

HUMBOLDT Application Scenario Sustainable Urban Atlas

– Factsheet –

Global perspective:

Support bottom-up harmonized integration of environmental related geo data at the local, regional, European and global levels

Benefit:

Local level data harmonization and adaptation of standard practices to be compliant with national and European SDI

Relation to GMES/INSPIRE:

Based on INSPIRE metadata implementing rules and the „Land Monitoring” GMES domain


Particularities:

Covers spatial and non-spatial data harmonization issues within the city of Vitoria-Gasteiz and hence represents a step forward for Vitoria-Gasteiz towards an open but INSPIRE and OGC compliant environmental information system


Use cases:

-  *Metadata user story: INSPIRE access on metadata, metadata access according to Spanish ISO 19115 profile, metadata acquisition and maintenance, metadata access for retrieval*
-  *Sustainable mobility indicators user story: network configuration indicators, network functionality indicators, infrastructure resources indicators, INSPIRE access on public transport network data*

Stakeholders involved:

-  *Environmental Studies Centre of Vitoria-Gasteiz (CEA), Sustainability & Environment Department and IT Department (Municipality of Vitoria-Gasteiz)*

Target audience:

-  *CEA and IT department of Vitoria-Gasteiz, general local public, visitors/tourists and other administrative agencies in Vitoria.*

Spatial Coverage:

The city of Vitoria-Gasteiz, with 239,361 inhabitants, is situated in the North of Spain. It is the administrative capital of the Basque Country, with a municipal area of 278 km².

Data involved:

- For metadata use case: all existing relational metadata coming from Environmental Information System (SI@M)
- For indicators use case: data coming from the several heterogeneous sources, such as graph of the pedestrian network (polyline), public transport stations (point), neighbourhoods/superblocks (centroid). Data provider: CEA

Major Harmonization Issues:

- Transform existing relational metadata towards INSPIRE and Spanish metadata profile
- Data harmonization issues related to indicators calculation where data is being generated from different administrative units
- Development of standardized service interface to be compliant with other EU SDI

System architecture

Existing software components:

SI@M – Environmental Information System with catalogue browsing service and MUGAGABE

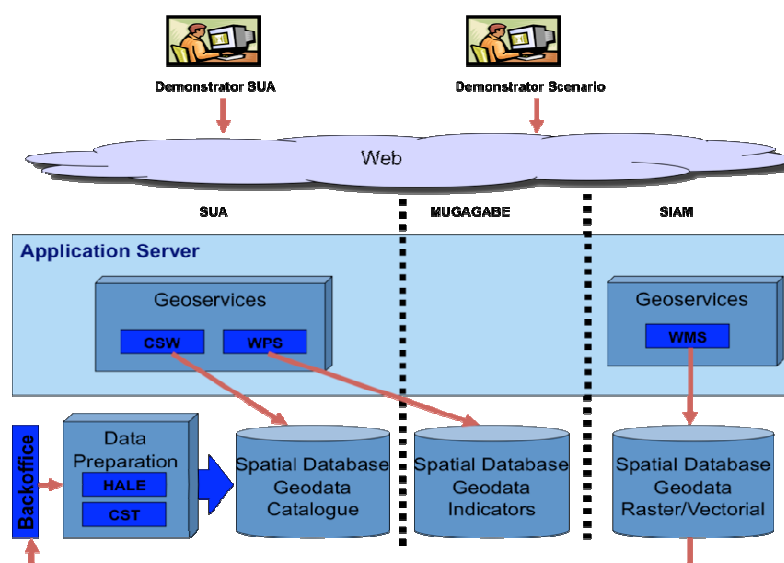
HUMBOLDT components:

Alignment Editor (HALE), Schema Mapping and Conceptual Schema Transformer (CST)

Scenario Demonstrator will be available:

July 2010

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



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