EuroGOOS
Strategy and 2016-2017 priorities
Revised implementation structure (TBC)

Strategic priorities

Co-production

Cooperation

Sustained Observations

Promotion

Annual Implementation plan

Task teams

Working groups

WG/TT/ROOS meetings

EuroGOOS 24 May 2016 | eurogoos.eu | twitter.com/EuroGOOS
2016-2017 Principles

Establish EuroGOOS as the “go to place” for operational Oceanography by being a trusted source of relevant and timely information to marine and maritime stakeholders in all European sea basins.

Develop a framework for sustained end-to-end European Ocean Observing System (EOOS)

Expand EuroGOOS membership to ensure that all active participants in European operational oceanography are represented by the organisation

Demonstrate European leadership at global level by engaging fully with the Global Ocean Observing System (GOOS), Essential Ocean Variable panels, GOOS Regional Alliances Forum and with the Group on Earth Observations in the development of the Group on Earth Observations System of Systems (GEOSS)

Provide an attractive Communications platform for the policy community to expand understanding of our community’s activities and its relationship to key policy drivers
**Priority 1:**

**1. Data:** Marine data underpin the operational oceanographic system in Europe today with observations collected for real-time monitoring, assimilation into forecast models and archived long-term for climate and assessment purposes. EuroGOOS will focus on the following elements:

**Within the EOOS development map the data availability in European regions:**

**Real-time transmission:** develop initiatives that increase the real-time delivery of data from various platforms deployed in European seas.

**Unlocking data sets:** highlight inconsistencies in geographic and temporal coverage of key data sets and assess how data currently unavailable can be made available to the wider user community.

**Enhancing and increasing Biogeochemical observations:** Evolve observing system to have a higher proportion of biogeochemical measurements as part of the overall number of observations.

**Provide open access to data:** using existing portals and examining data policies in the regional sea basins, ensure data are openly shared with the user community with minimal bureaucracy and complications.

**Establish an interface with users of data (both end and intermediate users),**
Priority 2:

2. Sustained observing system: Building an ocean observing system that can be sustained over decades will enable key societal questions to be addressed including ocean health, supply of ocean goods and services, real time operational services, and climate assessments. A framework is required to enable funders, implementers and users to interact ensuring longer term sustainability of the ocean observing system, fully integrated into GOOS and GEOSS strategies for global coverage.

EOOS: Develop the framework for a European Ocean Observing System (EOOS), set up and facilitate a steering group for EOOS, draft a roadmap, engage stakeholders for feedback, and develop an EOOS communication and stakeholder engagement strategy (i.e. ensure relevant, up-to-date information and interface for the EOOS implementers, funders, and users.

Membership: Encourage ROOS members to become full members of Scan the landscape for members contributing to filling the identified data and observing system gaps.

Regional Systems: promote our ROOSes and ensure good succession of steering group members and chairs of each ROOS. Ensure consistency of strategies between EuroGOOS and ROOSes.

Task Teams: set up a coordination mechanism to ensure a full alignment of the Task Team activities with the EuroGOOS strategies for EOOS and ROOSes.
**Priority 3:**

**3. Products:** The operational oceanography community develops products for a variety of users for ecosystem assessments, fisheries studies, real-time decision support to marine operations, emergency scenarios, e.g. search and rescue, oil and pollution spills and for tourism and leisure activities in our seas. EuroGOOS has a role in product development through its 40 members and by building collaborations with CMEMS, EMODnet, ICES, GEO, GOOS and other users.

**Fit for purpose:** Working with key stakeholders, including industry partners reinvigorate the EuroGOOS Products working group to ensure a broad based membership and the production of fit for purpose products and services for end-users.

**MSFD tailored products:** One of the major drivers for monitoring in European regional seas is the Marine Strategy Framework Directive. EuroGOOS will ensure that tailored products are delivered to support this directive by engaging key implementers of the Directive over the coming 2 years.

**User uptake:** EuroGOOS will work to enhance the update of data and products from the Copernicus Marine Environment Monitoring Service and EMODnet primarily by communicating with both users and producers to encourage the use of such products.
Priority 4:

4. Communications Interface: EuroGOOS to produce targeted material in both printed and on-line format. Use social media tools such as Twitter and through the EuroGOOS website. The EuroGOOS communications strategy will underpin all the EuroGOOS strategic activities.

Bridging the science/policy divide: produce policy briefs and other relevant information, if needed, in liaison with European Marine Board and engage with European policy and decision-makers.

Work with member organizations to inform Member States’ decision-makers of the EuroGOOS priorities (e.g. via national workshops or targeted communications).

Promote member products: Using social media and websites, ensure frequent updates.

