



Sub-national dimensions of INSPIRE 3 linked workshops



**INSPIRE Conference , Florence – Italy
Monday 24 June 2013 – Room 5**

Three workshops are proposed to address the issues of sub-national dimensions of INSPIRE Directive and related topics.

The workshops are coordinated by AMFM GIS Italia, well recognized INSPIRE Italian evangelist and advocate, and led among the others by European Commission, EUROGEOGRAPHICS , EUROGI, CISIS-CPSG (Organisation of Italian Regions for Geo-information), IGM (Italian Military Geographic Institute) and others.

WS 1 – Sub national EU SDIs: best practices gallery and criticism

Chair: Franco Vico, EUROGI- AMFM GIS Italia

Programme

1. How to promote data flow and sharing from local to regional SDIs

Catherine Chamard-Bois, CETE de l'Ouest

Geographic data sharing in Pays de la Loire

Stefano Olivucci, Regione Emilia-Romagna; Gian Paolo Artioli, ANCI Emilia-Romagna; Giovanni Ciardi, Regione Emilia-Romagna; Alberto Fiore, Unione Bassa Romagna; Marco Mondini, Unione Bassa Romagna

Cooperative updating of topographic data base in Emilia Romagna Region

Francesco Tomaello, Regione Veneto; Mario Favaretto, Intergraph Italy; Andrea Fiduccia, Intergraph Italy

Planning data flow from Local to Regional level in Veneto Region

2. Examples of horizontal cooperation among regional SDIs

François Salgé, AFIGÉO, EUROGI's Vice-President

The network of French Infra-National SDIs within AFIGÉO ("le réseau des CRIGES de l'AFIGÉO)

Maria Cabello, Tracasa; Andrés Valentin, Government of Navarre

The collaboration among Autonomous Regions in Spain for Cartographic (OCCCA) and in cross-border field (OTALEX)

3. How to foster more effective uses of SDIs by external users

Jose-Luis Colomer Alberich, Institut Cartogràfic de Catalunya

Catalunya SDI (IDEC) initiatives for medium and small municipalities

Maria Cabello, Tracasa

The Spanish SMEs's role in the success of INSPIRE and its evolution

Romain Buchaut, CRIGE-PACA

Provence-Alpes-Côte d'Azur Region SDI: regional SDIs and Open Data local initiatives

Abstracts

1. How to promote data flow and sharing from local to regional SDIs

Catherine Chamard-Bois, **Geographic data sharing in Pays de la Loire**

In the Pays de la Loire, geographic information sharing began in the 90s by a change in practices and cultures. We had to go over habits of information keeping and to promote sharing and partnership values.

As far as townplanning is concerned, data co-production led the actors of the Pays de la Loire to harmonize and standardize without waiting for all the INSPIRE rules. The GEOPAL regional program introduced in 2007 went on with the data standardization dynamic in the respect of everybody's initiatives and consistent with the national projects.

For more information: www.geopal.org

Gian Paolo Artioli, Giovanni Ciardi, Alberto Fiore, Marco Mondini, Stefano Olivucci, **Cooperative updating of topographic data base in Emilia Romagna Region**

The Regional Topographic Database is the main core of geographic data infrastructure shared among the local authorities of the Emilia-Romagna Region. It's available in a technologically efficient and flexible way and is updated with modality of cooperation between different actors. For this purpose, and with the technical and organizational support of ANCI Emilia-Romagna, have been signed co-operation agreements between the Regional and Local Authorities, with particular reference to Unions of Municipalities, as part of the Community Network of Emilia-Romagna Region. Will be described the activities led by the Union "Bassa Romagna" inside the cooperative update system, and the specific phases of validation and certification of data.

Francesco Tomaello, Mario Favaretto, Andrea Fiduccia, **Planning data flow from Local to Regional level in Veneto Region**

The Land Planning Act of Region Veneto (Italy) has anticipated in its strategies the approach of INSPIRE. In fact according to it Municipalities have to compile their Local Land Plans (PAT, Piani di Assetto del Territorio) using a standardized GIS data model (Law n. 11/2004). The latest and improved release of GIS data model was issued in January 2010.

The workflow of data validation has been published by the Region in January 2007; in the same year the Veneto Region has activated the corresponding system for the validation of the GIS data of Plans coming from Municipalities.

The system computes two indices to measure the compliance of the incoming data with the data model according to Law n. 11/2004.

According to the rules have been compiled - and validated by the Region - up to 13th of May 2013, the Plans of 267 municipalities out of a total of 581.

