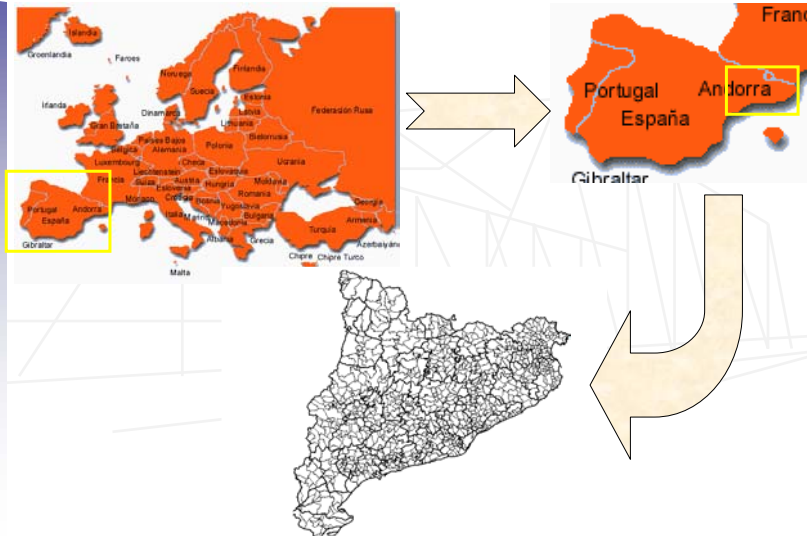


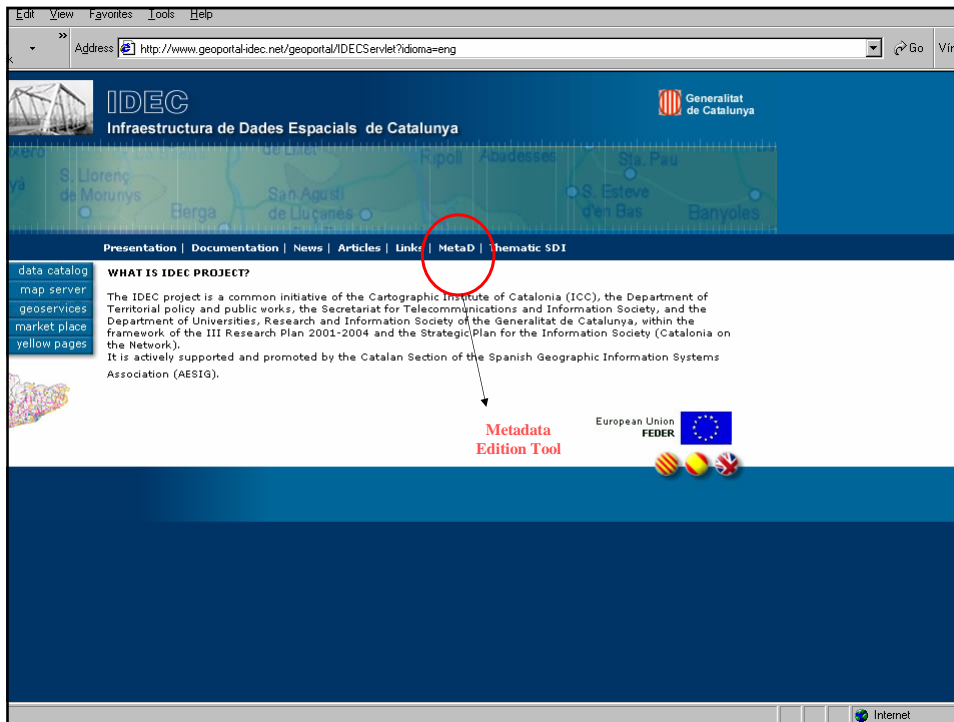
Implementing standards to resolve SDI issues. Subnational SDI in Spain


- Jordi Guimet

GSDI8 – 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 or downloads from portal)

