

eSDI-Net+

European Network on Geographic Information Enrichment and

Reuse

Workshop UK and Ireland

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eSDI-Net+

***Network for promotion of cross border dialogue
and exchange of best practices on Spatial Data
Infrastructures (SDI's) throughout Europe***

**Establishment of a Thematic Network
funded within the eContent*plus* programme
of the European Commission
ECP-2006-GEO-320005**

Why eSDI-Net+?

Obstacles SDI's have to face:

2. Technological Barriers
(Lack of Reusability and Clustered Data)
3. Organisational Barriers
(Fragmentation and Lack of Harmonisation and Interoperability)
4. Legal Barriers
5. Cultural and Linguistic Barriers



Analysis of demand

- **Public sector organisations:** need to define clear data exchange policies to disseminate their information
- **European Bodies:** need for the enforcement and validation of standards in Member States
- **European GI Agencies:** need for standardised solutions in order to create a shared base cartography
- **Technological enterprises:** need to increase their knowledge in GI standardisation
- **GI Research Community:** need for better defined specifications in order to collaborate in Pan-European research and training projects
- **Consumers:** simple search, access and viewing of geographical data in standard formats

Objectives of eSDI-Net+

- To establish a Thematic Network as **platform for communication** and exchange among stakeholders involved in the creation and use of SDI`s
- To **bring together potential SDI stakeholders** in order to increase awareness and to facilitate the creation of
 - **guidelines**
 - **standards**
 - **best practices**
- To establish **communication mechanisms between European and local levels** to maximize benefits of INSPIRE, GMES, GALILEO and e-government programmes
- To develop solutions for **multicultural and multilingual** access, exploitation, use, and reuse of digital GI content in Europe



