Summary

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INSPIRE

- Directive will be adopted in 2006
- Agreement on most issues, some “intelligent compromise” needed on the outstanding ones
- Allow multiple business models and practices but overall objective of greater data sharing must be met.
- Huge amount of work being done in Drafting Teams as synthesis of best practice.

INSPIRE round table Q&A

- Keep I.R. simple
- Don’t’ forget education & capacity building (hundred thousand specialists will be needed)
- Connect to eGov (e.g. funding, indicators,..), GMES and GEOSS
- Keep in mind different requirements across sectors (e.g. 3D, 4D,..)
- Identify user requirements in cross-border areas

INSPIRE Round-Table

- We have a dream: an infrastructure
  - supporting multiple business modes and multiple processes
  - making available “harmonised” data in support to cross-border applications
  - ensuring simple access to data (no legal/financial barriers)
  - with data of high quality properly maintained

PEER

- Seven European environmental institutes have started cooperation called PEER GI pillar aiming at a GI research programme for the environment. PEER GI pillar welcomes other partners to participate to this work (www.peer-initiative.org).
- There is a strong need to combine national and international GI data in different research projects. In this work, national & European SDIs, standards, harmonisation, etc. are needed. Good examples of research projects (like NoMiracle) and initiatives (like SEEIS) were shown.

SDI Technology

- Interoperability among many proprietary GIS is technically possible
- Open source software can be used to deliver the technical infrastructure for INSPIRE
- Catalogue services and service-oriented architecture are key to interoperability for web-based INSPIRE services
- Consulting with users of GI technology can save time and money and deliver more user-friendly products.

Metadata & Catalogues

- Distributed catalogues can work together but are not yet really interoperable: Standards need improvement
- GI Research: Start to rethink about Metadata
- Schema Mapping complex but feasible for (automatic) geodata integration
- First approaches exist to do *cartographic styles registries* for harmonised web mapping

Data Harmonisation

- Data structure and content are important but data quality needs to be assured and permanently maintained and controlled
- Lesson from EuroRoadS to INSPIRE:
  Find the right balance between far-reaching harmonisation and making use of existing data
- Use existing standards where applicable but make sure they are stable
- Pragmatism is paramount: It must be simple for the end users

National SDI

- GI & SDI to be built as a part of national (and federal) eGovernment, based on political, concepual and technical cooperation, to enable *re-using data at low cost* by (federal) state, municipalities, communities, and potential *partners in other EU countries.*
- Building SDI: It is not just technology – although important, It is our ability to identify and analyze user needs and business processes, and implement into user applications.
- If you share, you always gain more: allow people to view and query GI, and it gets viable.
- Many „islands“ of proven capacity and experience exist but standards need to be applied in order to ensure quality of work and synchronisation with other regional, national and European actors.

National SDI

- Need to define more clearly the INSPIRE data themes which can be interpreted in different ways
- For users, stability of services is crucial. Work with the standardization community to develop services that deliver and are stable
- Cadastral-based applications demonstrate the added value of an SDI, and helped to put SDI on the political agenda
- Need to integrate SDI and e-government and ensure technical and organisational interoperability

National/Regional

- Many developments taking place at national and regional level to develop SDIs, particularly in the environmental field
- Excellent example of coordinating framework in Denmark which brings SDI under the e-government Board
- A key factor of success is translating the spatial data into information relevant and understandable by users (WiYBY + GeoSure)
- Cross-border projects really bring home the lack of accessible and understandable data across regions and need for INSPIRE

National/Regional

- SDI building will not be successful without strong educational component (it is a growing need for continuous e-distance learning)
- There are many regional (national and cross-borders) SDI initiatives – the processes of building them has not been completed yet, but almost all of them have been successful up to now
- Standards/rules proposed by INSPIRE are in action in these regional initiatives, although there are proposals for improving them
- “Regions” want to cooperate, to discuss SDI aspects, to exchange their knowledge and experience
- Data Policy on exchanging/sharing data is one of the most important tools needed for SDI success except of technical standards and technology

Regional/Local SDI

- Local SDIs can get off the ground and produce useful results quickly (order of 1 year) IF there is the will
- Coping with a range of business models is possible but needs careful architectural design from the outset
- Automation is essential to integrate across levels of SDI
- Some new applications are emerging beyond basic viewing and querying (e.g. works planning)

SDI Impacts

- Need to be imaginative and innovative in our thinking about data availability and access
- Necessary to consider new legal as well as technological solutions
- SDI success depends to a large extent in our ability to communicate in languages other communities will understand
- Need for ex-post studies to evaluate extent to which SDIs meet their objectives

SDI

- Some studies underway including survey of stakeholder expectations in Czech Republic + JRC studies
- Eurogi initiating social impact study
- Work in the Netherlands on developing a conceptual model of SDI based on information theory
- Concern in some data producing agencies on the potential impact of INSPIRE, which need to be recognized and addressed.

Data Sharing

- There are multiple business models in existence reflecting institutional and cultural contexts
- Framework agreements allowing access at the point of use, lending and testing facilities.
- Given the flexibility that these multiple solutions offer an “Intelligent Compromise” on INSPIRE must be possible.

