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eSDI-Net+

**European Network on
Geographic Information Enrichment and Reuse**

Workshops

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eContentplus

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¹ OJ L 79, 24.3.2005, p. 1.

Abstract

The report of this deliverable D4.4 provides an overview of the project workshops held during the runtime of the eSDI-Net+ project. The workshops followed the main intention of the project to initiate a valuable dialogue within the GI community and the exchange of experiences in the targeted areas.

Keywords

Deliverable, WP4, Workshops, Community, Dissemination, Awareness, Target groups, Sustainability

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1 Introduction

The objective of eSDI-Net+ is to bring together existing SDI key players and target users in a Thematic Network established as a platform for communication and exchange between different stakeholders involved in the creation and use of SDIs. The network promotes decisions made at the European level and fosters technical discussion and information exchange at the national and sub-national levels, in order to increase awareness concerning the importance of GI enrichment and reuse, to allow an integrated view of the experts and to permit the creation of integrated guidelines, standards, and implementation of best practices. The project aim is to implement communication mechanisms between the European and local levels to maximize the benefits of INSPIRE and GMES regarding the digital GI content.

In the past three years the eSDI-Net+ project and its results have been presented at the most important European and national GI events, such as EC-GI and GIS workshops, AGILE Conference, EUROGI Open Day, GISIG meetings, etc. at the European level and conferences such as ASITA (Italy) at the national level.

For a detailed overview of past conference and event participations of eSDI-Net+ project partners please refer to Annex E of deliverable D4.1-3 Dissemination and Awareness Plan. A more detailed breakdown of the conferences and events in 2010 can be found in Annex A, Event calendar 2010 of the same document.

This document summarises the eSDI-Net+ Workshops held at these international GI events and provides a short overview of the Best Practice and Showcase Workshops.

2 eSDI-Net+ Workshops

2.1 INSPIRE Conference 2010 in Krakow, Poland

At this year's INSPIRE Conference the eSDI-Net+ project was represented by the pre-conference workshop "European SDI Best Practices in Dialogue." The conference was an opportunity for the eSDI-Net+ project to promote the twelve highly commended as European Best Practices, selected from 135 regional and local Spatial Data Infrastructures in 26 countries in Europe, as examples of successful SDI developments from the European to the local level. The major goal of the workshop and the project presentations was to showcase the SDI best practices to the community in order to build up further awareness about needs and opportunities for the development of Spatial Data Infrastructures in the future on the regional, national and European level following the INSPIRE initiative. More details about the conference are available at the INSPIRE 2010 Website under http://inspire.jrc.ec.europa.eu/events/conferences/inspire_2010/index.cfm.

On Tuesday, 22nd of June 2010 three different outstanding Spatial Data Infrastructures (SDIs) introduced their best practices at the eSDI-Net+ Workshop "European SDI Best Practices in Dialogue". These best practice examples from twelve highly commended European SDIs presented and demonstrated the key factors of their success towards the INSPIRE implementation at the sub-national level. The aim of the workshop was to highlight outstanding SDI best practices as examples of successful local and regional SDI developments and intensify the dialogue in the GI and INSPIRE community. It attracted an international audience of about 60 participants.

The INSPIRE Conference in Krakow was an appropriate occasion for the eSDI-Net+ Final Conference. It was a good opportunity to present the project achievements. This event is also comprehensively discussed in the deliverable D4.5 International Conference.

2.2 3rd International Conference on Cartography and GIS in Nessebar, Bulgaria

At the ICCG3 conference in June 2010 several eSDI-Net+ partners presented the experiences made during the SDI analysis, evaluation and selection and introduced European best practices as well as the assessment methodology. Following presentations were given by the project partners:

- Learning from others – Capacity Building for GIS and SDI in South East Europe, Ulrich Boes, Plenary Session 2: GIS Technologies and Related Disciplines;
- Spatial Data Infrastructures: The Sub-national Dimension in the European Context, Joachim Rix, Keynote speech;
- Introduction to Workshop, Presentation of eSDI-Net+ Project, Report about Thessaloniki SDI Workshop February 2009, Ulrich Boes, Workshop "Spatial Data Infrastructures: enabling sharing of data in South-East Europe" – Part 1;
- Introduction into SDIs and SDI standards, Ulrich Boes, Workshop "Spatial Data Infrastructures: enabling sharing of data in South-East Europe" – Part 1.