Thematic Network – Initial Partners

Geographic coverage

Organisations from 15 European countries from the different regions in Europe

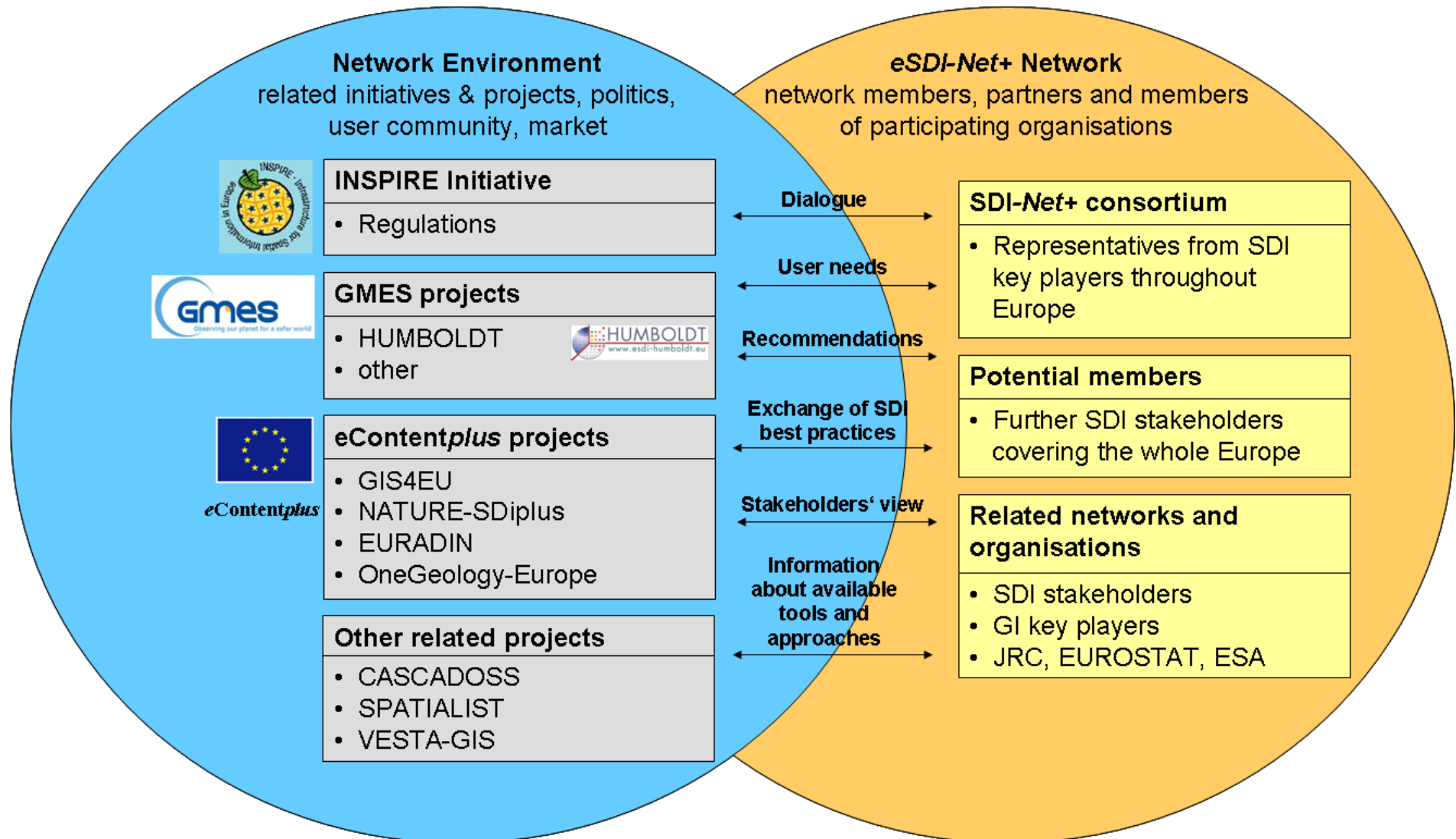
Involvement of Stakeholders

- Providers of digital geographical data (local, national and regional public authorities, private organisations and institutions)
- Users of digital geographical data (research institutes, universities, software manufacturers)
- National and international GI umbrella Associations
- Consultancy and Network Management

