THE GLOBAL OCEAN OBSERVING SYSTEM, GOOS, REGIONAL ALLIANCES
IODE Capacity Development Strategy

- Human resources
- Physical infrastructure
- Sustained resource mobilisation
- Strengthen communities of practice
- Ocean research policies
- Visibility and awareness
GOOS capacity development task team

Terms of reference:

• Discuss and **review the Strategy and Implementation Plan drafts** from the particular perspective of embedding Capacity Development,
• Develop and **document ideas on GOOS role**, source material for CD (including best practice resources),
• **Engage partner organizations such as POGO,**
• Identify **potential funding sources to create a step change in GOOS CD activity,**
• Provide **input to the development of the IOC CD Implementation Plan,**
• Report to the SC on progress [SC-7]

**Members:** Nolan, Affian, Marsac, Miloslavich, POGO representative, Pissierssens (IOC CD coordinator) or Delgado (Ocean Teacher Global Academy)
Asset mapping – HF Radar
Asset mapping – Gliders
Asset mapping – Mammals
Asset mapping – Mammals

**Animal-Borne Instruments**
Together with the EuroGOOS Animal-Borne Instruments (ABI) Task Team make available data from more than 900 animal-borne instruments deployed over the past 25 years and link to global initiatives

Tracks of seals in the North Sea from mid-July 2008 to end of November 2008 collecting **61112 CTD profiles** (Isachsen et al. 2014). Data to be accessible in a near future.
Asset mapping

HF Radars
- Data from IOOS, IMOS and Europe connected
- EMODnet portal behind the GEO HFR Network interactive map
- Good progress and collaboration but needs more input, metadata and data, from other GRAs

Gliders
- Metadata from IOOS connected, data to be connected in a near future
- Working on IMOS and European data and metadata
- Need more input, metadata and data, from other GRAs

Marine mammals
- Working in collaboration with MEOP
- Very good progress
First discussions with SOOS in late March

We operate a portal for SOOS - SOOS provides the input (metadata and data)

Intense discussions in June on the approach and design

The portal was in place within a month

win-win!

Created momentum within SOOS to collect additional metadata and data and to get organized

Portal tailor-made for SOOS needs

Portal demonstrates the capacity in the region

Acts as a motivator for new data providers to share data

Physical, biological, chemical parameters

Archived and NRT data

Additional data and functionalities are on the way
Can be done for any GRA
Catalogue of existing global, regional and coastal ocean models generated from the GOOS Regional Alliances (GRAs). The information has been provided by modelling experts in the respective GRAs.
Global modelling inventory

- GRAs can edit their information and add new information/models via login (to be provided) directly on the webpage, http://eurogoos.eu/models/

- New entry fields added after recommendation from the 7th Session of the GOOS Regional Alliances Forum, Heraklion

- If input information sufficient, updates will be visible in the “portal” directly

- Still lacking info from a number of GRAs

- Information is getting outdated.....
  - If GRAs to continue the activity an update is required
  - Provide guidelines?
Interactions with GOOS

GRAs to provide **feedback on the Draft GOOS Strategy** during the internal GOOS review period. Strategy should explicitly include coastal observation, modeling, and products.

Maintain watching brief on the **G7 opportunity for GRA pilot projects**. **Explore potential for GOOS Africa to evolve, including engagement with SAEON.**

**Support CIOOS in its development**, and its collaboration with US-IOOS (and others).
New Networks

**Encourage all GRAs with ocean glider programs to engage with the Ocean Gliders team**, helping to set standards, getting involved in task teams, contributing data. OG Team to promote training and exchange opportunities.

**Encourage all GRAs with radar programs to engage with the Global HF Radar team**, helping to set standards. Specific follow up with [SEA-GOOS and NEAR-GOOS GRAs](https://seagoos.org) involvement, and availability of metadata if not data.
New Partnerships

GRAs to work with GOA-ON to support the development of standard methods in regional nodes where possible, noting that programs can range from simple to complex (Class 3/2/1/0 sites). The partnerships between Pac-IOOS, WESTPAC, PI-GOOS provide a good example of what can be achieved.

Support GOOS Bio-Eco Panel in advocating for capacity building in sustained observing/monitoring – GEF/LMEs, UNEP/Regional Seas, CBD/SOI etc. (Any specific actions?)

Provide input to the OOPC Boundary Current/ Shelf Sea Interaction task, including GRA report to GOV and stronger engagement with COSS-TT.

JCOMM
Engage with the OCG Best Practices and Standards activity, providing information on existing BPs in GRAs and advice on priorities.
Maintain a watching brief on ET-MOWIS and Open GTS.
GRA Pilot projects

Continue to support **MESCAT** in seeking funding opportunities.

Reconsider the focus of a **potential pilot project in the Pacific** – PI-GOOS, US-IOOS/PacIOOS, IMOS, WESTPAC/SEA-GOOS, NZ, France.

Maintain **watching brief on the 4M project** as a potential GRA pilot, and explore links with COVERAGE. **Now evolved into Sargassum and Oil spill project**

Potential new pilots
- Modelling/forecasting in the Indian Ocean /multi-model comparison
- Defining requirements across GRAs (modular approach)
MESCAT Motivation (Puertos del Estado)

- Sea level is a key variable in the region:
  - Affected by climate change, will have an enormous impact on economy and population
  - Risk of Tsunami

- Monitoring sea level is neither expensive or extremely complex, but...

strong and unacceptable North-South unbalance!