IBIROOS WORKPLAN 2019

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| Full ROOS Title | Ireland-Biscay-Iberia Regional Operational Oceanographic System |
| Established | 2003 |
| Chair/co-Chairs | Manuel Ruiz Villarreal (IEO, Spain), Julien Mader (AZTI, Spain) |
| Current members and link to members web page | 17 members/5 countries (Portugal, Spain, France, Ireland, UK) |
| Main contact person | Manuel Ruiz Villarreal (manuel.ruiz@ieo.es)Julien Mader (jmader@azti.es) |
| Webpage | http://www.ibi-roos.eu/ |
| Objective  | (Update of the strategy in progress)Foster cooperation* Interaction with EuroGOOS (WG,TT)
* Regional cooperation: Interreg funding (Atlantic Area, Transnational cooperation)
* IBI Community is diverse (observations/model/product; core/downstream services; European/national/local actors)

**Co-production*** Data exchange of in situ data specially in coastal areas
* Sharing know-how and promoting data sharing following OGC standards. Sharing best practises of acquisition of observations at sea.
* Joint production, distribution and transfer of all types of products according to interoperability standards allowing joint use of the partner’s products for developing downstream services.
* Toward multi-model ensemble products based on partners’ forecasts. Joint operational validation of regional and coastal model output

**Sustained Observation*** Active in the EOOS development
* Promotion of Atlantic Area coastal observatories
* Physical (incl. TS, current, wind and waves) and BGC measurements
* Platforms: HF radar, Fixed platforms, Gliders, Ferrybox and Research Vessels, RECOPESCA, RV data in NRT and delayed, EuroARGO (Bio-Argo)
* New technologies

**Sustainable services (including modelling system):*** Support to MSFD implementation
* Emergency response
* Services to aquaculture and fisheries
* Ocean energy
* Tourism and recreation
* Support to science
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| Relevance to EuroGOOS Strategy | (link with EuroGOOS Priorities 2016-2018)**i. Sustained observing system:** * IBI showcases the impact of regional cooperation in maintenance and development of sustained observing systems funded by member states, regional governments, FEDER and other EU instruments
* EOOS is expected as a framework for sharing strategies, gap analysis, etc with other ROOSs, in order to support the development of the observing systems in the IBI region.

**ii. Data:** * The coordination between EMODnet, Copernicus and SeaDataNet is improving significantly for maintaining a European data structure. The commitment of the IBI community for contributing in the general data system is high.
* Ongoing pilot demonstrations of data set formatting following OGC standards and dissemination to existing data hubs

**iii. Products:** * Joint development of new products is ongoing in different areas (coastal risks, offshore aquaculture, MSFD, marine litter, marine spatial planning…). Other actions also supported by INTERREG and H2020 projects: exchanges of best practices, intercomparisons, process-oriented assessment, multi model approaches for better forecasting in specifics areas, etc.
* National and local operational modelers will generally consider the capacity of the CMEMS products for focusing their progress in the coastal area. New efforts from the new release of IBI-MFC will be devoted to improving the use of the core service by coastal modelers.
* The IBI community is highly involved in CMEMS User Uptake, in particular with MSFD tailored products.

**iv. Communications Interface:** * Possibility of hosting the IBIROOS webpage together with EuroGOOS webpage. Plans to redefine the content of the IBIROOS webpage using the EuroGOOS webpage structure, updating information from current activities and using capabilities of existing portals (INSTAC, EMODnet Physics)
* The promotion of member activities will be improved in cooperation with EuroGOOS and financed outreach activities in ongoing projects

**v. Cross-cutting activities:** * The involvement of the IBI community in Working Groups or Task Teams has been checked.
* Outputs from ongoing joint projects that will benefit the IBIROOS community compiled. A description of key activities and outcomes related with EuroGOOS strategies: Sustained observations, Marine data, Marine products and services, Communication, Cross-cutting activities) expected in the collaborative INTERREG and transnational projects in the Atlantic Area has been produced
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| Successes 2017-2018 | * 1. High level of cooperation and member activity focused on products: some of them consolidated or classical (HABs, oil spill, chemicals, search and rescue...), some of them emergent (marine litter, renewable energies, offshore aquaculture, marine spatial planning, support to MFSD implementation in offshore areas)