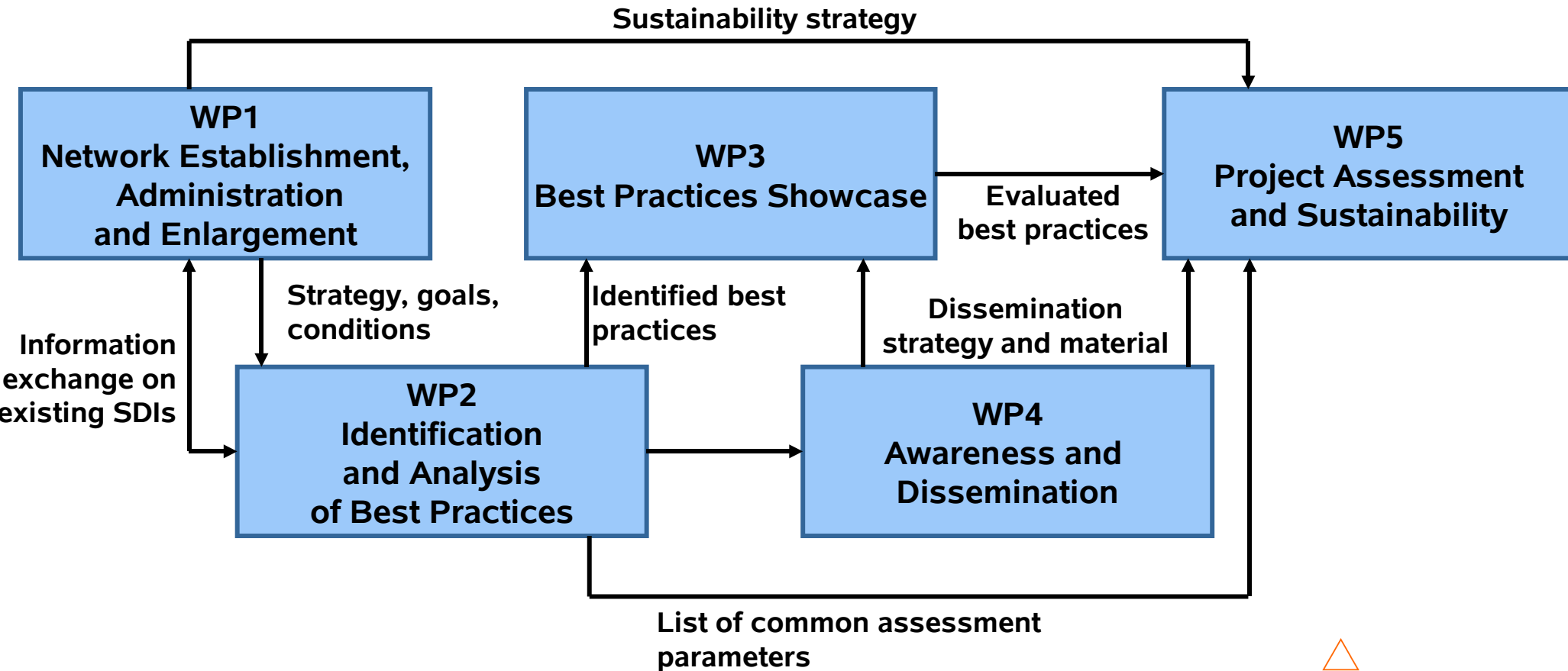


1. **The Foundation “INI-GraphicsNet Stiftung”**, Germany (IGS)
2. **AGH University**, Poland (AGH)
3. **AM/FM GIS Italia**, Italy (AMFM)
4. **Association for Geospatial Information in South-East Europe**, Bulgaria (AGISEE)
5. **Association of Geographic Information Laboratories for Europe**, Netherlands (AGILE)
6. **Association USIG** (Users of Geographic Information), Portugal (USIG)
7. **CNR-IMATI**, Italy
8. **EUROGI**, Netherlands
9. **Fraunhofer Gesellschaft**, Germany (FHG-IGD und FOKUS)
10. **GISIG**, Italy
11. **Hungarian Association for Geo-information** (HUNAGI)
12. **Research Institute for Artificial Intelligence**, Romania (ICIA)
13. **Intergraph**, Czech Republic (INGR)
14. **Kuovola Region Federation of Municipalities**, Finland (KRF)
15. **Linköpings Universitet**, Dept. of Computer and Information Science, Sweden (LIU-IDA)
16. **Regione Piemonte**, Italy (PIEMONTE)
17. **Katholieke Universiteit Leuven**, Belgium (K.U.Leuven R&D)
18. **The South East European Research Centre**, Greece (SEERC)
19. **The University “Jaume I” (King James I)**, Spain (UJI)
20. **University of Rome “La Sapienza”**, Italy (URS)

Related initiatives and projects – current status of collaboration



Interdependencies between work packages



Goals of the regional activities

The process

- Define the methodology
- Identify, analyse and document relevant existing SDI initiatives
- Criteria for evaluation
- National or regional application oriented Workshops
- Determine good practice solutions
- Recommend them to the European level



Reagional and national SDI workshops

SDI Selection Timeline	2008								2009						
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Southeast Europe						Green	Orange	Orange	Orange	Blue	Yellow	Purple	Purple	Cyan	
UK/Ireland						Green	Green	Orange	Blue	Yellow	Purple	Cyan			
Portugal/Spain					Green	Green	Orange	Orange	Blue	Yellow	Purple	Cyan			
Hungary	Green	Orange	Orange	Blue	Yellow	Purple	Purple	Cyan	Cyan						
CZ/Slovakia	Green	Orange	Orange	Orange	Blue	Yellow	Purple	Purple	Cyan	Cyan					
Italy	Green	Orange	Orange	Blue	Yellow		Purple	Cyan							
Germany	Green	Green	Green	Green	Orange	Orange	Orange	Orange	Orange	Blue	Yellow	Purple	Cyan		
Netherlands/Belgium						Green	Green	Orange	Blue	Blue	Blue	Blue	Yellow	Purple	Cyan
France	Green	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Purple		Cyan			Yellow
Scandinavia					Green	Green	Orange	Orange	Orange	Blue	Blue	Blue	Yellow	Purple	Purple
Poland					Green	Green	Orange	Orange	Orange	Blue	Yellow	Purple	Cyan		

- Identification and Preparation
- Questionnaires and Interviews
- Assessment and Selection
- Workshop
- Report
- Recommendation of Best Practices for the Award



