



## 9<sup>TH</sup> EUROGOOS INTERNATIONAL CONFERENCE

3-5 MAY 2021  
Virtual

# ADVANCES IN OPERATIONAL OCEANOGRAPHY: EXPANDING EUROPE'S OCEAN OBSERVING AND FORECASTING CAPACITY



## CALL FOR ABSTRACTS

Abstract submission is now open for the **9<sup>th</sup> EuroGOOS International Conference, Advances in Operational Oceanography: Expanding Europe's Ocean Observing and Forecasting Capacity**, to take place online on 3-5 May 2021.

### IMPORTANT INFORMATION

- **Extended abstract submission deadline: 1 February 2021 (23.59 CET);**
- Abstracts (maximum 1600 characters) should address one of the conference themes and topics detailed in this announcement, and should be submitted on the conference website at: <https://eurogoos-conference.ifremer.fr/Call-for-abstracts>
- **Author notification of acceptance/rejection: 22 February 2021;**
- **Full paper submission** for publication in the EuroGOOS 9<sup>th</sup> International Conference Proceedings: **18 April 2021.**
- Articles should not exceed **five printed pages**, including figures, tables, and references. Text should be in **11-point Times New Roman font, single-spaced, formatted in one column.**

### THE EUROGOOS CONFERENCE

The European Global Ocean Observing System, EuroGOOS, was established in 1994 to "make sure that the global infrastructure of GOOS is designed so as to guarantee the required data products and benefits needed by Europe" (ECOPS 1994). Since then EuroGOOS has been developing operational oceanography in Europe in the framework of the UNESCO's Intergovernmental Oceanographic Commission Global Ocean Observing System programme (IOC GOOS).

Every three years, the EuroGOOS conference provides a forum of interaction between marine scientists and technologists developing operational oceanography products, and the users of these services including decision and policy-makers as well as the private sector.

The EuroGOOS conference provides the opportunity to review the present ocean monitoring and forecasting capacities and their services, and to identify new challenges and the underpinning science and technology priorities. The conference facilitates dialogue, experience sharing and future planning with international partners and stakeholders, towards a more coordinated response to global challenges and societal needs related to seas and the global ocean.

The 2020 edition of the EuroGOOS conference was initially scheduled to take place in Brest (France); due to the COVID-19 pandemic, however, the conference was postponed to 2021 and transformed into a fully digital event.

### THE NEW CONFERENCE FORMAT

The three-day virtual conference will include daily plenary, splinter and poster sessions, as well as round tables with interactive discussions. The main outcomes of the conference will be summarized during the last day of the event. Participants

will be invited to submit abstracts for their oral presentations or posters, and full papers will be published in the EuroGOOS conference proceedings.



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### KEY PRIORITIES OF THE 9<sup>TH</sup> EUROGOOS CONFERENCE

Major developments have taken place in oceanography in recent years particularly in the enhanced networking and cooperation in ocean observing, modelling, data management and ocean services to society.

The year of 2020 has revealed unparalleled opportunities for European oceanography (the European Green Deal, the Digital Twin of the Ocean, the European Commission consultation for a better sharing of responsibilities in ocean observations, etc.), but also unprecedented threats (the impact of the COVID-19 pandemic on observing systems and data collection, the reduction of physical interactions and displacement, etc.).

2021 will mark the beginning of the United Nations Decade of Ocean Science for Sustainable Development. These activities, together with the 2030 Global Ocean Observing System (GOOS) strategy, lay the foundations for a vision of a fully integrated global system that would provide critical information needed for sustainable development, security, and well-being across three main themes: operational services, climate change, and ocean health.

### Reflecting these strategies, the key priorities of the 2020 EuroGOOS conference will be to:

- Discuss the new approach of the EuroGOOS strategy expanding to climate and ocean health;
- Evaluate the ongoing efforts to integrate ocean observing and data initiatives at the global level to meet pressing societal, policy, and economic needs;
- Highlight the benefits of cross-cutting approaches in the EuroGOOS strategy;
- Evaluate the role of marine research infrastructures in the oceanographic system to answer the new EuroGOOS and GOOS strategies, and the EOOS implementation;
- Explore new technologies in coastal oceanography;
- Highlight the progress in linking and aligning European ocean observing networks, stakeholders, and initiatives towards building an integrated and sustained European Ocean Observing System;
- Highlight the progress made in modeling around European seas;
- Highlight the progress made in integrating and aggregating European marine data to enhance their societal and economic potential (Copernicus Marine Service, EMODnet, SeaDataNet, and others);
- Identify the future steps in building the European Ocean Observing System;
- Explore how EuroGOOS and its partners will contribute to the UN Decade of Ocean Science for Sustainable Development.



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## KEY THEMES AND TOPICS

Participants are invited to submit abstracts revisiting the flagship themes of the EuroGOOS conferences in the light of recent developments in ocean observations in Europe.

### 1. In-situ and remote sensing observations: towards a European Ocean Observing System (EOOS) in the framework of the UN Ocean Decade:

- Coordination of ocean observing capacities at regional and global scale;
- Use of research infrastructures to support oceanography;
- In-situ observations: present and emerging technologies, new biological and chemical observations, climate observations;
- New concept of 'transversal support infrastructure' for research infrastructures, including metrology;
- Data management: harmonization at European and global levels;
- Satellite remote sensing: new products, sensors, and missions;
- How European Research Infrastructures will help build a strong European network of observing system operators.

### 2. Ocean modelling and forecasting: extending and improving predictability: Global, regional, shelf and coastal forecasting systems, towards the Digital Twin of the Ocean:

- Assessment of forecasting skill, metrics;
- Data assimilation: new sources and schemes;
- Ecosystem models: present and future developments;
- Next generation ocean models: coupling atmosphere, ocean, and biochemistry;
- Combining models and data for environmental assessments.

### 3. Meeting end-user needs and supporting marine development:

- New oceanographic products and services for users;
- Building an interface with users through a structured collection of and dialogue on their requirements and a service assessment process;
- Promoting the use and uptake of operational oceanographic products;
- Responsible research and innovation in European oceanography: ensuring stakeholder co-design and maximizing use and efficiency;
- Fostering links to industry to enhance European competitiveness through new and existing ocean businesses.

## MORE INFORMATION

The 9th EuroGOOS Conference is organised by the EuroGOOS Office, Ifremer, and SHOM. The EuroGOOS Executive Directors Board and Chairs of the EuroGOOS Regions (ROOS) form the programme committee. For more information, please visit the conference website: <https://eurogoos-conference.ifremer.fr/> or contact the organising committee at: [conference@eurogoos.eu](mailto:conference@eurogoos.eu).



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