Together for sustained ocean observing and maritime services
Why EuroGOOS?

Seas and oceans have always been important for Europe. Today, ocean observing, forecasting and service development have an unprecedented potential to help meet societal challenges.

Ocean observing, forecasting and services, otherwise called operational oceanography, underpin significant decision and policy making in the marine domain.

Operational oceanography comprises ocean measurements systematically taken both in water (in situ) and remotely (from aircraft or from space), as well as the derived marine data and services delivering quick and precise information and forecasts about the ocean state.

This information is paramount for any uses of the ocean, e.g. navigation, storm surge forecast, search and rescue operations, maritime spatial planning, etc. Operational oceanography also delivers critical information for environmental research and for exploring new ocean technologies for renewable energy, biotechnology, or oil, gas and mineral exploration in the deep sea.

EuroGOOS members and regional partners deliver those services to their nations, and collectively, through EuroGOOS, improve the overall European capacity and competitiveness. Through EuroGOOS this vast network works together to strategically align efforts, enhance technological development, unlock existing marine data, and share capacity in and beyond Europe.
Tangible value

Bringing together individual achievements we create a solid joint European capacity.

We identify European priorities for operational oceanography:

- **Bringing** together a vast European operational oceanographic network across nations and regions.
- **Unlocking** individual public and private marine data for a shared common benefit.
- **Interfacing** with the research community, industry, maritime users, and European policymakers.

We promote operational oceanography and the development of underpinning science and technology:

- **Delivering** a forum for engaging with stakeholders towards a European Ocean Observing System.
- **Representing** European oceanography at global and regional levels.
- **Implementing** a targeted communication strategy towards a sustained and fit-for-purpose European Ocean Observing System.

We foster cooperation within operational oceanography:

- **Maximizing** the impact of European research funding.
- **Working** closely with key organizations on a regional, European, and global scale.
- **Supporting** development of commonly available operational, observation and model-based, products and services.
EuroGOOS works towards sustained ocean observations and fit-for-purpose products and services for marine and maritime users.

Operational oceanography can advance only by maintaining strong links with the research community, bringing about technology innovation, while industry, end users and EU policies play a key role in shaping future requirements.

Founded in 1994 as an informal association; since February 2013, EuroGOOS is established as an International Non-Profit Organization in Belgium (EuroGOOS AISBL) increasing efficiency and improving the representation of its members towards the European Commission, and other European and international bodies. EuroGOOS operates within the Global Ocean Observing System of the Intergovernmental Oceanographic Commission of UNESCO (IOC GOOS).

Since its foundation, EuroGOOS has been bringing together the oceanographic community at a tri-annual international conference. Eight EuroGOOS conferences have taken place to date, each considered as a milestone. The conferences reflect the state-of-play and set future priorities for European oceanography across the full value chain, from observations to data processing and modelling, and to delivering fit-for-purpose services and products for users.
EuroGOOS is centrally placed in the European ocean observing landscape, from data collection, to research infrastructures, to data management and to user-interfaces.

Who can benefit from EuroGOOS activities?

EuroGOOS members benefit from a coordinated representation at European, regional and global levels and promotion of common strategies for sustainable ocean observing. EuroGOOS engages in key initiatives with European and global impact and interfaces with the wider marine research community and industry. This enhanced cooperation leads to commonly available oceanographic products and services as well as increased funding opportunities and investments in operational oceanography towards a sustained European Ocean Observing System.

EuroGOOS Kostas Nittis Medal and a travel grant is awarded each year to a brilliant young marine professional selected from a pool of nominations from EuroGOOS members. The awardee gets a chance to present their research or technology at relevant events, building a professional network, gaining real life experience and reaching out to potential partners and employers.
How does it work?

Members

EuroGOOS members are working in the field of operational marine services or related marine research. The activities of the organization are managed by the Executive Directors Board composed of a Chair and six members, appointed by the General Assembly. The EuroGOOS Office is managed by the EuroGOOS Secretary General supported by oceanography, communications, and administration professionals ensuring the organization’s high-quality outputs.

Regions

Five Regional Operational Oceanographic Systems (ROOS) have been defined. EuroGOOS ROOS feed marine data to pan-European portals bringing a tangible added value to European cooperation. Working hand in hand, EuroGOOS members, ROOS, and other EuroGOOS networks jointly enhance the European leadership in ocean observing, forecasting and services.
Operations in the oceanographic value chain:

1. **Collecting data**
2. **Processing and modelling**
3. **Delivering service & information**