



ODIP - Ocean Data Interoperability Platform - developing interoperability Pilot project 1

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Europe, the USA, Australia and IOC/IODE are making significant progress in facilitating the discovery and access of marine data through the development, implementation, population and operation of national, regional or international distributed ocean and marine observing and data management infrastructures such as SeaDataNet, Geo-Seas, IOOS, the Australian Ocean Portal and the IODE Ocean Data Portal. All of these developments are resulting in the development and implementation of standards for the formats of metadata, data, data products, quality control methods and flags, common vocabularies. They are also providing services for data discovery, viewing and downloading, and software tools for editing, conversions, communication, analysis and presentation, all of which are increasingly being adopted and used by their national and regional marine communities.

There is also a general trend towards the use of the basic ISO and OGC standards, however these allow the use of different profiles and vocabularies. As a result there are differences in the standards used in the different regions which hinder their direct exchange and use at an international and global scale, and as a result act as a barrier to the realisation of global portals such as the IODE Ocean Data Portal and GEOSS.

The Ocean Data Interoperability Platform (ODIP) project is supported by the EU FP7 Research Infrastructures programme, National Science Foundation (USA) and Australian government and has started 1st October 2012. ODIP includes all the major organisations engaged in ocean data management in EU, US, and Australia. ODIP is also supported by the IOC -IODE, closely linking this activity with its Ocean Data Portal (ODP) and Ocean Data Standards (ODS) projects.

The ODIP platform aims to ease interoperability between the regional marine data management infrastructures. Therefore it facilitates an organised dialogue between the key infrastructure representatives by means of publishing best practice, organising international workshops and fostering the development of common standards and interoperability solutions. These are evaluated and tested by means of prototype projects.

So far 2 ODIP Workshops have taken place in Februari 2013 and December 2013 which have resulted in a comprehensive list of proposed actions and consequently the formulation of 3 prototype projects. The actual implementation of the prototype projects is considered a joint activity undertaken by ODIP partners leveraging on the activities of current regional projects and initiatives.

The ODIP Prototype project 1 aims at establishing interoperability between the regional EU, USA and Australia data discovery and access services (SeaDataNet CDI, US NODC, and IMOS MCP) and contributing to the global GEOSS and IODE-ODP Portals. Use will be made of a brokerage service, which has already proven its merits as part of the EuroGEOSS development.

The presentation will give further information on ODIP, the formulated Prototype projects and the ongoing implementation activities for the ODIP Prototype project 1.