



EMODnet



European Marine
Observation and
Data Network

EMODnet Jamboree 16-18 June 2021

Online event

EMODnet dialogue: Citizen Science

Friday 18 June 11:00-12:30 CEST

This is a Special Cross-thematic Session at the 2nd EMODnet Jamboree Joint Session on Citizen Science:

Online meeting – registration link:

<https://us02web.zoom.us/meeting/register/tZcudOqupjktHdB5qztUTD-A6tRZpghLdaA7>

Agenda

1. Welcome (5')

Introduction of the session co-chairs: Antonio Novellino (ETT, EMODnet Physics), Jaume Piera (CSIC, Cos4Cloud), Jun She (DMI, EMODnet Baltic Sea-basin Checkpoint Coordinator), Patrick Gorringer (SMHI, EMODnet Physics).

2. EC DG MARE Intervention on EMODnet Next Phase (3')

Bernhard Friess (DG MARE) introduces the vision for EMODnet.

3. Setting the Scene (7')

Patrick Gorringer (SMHI, EMODnet Physics) highlights the future potential of EMODnet as a platform for Citizen Science, the challenges and the returns for citizens.

4. Case Studies of Citizen Science for EMODnet (30'):

six case studies from citizen science communities across the value chain.

- Exploring uptake of coastal citizen science data into the coastal research domain – Peter Thijsse (JERICO-RI)
- Macro and micro plastic detection with citizen science platform – Bert van Bavel (The Nautilus Project)
- Biodiversity bioblitzes on Urban Beaches – Bernat Perlata (Urbamar, Anel·lides)
- Paddling to monitor or monitoring to paddle? A case study on how marine environmental data can be supported by water-sports and enhance local blue economy – Arianna Liconti (Outdoor Portofino)
- T-MEDNet multi-actor climate change coastal observation network – Nathaniel Bensoussan (T-MEDnet)
- Citizen Science at Earthwatch: A sociotechnical system approach - James Sprinks (EarthWatch)

10' Break

5. Panel Discussion (30'):

Panel and plenary discussions on three topics covering the technical challenges for citizen science data and upgrading knowledge of citizen science within the EMODnet platform.

Chair: Antonio Novellino (EMODnet Physics)

Panelists: Maria Eugenia Molina Jack (INOGS, EMODnet Chemistry), Bert van Bavel (The Nautilus Project), Jaume Piera (CSIC, Cos4Cloud), Jun She (DMI, EMODnet Baltic Sea-basin Checkpoint Coordinator), James Sprinks (Earthwatch), Arianna Liconti (OutdoorPortofino), Peter Thijsse (EMODnet Ingestion)

- Citizen science data stewardship
- Building long-term engagement between EMODnet and citizen science
- Identifying needs and requirements of citizen science projects and returns to citizens

6. Closing Remarks (5')

Jun She (DMI, EMODnet Baltic Sea-basin Checkpoint Coordinator) outlines recommendations and future perspectives of EMODnet as a platform for Citizen Science.

CVs - Panel

James Sprinks is a Senior Researcher in Citizen Science at Earthwatch Europe, based in Oxford, UK. His research considers how citizen science platforms can be designed and implemented to both ensure that the data generated is in a usable format and scientifically robust, while still maintaining a user experience that results in volunteers enjoying and learning from the process. This process encompasses elements of environmental science, remote sensing, Human-Computer Interaction, GIS, ergonomics and human factors research.

Professor **Bert van Bavel** is a chief scientist at the Norwegian Institute for Water Research (NIVA) and internationally leading researcher in the field of chemical analysis of environmental pollutants and quality control. He is the co-author of more than 300 publications in environmental chemistry, including several key articles on brominated flame retardants, organic fluorine compounds and microplastics in the environment. Professor van Bavel won the prestigious Swedish Cancer and Allergy Foundation award in 2010 for his work on environment and health. He has led numerous national and international projects and EU projects, most recently he is coordinator of the EU project EUROqCHARM (European Quality Controlled Harmonization Assuring Reproducible Monitoring and Assessment of Plastic Pollution).

Born and raised in the South of Italy, **Arianna Liconti** graduated in Marine Biology from Bangor University (UK) and specialised in MRes in Ecology and Conservation at the University of Plymouth and the Marine Biological Association (UK). She believes that enthusing and involving the general public about our diverse marine ecosystems is key to marine conservation, and plays a pivotal role in promoting stewardship of the marine environment whilst addressing evidence gaps which are relevant for marine policy. Currently she is the Chief of the Mediterranean Special Interest Group of the Marine Biological Association and coordinator of Outdoor Portofino Science Projects to put waterspouts at the service of marine research and conservation.

Maria Eugenia Molina Jack is a Spanish oceanographer, working for the Italian National Oceanographic Data Center based in Trieste. Data management, focused on marine litter and contaminants, within the framework of EMODnet Chemistry, are the primary tasks in her job. Previously, she worked in Spain for the regional government of Galicia, as a fishing inspector and involved in contingency planning for accidental pollution response.

Peter Thijse, MSc Aeronautics Engineering, Project Engineer MARIS, has extensive experience in developing internet systems and applications for marine data management and climate services in many national and EU projects. At present partner in the EU funded projects EMODnet Physics, EMODnet Biology, SeaDataCloud, AtlantOS, and Marinet II. He also was leader of the architecture team of EU CLIPC which focused on developing a Climate Portal for Copernicus, involving giving access to various climate data resources and analysis tools, providing user interfaces with low thresholds. In

SeaDataCloud he was actively involved in the design and implementation of the Virtual Research Environment. In the C3S CICA project Peter is leading the MARIS visualisation development work, and most important Peter is one of the main drivers behind the EyeOnWater.org citizen science concept.

***Jun She** is a senior research at Danish Meteorological Institute, with research interests on seamless marine system modelling, operational oceanography, data assimilation, marine climate change adaptation, operational ecology and ocean observation network optimal design. He is currently Chair of EuroGOOS Scientific Advisory Working Group and Baltic Sea Operational Oceanographic System (BOOS).*

***Jaume Piera** is Tenured Scientist of the Institute of Marine Sciences (ICM-CSIC). He holds a Ph.D. in Environmental Sciences (University of Girona), M.S. in Biology (University of Barcelona) and B.S. in Telecommunications Engineering (Technical University of Catalonia). Over 20 years of experience in multidisciplinary research programs, his research interests are focused on Information Technologies applied to Environmental Monitoring Technologies. 15 years of experience in management of national and international research projects (7 PI, 1 as Coordinator). His current research focuses on designing and evaluating scientific and technological infrastructures for environmental monitoring, particularly those based on citizen science approaches (known as Citizen Observatories). His research interests include designing and evaluating technologies to facilitate citizen participation and engagement in scientific research, promoting the use of local and traditional knowledge in conservation and education programs and developing new methods for analysing citizen science data.*