

# ENVRIplus: creating a coherent, interdisciplinary and interoperable cluster of Environmental Research Infrastructures across Europe

Helen Glaves, British Geological Survey (U.K.) hmg@bgs.ac.uk

The ENVRIplus project aims to provide common solutions to the shared challenges encountered by European Environmental and Earth System Research Infrastructures (RIs) in their efforts to deliver new services for science and society. To reach this overall goal, ENVRIplus brings together the RIs, related projects and networks together with specialist technical partners to build common solutions for the shared problems encountered in the construction and implementation of the European Research Infrastructures (RIs).



Figure 1 European Research Infrastructures participating in ENVRIplus

Collaboration within the ENVRIplus project and also with other related stakeholders will enable multidisciplinary Earth system science across the traditional scientific fields, which is vital in order to address today's global challenges. This cooperation will avoid the fragmentation and duplication of effort, making the products of the individual Research Infrastructures easier to use in combination whilst also improving their innovation potential and the cost/benefit ratio of the Research Infrastructure operations.

ENVRIplus is driven by 3 overarching goals: 1) promoting cross-fertilization between Research Infrastructures; 2) implementing innovative concepts and technologies across RIs, and 3) facilitating research and innovation in the field of environment for an increasing number of users outside the Research Infrastructures.

All of the Earth system science domains (Atmosphere, Marine, Biosphere and Solid Earth) represented in the ENVRIplus consortium (Figure 1) are working work together in order to capitalize on the progress made in the individual disciplines and strengthen intero-perability amongst RIs and domains. Many of the key European marine RIs are participating in ENVRIplus including SeaDataNet,

Eurofleets, EuroArgo etc. (Figure 2) will directly benefit from this coordinated approach to developing common solutions for shared issues within and between the RIs.

ENVRIplus is funded by the European Commission through the H2020 programme (grant number 654182). The project began 1st May 2015 and will run for 48 months

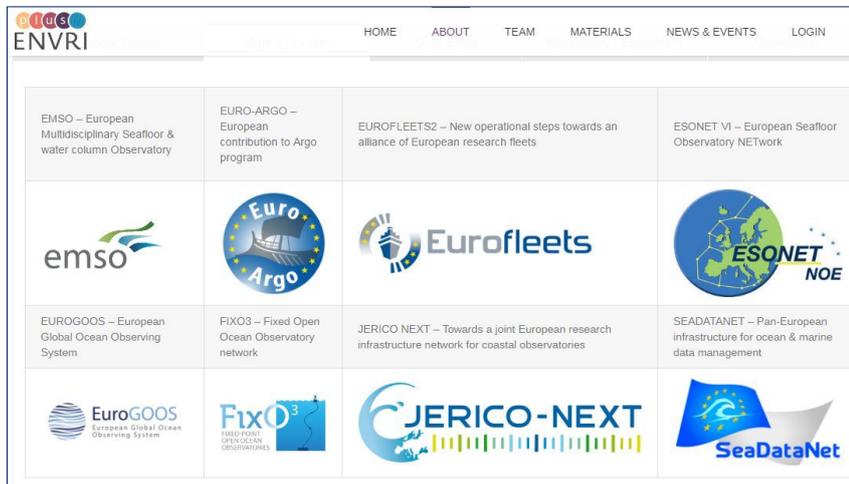


Figure 2 Marine RIs contributing to ENVRIplus