Assist member activities with communication plans: assisting members communicate issues related to the ocean observing system, ocean forecasting and operational oceanographic products e.g. EuroARGO, ROOS activities, Working Group outputs etc.

Wider Operational Oceanographic community: EuroGOOS will demonstrate European Leadership at global level by engaging fully with the Global Ocean Observing System (GOOS), Essential Ocean Variable panels, GOOS Regional Alliance and the Group on Earth Observations System of Systems (GEOSS)
Priority 5:

5. Cross-cutting activities: involve more than one of the five key areas identified in the 2014-2020 strategy i.e. Priorities, Promotion, Cooperation, Co-production and sustained observations.

EC Projects and tenders: EuroGOOS is involved in various projects e.g. AtlantOS, JERICO-NEXT, ENVRI+, COLUMBUS and contracts including Pro-Atlantic, Baltic Checkpoint, CMEMS INSTAC, EMODNet Physics. Delivering high-quality outputs from these projects in a timely manner is critical to EuroGOOS over the coming years.

Task teams: It is critical that EuroGOOS retains the expertise to plan and prioritise the various platforms that make up the observing system. Similarly, EuroGOOS must ensure that the terms of reference are relevant and evolve as priorities change.

Working Groups: Appropriate expertise is retained through these working groups with adaptive terms of reference.

Advisory role: It is seen as a strategic activity and should be continued in the coming years.

Communication: EuroGOOS communication underpins all the activities, via promotion, enhancing cooperation and co-production, and aiding setting strategic priorities for an integrated and sustained European Ocean Observing System, set in a global context.
Other considerations

GOOS framework: EOV panels (EuroGOOS member participation)

GOOS Regional Alliance Forum and calls (endorsement of projects, capacity building)

GEO Blue Planet (discussions on users and Blue Planet Structure)
EOOS is a coordinating framework designed to:

- **align and integrate** Europe’s ocean observing capacity;
- **promote** a systematic and collaborative approach to collecting information on the state and variability of our seas;
- **underpin sustainable management** of the marine environment and its resources.
Both bottom up: community push

Top down: policy pull and support

Not an infrastructure or a system with a central governance BUT a common conceptual framework and a brand, endorsed and promoted, representing a consolidated vision of the EU Ocean Observing as a whole

EOOS will help:
• local/national/regional prioritization and funding
• pan-EU cooperation (communal synergies and projects targeted at filling the gaps)
• EU leadership at the global level
Strong European capability and leadership in ocean observing

Operational users
- CMEMS
- EMODnet
- Other
- Products/services for Blue Growth

Scientific knowledge and Innovation
- MSFD
- MSP
- CFP

Data and Cyber-infrastructure

Ocean Literacy & Citizen science

Policy Evidence-base

Optimisation & Standards

BGC
- System Gaps

Alignment & Integration

VFM
- Capacity building

Steering Group Forum

Common Voice for European Ocean Observing
EuroGOOS Structure

Mainly physical variables

Task teams
- Tide Gauge
- Ferrybox
- Glider
- HF radar
- Euro-ARGO
- Fixed Platforms
- Animal-Borne TT

BOOS (Baltic)
ARCTIC ROOS
EMODNET, SDN, EG, Checkpoints, ICES, CMEMS, Data MEQ
BOOS (Baltic)
IBI-ROOS (Iberia-Biscay-Ireland)

Data-MEQ
EOOS: alignment with existing activity

Governance and policy context

- SG members identified
- Collaboration with EMB
- Contact with ICES/JPI

Observing system: current status and readiness

- EuroGOOS/GOOS mapping
- AtlantOS activity
- JERICO NEXT
- EMODNET inventory
- EEA report

GOOS Activity (FOO)
- AtlantOS WP1
- EEA in-situ coordination
- CMEMS contract (TBD)
- ROOS knowledge

Requirements for sustained ocean observations in Europe

- AtlantOS OSSE/OSE
- JERICO/ J-NEXT
- DG MARE Sea basin checkpoints
- EMODNET human activities
- ROOS Activities

Gap analysis: OSE/OSSE experiments + Seabasin CP/ MSP
Unlocking valuable existing observational data sets not currently shared

Defining gaps in the bathymetric mapping of the EOOS area

EMODNET Physics 2/3
New EG and ROOS members
EuroGOOS (PG work)

EMODNET Bathymetry
EC Seabed Mapping WG
EuroGeoSurveys

EuroGOOS members
AtlantOS WP8
Planned in BG9 and BG12

Pilot demonstrators
Observing system benefits

Logo for approval
EuroGOOS communication role
Webpage roll-out
Planning Parliament event(s)
Communication to EG members

Communication and citizen science
EOOS progress to date

• **Web presence:** Initial EOOS website design and Logo
  [EOOS-ocean.eu](http://EOOS-ocean.eu) domain reserved