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

Based on 19115 and 19139 ISO standards. International version

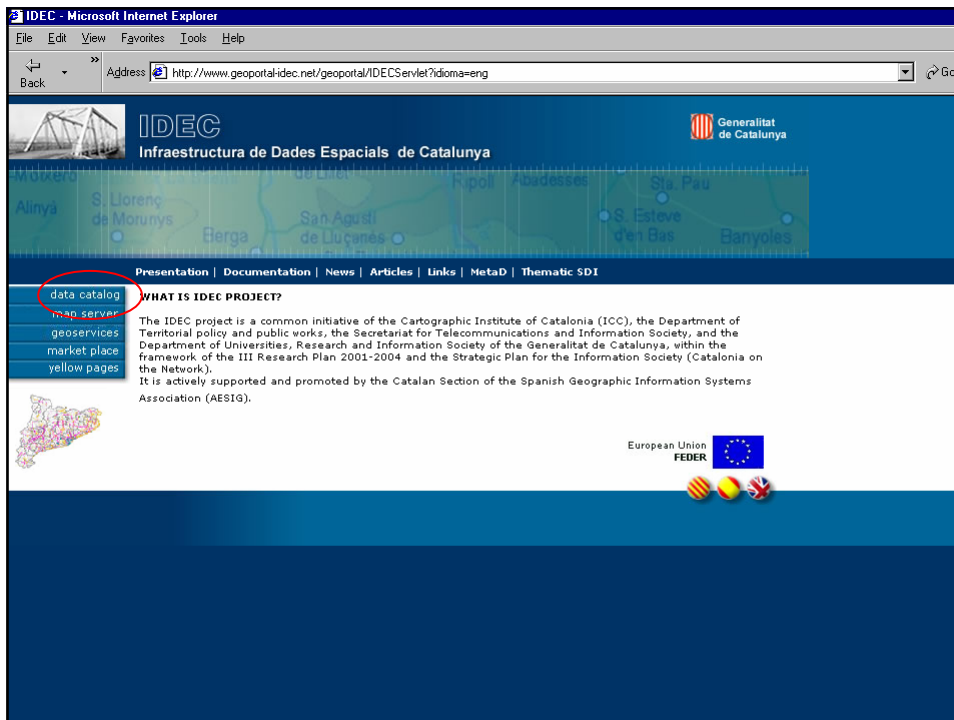
Services Metadata

IDEC

Get capabilities + other generic data

Few services registered, currently

Manually introduced to the Catalog Server



Microsoft Internet Explorer

Address <http://www.geoportal-idec.net/geoportal/IDECServlet?idioma=eng>

IDEC
Infraestructura de Dades Espacials de Catalunya

Generalitat de Catalunya

Alinyà S. Llorenç de Morunys Berga San Agustí de Lluçanès Papol Nou de Segarra S. Pau S. Esteve del Bas Banyoles

Presentation | Documentation | News | Articles | Links | MetaD | Thematic SDI

data catalog
map server
geoservices
market place
yellow pages

WHAT IS IDEC PROJECT?

The IDEC project is a common initiative of the Cartographic Institute of Catalonia (ICC), the Department of Territorial policy and public works, the Secretariat for Telecommunications and Information Society, and the Department of Universities, Research and Information Society of the Generalitat de Catalunya, within the framework of the III Research Plan 2001-2004 and the Strategic Plan for the Information Society (Catalonia on the Network).
It is actively supported and promoted by the Catalan Section of the Spanish Geographic Information Systems Association (AESIG).

European Union
FEDER

Address: <http://www.geoportal-idec.net/geoportal/IDECServlet?pag=catalog/home=s>

IDEC
Infraestructura de Dades Espacials de Catalunya

Generaltat de Catalunya

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data catalog
map server
geoservices
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yellow pages

Advanced Search

1. WHAT

Organisation's name
(Select organisation)

Keywords
(Select type)

Type
All Types

2. WHERE

North
West East
South

3. WHEN

Creation date
after Day Month Year

Sort by title Search

Tall 2000

- 18.000 registers
- (3 x): Catalan, Spanish, English
- 75 Organizations (Public and private)
- + 2000 reg. at the end of the year