The comprehensive workshop report on this event is available in Annex A of this document. More details about the conference are available at <http://www.cartography-gis.com/>. All related documents are available in the eSDI-Net+ website under <http://www.esdinetplus.eu/publications.html>.

2.3 INSPIRE – GSDI 11 Conference 2009 in Rotterdam, the Netherlands

At the GSDI11 World Conference the eSDI-Net+ project organised a two-part workshop "Lessons Learned and Best Practices from GI-SDI Projects I: Examples of eContentplus Projects". Part I of this workshop "The eContentplus Programme and the eSDI-Net+ Network" was dedicated especially to the experiences made within the eSDI-Net+ project so far.

The common framework for the two workshops 3.4 and 4.4 was based on SDI INSPIRE related best practices addressed by five co-funded EC projects. eSDI-Net+ presented its European wide case analysis. The four other projects (GIS4EU, EURADIN, NATURE-SDIplus, and OneGeology-Europe) addressed the eContentplus thematic implementations. The workshops created the opportunity for all five projects to present their lessons learnt and best practices identified, to show their common interest and synergies. The programme for workshop 3.4 is available in Annex B. Annex C provides the program for workshop 4.4.

Both workshops were intended to transfer knowledge about the methodologies applied for such projects, best practices, technical aspects and organisational constraints, as well as to provide the attendees with tools for enhancing SDI implementation approaches on other domains.

Both workshops started with an introduction on the target and the perspectives of the eContentplus programme of the European Commission, which sets the path for all projects. Within this programme the eSDI-Net+ project as a thematic network follows the approach to bring together the stakeholders of the SDI community to strengthen the development and build up further awareness. eSDI-Net+ component focused on the identification and analysis of best practices mostly from sub national level, bringing a European wide picture of the current situation and defining an evaluation framework for further implementation. The workshop attendees had the opportunity to share experiences and perspectives, discuss the results obtained and interact about the evaluation process, being expected to acquire the basic knowledge for further engagement through follow up initiatives.

More information is available at <http://www.gsdi.org/gsd11/workshops.html>. The related event documentation has been uploaded in the eSDI-Net+ event calendar under <http://www.esdinetplus.eu/events/past.html>.

2.4 Best Practice Workshops

In 2008 and 2009, twelve national and regional SDI Best Practice workshops were organised by the eSDI-Net+ project throughout Europe. Some partners combined the eSDI-Net+ workshops with other GI conferences and events in order to foster the participation of SDI's.

The workshops focussed on common issues, usability and socio-economic impact of SDI's and addressed the integration between SDI's and e-government policies. They brought together stakeholders, and showed use cases and questions. A complete set of data obtained during the identification and analysis of promising SDI solutions throughout Europe has been collected and documented in a database of good practices.

The eSDI-Net+ network invited all types and sizes of stakeholders in charge of SDI developments from any region of Europe and at any level, from local through regional to national. Organisations facilitating access to geographical content or providing geo-information services to end-users were invited to participate in the SDI best practice selection process.

Following workshops have been performed:

European region(s) represented at the workshop	Workshop location	Date	Point of contact
France	Strasbourg, France	June 5-6, 2008	AFIGÉO
Hungary	Budapest, Hungary	August 29, 2008	HUNAGI
Czech Republic, Slovakia	Brno, Czech Republic	September 10, 2008	INGR
Italy	Rome, Italy	September 25, 2008	AMFM
Romania	Bucharest	December 11-12, 2008	ICIA
Poland	Krakow, Poland	January 29, 2009	AGH-UST
Portugal, Spain	Lisbon, Portugal	February 5, 2009	USIG, UJI
SE Europe: Albania, Bosnia-Herzegovina, Bulgaria, Croatia, FYROM, Greece, Kosovo, Serbia, Slovenia and Turkey.	Thessaloniki, Greece	February 5-6, 2009	SEERC, AGISEE
United Kingdom, Ireland	Liverpool, UK	February 11, 2009	RSW Geo
Germany, Switzerland	Darmstadt, Germany	February 12-13, 2009	IGS, FHG-IGD
Netherlands, Belgium	Brussels, Belgium	April 28, 2009	AGILE, SADL
Scandinavia: Sweden, Finland, Iceland, Norway, Denmark	Stockholm	April 27, 2009	LIU-IDA