Participation in several INTERREG projects for regional cooperation in development and demonstration of marine services and enhancement of coastal observing systems and modelling systemsSuccess in consolidating cooperation (Atlantic coastal observatories) extending IBIROOS activities to the Canary, Azores and Madeira Islands. Cooperation with UK institutes intensified (IBI members like CEFAS and new observers like PML and Marine Scotland) |
| Bottle necks / problems  | Need for improved coordination of activities in order to succeed in incorporating best practises and carrying our joint developments of marine servicesNeed to take action for securing national funding of observing systemsDifferent barriers to dissemination of in situ data: lack of specific funding for data processing and dissemination and lack of data managers |
| Meetings 2017-2018 | 7-9 March 2017, Funchal (Madeira Island, Portugal), 17 attendees, hosted by Madeira Ocean Observatory22-23 April 2018, Bordeaux (France), 23 attendees, hosted by Ifremer and University of Bordeaux) IBI week: joint meeting with Mycoast Interreg Atlantic Area and an ATLANTOS workshop |
| Main work plan areas 2019 | TO be confirmed in next annual meeting. We expect to continue with work plan areas 2018:Co-development and demonstration of marine services in different areasDemonstration of the value of regional cooperation in observing systems, development of marine services, links to stakeholdersContribution to best practices exercises in observing systems, products and links to stakeholdersIncreasing the acquisition and dissemination of biochemical in situ dataLinks to NOOS. We have been in contact with NOOS chairs and steering committee for holding a joint meeting and strengthening the links

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| **Activity** | **Owner** | **Indicative completion date** |
| To send to Vicente Fernández the updated list of members with contact point | Manuel Ruiz / Julien Mader | Sent ☑ |
| To send to Guillaume Charria the list of participants of the annual meeting in Bordeaux (including "observers") and to complete the mailing list. | Julien Mader/Guillaume Charria | 05/05/2018 ☑ |
| To confirm the possibility for EuroGOOS ofice to host the IBIROOS webpage | Vicente Fernández |  Ongoing ☑ |
| To redefine the content of the IBIROOS webpage using the EuroGOOS webpage structure, updating information from current activities and using capabilities of existing portals (INSTAC, EMODnet Physics) | Guillaume Charria/Vicente Fernández/Julien Mader/Manuel Ruiz | 28/02/2019 |
| Vicente Fernández send us a guidance (excel template) for describing key activities and outcomes expected in the collaborative interreg and transnational projects from the Atlantic Area related with the Eurogoos Strategy and priorities -sustained observations, data, models and products and communication | Vicente Fernández | 30/04/2018 ☑ |
| To report key outputs expected for 2018 from the active collaborative projects from INTERREG Atlantic Area or crossboundary (related with EuroGOOS strategies: Sustained observations, Marine data, Marine products and services, Communication, Cross-cutting activities) | MYCOAST (Julien Mader), PRIMROSE (Tomasz Dabrowski), iFADO (Francisco Campuzano), CleanAtlantic (Pedro Montero), MarRisk (Juan Tabaoda), MAREA (Julien Mader),OCASO (Carlos Fernandes), HAZRUNOFF (Francisco Campuzano) |  Report in next annual meeting |
| To create a list of associated partners (R&D, Services companies, end-users) including interested private companies that could be involved in future proposals: Outputs from existing projects will be gathered. See also the next action. | Julien Mader | List to be presented at next annual meeting |
| To contact PROTECMA to know about the possibility to use a "platform of platforms" to identify these associated partners | Garbiñe Ayensa | 15/02/2019 |
| To contact Rui Caldeira from the Ocean Observatory of Madeira for confirming and formalizing the interest to join IBIROOS | Julien Mader | Contacted ☑ |
| To study the possibility to organise a joint meeting between IBIROOS and NOOS. To talk with NOOS chairs in GA2018. | Julien Mader / Manuel Ruiz | 31/12/2018 ☑ |

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| Next meetings planned | 2019 IBI meeting in the UK: 2-5 April at Plymouth Marine LaboratoryPlans for Joint meeting with NOOS in 2019 |
| Links / synergies with other initiatives | Interreg Atlantic Area projects (Mycoast, PRIMROSE, iFADO, CleanAtlantic) Interreg transnational cooperation projects (MarRisk, OCASO, MAREA...). This projects have been launched and designed partly through IBIROOS cooperationH2020 projects (ATLANTOS, FixO3, Jerico-Next…) Copernicus evolution projectsEOOS, Inspire, OGC |