2. Examples of horizontal cooperation among regional SDIs

François Salgé, **The network of French CRIGEs (Centre Régional dell'Information Géographique)**

The French Association for Geographic Information AFIGEO set up a working party networking the infra national spatial data infrastructure in order to analyse the best practices and propose common specifications related to the development and maintenance of regional platforms for geographical data sharing among stakeholders of regional development. Since 2005, AFIGEO organized the "Rencontres des dynamiques régionales de l'information géographique" and thus leads a monitoring on the practice of geodata sharing in France. The 7th Meeting in Bordeaux last April 2013 was a great success and reflect the dynamic partnership of actors related to geographic information.

At the European level, through its membership in EUROGI association, AFIGEO maintain an observatory of spatial data infrastructures in France enabling the knowledge of socio-economic and technical aspects.

Maria Cabello, Tracasa; Andrés Valentin, Government of Navarre

The collaboration among Autonomous Regions in Spain for Cartographic (OCCCA) and in cross-border field (OTALEX)

The Organization for the collaboration among Autonomous Regions in Spain for Cartographic issues known as OCCCA was established as the platform to be used for regional stakeholders to facilitate the exchange of knowledge an experiences and to be used for boosting INSPIRE implementation at regional level. The OCCCA acted as the main conduit for the comments and suggestions during the preparation of the INSPIRE transposition Law in Spain (LISIGE), and now is coordinating the participation of the regions in the Board of Geographic Information Infrastructure in Spain (CODIIGE). Other cooperation in the cross-border field (Otalex) or bilateral scope (Andalusia, Catalonia and Navarre) will be also presented during the session.

3. How to foster more effective uses of SDIs by external users

Jose-Luis Colomer Alberich, **Catalunya SDI (IDEC) initiatives for medium and small municipalities**

For the Catalan municipalities with less than 2000 inhabitants, its participation in the Catalan SDI (the IDEC) represented a non trivial challenge. Therefore, in 2008 the IDEC decided to create and host a Platform of Resources of Geoinformation (PRG) for the municipalities. The PRG offers basic SDI tools such as a customizable geoportal, a metadata editor, a viewer, a mechanism for address search, a simple object creation and editing tool, and tools for mapping thematic information from an Excel spreadsheet. The idea was to foster the access to the official geographic information, and to let the IDEC be known by small municipalities.

Maria Cabello, **The Spanish SMEs's role in the success of INSPIRE and its evolution**

SME's are considered to have a vital role in the success of INSPIRE and its evolution, however their participation is not very active mainly due to lack of resources and also company size. Spanish SMEs that are participating in smeSpire, have now the opportunity to benefit from the project. The value of the smeSpire network is not only in the acquisition of new knowledge, but also in bringing it to fruition. The network bridges SMEs and other, non-SME organizations that are key players in the development and implementation of INSPIRE. This will create new opportunities for SMEs

participating in the network, and TRACASA acting as National contact point for smeSpire in Spain is spreading the network in the country.

Romain Buchaut, *Provence-Alpes-Côte d'Azur Region SDI: regional SDIs and Open Data local initiatives*

During this feedback in a bar-camp, it will be especially focused on examples of "coproduction and geo-collaboration": with outreach initiatives and popularization of the use of the regional SDI, both by external users (professional, private companies and citizens in general ...) and through new uses (including business and with value-added applications ...). And in a context which now exceeds the professional world of GI and the frame of INSPIRE, it's that of public open data.

CVs of speakers



Gian Paolo Artioli

- ANCI Emilia-Romagna professional consultant for e-government in the local public administrations, from 2007.
- ELISA national e-gov. project on the cadastral information and local taxation expert consultant, from 2007 to 2012.
- SIGMA TER interregional e-gov. project on the cadastral information coordinator, from 2002 to 2007.
- Emilia-Romagna Region Geographical Information System Service manager, from 1999 to 2007.
- University of Siena contract professor of cartography, from 1999 to 2003



Romain Buchaut

He worked for 5 years in Paris in the private sector as a developer and GIS trainer. He has joined CRIGE - PACA, the regional SDI (Spatial Data Infrastructure) at its creation 10 years ago. Now, he deals with the coordination of geomatic network, manages the actions of "Thematic clusters" (WorkShop) and organizes the information sessions. He is also the manager in charge of External Relations for the regional SDI. With technical skills in INSPIRE implementation and a good knowledge of tools and standards of OGC webservice, he is the referent on Open Data issues and collaborative production of GI dataset.



María Cabello

Director of European Projects in TRACASA, with the responsibility of the coordination and management of the European projects in which Tracasa is participating. She has 25 years experience in information management systems and more than 20 years involved in GIS projects and spatial information as consultant or Tracasa employee. She participates as Coordination team in some European Projects related to INSPIRE themes such are EURADIN, Nature SDIplus or HLandData.