Table 1: List of national and regional eSDI-Net+ workshops

The deliverable “D.2.2-2 Documentation of identified problems and good practices at local, regional and national level” summarises the experiences made in the eSDI-Net+ project regarding the identification and analysis of good SDI practices in particular during the preparation and realisation of 12 national and regional SDI workshops in different European countries and regions.

2.5 Showcase Workshops

Several local, national and regional showcase workshops were conducted in order to disseminate the results of the SDI assessment and selection and to promote the SDI Best Practices after the SDI Best Practice Award in Turin

Such workshops took already place in following countries:

- France
- Poland
- Portugal and Spain
- Bulgaria
- Rumania

Following countries are currently preparing such events at the national or regional level:

- Belgium
- Germany
- Hungary

For more information on the eSDI-Net+ Showcase Workshops, please refer to the deliverable D3.3 Showcase Workshops.

Annex A. eSDI-Net+ SDI Workshop Report, ICCG3



SDI Workshop ICCG3

Spatial Data Infrastructures:

enabling sharing of data in South-East Europe

Wednesday, 16 June 2010

Workshop Report

The workshop took place on 16 June 2010 and was organized by AGISEE; it is partly funded by the European Commission's e-content+ programme as part of the project "eSDI-Net+" (<http://www.esdinetplus.eu>). It follows the "eSDI-Net+" workshop in Thessaloniki in February 2009, where SDIs from all countries in South-East Europe were presented. It also follows the International Conference "SDI Best Practice Award 2009" that took place on 26th and 27th November 2009 in Turin, Italy, with its award ceremony of the 12 best European SDIs as best practice cases.

The workshop was part of the **International Conference for Cartography and GIS (ICCG3)**: <http://www.cartography-gis.com/>. The audience consisted therefore mainly of the participants of this conference.

The workshop aimed at informing participants about geographic information systems and spatial data infrastructures, what are their benefits and why we need them, but goes further in explaining how to build them in presenting practical examples. Thus, the workshop aimed at:

- Exchange of experiences in developing and setting up of shared GIS and SDIs.
- Learning from each other to understand critical issues in South-East Europe.

The workshop targeted SDIs at sub-national – local or regional – level, in accordance with the project "eSDI-net+".

It started with a keynote speech by Joachim Rix, coordinator of the project esdi-net+ and was then organized in two sessions, separated by the lunch break. The first session presented general aspects of spatial data infrastructures and standards, and the successful spatial data infrastructure of Catalonia. GIS and SDI developments in South-East Europe were presented after the lunch break.

The workshop was an excellent summary on GIS and SDI development on local and regional level with an emphasis on South-East Europe. Actors in the region, with the representatives of municipalities in particular, could meet and exchange information; they appreciated very much to obtain information on what is happening in other cities and countries in the region. It is for sure a good start for further exchanges and communication in the region. Further contacts will be necessary, and more countries will have to be involved. The workshop is continued with a mailing list offered by OGC and AGISEE, and future meetings are envisaged.

During the workshop, it was announced that the Open Geospatial Consortium (OGC) (<http://www.opengeospatial.org>) and AGISEE, the Association for Geospatial Information in South-East Europe (<http://www.agisee.org>) have established a cooperative relationship to promote the importance of open standards in the development of spatial data infrastructures and raise the awareness of interoperability in South-East Europe.

The ultimate goals of the relationship are to create a group of people who will advance innovation and use of standards in the geospatial domain and to present the interest and requirements of this South-East Europe group to international standardisation efforts.