• **Promotion:** GO-SHIP-ARGO-IOCCP, AGU paper, JERICO WP leads,
  GOOS Regional Forum, OOPC/OCG, EC Mapping Workshop,
  EU-CA Session on Oceans, discussions with JPI and ICES,
  CIESM (September), COLUMBUS

• **Steering Group:** First meeting in April 2016, next planned in September
  • Petihakis, Sousa Pinto, Le Traon, Nolan, Mc Donagh, Shepherd, Wood (observer)
Next steps agreed:
Develop a draft roadmap;
Identify stakeholders, deliver a mailing list;
Consult with the community (mailing), and deliver presentations at events;
Develop communications strategy, including the ocean literacy component;
Finalize and launch the roadmap (e.g. EP event);
Promote pilot demonstrations (projects addressing specific gaps);
Develop EOOS website, including a comprehensive repository of relevant background information (documents, initiatives).

• Roadmap:

Introduction: background and rationale
EOOS
Vision                     EOOS topic areas / building blocks
Definition                 Actions and time line
                                          Short term
                                         Medium-long term
EuroGOOS Office update

Accommodation
• Received notification to leave BELSPO in June (BELSPO president)
• Following negotiations with BELSPO and background input from RBINS this decision was reversed, looks safe to ca. 2018.
• With new Scientific Officer we will be at capacity in offices
• Useful to have “hot desk” facility for Erik and Patrick (and visitors)
• SG will make request to BELSPO for more space shortly

Communication
• Plan under development by Dina
• Material already produced for EOOS and Membership benefits
• Useful interactions yesterday on tools that WGs/TTs and ROOSes may use
• Twitter success to date
EuroGOOS Office update

**GEO**
- EuroGOOS continues role on GEO High Level Steering Group as observer
- Preparation of GEO strategic plan (2016-2025) in progress
- Alan Edwards (formerly DG Research) active in preparing plan
- Office met with Alan in August to better understand GEO process
  - Alan felt there were opportunities to influence funding calls particularly on capacity building with Gilles Ollier and Jane Sheil of the GEO EC team
- Next HLSG on October 23rd (prep for Mexico plenary in November)

**Working Groups**
- Redefinition of Products WG
- MONGOOS members for COSMO, rather than dedicated non-functional group in MONGOOS
- TPWG: Endorse new proposed chair and complete report.
## EuroGOOS Office update

### Meetings of note
- JPI conference and subsequent informal meetings
- COLUMBUS Kick-off meeting (April)
- Interactions with EMB throughout summer 2015 following EOOS Brainstorming WKSHP
- Maritime Day/ Kostas Nittis Medal
- Chair/SG meeting with Mercator (July)
- CMEMS User workshop (September)
- GRA Forum (report later today)
- Parliament meetings

### Project meetings
- AtlantOS kick-off (EB is formulating work plan with IOC)
- ENVRI+ kick-off and subsequent questionnaires
- CMEMS In-situ TAC kick-off (workplan submitted)
- Baltic and Atlantic checkpoint kick-offs (incl. joint meeting with Med checkpoint)
- JERICO Next kick-off meeting
## EuroGOOS 2015 Budget
### YTD as at 25/01/2016

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Membership strategy

Brainstorming during September team meeting (EB, GN, DE, PG)

- All ROOS members will be approached to become members.
- Promotional brochure developed
- Discussions with PLOCAN, Slovenia and NIVA, Norway (some promotional material sent)
- List of other target members developed

Membership issues

- ENEA notified Office that they will leave EuroGOOS AISBL (hopefully temporary)
  - Fee is still due for 2015 (AISBL rules)
- Cyprus: non payment for 2 years, much informal discussion in 2015, new correspondance in October 2015
- CEFAS: non payment in 2015 and hard to establish appropriate contact
  - SG to contact Steve Malcolm who signed founding declaration
Rethinking the GOOS Regional Alliances
• EB suggested some changes to how GRA functions but resistance from GOOS SC Chair

Mismatch between GOOS Projects and GRA Projects
• GOOS projects have higher “status” than GRA at present

North Africa and wider capacity building
• Joint MONGOOS EuroGOOS activity proposed
• Wider initiatives on capacity building suggested (training + fellowship programme)

Global modelling inventory and data portal
• EuroGOOS presented the work undertaken by Patrick Gorringe (EuroGOOS) and Laura Greisbauer (NOAA) as well as a pilot global data portal for real-time oceanographic data.
GRA Forum (Heraklion, September)

Chair and vice-chair
- Tim Moltmann of IMOS elected GRA chair, Erik Buch elected GRA vice chair

HF Radar (Global and EuroGOOS TT)
- Back to back meetings of these 2 initiatives and joint session with GRA Forum