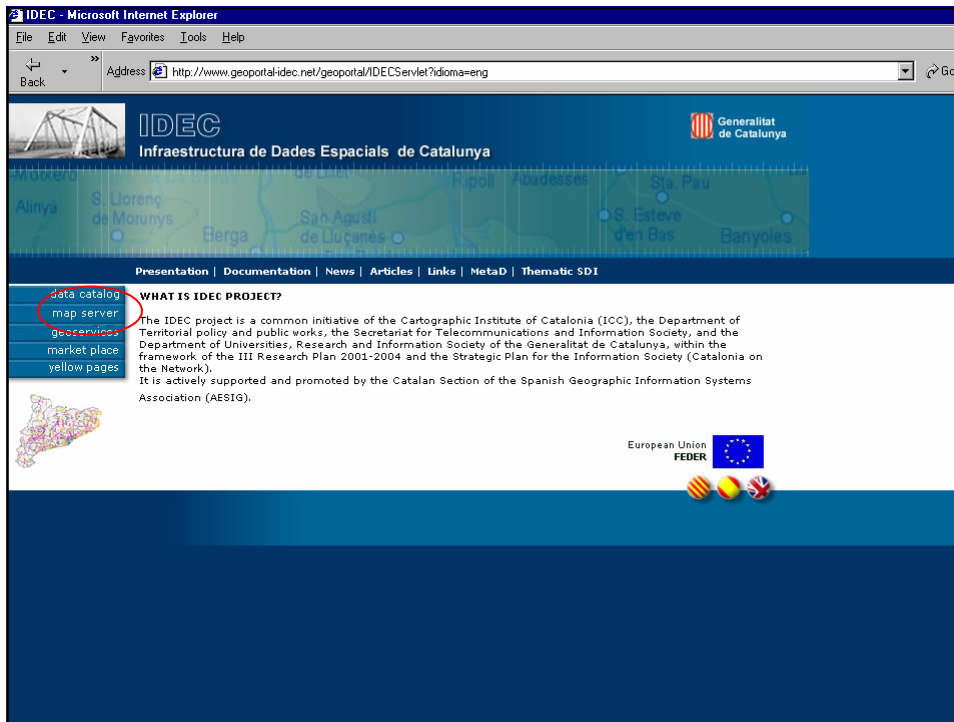
IDEC
Infraestructura de Dades Espacials de Catalunya