The two organizations encourage interested persons to join a new mailing list that has been created to:

1. Inform members of the mailing list about issues of standardisation in the geospatial domain and related domains;
2. Inform members about new standards developments, innovations and implementations;
3. Provide a forum for the exchange of information and experience.

Interested people are invited to open the following link and register to the mailing list:

<https://lists.opengeospatial.org/mailman/listinfo/agisee.forum>.

The mailing list will be mainly in English to enable participation from all countries in the region, but posts in national languages are nevertheless welcome.

Agenda of the Workshop

12:00 a.m. - 12:30 a.m. Keynote speech 3

Joachim Rix, Technical University of Darmstadt (Germany), Coordinator of project eSDI-net+: Spatial Data Infrastructures: The Sub-national Dimension in the European Context

12:30 p.m. – 2:00 p.m. WORKSHOP - First Part

Moderators: **Ulrich Boes**, *Bulgaria* and **Athina Trakas**, *Germany*

12:30	Ulrich Boes, AGISEE	Introduction to workshop, Presentation of esdi-net+ project, report about Thessaloniki SDI workshop, February 2009	Bulgaria
12:50	Ulrich Boes, AGISEE	Introduction into SDIs	Bulgaria
13:05	Athina Trakas, OGC-Europe	SDI standards, the role of standardization organizations	Germany
13:20	Jordi Guimet, IDEC	Best practice SDI from Western Europe: IDEC, Catalonia, Spain	Spain
13:50	Questions and Answers		

2:00 p.m. – 3:00 p.m. lunch break

3:00 p.m. – 5:00 p.m. WORKSHOP – Second Part

Moderators: **Ulrich Boes**, *Bulgaria* and **Athina Trakas**, *Germany*

15:00	Ulrich Boes, AGISEE	SDI and GIS training framework - the Vesta-GIS project	Bulgaria
15:20	Miljenko Lapaine, University of Zagreb	Croatia NSDI	Croatia
15:40	Elda Maci, Municipality of Tirana	The GIS and SDI of the municipality of Tirana	Albania
15:55	Atanas Sirekov, Municipality of Burgas	The GIS and SDI of the municipality of Burgas	Bulgaria
16:10	Georgi Selensky, Municipality of Plovdiv	The GIS and SDI of the municipality of Plovdiv	Bulgaria
16:25	Murat Güneri, İstanbul Great Municipality	The GIS and SDI of the greater municipality of İstanbul	Turkey
16:40	Roundtable, concluding discussion, future actions and follow up		
17:00	End of Workshop		

Participants

The workshop addressed people interested in the SDI theme, data owners on sub-national level who would like to make their data available via SDIs or shared GIS and people or institutions who would like to build up SDIs. The participants were mainly those of the International Conference for Cartography and GIS (ICCG3). In total, 42 people participated in the workshop.

The participants were from 18 countries. Bulgaria was with 15 participants the best represented country, followed by Brazil, Czech Republic, Pakistan and Turkey with 3 participants each. Two participants each were from Germany and Spain; other countries were represented by one delegate. Eighteen delegates were from academia, fifteen from public organizations and fourteen from the private sector.

Overview of the Presentations

The workshop was preceded by the conference keynote speech by Joachim Rix, Technical University of Darmstadt (Germany), coordinator of the project esdi-net+, who presented the project, which is funded by the e-content+ programme of the European Commission. He explained the context of the project, defined the relation to initiatives such as INSPIRE, GMES, GEOSS, Digital Earth, in saying that it will be necessary to provide user access across initiatives and that the esdi-net+ project contributes to opening up different initiatives by networking and creation of awareness. He presented the selection of best practices cases of SDI developments in Europe and the project's SDI database that will be publicly accessible. The funded phase of the project will end in August 2010, with EUROGI taking over the role of managing the network and thus guaranteeing sustainability of the project and its results.

