

# Networking of Spatial Data

eSDI-NET+

*European Network on Geographic Information  
Enrichment and Reuse*

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# Spatial Data Infrastructure (SDI)



“A Spatial Data Infrastructure or SDI is a framework of spatial data, metadata, users and tools that are interactively connected in order to use spatial data in an efficient and flexible way.”

# Situation Today

- *Fast growing of geographic digital content*
- *Inadequate dissemination*
- *Re-use of data often difficult*  
(technological, organisational, legal, cultural and linguistic barriers)



  
*Negative impact on the costs and  
on the real accessibility of geographic information*

# The Approach: INSPIRE & ESDI

- *Enrichment of geographical data by metadata*
- *Development of a European Spatial Data Infrastructure (ESDI)*



- *Extensive geographic information reuse*
- *Improve administration in the EU by securing the availability of qualified, useable spatial data*

# INSPIRE & GMES



- GMES (Global Monitoring for Environment and Security) **is a European initiative for the implementation of information services dealing with environment and security.**
- **GMES** as drivers of service development and **INSPIRE** as a driver of integration in respect of these services.
- GMES is the European participation in the **worldwide** monitoring and management of our planet Earth and the European contribution to the Group on Earth Observation (GEO). The global community acts together for a synergy of all techniques of observation, detection and analysis.

# Future Perspectives of SDI's

- *SDIs are being developed. The public and private sector is delivering real services to citizens.*
- *SDI will play a key role in the modernization of public administration, increasing quality of service, and improving cost-effectiveness.*
- *Importance of SDI for economic development being increasingly recognized*
- *Environmental directives as driving force to set up cross-border solutions, and tie Europe together.*

# Consequences

- Need to build a forum for the many initiatives and SDI stakeholders across Europe especially acting on local level. Nowadays, those are scattered and sometimes difficult to trace.
- Need for pan-European knowledge transfer about the usage and abilities of GI across politics, industry, science and society
- Need to document, share and build on their operational experience.

# Our approach

- *A coordinating body at a neutral level to manage and distribute input from European SDI stakeholders*
- *Development of a broad reference group from industry, science politics and users:*

## eSDI-Net+



## ***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 eContentplus programme  
of the European Commission  
ECP-2006-GEO-320005

# 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 and GALILEO and e-government programmes*
- *To develop solutions for multicultural and multilingual access, exploitation, use, and reuse of digital GI content in Europe*

# Identification and Analysis of Best Practices

- Workshop, aimed at establishing common parameters, used to assess SDI initiatives
- National and application oriented workshops aimed at characterizing SDI implementations (i.e. Urban Planning)
- Workshops focusing on common issues, usability, socio economic impact of SDI.
- Workshops addressing the issues of integration between SDI's and e-government policies

# Best Practice Showcase

- Selection of best applicable solutions
- Demonstrating success show cases
- SDI Best Practice Award
- Dissemination of show cases
- Stimulate the re-use and exploitation

