Implementing standards to resolve SDI issues. Subnational SDI in Spain

• Jordi Guimet

GSDII – April 2005 – El Cairo

Where is Catalonia?
**Metadata edition tool**

First version: September 2002 (ISO 19115)

Second version: February 2003

Version 2 used by 100 organizations (number of downloads from portal)

MetaD v3 – pre release. Open source, GSDI-IDEC agreement

Based on 19115 and 19139 ISO standards. International version
Services Metadata

Get capabilities + other generic data

Few services registered, currently

Manually introduced to the Catalog Server
• 18,000 registers
• (3 x): Catalan, Spanish, English
• 75 Organizations (Public and private)
• + 2000 reg. at the end of the year

Catalog Server

Indicio, from Galdos Inc.

OpenGIS CSW - 2.0.0 and draft WRS-0.9.0

Expected to connect with other CS, i.e. IDEE (Spanish SDI), IDEA (Andalusian SDI)
WMS and WMS Client

OGC WMSClient

Different WMS, different problems

Services: WMS, WFS, WCS, WMC

WFS -> GML downloads. GML tested in different GIS soft
WCS -> 3 formats (Idrisi, Miramon, Jpeg)
Geoservices

SOAP (message format), WSDL (description of service)

Coordinates conversion, geocoding (test phase)
Spreading the use & awareness

Internal rules in Regional Government. Awareness about the importance of standards.

Extending its use by means of the Thematic SDIs.

OGC compliance test offered by IDEC, used by many local and international GIS software companies.

Application schema of MetaD is used in other Metadata editors produced by local companies to export metadata to the IDEC CS.

Promoting the installation of free OGC WMS (Minnesota MapServer, Miramon)