



EuroGOOS

European Global Ocean
Observing System

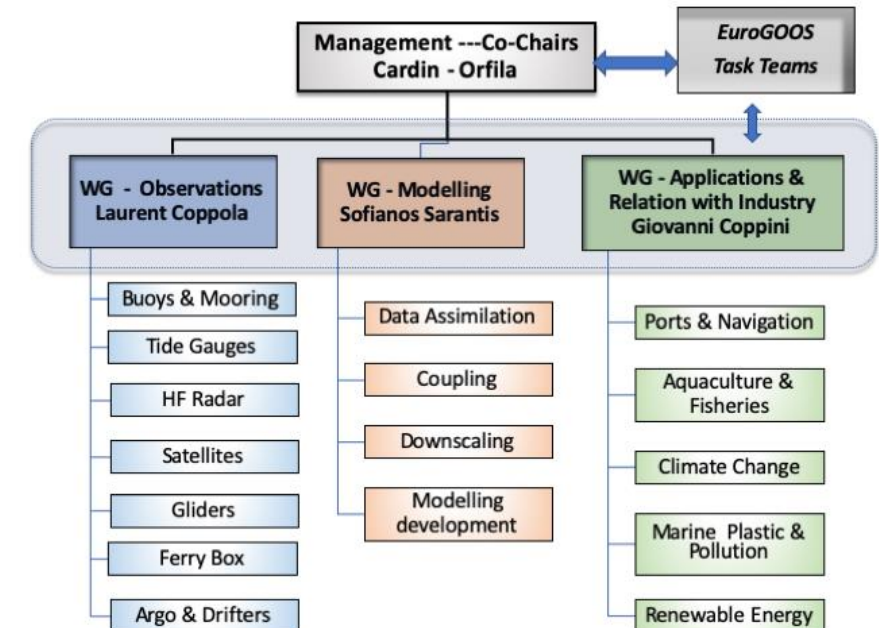
SWOT assessment by MONGOOS

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Already established Science and operational advances communities

Organization

- Large number of members, increasing in time (but not to much contribution)
- New MONGOOS structure (correct?)
- Web page migration to EuroGOOS server (www.mongoos.eu)
- Update to MONGOOS and EuroGOOS web page
- Partners and Institutions update
- Annual meeting (Trieste - Italy 5th December)
- Start contact with Algeria to be part of the network
- Private companies entering MONGOOS
- Broad range of capacities



News & events

News

Eighth MonGOOS Meeting & Workshop December 3-5, 2019 Trieste

The Annual General Assembly of MonGOOS will take place in Trieste, Italy. A one-day workshop will be organized prior to the General meeting (afternoon of 3 December and morning of 4 December) to discuss 'Modelling and observations in the coastal Mediterranean Sea: Physical and Biogeochemical Process'. Register here: <https://forms.gle/2Lz14pm9wv12VT9TP8>

[View ..](#)

Strengths of MONGOOS

Science –based activities

- *MODELLING AND OBSERVATIONS IN THE COASTAL MEDITERRANEAN SEA: PHYSICAL AND BIOGEOCHEMICAL PROCESSES* Workshop to be held in Trieste-Italy (3-4 December) – 34 Contributions + 70 attendees
- **EGU 2020** – Session: Progresses in Mediterranean multi-scale operational observing and forecasting systems
- **Mediterranean Science Spreading:** Ocean Science Special Issue for the Mediterranean Sea (2020)



WORKSHOP
“MODELLING AND OBSERVATIONS IN THE COASTAL MEDITERRANEAN SEA: PHYSICAL AND BIOGEOCHEMICAL PROCESSES”

3-4 December 2019
Camera di Commercio, Industria, Artigianato
e Agricoltura Venezia Giulia
Piazza della Borsa 14 - Trieste (Italy)



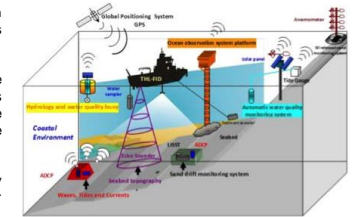
OBJECTIVE OF THE WORKSHOP

Operational oceanography in the Mediterranean Sea is available nowadays to thousands of users through services dealing with societal challenges.

The major interface between humans and the ocean occurs in the coastal seas. Marine industries thrive in this area while European citizens make daily use of the coastal ocean for tourism, leisure and recreation.

Operational oceanography assists both industry and the general public to make decisions about their use of and access to the coastal ocean.

The aim of the workshop is to touch on all aspects of the coastal zone ranging from the study of processes that affect it to the application of methodologies to provide services to the community.



WORKSHOP SESSIONS

The workshop will be divided in three sessions:

Session 1 - Science base operational oceanography

It will cover all the aspects of the monitoring systems from in situ measurements to moving platforms. In this session, multidisciplinary studies addressing existing observing systems as well as new strategies to improve them will be welcomed. We invite contributions using in situ technologies, remote sensing and gliders. Particular foci are placed on (i) the analysis of strengths, weaknesses, gaps in spatial/temporal coverage, and missing monitoring parameters in existing observation networks and databases.

Session 2 - Modelling

The session will provide a forum for multi-scale hydrodynamic modeling and integrated observational studies that aim toward scientific validation, prediction and operational applications of numerical models in coastal and shelf areas. Applications of nested models, such as the influence of physical processes on ecosystem dynamics and interdisciplinary coastal simulations and predictions are also welcome.

Session 3 - Products and Applications

Applications and products QMEMS. Presentation of downstream services and uses. Different relevant sectors are considered, such as: a) Aquaculture and fishery b) Tourism and sports activities; c) Integrated Coastal Zone Management and Maritime spatial planning; d) Transport and harbor services; e) Marine digital services; f) Technologies for maritime safety; g) Climate change and anthropogenic impacts on marine environment and; h) Energy from the sea

Weakness of MONGOOS

Data sharing & gaps

- Integration with EuroGOOS WG – (Ambassadors) + other ROOS's
- Most observations rely on projects and not on national funds
- No projects involve MONGOOS directly
- Not fully established data sharing
- Serious geographical gaps due to lack of observations and/or poor data policy, especially in Central-Eastern Med Sea and on the Northern African coast
- Limited relationships with other stakeholders as EMSA, EUMETNET and UNEP-MAP
- No connection with MarineBoard and JPI-ocean
- MEDOS failure is a problem for normal development of MONGOOS strategy



Opportunities

- General consensus in advancing in the integration of the observation networks in the Mediterranean
- Coordinating / initiating more EU projects with members
- Enlargement of MONGOOS partnership in African countries, include Arabs countries
- Engagement of the MONGOOS partners in providing in situ and remote sensing observation and modelling products for the MONGOOS portal and for the CMEMS and EMODNET activities, enhancement of open data policy



Threats

funds

- lack of funding for the coordination of activities
- MONGOOS network is not properly funded with no support from European institutions. This makes difficult to sustain and to integrate new activities and observing systems
- Poor cooperation with BlueMed
- Possible future loose of momentum due to lack of MEDOS project



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Integration workshop



How can the EuroGOOS Office better service the needs of your ROOS, WG or TT?

- Support IT activities (Webpage, information dissemination, outreach, etc.)
- Inclusion of MONGOOS activities in the EuroGOOS projects
- Active link between MONGOOS and the EC