Catherine Chamard-Bois

Previously in the French National Geographical Institute, she has had different responsibilities in the *Directions Departementales des Territoires* in the *Pays de la Loire* area, as well as in the Geomatic Development Department of the Urban Community of Nantes Metropole. She is now project executive for geomatics in the "Centre d'études technique de l'équipement" in Nantes (which is a technical public utility under the Ministry of Sustainable Development). As such, she takes part in the coordination of the geomatics regional program GEOPAL.



Giovanni Ciardi

From 1989 he is employed in Emilia-Romagna Region and is involved in developing the Regional Spatial Data Infrastructure that serves the internal users, the 9 provinces and 349 municipalities. He is the leader of the regional Geoportal where the Emilia-Romagna region implemented the latest Inspire interoperability specifications (WMS, WFS, CSW, WCTS, CDTs) joined with other useful Open-Source and proprietary solutions



Jose-Luis Colomer Alberich

Studied Solid State Physics at the Autonomous University of Barcelona and was part time professor of Operating Systems while working at the Computer Center of the Technical University of Catalonia where he was developing Remote Sensing software. Technical manager of the Institut Cartogràfic de Catalunya, the official mapping agency of the Catalan government since its foundation in 1981.



Mario Favaretto

Currently full time employee of Intergraph Italy LLC. Since 1995 GIS & spatial planning expert. Since 2001 up today consultant in Region Veneto for spatial planning and for technical specification of spatial planning GIS data.

Andrea Fiduccia



Full-time employee of Intergraph Italy LLC (since 2006).

OGC Technical Committee Representative (Domain Working Group “Emergency and Disaster Management”) for Intergraph EMEA.

Full Member of Technical Advisory Board of OSDIFE, Observatory about CBRNe (Chemical-Biological-Radiological-Nuclear-Explosive) Security and Defense - Rome (Italy).

Formerly Technical Coordinator of Federated Information System - PODIS Project (Operative Project for Land Protection) (funded by EU) of Italian Ministry of the Environment and Land Protection.

Alberto Fiore

Since 2010 is employed in the Union of the Municipalities “Bassa Romagna”, where led the development of Spatial Data Infrastructure of nine Municipalities of Union. He also led some projects related to spatial data as Anagrafe Comunale degli Immobili (ACI), the update of DBTR (regional land database) and others.

Marco Mondini



From 1994 to 2008 was employed in Province of Bologna, where led the development of provincial Spatial Data Infrastructure. In 2008 moved to Municipality of Lugo di Romagna (Ravenna) and then, in 2010, in the Union of Municipalities “Bassa Romagna”, as IT Manager. He led the unification of 9 different computer systems in a single one.

Stefano Olivucci



Since 2000 he is employed in Emilia-Romagna Region in the GI area with the responsibility of the design and the development of topographic databases (road networks, addresses, house numbers). Since 2004 he led the topographic database project as the main core of the spatial data infrastructure. From 2009 is responsible for the development of the system for the management and updating of the regional topographic database in cooperation with local authorities and other subjects.

François Salgé



He is a well-known figure in Geographic Information. During his years at the *Institut Géographique National* (IGN), the French national Mapping Agency, he led the development of the French GI reference data and contributed to shifting IGN from a map maker to an information provider. He was President of the GI Technical Committee of the European standards organisation, CEN. He was Secretary General of CNIG, France's National Council for Geographic Information. He was then a key player in INSPIRE, also as facilitator of the INSPIRE thematic working group on land use. At present, he is advisor to the director general of the General Planning, Housing and Nature Directorate in the Ministry of Ecology, Sustainable Development, and Energy (MEDDE) and the Ministry of Territorial Equality and Housing of France. He is an active member of AFIGÉO, and for time being vice president of EUROGI.

Francesco Tomaello



From 1979 he worked in the public administration and since 1983 in Veneto Region, where he is employed in the field of municipal planning instruments management. Since 1999, he mainly deals with aspects related to the compilation of master plans in digital format.

Andrés Valentín



During 25 years (1975-2000) he worked in the Statistical Institute of the Region of Navarre with diverse levels of responsibility, being the person in charge from 1991 to 1996.

He is the Secretary of the SITNA Coordination Board since its creation in 2001. He coordinates the INSPIRE Working Group in the OCCCA and participates in the CODIIGE representing the region of Navarre.

Franco Vico



Former lecturer at the Polytechnic of Torino, where he taught GIS and analyses for spatial planning since the early 90's until 2012, he is active in the Italian world of geographic information promoting different kinds of initiatives. In recent years he has collaborated with some European projects (e.g. eSDI-Net^{plus}, Plan4all). At present he is portfolio leader of EUROGI/eSDI-Net initiative, focusing in particular on the development of sub-national SDIs.