

# 10<sup>th</sup> EuroGOOS International Conference

3-5 Oct 23  
Galway, Ireland

European Operational Oceanography for the Ocean we want – addressing  
the UN Ocean Decade Challenges



2021 United Nations Decade  
of Ocean Science  
for Sustainable Development  
2030

## Call for abstracts

Abstract submission is now open for the **10<sup>th</sup> EuroGOOS International Conference**, European Operational Oceanography for the Ocean we want - addressing the UN Ocean Decade Challenges, to take place in Galway, Ireland, from 3 to 5 October 2023.

## Important information

- **Abstract submission deadline:** 16 April 2023 (23.59 CET)
- Abstracts (maximum 500 words, 3-5 keywords) **should address one of the conference themes and topics** detailed in this announcement, and should be submitted on the Conference website
- **Notification of approved abstracts:** 2 May 2023
- **Full paper submission for publication in the EuroGOOS 10th International Conference Proceedings:** 24 July 2023

## The EuroGOOS Conference

The European Global Ocean Observing System (EuroGOOS) promotes, since 1994, the development of Operational Oceanography in Europe as the component of the Global Ocean Observing System of the Intergovernmental Oceanographic Commission of UNESCO (IOC GOOS).

Every three years the EuroGOOS conference provides a forum for 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 offers an opportunity to discuss how well our ocean monitoring and forecasting are supporting societal and policy needs. The event facilitates dialogue among a broad range of ocean observing and forecasting stakeholders, towards a fit-for-purpose ocean information delivery.

## Conference format

The three-day conference 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 or posters, while full papers will be published in the EuroGOOS conference proceedings.

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## Key priorities of the 10<sup>th</sup> EuroGOOS Conference

We are heading into the third year since the start of the **UN Decade of Ocean Sciences for Sustainable Development** (2021-2030), which was proclaimed with the aim of revolutionising ocean science and triggering a radical change in humanity's relationship with the ocean.

With this as a reference, and following the [EuroGOOS 2030 Strategy](#), the 10<sup>th</sup> EuroGOOS International Conference is addressing the latest research and technology in a wide range of oceanographic services for society. The conference will also discuss transversal issues, such as diversity and inclusion and public engagement.

### The key priorities of the 10<sup>th</sup> EuroGOOS International Conference are:

- Analysing the state of the art and defining emerging priorities in operational oceanography
- Advancing the European Ocean Observing System (EOOS) framework towards the sustainability and integration of in situ observations
- Developing a seamless forecasting system of the European seas and global ocean
- Strengthening the responsiveness of European operational oceanography to policy and governance needs
- Fostering engagement of all stakeholders to co-design the European operational oceanography
- Promoting diversity, equity and inclusivity in oceanography and ocean science
- Integrating European operational oceanography into the global context

### Topics and themes:

#### 1. Innovation and trends in operational oceanography

- a. Advances in in situ and satellite observations
- b. Advances in ocean modelling and forecasting
- c. Improving data quality through innovation (AI/ML, big data, FAIR, CARE and TRUST, etc.)
- d. Digital Twins of the Ocean

#### 2. Co-designing operational oceanography

- a. Observing and forecasting network integration
- b. Science-policy interface at national, European, and international levels
- c. User engagement
- d. Citizen science and engagement

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### 3. Enhancing capacities and inclusivity in operational oceanography

- a. Capacity sharing
- b. Knowledge transfer
- c. New collaborative mechanisms (UN Ocean Decade actions, etc.)
- d. Diversity, equity, and inclusivity in oceanography

### 4. Operational Oceanography meeting European societal needs

- a. New scientific developments to respond to specific societal needs (sustainable blue economy, European Green Deal, Mission Ocean and Waters, etc.)
- b. Nature-based solutions (Marine Protected Areas, coastal hazards, green infrastructures, etc.)
- c. Solutions in a climate change environment
- d. Improving dialogue and interaction between users, decision makers, stakeholders, and scientists
- e. Risk management, emergency prevention, preparedness, and response

### 5. Operational oceanography for climate services

- a. Gathering and responding to climate stakeholders requirements
- b. Integration of oceanographic services with terrestrial and atmospheric domains
- c. Pilot climate services in development across disciplines
- d. Oceanography underpinning climate mitigation (offshore renewables, multi-trophic aquaculture, blue carbon, etc.)

## Programme Committee

The 10<sup>th</sup> EuroGOOS Conference is organised by the EuroGOOS Office and the local hosting organisation, the Marine Institute, Ireland. The EuroGOOS Executive Directors Board and experts of the EuroGOOS Regions (ROOS), Task Teams, and Working Groups form the programme committee. For more information, please visit the conference website, or contact the organising committee at: [conference@eurogoos.eu](mailto:conference@eurogoos.eu).