

HUMBOLDT Application Scenario Ocean

– Factsheet –

Global perspective:

Supporting decision support applications used by decision makers/authorities in case of oil spills (also useful in other cases)

Benefit:

Wider and easier integration of cross border and cross domain datasets in decision support systems and other oceanographic and marine applications. The Ocean scenario is making an example for further work in the oceanographic and marine domain.

Relation to GMES/INSPIRE:

HUMBOLDT demonstrator for data harmonisation in the Oceanographic/Marine data domain

Particularities:

Use of large variety of specific oceanographic data (data profiles, gridded datasets), supported by more “classical” geographic datasets

Use cases:

- 1) View catalogue of available pollution reports, protected areas (and possible other datasets)*
- 2) Visualize harmonized pollution reports and protected areas*
- 3) Visualize monitoring data and forecasts*
- 4) Generate synthesised data for decision maker*

Stakeholders involved:

Governments, harbour authorities, etc.

Target audience:

Product developers in marine and oceanographic domain

Data involved:

Oceanographic In-situ measurements, Remote Sensing imagery, Pollution reports, Geographic supporting layers (Protected areas, coastlines etc)

Spatial coverage:

3 Regions: UK waters, French waters and Aegean Sea. One overarching user interface

Major harmonisation issues:

Metadata formats, Data formats, Conceptual schemas (data models), Multilinguality, Vocabularies

System architecture of selected use case “Information Exchange”:

Existing software components:

Local GIS applications, OGC services, CSW service (GICAT), CDI (Common Data Index) V1 applications

HUMBOLDT components:

Mediator service

HUMBOLDT Alignment Editor (HALE)

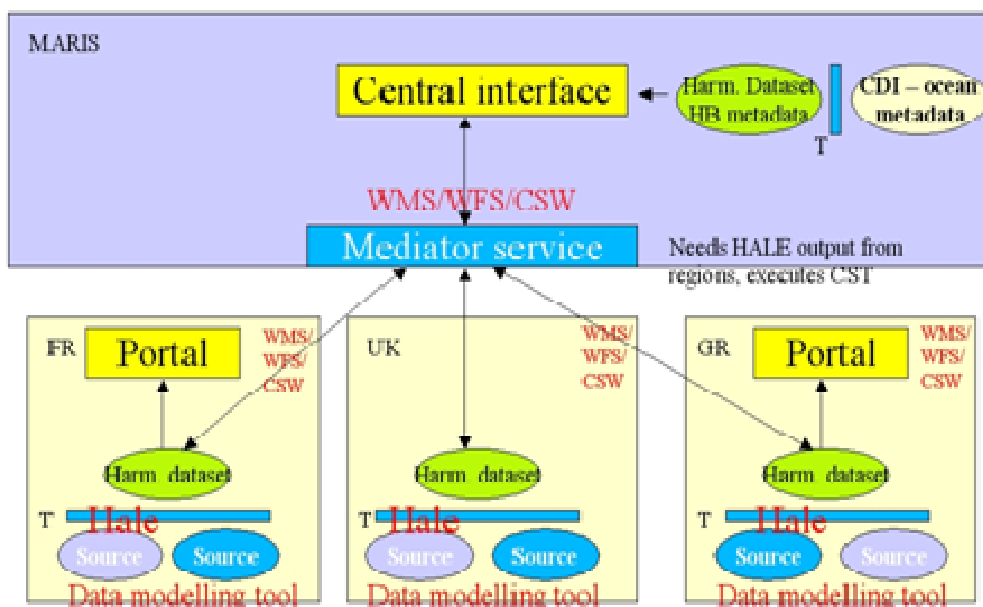
HUMBOLDT Geomodel Editor

Conceptual Schema Transformer (CST)

Scenario Demonstrator will be available:

End of June 2010

For more information please visit our Project Website www.esdi-humboldt.eu and our Community Website <http://community.esdi-humboldt.eu>.



Scenario Contact:

Peter Thijsse
peter@maris.nl

HUMBOLDT Project Office:

zeitform Internet Dienste
Fraunhoferstrasse 5
64283 Darmstadt
Germany

Phone: +49 6151 155 637
Fax: + 49 6151 155 634
Email: po@esdi-humboldt.eu
<http://www.esdi-humboldt.eu>