# Thematic Network - Initial Partners

## *Geographic coverage*

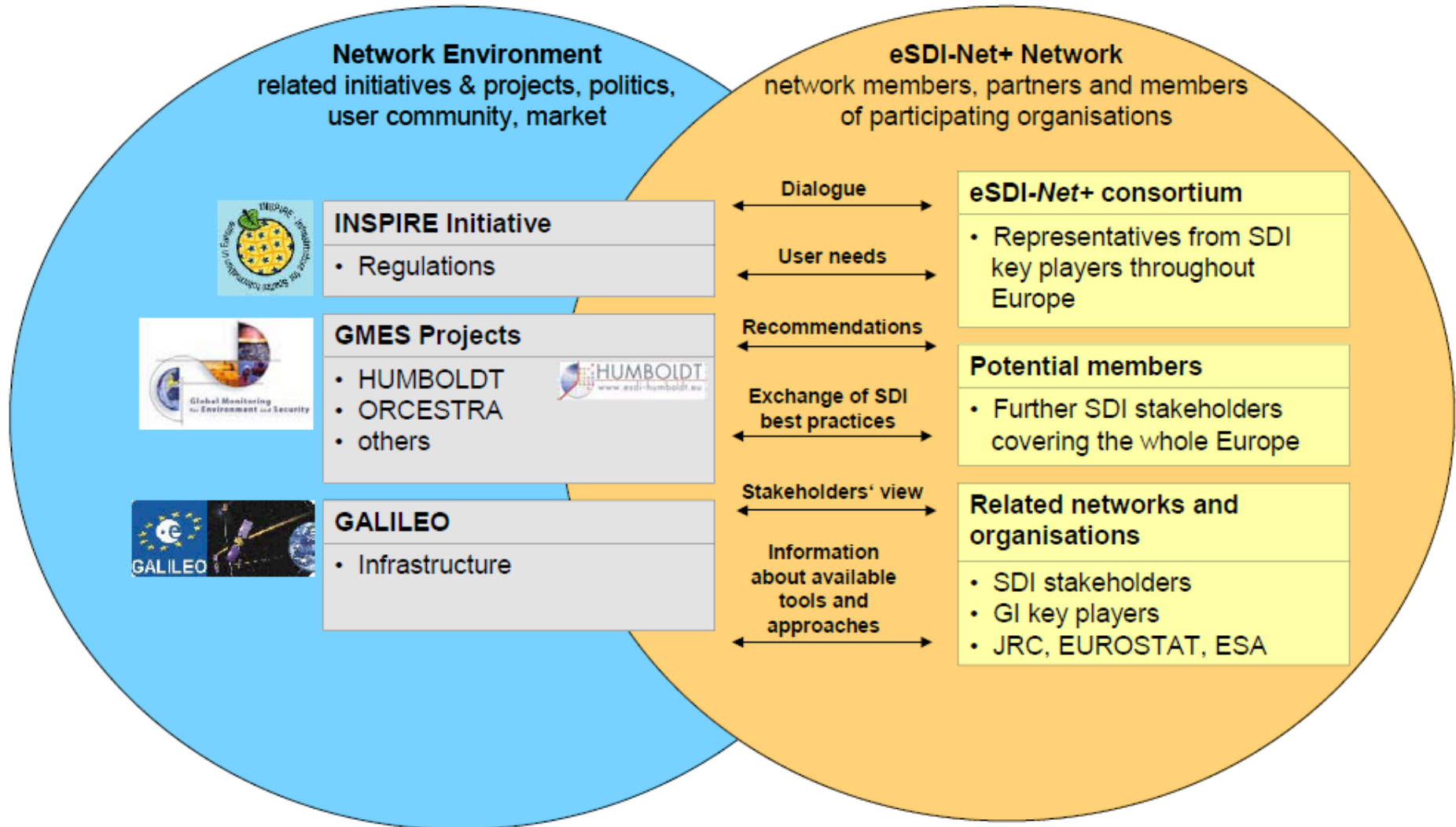
Organisations from 15 European countries  
from the different regions in Europe