Ulrich Boes, president of AGISEE, opened the workshop in presenting the goals of the workshop and setting the relation to the previous workshop in February 2009 in Thessaloniki. He presented definition of spatial data infrastructures, both informal and formal ones, explained the difference between an SDI and a GIS and spoke about issues of SDI development. Athina Trakas, European director of the Open Geospatial Consortium (OGC), followed in presenting the role of standardisation bodies in the field. She explained the importance of interoperability, gave an overview of the OGC, its standards and its process of standards development. Athina concluded with presenting the regional activities of the OGC and in particular the activities in South-East Europe, where OGC and AGISEE had just concluded a collaboration agreement that was announced at this workshop. The corresponding press release is published at <http://www.opengeospatial.org/pressroom/pressreleases/1239>.

Mr. Jordi Guimet presented IDEC, the Catalan Spatial Data Infrastructure, which he defined as a network of tagged web map services containing documented geoinformation and other resources. IDEC started in 2002, became operational in 2004 and is today a demand driven, user and application centric service. He explained the benefits of this SDI and demonstrated that it is heavily used. The data from IDEC are used in many application areas such as tourism, cooperation between regional government and local authorities, local equipment maintenance and activities for control and reporting. In the future, IDEC will emphasise more quality and also include interfaces to sensors. IDEC's geo-portal is accessible at <http://www.geoportal-idec.cat/geoportal/eng>.

The afternoon session started with a short presentation of the project VESTA-GIS (<http://www.vesta-gis.eu/index.php>), which is a web based brokerage service for training and for mobility in the area of GIS and SDI; various SDI training courses are accessible via the VESTA-GIS web site. This was followed by a presentation of the successful national spatial data infrastructure of Croatia, delivered by Prof. Miljenko Lapaine, University of Zagreb, Faculty of Geodesy. He presented the organizational, legal and technical aspects of the development of the Croatian national spatial data infrastructure, showing their web services for access to data and their metadata catalogue, and for access to cadastral data. There is a well developed institutional framework, and various working groups define the details of the Croatian SDI. Miljenko continued with regional activities in the Western part of South-East Europe, pointing to awareness raising activities, as for example the Croatia NSDI and INSPIRE day that took place last November in Varazdin and is planned again for November 2010 in Osetija. Emphasis is put on cooperation between all interested and concerned actors.

The presentation by Mrs. Elda Maci, Gis Manager of the Municipality of Tirana, Albania, demonstrated the need for better urban management using GIS and showed the components of the municipal GIS. The development of the GIS of the Municipality of Burgas in Bulgaria, presented by Mr. Atanas Sirekov, IT Director, started in 1994. Today, an integrated geoportal is offered that serves many applications and includes functionality for medical waste management, local elections, tourist guidance and many others. A similar development and functionality was presented by Mp. Georgi Selensky from the Municipality of Plovdiv in Bulgaria. The GIS applications of the Istanbul Metropolitan Municipality were illustrated by Mr. Murat Güneri. He showed applications such as the Istanbul city guide, which is also available on mobile phones, traffic map, control of construction sites and street works, public transport information system. Murat further explained the structure of the Istanbul Metropolitan Municipality and of its GIS directorate, and the architecture of their GIS.

Conclusions

The preceding workshop in Thessaloniki, February 2009 concluded that SDIs in the region are not completely realized, only some of their elements exist and many differences exist between the countries. The general political situation has an impact on the development of SDIs, along with a lack of willingness of decision makers, the lack of a clear mandate and the lack of cooperation. Existing initiatives and projects are not coordinated, and the data are old and scattered. Further there is a lack of understanding and training. Users and applications act often as driving force for data sharing. Important are cadastre with land registration, and agriculture. The workshop in Thessaloniki ended in defining the need for a clear mandate and vision for SDI development, as it had been done in an exemplary way in Croatia. A need for awareness creation, training, education and learning from others is reported, and it would be necessary to be open to other and new approaches.

These conclusions were partially confirmed at this workshop, although with different words. The general situation in the region constitutes the context for reforms in the region and for SDI development. Determining factors are the economic and social system, the number of new states, heavy transition and devastation, the status of private ownership, the introduction of a real-estate market and its fast development. The political stability grows under the influence of EU processes.

