

## ROOS reporting: IBIROOS 2014

**Brief status of organization and membership:** *evolution of organization (e.g. changes in founding documents, vision or strategy, legal status etc.) and ROOS members; EuroGOOS membership within ROOSes.*

Signed	Potential members
<ol style="list-style-type: none"> <li>1. AZTI/Spain</li> <li>2. MeteoGAlia / Spain</li> <li>3. Euskalmet-Basque Météorological Agency / Spain</li> <li>4. I.E.O / Spain</li> <li>5. Ifremer /France</li> <li>6. Instituto Hidrografico /Portugal</li> <li>7. INTECMAR/ Spain</li> <li>8. IPIMAR / Portugal</li> <li>9. Irish Marine Institute/ Ireland</li> <li>10. IST / Portugal</li> <li>11. Mercator-Ocean/France</li> <li>12. SHOM/ France</li> <li>13. Météo-France/ France</li> <li>14. CNRS France</li> <li>15. Puertos Del Estado/Spain</li> <li>16. NERC / UK</li> <li>17. CETMEF/France</li> <li>18. MetOffice / UK</li> <li>19. Universidade dos Açores, Portugal</li> </ol>	<ol style="list-style-type: none"> <li>1. Centre for Environment, Fisheries &amp; Aquaculture Science (CEFAS)/UK</li> </ol>

IBI-ROOS is also compiling a new strategy document for the 2014 to 2020 period. We envisage a strong alignment with the recently drafted EuroGOOS strategy and have compiled a drafting team for the IBI-ROOS strategy. This is expected to be available at the EuroGOOS conference in Lisbon this year.

**Status of in-situ observing system.** *Each ROOS should define a target for the regional observing system [e.g. number of active FerryBoxes, fixed stations (surface and water column), wave stations, tide gauges, Argo float, gliders, HF radars, etc] and should report on the evolution with respect to this target. One standardized figure on the active platforms for a given year in the ROOS and a table on the number of different platform and percentage with respect to target (akin to what is done for Jcommops for GOOS). A similar table of the real time data transmission (percentage of data available in real time). (EuroGOOS together with ROOS could set up a standard tool to monitor the regional observing systems and associated data streams based on EMODNET and MyOcean).*

The figure below is the working definition of the IBI-ROOS observing system (within the overall European system) plotted by platform type. It was agreed at the Annual meeting that this should be updated both statically and dynamically as new platforms come on stream.

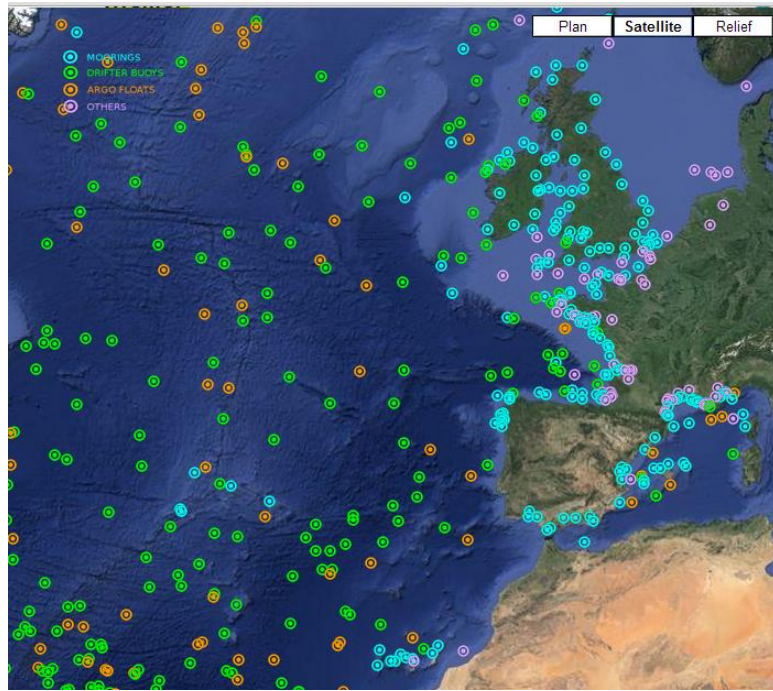


Figure 1: The IBI-ROOS observing system including wave or CTD measurements, Argo floats, drifting buoys. **Note that much of the Iberian HF radar systems have yet to be included here. (courtesy Coriolis)**

