



# Geo-Seas

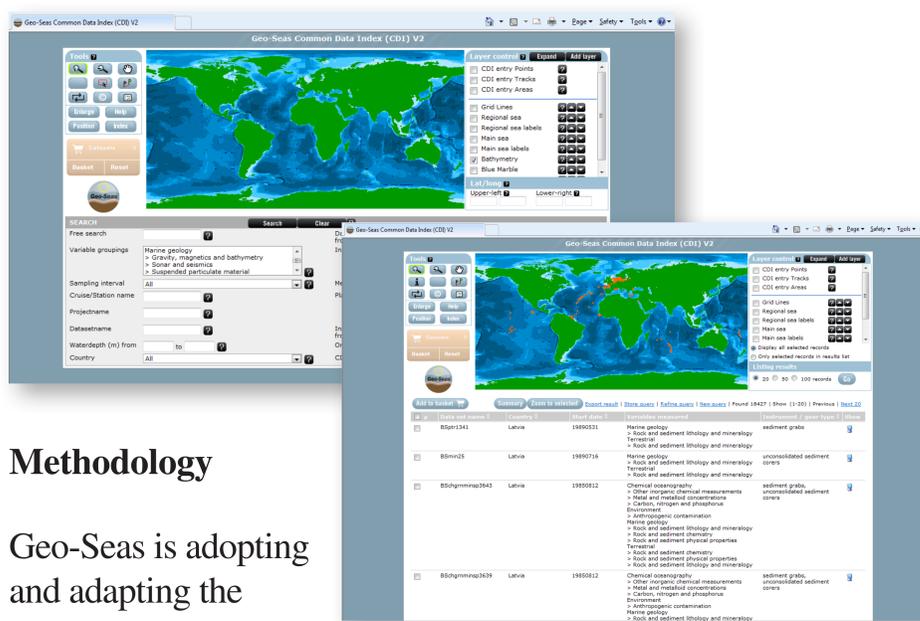
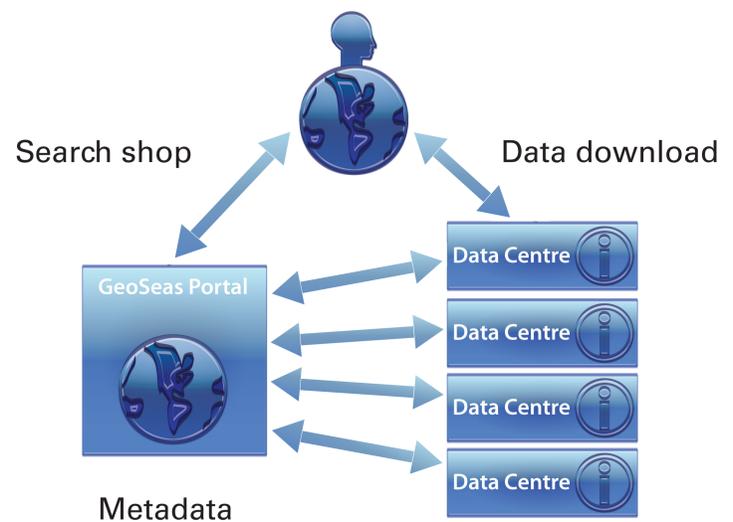
a pan-European network for marine geoscientific data linking 26 marine geoscience data centres from 17 coastal countries



Geo-Seas is creating a network of 26 marine geoscience data centres which includes national geological surveys, research centres and academic institutes across 17 European countries.

The development of this e-infrastructure is leading to a significant improvement in the ability of users to locate, assess and access harmonised marine geoscientific data and data products.

The project objectives are aligned with European and global initiatives such as INSPIRE, the European Marine Observation and Data Network (EMODNET), Global Earth Observation System of Systems (GEOSS) and Global Monitoring for Environment and Security (GMES).