SDI is recognized in the region as important conceptual and operational question and its development follows the general trend of GSDI and INSPIRE development. Basic NSDI legislation is considered necessary and is adopted in 3 countries (Croatia, Macedonia, Serbia) and the corresponding national mapping agencies are in charge of implementation. In Bosnia and Herzegovina, legislation is pending however. Challenges to be faced are that SDI is a new concept and as usual, new concepts are not readily accepted. It is in fact a challenge to accept this concept and to implement it. Capacity or rather its lack is a further challenge, and missing people and knowledge are recognized as a main obstacle for fast and successful establishment of any kind of SDI.

Having said this, there is a lack of awareness, among the politicians, stakeholders and in the own profession, there is lack of capacities and lack of knowledge. Various national data bases are under development, but data transfer and exchange culture is relatively low.

The role of the national mapping agencies has to be emphasised for SDI establishment; they are the most important actors in an SDI and would satisfy national as well as European needs. National mapping agencies are movers of geoinformation society development and their early involvement is very important. They are one of the main producers of spatial data and collect and manage spatial information and as such, they are one of the important leaders in SDI establishment and can contribute to awareness raising, sharing of best practices and education. Generally, the role of the national mapping agencies is significant, not only as producers of data but also as important leaders in SDI establishment.

There are several projects in the region, but in many cases, they are not sustainable. Funding is traditionally assured through donors. Further promising funding sources are the state budget through the national mapping agencies as SDI coordination bodies, or through local authorities, or by Public-Private Partnerships through different projects.

Concluding, it can be said in quoting Atanas Sirekov that GIS and SDI is a dream, but a possible dream.

Annex B. GSDI 11 Conference Workshop 3.4 Program

eSDI-Net+: Workshop Program for GSDI 11 Conference -
European Inspire Component EC eContentplus

Workshop 3.4 Program for GSDI 11 Conference

Lessons learnt and best practices from GI-SDI projects - examples of eContentplus projects -

Part I: The eContentplus Program and the eSDI-Net+ Network

ORGANISER: EUROGI in cooperation with the ESDI-Net+ Project

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Description and Goals

The common framework for the two workshops 3.4 and 4.4 is based on SDI INSPIRE related best practices addressed by five co-funded EC projects, one of them concerning a European wide case analysis (eSDI-Net+) and the four others concerning eContentplus thematic implementations (GIS4EU, EURADIN, NATURE-SDIplus, and *OneGeology-Europe*). The Workshops create the opportunity for all five projects to present their lessons learnt and their best practices identified, to show their overlapping interest and synergies.

Both workshops are intended to transfer knowledge about the methodologies applied for such projects, best practices, technical aspects and organisational constraints, as well as to provide the attendees with tools for enhancing SDI implementation approaches on other domains.

Both workshops will start with an introduction on the target and the perspectives of the eContentplus program of the European Commission, which sets the path for all projects. Within this program the eSDI-Net+ project as a thematic network follows the approach to bring together the stakeholders of the SDI community to strengthen the development and build up further awareness. eSDI-Net+ component focuses on the identification and analysis of best practices mostly from sub national level, bringing a European wide picture of the current situation and defining an evaluation framework for further implementation. The workshop attendees are welcome to share experiences and perspectives, discuss the results obtained and interact about the evaluation process, being expected to acquire the basic knowledge for further engagement through follow up initiatives.

TOPICS:

The eContentplus program:

The project officer from the European Commission will present the program expectations and give the perspectives for future development on those issues addressed by the project.

eSDI.Net+, a network perspective:

The European Thematic Network on Geographical Information Enrichment and Reuse aims to create a platform for cross border communication and exchange between different stakeholders involved in the creation and use of SDIs. The project intends to establish a long term sustainable network to support the communication from the local initiatives to the global perspective of interoperability.

eSDI-Net+: methodology for analysing sub-national SDIs

The methodology and the process to identify best practices will be presented. The lessons learned and good practices will be presented to the audience with online examples.

eSDI-Net+: guided tours to some SDI good practices

Some good practices and the lessons learned will be presented to the audience by officials in charge of them, with online demonstrations. A discussant will act as users advocate

Discussion

The results presented will be discussed with the audience. The participants are asked to contribute their own expectations and experiences to the discussion.

eSDI-Net+: next step, SDI Best Practices Award 2009

INSTRUCTORS:

- eContentplus: Krister Olson (European Commission)
- eSDI-Net+: Joachim Rix (INI-GraphicsNet Stiftung, Germany)
- eSDI-Net+: François Salgé (EUROGI, AFIGÉO and MEEDDAT, France)
- eSDI-Net+: Franco Vico (EUROGI and AM/FM, Italy)

AUDIENCE:

The target audience will be people related with INSPIRE implementation at national or regional level with the responsibility to assess their feasibility.

