Spatial Data Infrastructure of Catalonia News

Speaking of IDEC...

April 2010

In the 2nd edition (2010) of the **Manual of Geospatial Science and Technology** book, edited by John D. Bossler and published by Taylor & Francis Group, Florida (USA) with 791 pages, the authors of chapter 37 (John Moeller and Marck Reichardt) deal with the "National, International and Global activities in Geospatial Science: Towards a Global Spatial Data Infrastructure", where 6 SDI's are exposed: U.S., Canada, Holland, Colombia, Australia and Catalonia.
http://books.google.com/books?id=UdZ3uDekqwwC&lpg=PA750&dq=geoportal%20idec&pg=PA733#v=onepage&q=geoportal%20idec&f=false

May 2010

Within the INSPRIE work program for the implementation phase, the working group on Data Sharing and Services (DT-Data and Service Sharing) has prepared a report on data policies based mainly on the presentation of best practices in the establishment and execution of these policies. The Catalan policy in this area is one of the presented examples in the set of 24 analyzed best practices, global, European, national and subnational levels.
http://inspire.jrc.ec.europa.eu/index.cfm/pageid/62

June 2010

In the spring 2010 issue of the digital journal of the 'American Library Association: **Issues in Science & Technology Librarianship**', http://www.istl.org , in the resource section of science and technology on Internet (Science and Technology Resources on the Internet) there is an article signed by C. Dietz, Stony Brook of New York University about the implementation of geospatial Web services: *Implementing Geospatial Web Services*: A Resource Webliography
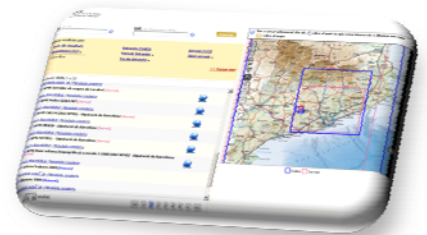http://www.istl.org/10-spring/internet2.html .
In this contribution, when talking about geoportals, three are citied: that of INSPIRE, the GEOS (One Stop Geoportal) of USA and the IDEC geoportal. Also contains a reference to Geoconnector software and several appointments on the impact study of IDEC (JRC, 2007).

June 2010

Between 15-17th June was celebrated in Nessebar, Bulgaria, within in the **International Conference on Cartography and GIS** (**ICCG3 -** http://www.cartography-gis.com) a seminar of the Southeast of Europe SDI's, where the IDEC was presented as the best European practice in 2009 and as a reference for the development of SDI initiatives in this geographical area.

Catalogue access

Map viewer acces

Interesting links

- Geoportal IDEC Local
- Geoportal IDE Univers
- OGC
- INSPIRE
- MetaD 3.0.5
- ICC
- Consorci AOC

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June 2010

ESRI has recently published the 2nd edition of the '**Building European Spatial Data Infrastructures'** (ESRI Press, California, 2010) book, whose author is Ian Masser. This second edition updates the first, which is from 2007.

Chapter 3 is specifically devoted to briefly describe the situation and progress in the last years of three European SDIs: Netherlands, Northern Ireland and Catalonia.

June 2010

In the opening plenary session of the INSPIRE Conference, 23rd June, in the speech of the Director of the Institute for Environmental and Sustainability, Joint Research Centre of European Commission, titled ***The social benefits of a common spatial data infrastructure,*** the results of impact study of the IDEC, and that the JRC promoted in 2007 was extensively commented.

Comments

The most valued aspects of the Catalan infrastructure are: the degree of participation, the number of data and metadata providers, the multiplicity of organizations and entities (government, local administrations, universities, companies ...) which are participating, open data policies, the high number of geoinformation layers and available metadata, the organization and legal framework (Law, C4 Commission, etc..), the important participation of local authorities, the trend of recent years, etc..

This is the result of cultural and social context of our country, which is determinant and has facilitated to obtain high development levels of infrastructure which are a benchmark for many other similar initiatives.

Participation in INSPIRE Congress

The INSPIRE 2010 Congress has been celebrated in Krakow (Poland) between 22 to 25th June, with over 700 of audience; this number surpasses the previous edition.

Obviously the related themes with the development of different aspects of the European Directive had a clear role.

The IDEC Support Centre presented the paper: *International Geosynchronization using OGC technologies to share and harmonize data in Catalonia,* which can be found [here](#).

CREAF also presented a paper entitled: *Comparative quality assessment of Metadata: SDI two regional case studies* that you can read [here](#).