## *Involvement of Stakeholders*

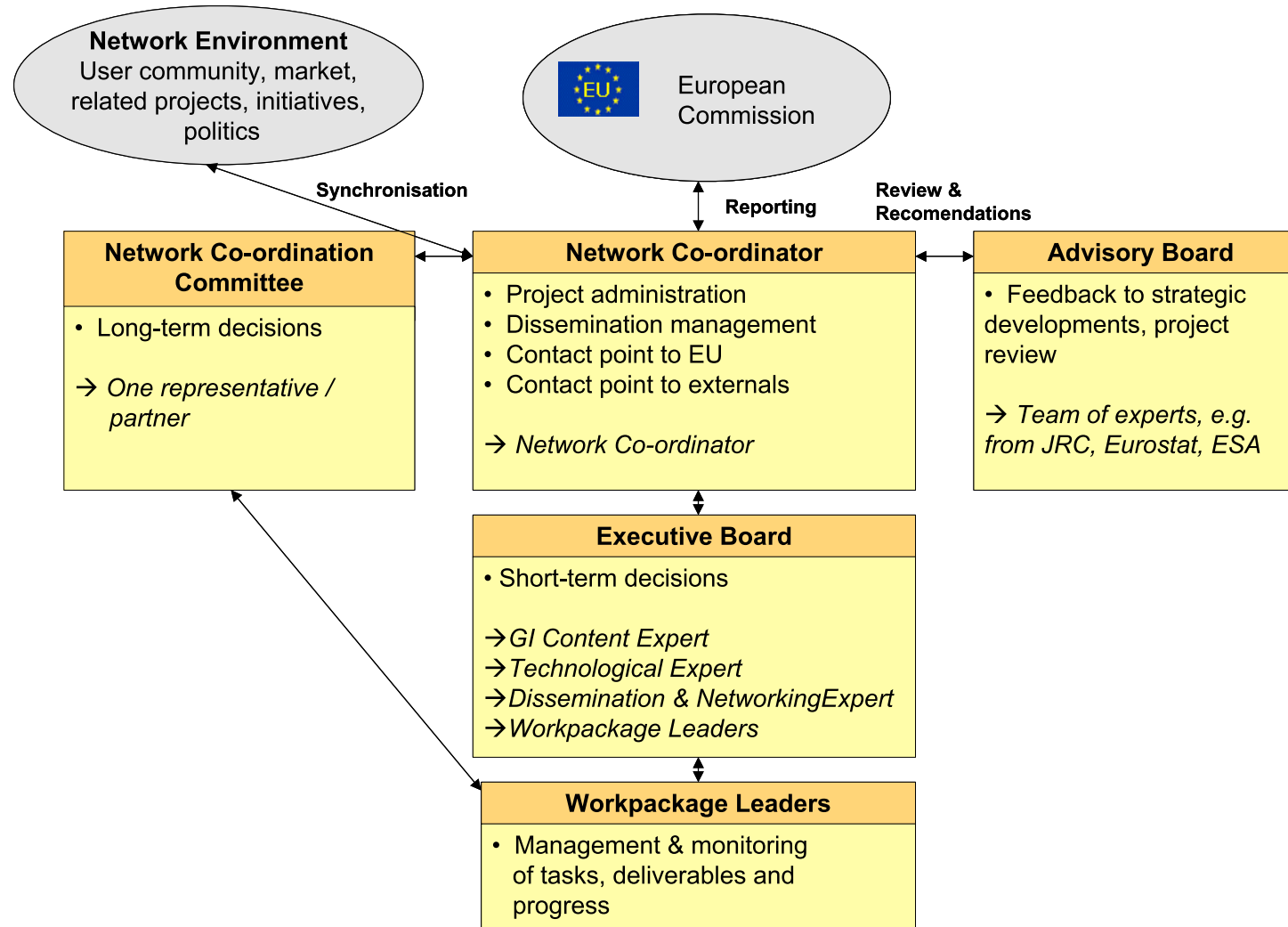
- Providers of digital geographical data  
(local, national and regional public authorities,  
private organisations and institutions)
- Users of digital geographical data  
(research institutes, universities, software manufacturers)
- National and international GI umbrella Associations
- Consultancy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

*Relationship foreseen with general purpose Pan European associations  
with interest in GI, not directly part of the network*

# Relation to other European Initiatives



# Administration Structure



## eSDI-Net+ : At a Glance

- *Development of a Forum for European Spatial Data Providers and Users*
- *Building a platform for Research, Industry and Government : Facilitating the exchange of Know-How on Spatial Data Information*
- *Collect information on SDI related topics for further distribution and discussion among European SDI stakeholders*
- *Enhance innovative collaboration on a strategic and operative level to maximize individual efficiency and effectiveness in communication*



# Consortium Members

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**, Department 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)