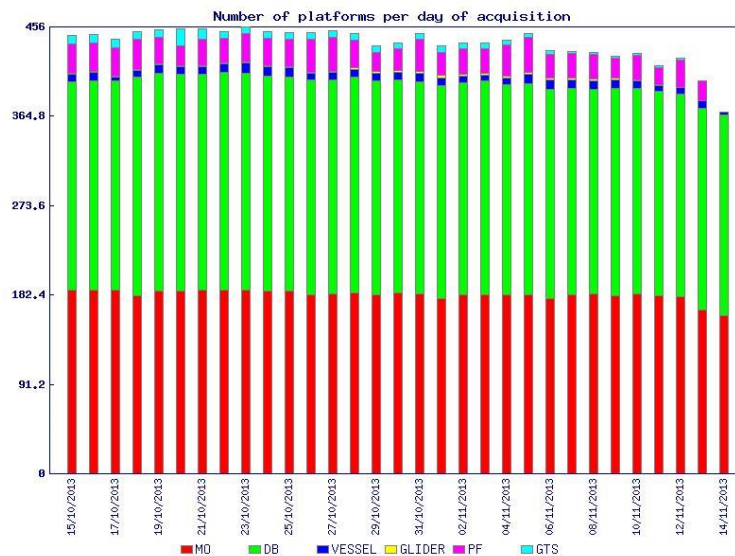


Figure 2: Snapshot of RT observations per day for the IBI area. (courtesy Coriolis)

**Status of regional and coastal ocean analysis and forecasting oceanography systems including interfaces with Copernicus Marine Service.**

Many of the IBI partners have a well developed modeling and forecasting system. Strong links exist between such systems and the Copernicus Marine Service through IBI partners that are part of the MFC in MyOcean (Puertos) and those who are developing demonstrators at local level within WP3 of MyOcean (IEO, IMI, IST, IFREMER).

Tools have been developed through previous projects eg. EasyCo to co-present and display different institutes model outputs on a single portal. We intend to streamline this further in the coming year with the assistance of IST, Lisbon who coordinated this activity.

## **Applications and services (observations and models): status and new downstream services.**

The IBI-ROOS community are very active in the development of new applications and services. Of particular note at the recent annual meeting in Santiago (March 3<sup>rd</sup> to 5<sup>th</sup> 2014) were:

New services developed at Instituto Hidrografico, <http://www.hidrografico.pt/produtos.php>

The ASIMUTH HAB forecast and bulletin <http://www.asimuth.eu/en-ie/Pages/default.aspx>

Others ??

AZTI??

5. **R&D activities from members** (focus on collaborative actions). This should be a short report on new developments that are of wide interest for EuroGOOS: development/test of new in-situ sensors, results from new satellite missions, modeling (incl. coupling) and data assimilation R&D.

IBI-ROOS have successfully completed several Interreg and EC funded research projects including:

EasyCo: focus on biogeochemical modeling <http://www.project-easy.info/>

ARCOPOL: focus on oil spill modeling and awareness <http://www.arcopol.eu/home.aspx>

ASIMUTH: developed to provide real time HAB bulletins to the Aquaculture industry <http://www.asimuth.eu/en-ie/Pages/default.aspx>

There is considerable collaboration at national level including the **RAIA observatory project in Spain, the Lorea project in SE Bay of Biscay** and the SmartBay project in Ireland [www.smartbay.ie](http://www.smartbay.ie).

We also collaborated on submitting a downscaling project (MyCoast) which was not selected for Interreg funding but which we intend to resubmit.

IBI-ROOS will work closely with JERICO as we prepare the follow on project to JERICO (submission in September 2014).

We will have a number of R&D activities within the AtlantOS project (if successful).

IBI-ROOS also plan to submit a COST action proposal on oceanographic products in cooperation with EPWG and EuroGOOS members.

### **Contribution to EuroGOOS WGs.**

IBI-ROOS is active in TPWG (Glenn Nolan) and EPWG at present. IBI has also attended recent meetings of the SAWG. IBI will propose new members for the various WGs of EuroGOOS in the coming months.

**ROOS visibility and dissemination** (e.g. activities/meetings for users, feedback, web site, newsletters etc)

Puertos del Estado have put considerable effort (with MyOcean project support) into developing the IBI portal which can be viewed at <http://www.ibiexplorer.eu/>

Individual member agencies of IBI-ROOS continually promote the activities of their organizations and the IBI-ROOS system

### **Plans for the following year.**

Engage with EMODNET physics to:

Update the platforms reporting into the EMODNET portal from the IBI region  
Include HF radar data and limited thermosalinograph data in the portal

Complete the IBI-ROOS strategy for 2014 to 2020 by October 2014

Continue to develop opportunities under AtlantOS and JERICO and to seek new project funding from the EC and other sources to develop applications and services in the IBI region