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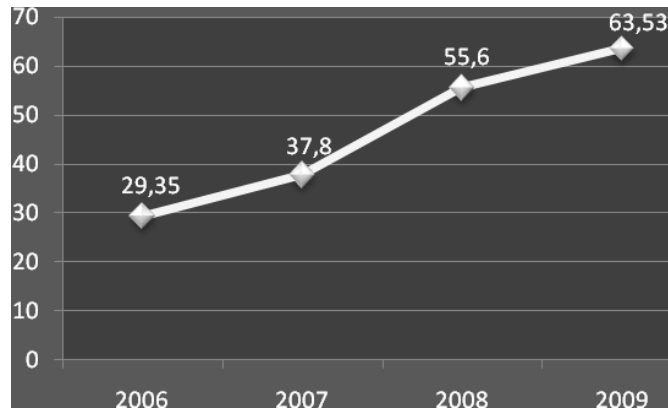e-mail : idec@icc.cat
www.geoportal-idec.cat

Activity indicators 2006-2009

The indicators of the IDEC evolution have been developed from an analysis of the data more indicative of the evolution of the activities and results of IDEC in the period 2006-2009. The value obtained is abstract but allows making an approximation of the degree evolution respect to a reference situation.

The indicators considered are shown below:

	Weighting	Max.Ref.	Value 2006	Weight. 2006	Value 2007	Weight. 2007	Value 2008	Weight. 2008	Value 2009	Weight. 2009
Metadata registries number (in Catalan)	5	30.000	13.400,00	2,23	14.221,00	2,37	21725	3,62	27314	4,55
Accessible WMS number (Catalan entities)	10	200								
WMS	3	200	98,00	1,47	119,00	1,79	164	2,46	225	3,00
WFS	7	100	5,00	0,35	5,00	0,35	5	0,35	6	0,42
Offered geoservices number (methods)	3	50	6,00	0,36	13,00	0,78	13	0,78	13	0,78
Accessible Layers number	3	5.000	248,00	0,15	826,00	0,50	4000	2,4	5250	3,00
Services Usability (perception)	4			1,00		1,00		1		2,00
	25			5,56		6,78		10,61		13,75
Number of entities which contribute with metadata	5	200	74,00	1,85	78,00	1,95	98	2,45	161	4,02
Number of entities with accessible WMS	15	180	44,00	3,67	63,00	5,25	164	13,6	169	14,08
Number of participating entities in thematic SDIs	5	300	115,00	1,92	182,00	3,03	593	5	657	5,00
	25			7,43		10,23		21,05		23,10
IDEC services' monthly accesses number	10	50.000	22.500,00	4,50	20.000,00	4,00	10920	2,18	9732	1,94
LOCAL displayer acceses number	5	50.000	11.000,00	1,10	28.000,00	2,80	28724	2,87	30381	3,03
Number of registered entities by geoservices	5	200	53,00	1,33	87,00	2,18	172	4,3	190	4,75
Number of MetaD downloads	5	500	291,00	2,91	385,00	3,85	361	3,61	334	3,34
Number of entities with IDEC made application	5	20	7,00	1,75	7,00	1,75	10	2,5	15	3,75
Number of entitities which use IDEC resources	5			1,00		2,00		2,5		3,00
	35			12,59		16,58		17,96		19,81
Number of departments with Metadata	2	15	8,00	1,07	8,00	1,07	8	1,07	8	1,07
Number of departments with WMS	2	15	5,00	0,67	5,00	0,67	6	0,8	6	0,80
Number of city councils with metadata	3	200	33,00	0,50	37,00	0,56	58	0,87	104	1,56
Number of city councils with WMS	3	150	27,00	0,54	46,00	0,92	62	1,24	122	2,44
	10			2,77		3,21		3,98		5,87
Data policy harmonizing	2			0,00		0,00		0		0,00
Data harmonizing	1			0,00		0,00		0		0,00
Training and difussion	2			1,00		1,00		2		1,00
	5			1,00		1,00		2		1,00
Index 2006				29,35						
Index 2007						37,80				
Index 2008								55,60		
Index 2009										63,53

The total annual sum of the weighting indicates the trend over the period 2006-2009 has been growing, although there are indicators that have not evolved in line and have not obtained the expected values. This reflects that the IDEC evolution has been focused on strengthening the supply of products and services, rather than their use.

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Evolution of the annual rate of evolution of the IDEC.

The sum of the weight total of each set of indicators is the annual rate of evolution, which indicates the IDEC progress. The index for 2009 is 63.53%, which has increased 8% compared to 2008.

Web Map Tile Service (WMTS)

On 6 April 2010 the Open Geospatial Consortium released version 1.0.0 of the standard Web Tile Map Service (WMTS), this specification is promoted and substantiated by CREAF as we reported in previous newsletters. The WMTS specification incorporates the cache technology to improve response speed of the request.

It allows using tiles to server the maps that have been georeferenced with a particular extension, resolution and content built on the server.

Click here to see the specification.

Approval of the Catalan Cartographic Plan

At no. 5634 Official Journal of the Government of Catalonia, 21th May 2010, approval was issued approving the Catalan Cartographic Plan.

Law 16/2005, of 27 December, of geographical information and the ICC provides that the PCC is the planning tool for mapping and geographic information related to the Catalan government.

Click here for documentation.