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

IDEC

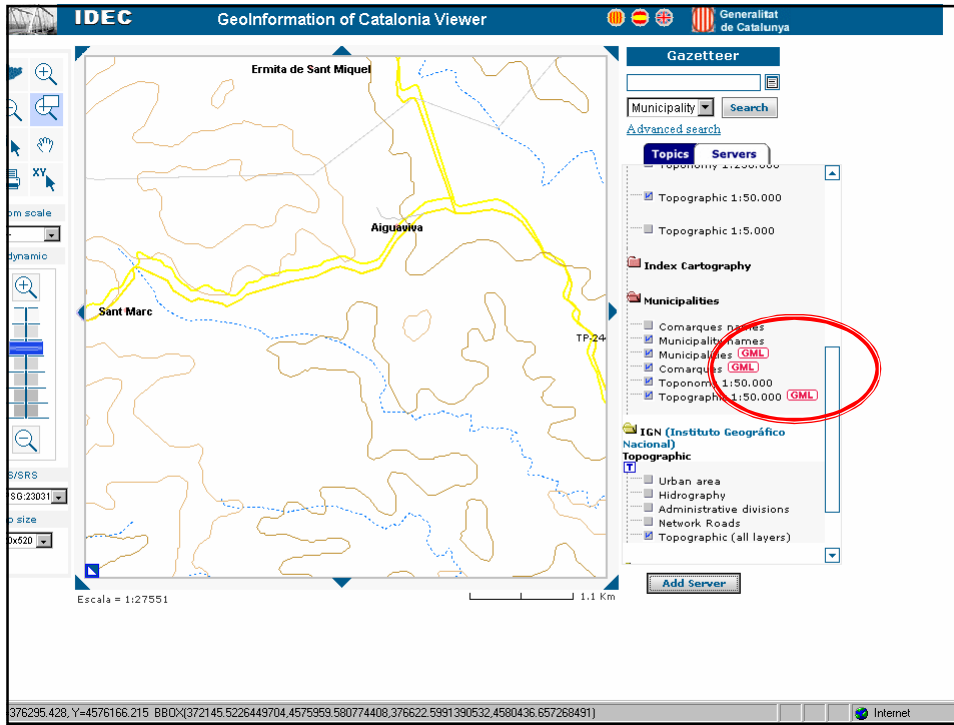
OGC WMSClient

Different WMS, different problems

Services: WMS, WFS, WCS, WMC

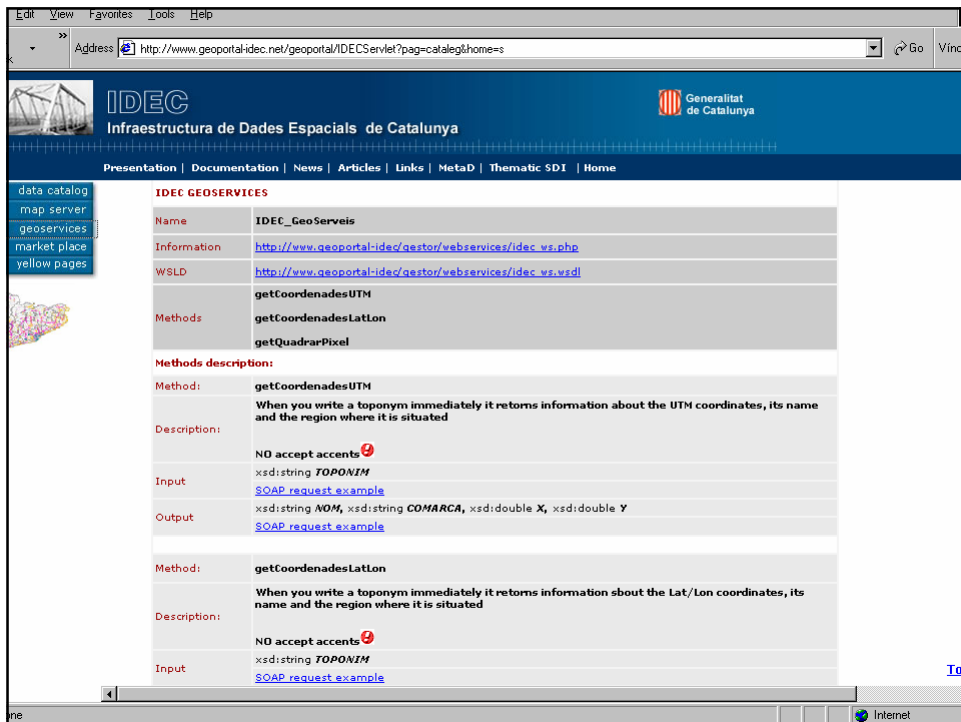
WFS -> GML downloads. GML tested in different GIS soft

WCS -> 3 formats (Idrisi, Miramon, Jpeg)



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

Coordinates conversion, geocoding (test phase)



The screenshot shows a web browser displaying the IDEC Geoservices page. The browser's address bar shows the URL: <http://www.geoportal-idec.net/geoportal/IDECServlet?pag=categ&home=s>. The page header includes the IDEC logo and the text "Infraestructura de Dades Espacials de Catalunya" and "Generalitat de Catalunya". A navigation menu contains links for "Presentation", "Documentation", "News", "Articles", "Links", "MetaD", "Thematic SDI", and "Home".

The main content area is titled "IDEC GEOSERVICES" and lists the following details:

- Name:** IDEC_GeoService
- Information:** http://www.geoportal-idec.net/gestor/webservices/idec_ws.php
- WSDL:** http://www.geoportal-idec.net/gestor/webservices/idec_ws.wsdl
- Methods:**
 - getCoordenadesUTM
 - getCoordenadesLatLon
 - getQuadrarPixel

Methods description:

Method: getCoordenadesUTM
Description: When you write a toponym immediately it returns information about the UTM coordinates, its name and the region where it is situated
Input: NO accept accents ☹️
 xsd:string **TOPONIM**
[SOAP request example](#)

Output: xsd:string **NOM**, xsd:string **COMARCA**, xsd:double **X**, xsd:double **Y**
[SOAP request example](#)

Method: getCoordenadesLatLon
Description: When you write a toponym immediately it returns information about the Lat/Lon coordinates, its name and the region where it is situated
Input: NO accept accents ☹️
 xsd:string **TOPONIM**
[SOAP request example](#)

**I
D
E
C**

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)

COMPLIANCE TESTING OGC.

OGC ha creat una aplicació web que dona, a les empreses i/o usuaris, la possibilitat d'avaluar si un o més servidors de mapes compleixen o no amb les especificacions WMS 1.1.1 i WFS 1.0.0.

IDEC ha exposat i comparat els diferents servidors de mapes amb l'aplicació web d'OGC. Si voleu veure els resultats heu d'entrar a [d'informació](#).