Local or Disciplinary Differences

- Understanding of SDI:
 - discussions & documents were initiated/created
 - conclusions will be taken from the results of these activities
- Status of knowledge:
 - very different across potential participants
 - harmonization process through close collaboration and information exchange
- Selection criteria for best practices:
 - identification criteria for SDI as basis for the regional Ws
 - Recommendations from the national experiences
 - assessment document for the best practice award in progress



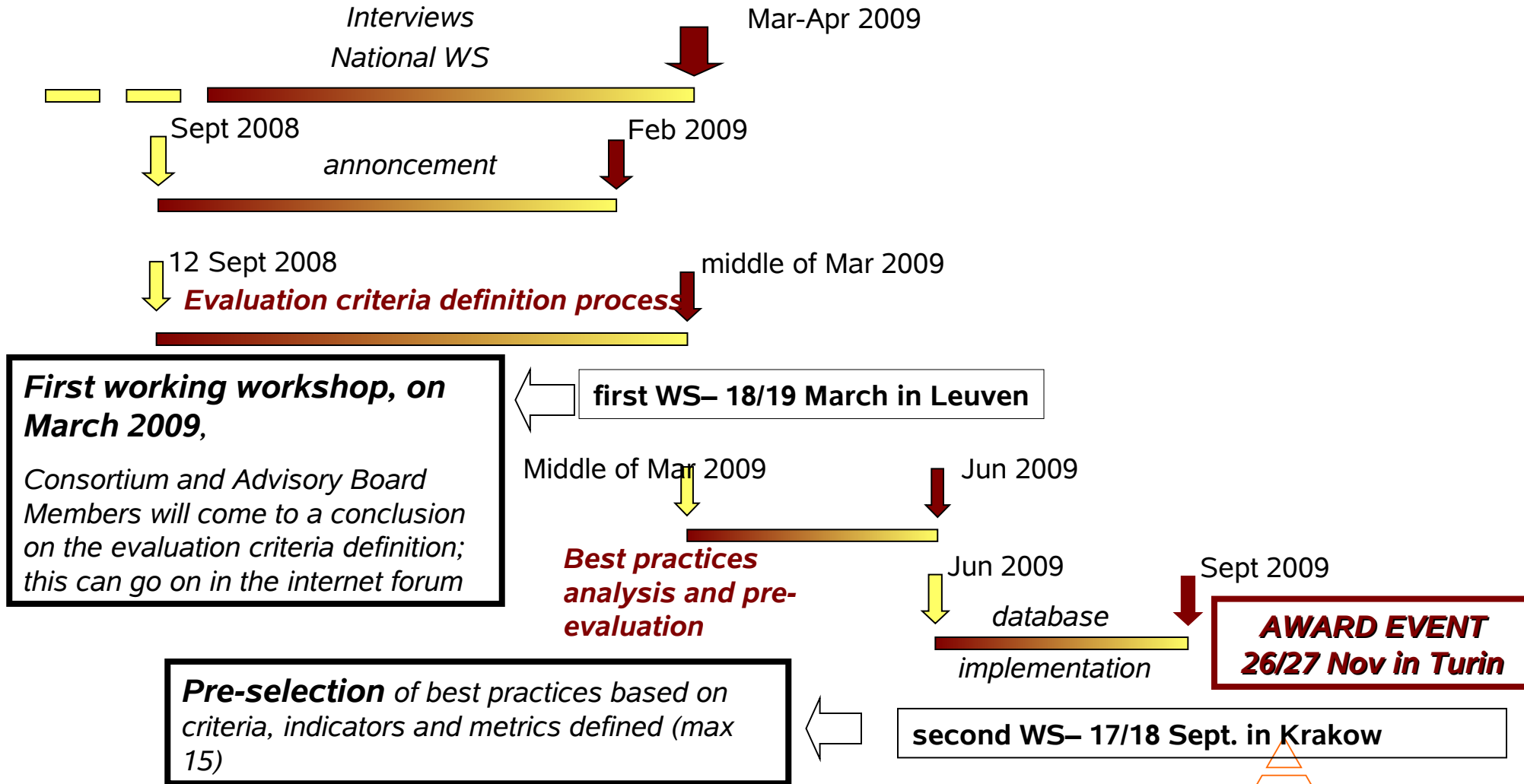
Experiences & Results

- Subsidiarity, communication and cooperation among administrative levels
 - Key features that differentiate a SDI from a complex corporate or Web GIS and Geoportals
 - Main drawbacks in sub-national SDI implementation
 - Management of the relationship between sub-national SDI and national SDI
 - Producing topographic databases
 - Building a shared data model for structural urban planning
 - Data sharing, dealing with IPR and managing geospatial data licensing issues
- Highlights from data collected
 - Mature SDI are difficult to find and analysis by components prove to be more effective
 - Majority of SDI operate informally, but the establishment of legal structures is increasing
 - Very heterogeneous funding, often including public National and European
 - Need for coordination committees mainly from the national level
 - Taylored for internal users requiring data policies for external access and value adding
 - Growing awareness for INSPIRE, but lack of understanding of its technological implications
 - Requirement for metadata availability at free of charge and to adopt relevant standards
- Findings from other countries will enrich and facilitate structured conclusions



Workshop Assessment Concept

Assessment Goal	Stakeholder	Methodology
Workshop	Organizer	WS Summary Questionnaire, on-line
	Participant	WS Participant Questionnaire, off/on-line



Best Practices Award and Showcase Workshop

Program proposal:

Open Conference ***Date: 26/27 November 2009*** ***Place: Turin***

Thursday

Presentation of the project

SDI analysis results

Showcase of pre-selected projects (10 cases)

Selection of the “top-scoring” Best Practises

(restricted to the Award Jury)

key notes speaker

Gala dinner

Friday

Award celebration

Key notes speaker

(recommended: Prof. Abbas Rajabifard, University of Melbourne)

Illustration of selection criteria by the Award Jury

Awarding of the “top-scored” Best Practises



Objectives on dissemination

- ◇ *Create information and awareness for most of the European public authorities, users and stakeholders on benefits of using semantically enriched GI*