In particular the workshop is addressed to data providers in the public and private sector, as well as to the service and technology providers.

Annex C. GSDI 11 Conference Workshop 4.4 Program

eSDI-Net+: Workshop Program for GSDI 11 Conference -
European Inspire Component EC eContentplus

Workshop 4.4 Program for GSDI 11 Conference

Lessons learnt and best practices from GI-SDI projects
- examples of eContentplus projects -

Part II: GIS4EU, EURADIN, NATURE-SDI*plus*, OneGeology Europe

ORGANISER: EUROGI in cooperation with the ESDI-Net+ Project

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DESCRIPTION:

The common framework for the second part of the Lessons learnt and best practices from GI-SDI projects workshop (see Workshop 3.4) is based on SDI INSPIRE related best practices addressed by four EC funded projects concerning selected eContentplus thematic implementations (GIS4EU, EURADIN, NATURE-SDI*plus*, OneGeology Europe).

The workshop intends to transfer knowledge about the methodologies applied for such projects, best practices, technical aspects and organisational constraints, as well as to provide the attendees with tools for enhancing SDI implementation approaches on other domains, fostering as well exchange of experiences among different initiatives.

Based on this integrated approach the workshop addresses four specific thematic SDI approaches related to the Interoperability of Administrative Units, Hydrography, Transportation Network and Elevation datasets (GIS4EU), the establishment of a European Addresses Infrastructure (EURADIN), the cluster of data sets for Nature Conservation (NATURE-SDI*plus*) and geological data (OneGeology Europe), focusing on the most relevant technical, data, metadata and dataflow issues, and their establishment.

Although each of the projects relies on specific themes and holds development particularities, the workshop also explores the common deployment issues between them, through an as much as possible coherent and coordinated approach, aiming to highlight some SDI implementation commonalities.

The workshop relies mostly on lectures related to each of the covered topics. It is foreseen to distribute some materials related to the projects and concrete results obtained by them.

TOPICS:

Introductory Comments from the eContentplus program officer.

GIS4EU: Data Harmonisation processes, Interoperable SDIs, INSPIRE testing

GIS4EU - Provision of interoperable data sets to open GI to EU Communities - aims to provide base cartography datasets for Europe and to ensure its cross scale, cross language and cross border interoperability and accessibility, according to standards and INSPIRE Directive requirements.

EURADIN: Data, Metadata, Data flow and Business Model, INSPIRE testing

EURADIN - European Addresses Infrastructure – aims at constituting a Best Practice Network in order to promote the European Addresses harmonisation regarding the definition, registration and access to the European Addresses Data.

NATURE-SDIplus: User needs, Data analysis and specification, INSPIRE testing

NATURE-SDIplus -Best Practice Network for SDI in Nature Conservation - aims, through state of art methodologies and best practice examples, to improve harmonisation of national datasets and make them more accessible and exploitable.

OneGeology Europe: User needs, Metadata, Data harmonisation process, INSPIRE testing

OneGeology Europe – Best Practice Network for SDI in Geology – aims at improving accessibility of geological data and delivering a harmonised geological map of Europe at 1:1 Million scale, built from national maps served through interoperable services.

Interaction with attendees structured around a predefined model dependent on the number of participants.

INSTRUCTORS:

- eContentplus: Marcel Watelet (European Commission)
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- NATURE-SDIplus: Giorgio Saio (GISIG)
- OneGeology Europe : François Robida (BRGM)

AUDIENCE:

The target audience will be people related with INSPIRE implementation at national or regional level with the responsibility to assess their feasibility.

In particular the workshop is addressed to data providers in the public and private sector, as well as to the service and technology providers.