



9TH EUROGOOS
INTERNATIONAL CONFERENCE

14-15 OCTOBER 2020
BREST, FRANCE

ADVANCES IN OPERATIONAL OCEANOGRAPHY:

EXPANDING EUROPE'S OCEAN OBSERVING AND FORECASTING CAPACITY



Call for Abstracts

Abstract submission is now open for the 9th EuroGOOS International Conference, **Advances in Operational Oceanography: Expanding Europe's ocean observing and forecasting capacity**, to take place in Brest, France, from 14 to 15 October 2020. The event will be hosted by SeaTech Week (<https://www.seatechweek.eu/>). The EOOS Technology Forum, organized by EuroGOOS, will be held at SeaTech on 13 October 2020.

IMPORTANT INFORMATION

- **Abstract submission** is online at <http://eurogoos.ifremer.fr>
- Abstracts should pertain to one of the **conference themes and topics** detailed in this announcement.
- **Deadline** for submitting abstracts: 31 May 2020; Authors will be notified of acceptance/rejection before mid-July 2020.
- **Full papers** of approved abstracts should be delivered to EuroGOOS by 31 August 2020 for publication in the EuroGOOS 9th International Conference Proceedings.

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.

CONFERENCE FORMAT

The two-day meeting will include plenary, splinter and poster sessions as well as round tables with focused discussions. The main outcomes of the conference will be summarized during the last

day and key messages will be formulated. Participants will be invited to submit abstracts for their presentations, while full papers will be published in the EuroGOOS conference proceedings.



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KEY PRIORITIES OF THE 9TH 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. **2021 will mark the beginning of the United Nations Decade of Ocean Science for Sustainable Development.**

The G7 Working Group on the Future of Seas and Oceans highlighted the importance of ocean observing and monitoring and announced the creation of a Coordination Centre for the

ocean. These activities together with the 2030 Global Ocean Observing System (GOOS) strategy lay the foundations for a vision of a truly integrated global system from the open ocean to the coast, from the surface to the bottom, helping to build directly or by assimilating the data in numerical models, the essential information necessary for sustainable development, security, well-being and prosperity, following three main themes: climate change, operational services, and the 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 a global level, meeting 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;
- Explore some of the new technologies for 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 European Ocean Observing System;
- Explore how EuroGOOS and partners will contribute to the UN Decade of Ocean Science for Sustainable Development (the UN Ocean Decade).



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The 9th EuroGOOS conference themes and topics

A. Europe's contribution to the UN Decade of Ocean Science for Sustainable Development

- The UN Decade of Ocean as a framework to develop partnerships and engagement priorities from the European operational oceanographic community;
- Progress towards exploitation of ocean knowledge and information towards the UN Sustainable Development Goals;
- Enhancing ocean literacy to ensure transparency, accessibility, inclusiveness and co-design of the UN Decade's implementation;
- Ensure that European contributions to the UN Decade promote and adhere to Findable, Accessible, Interoperable, and Reusable (FAIR) principles for data sharing;
- European ocean science, technology and innovation to contribute to the UN Decade's themes of safe ocean, predicted ocean, clean ocean, healthy ocean, sustainably harvested ocean and transparent and accessible ocean.

B. 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, new sensors, new missions;
- How European Research Infrastructures will help to build a strong European network of observing system operators.

C. Ocean modelling and forecasting: extending and improving predictability

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

D. 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 maximize use and efficiency;
- Fostering links to industry to enhance European competitiveness through new and existing ocean businesses.



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Programme outline

The conference will be held in Quarts, Brest, on 14 and 15 October 2020.

Day 1

- High-level opening and keynote talks
- Progress in the implementation of the European Ocean Observing System framework
- Parallel sessions on ocean climate and ocean services
- Poster session
- Social event for the 300th anniversary of the French Hydrographical Service SHOM

Day 2

- Parallel sessions on ocean health and ocean services
- EuroGOOS community contribution to the UN Decade of Ocean Science for Sustainable Development
- Key conference messages

MORE INFORMATION

The 9th EuroGOOS Conference is organised by Ifremer, SHOM, and the EuroGOOS Office, and hosted by the SeaTech Week. The EuroGOOS Executive Directors Board and Chairs of the EuroGOOS Regions (ROOS) form the programme committee.

For more information, please visit the conference website: <http://eurogoos.ifremer.fr> or contact the organising committee at conference@eurogoos.eu.



EuroGOOS
European Global Ocean
Observing System

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