

Agenda Item 5: Progress of key EU projects & initiatives

Meeting Document 5.2: EMODNET Physics info note

*The General Meeting is invited to **note** the progress of the project*

EMODnet Physics

Information note: 20/09/2013

The Physics preparatory action (MARE/2010/02 - Lot [SI2.579120]) had the overall objectives to provide access to archived and near real-time data on physical conditions as monitored by fixed stations and Ferrybox lines in all the European sea basins and oceans and to determine how well the data meet the needs of users.

The existing EMODnet Physics portal makes layers of physical data and their metadata available for use and contributes towards the definition of an operational European Marine Observation and Data Network (EMODnet). It is based on a strong collaboration between EuroGOOS associates and its Operational Oceanographic Systems (ROOSs), and it brings together two marine but very different communities¹: the “real time” ocean observing institutes and centers and the National Oceanographic Data Centers (NODCs) that are in charge for ocean data validation, quality check and update for marine environmental monitoring.

EMODnet Physics is a Marine Observation and Data Information System that provides a single point of access to near real time and historical achieved data, it is built on existing infrastructure by adding value and avoiding any unless complexity, it provides data access to any user, it is aimed at attracting new data holders, better and more data.

With a long term vision for sustaining a pan European Ocean Observation System EMODnet Physics is supporting the coordination of the EuroGOOS ROOSs and the empowerment and improvement of their observing and data management infrastructure.

The on-going EMODnet Physics preparatory action has recently been extended (MARE/2012/06 - Lot 6) with the aim to enlarge the coverage with additional platforms (e.g. Argo, Gliders, HF Radars etc.) and products and strengthening the underlying infrastructure. To accomplish this EMODnet physics core consortium have asked the EuroGOOS ROOSs and ROOS chairs to play an increased and important role for ensuring full engagement of the ROOSs and European Institutes with marine data interest. To achieve its goal and to avoid duplication of work EMODnet Physics is working in close collaboration with on-going project such as MyO, SDN and JERICO.

The budget for EMODnet Physics I was in total € 1.000.000, SMHI/EuroGOOS received € 250.000. EMODnet Physics II total budget is € 1.000.000, SMHI/EuroGOOS receives € 535.000 of which the majority will be used to support the work of the ROOSs.

Project Partners: ETT, ENEA, MARIS, IFREMER, BODC, EuroGOOS

¹ In Europe, the majority of these organisations are also participating in either one or both of the **MyOcean** and **SeaDataNet** consortia.

EMODnet Physics - Milestones

December 2010 – Formal start of the EMODnet Physics preparatory action

June 2011 – first EMODnet Physics workshop (Tallinn) to present activities and involve community

December 2011 – EMODnet Physics portal provides access to about 40 stations

February 2012 – second and third EMODnet Physics workshops (Rome and Istanbul)

June 2012 - EMODnet Physics portal provides access to about 400 stations

(known stations but missing data: Baltic – Poland; Mediterranean Sea - Italy, Malta, Cyprus, Slovenia, Croatia; Black Sea)

November 2012 – fourth EMODnet Physics workshop (Sopot)

December 2012 - EMODnet Physics portal provides access to about 460 stations

(Italian data connected (ISPRA), Slovenian, Croatian, Malta and Cyprus data connection ongoing)

24 July 2013 – Official start of EMODnet Physics II

Map of the stations accessible from the EMODnet Physics