- ◇ *Widely distribution of knowledge of existing geographic enriched digital information best practices, with a focus on European, National and Regional level*
- ◇ *Network enlargement*

Dissemination Plan

- Two levels dissemination activities, targeted at:
 - European level
 - National and local level
- By:
 - the Consortium as a whole (with “institutional” participation), i.e in European events, such the INSPIRE-event
 - each partner via their networks and their participation/ presence events/initiatives in their Countries (but also at European level)
- Partners specific contribution:
 - Identification of classes and profiles of stakeholders at European, National and local level and definition of dissemination strategies for each class identified
 - Schedule of dissemination workshops at EU and National level and of Public Conference
 - Identification of resources for dissemination and of the operational financial procedures

eSDI-NET+ target audience and dissemination strategies:

- Members of GI committees: to present eSDI-Net+ and the national workshops, also proposing adhesion to the eSDI-Net+ network
- References of regional and local SDIs: all eSDI-Net+ partners should contribute to tune the action to the national realities
- Representatives of user categories: as above, with active participation to the discussion of SDI services, as they are customers of SDI
- References/involved in national e-gov activities: to share their experience and thus enriching the debate



INSPIRE – GS DI 11 Conference, Rotterdam (NL), 15-19 June 2009

Two subsequent Workshops, proposed by eSDI-Net+ in cooperation with EUROGI

**“Lessons learnt and best practices from GI-SDI projects”
examples of eContentPlus projects**

Part I: The eContent+ Programme and the eSDI-NET+ Network

- ◊ *The eContent+ programme*
- ◊ *eSDI-Net+, a network perspective*
- ◊ *eSDI-Net+: Methodology, Evaluation framework, Best practices, Award 2009*

Part II Examples of the eContentPlus projects:

- ◊ *GIS4EU- Provision of interoperable data sets to open GI to EU Communities*
- ◊ *EURADFN- European Addresses Infrastructure*
- ◊ *NATURE-SDIplus -Best Practice Network for SDI in Nature Conservation*
- ◊ *One Geology Europe - Best Practice Network for SDI in Geology*

Establishment of sustainable network

- Extension of the consortium
- Building the network
- Identification of persons and organizations interested in collaboration
- Organizational body for a longterm sustainable network

Thank you

for your interest in the project

eSDI-Net+

Get involved at www.esdinetplus.eu