## Methodology

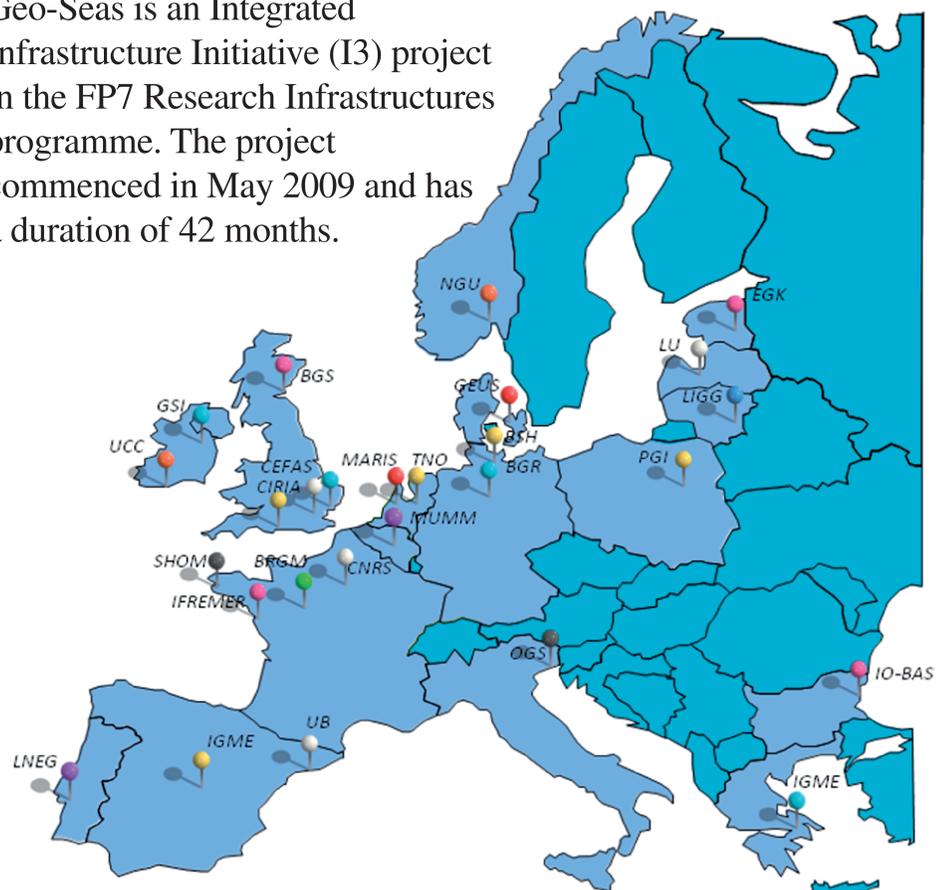
Geo-Seas is adopting and adapting the existing SeaDataNet architecture and technologies, developed for the management of oceanographic data, to handle marine geological and geophysical data, data products and services.

This is leading to the creation of a joint e-infrastructure which allows the integration of marine geoscience datasets with other oceanographic data types currently managed by the SeaDataNet data centres and is also resulting in an enhancement of the interoperability of marine geoscientific data with other data types.

Common data standards and exchange formats have been agreed and implemented across all data centres and standardised

ISO 19115 compliant metadata has been created by each data centre for their data sets. This metadata is held in a centralised database and used by the Geo-Seas portal for the data discovery and access service. The associated datasets are retained and managed by the individual data centres with users able to download this data directly from each data centre via the Geo-Seas portal.

Geo-Seas is an Integrated Infrastructure Initiative (I3) project in the FP7 Research Infrastructures programme. The project commenced in May 2009 and has a duration of 42 months.



### Geo-Seas partners:

NERC-BGS (United Kingdom), NERC-BODC (United Kingdom), NERC-NOCS (United Kingdom), MARIS (Netherlands), IFREMER (France), BRGM (France), TNO (Netherlands), BSH (Germany), IGME (Spain), LNEG (Portugal), IGME (Greece), GSI (Ireland), BGR (Germany), OGS (Italy), GEUS (Denmark), NGU (Norway), PGI (Poland), EGK (Estonia), NRC-IGG (Lithuania), IO-BAS (Bulgaria), NOA (Greece), CIRIA (United Kingdom), MUMM (Belgium), UB (Spain), UCC (Ireland), EU-Consult (Netherlands), CNRS (France), SHOM (France), CEFAS (United Kingdom), and LU (Latvia).



Further information is available at: [www.geo-seas.eu](http://www.geo-seas.eu)