (POCARISA)**
- **Luisa Barros** (*Marine Scientist, Atlantic CoLAB*): **Bringing Ocean Science Closer to Future Generations**

12:20 Hands-on experiment videos (25')

- How does an Argo float function?
- Building a glider
- Drawing Data Buoy, Satellite & an Argo float

**Hands-on discussion**

18:00-20:00 CET (Paris Time)

**18:00 SESSION #6: Ocean Literacy and UN Ocean Decade Roundtable** (Moderators: **Dina Eparkhina**, Senior Policy and Communications Officer, EuroGOOS & **Carolyn Scheurle**, Scientific mediator, IMEV) (30')

**OPENING: Dina Eparkhina** (Senior Policy and Communications Officer, EuroGOOS): **Scientists for Ocean Literacy - EuroGOOS recommendations in the Decade of Ocean Science for Sustainable Development**

Keynote speaker: Francesca Santoro (Programme Specialist, IOC/UNESCO): **International Ocean Literacy Framework and Ocean Decade OLWA Programme**

Keynote speaker: Cédric Courson (President, Astrolabe Expedition): **Open-Source Oceanography: a way to accelerate oceanographic research by involving citizens communities**

**Discussion** (15')

**18:45 Roundtable – flash talks** (35')

- **Birte Lorenzen** (Manager Ocean Education, My Ocean Challenge/Malizia): **Sailing-Science-Education: My Ocean Challenge**
- **Caroline Bodet** (Primary School Teacher, Brest): **Ocean Observing in the classroom**
- **Emma McKinley** (Research Fellow, School of Earth & Environmental Sciences, Cardiff University): **Ocean Literacy Research for the UN Ocean Decade**
- **Zacharias Siokouros** (Chief Executive Officer, Cyprus Marine & Maritime Institute - CMMI): **Blue Careers**

**19:20 Panel discussion** 20'

**19:40 WRAPPING UP & WORKSHOP CONCLUSIONS** (Claire Gourcuff, Emanuela Rusciano, Marine Bollard)