Meta Summary 1

- Focus on user needs (identify, listen, deliver understandable information not just data!)
- SOA ok but need services that really work and are stable
- Tension between need for stability based on standards, and flexibility to respond to technological development
- Cross-border difficulties to find, access and use comparable data reminder of need for INSPIRE

Meta Summary 2

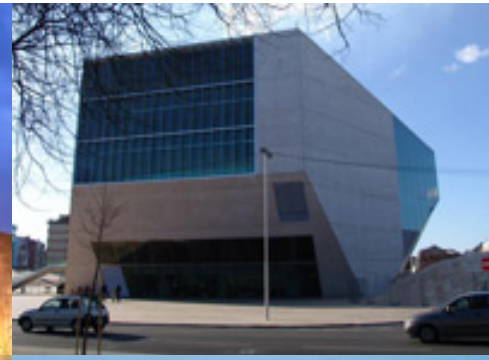
- Need to study the socio-economic impacts of SDIs in use
- Organisational interoperability still very difficult but some good practices emerging
- Closer technical and organisational integration with e-government crucial to deliver services, and reduce costs
- Research, education, and capacity building need more attention and support

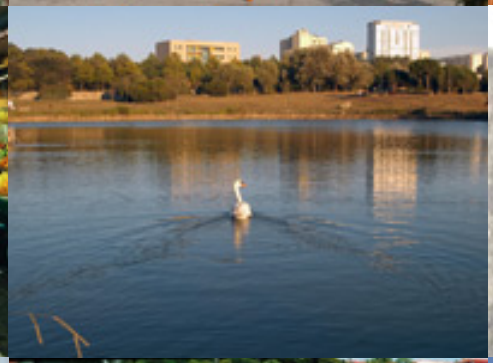
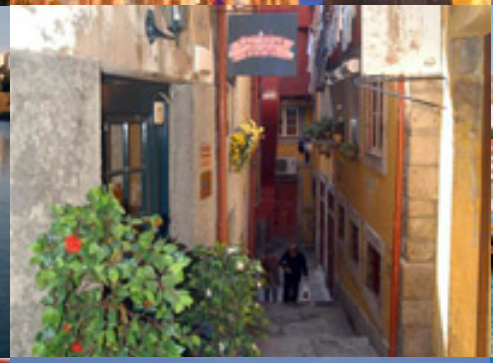
So, we have a dream….

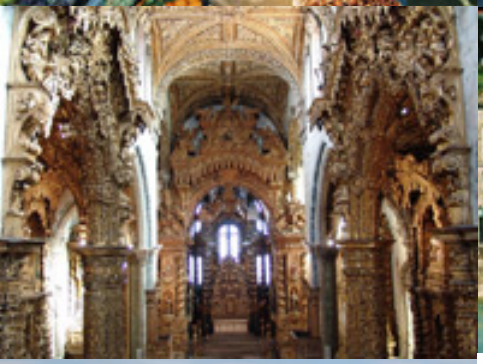
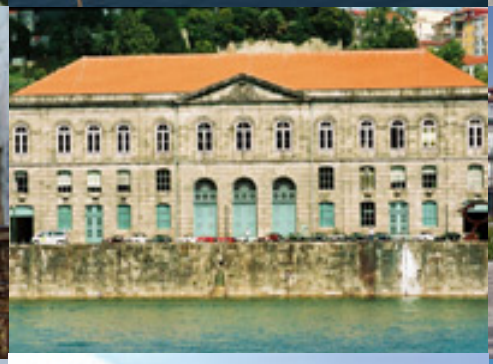
- We are making progress both in terms of framework and implementations
- But we have also some more work to do, and we need to do it TOGETHER!
- The next 12 months promise to be eventful! So let’s check on the progress made next year at the 13th EC-GIS Workshop!

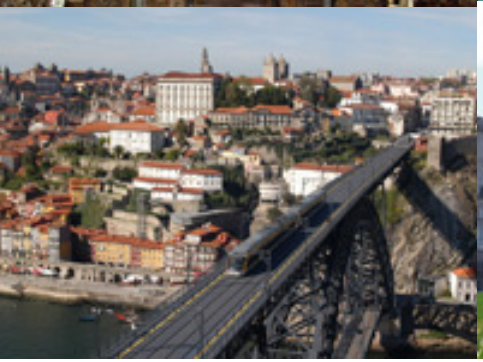
Where????

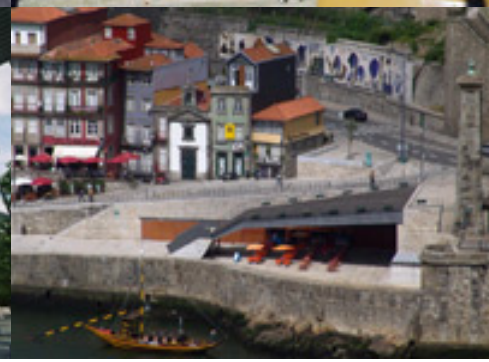



Porto
4 – 6 July 2007