Between legislation and consensus – how do we INSPIRE Denmark?

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INSPIRE Contact Point
Outline

• Status
• Opportunities/Challenges
• Summary
Status
- on selected areas
KMS’s role as coordinator

The Minister of the Environment has assigned most of her authority pursuant to the Act to the Danish National Survey and Cadastre (KMS):

- National contact Point
- Represent Denmark in the INSPIRE Committee
- Responsible for the Danish implementation of the Infrastructure for Spatial Information Act and thereby implementation of the INSPIRE directive
Milestones/areas of work in the development of Denmark’s SDI

- Implementation of Infrastructure for Spatial Information Act
- Reduction of obstacles for public authorities’ use of the national SDI
- Integration of the SDI into public authorities’ work
- Increased cross-sectoral collaboration on SDI definition and maintenance
Spatial Information Act (SDI Act)

- A minimum implementation of the Directive, but
- Spatial Information Act has tools to strengthen the Danish SDI and its relationship to eGovernment
- Two significant additions to the content of the EU Directive
  - The Minister for the Environment can extend the provisions of Infrastructure for Spatial Information Act to data other than those covered by the Directive. This must be preceded by negotiations with the minister responsible for the relevant geodata
  - In collaboration with other public sector parties, the Minister for the Environment can determine which data sets should serve as the foundation for mapping and registration

This will make it possible to identify, specify and utilise jointly-agreed reference data
Coordination and collaboration

• To support implementation of Infrastructure for Spatial Information Act and the INSPIRE Directive, a number of collaborative fora exist:
  – *The spatial data infrastructure coordinating committee* will advise and assist the Ministry of the Environment and the National Survey and Cadastre in developing the transaction-oriented elements of the spatial data infrastructure
  – *The Danish INSPIRE coordination group* is a forum for authorities that are identified by the Infrastructure for Spatial Information Act. The group convenes at regular intervals to address such tasks as the coordination of official responses on the implementation of INSPIRE
  – *The INSPIRE network* is a forum for other parties that are interested in INSPIRE, including consultants, IT developers, universities and others
Coordinating committee

• Major public stakeholders + research + Danish Association for Geographic Information (NGO)
  – Representative from the Association of Regions
  – Representative from the Association of Municipalities
  – Ministry of Climate and Energy - Geological Survey
  – Ministry of Transport - Road Administration
  – Ministry of Economic and Business Affairs
  – Ministry of Food, Agriculture and Fisheries
  – Research – University of Aalborg
  – GEOFORUM Denmark
  – Ministry of the Environment - KMS (Chair)

• First meeting 3. May 2010
  – First task: approve Monitoring & Reporting for 2009
Access and use of reference data

• Two agreements came into effect, creating a foundation for the use of the National Survey and Cadastre’s data among central government authorities and Local authorities
  – Full access, based on a stakeholder sized share contribution
  – Increase in the public sector’s interests in applying spatial information
  – Simpler approach to collaboration than the former agreements
Integration of shared components

- Developments created to support the use of geodata in eGovernment
- Citizen.dk (Borger.dk), the Building and dwelling portal and others have integrated geo-related API’s:
  - “Show the location”
  - “Show the map”
  - AWS (Adresse Web Service)
Services using shared components

• Access to information on:
  • Municipalities and regions
  • Education
  • Health
  • Police and justice
  • Religion
  • Transport and travel
INSPIRE Service infrastructure

• Development of a Danish geoportal
  – Builds on existing KMS infrastructure where possible
  – An offer for the data owners to use
Challenges / Opportunities
Setting the scene – INSPIRE Denmark

• Public sector in Denmark
  – Several cuts in budgets
  – Demand for a more efficient public sector
  – More task – national goals and EU directives

• Limited coordination resources

• A limited number of technical staff allocated to INSPIRE implementation – both with the coordination body – and also with the data owners

• Limited budget allocated to INSPIRE
Challenges - INSPIRE

- Coordination of the INSPIRE implementation is a huge task and the scope of the coordination needed unprecedented within our field
- The transmission of knowledge is/will be difficult
- Annex I stakeholders awareness was/is difficult
- Annex II and III awareness will be even more challenging due to diversity of stakeholders
- Technical implementation will be challenging for stakeholders (data sets and services)
- The implementation will influence operational activities of each stakeholder
- Ensuring INSPIRE requirements to be aligned with other EU and national requirements – NO room for duplication of effort!
INSPIRE and eGovernment

This model illustrates spatial data infrastructure as a foundation for e-Government.
Link to eGov important

- 2009 CEDI (think tank) report
  - “GEODATA – On the verge of a breakthrough”
  - Factors:
    - Reform of Municipalities and Regions
    - Many eGov initiatives
    - INSPIRE directive transposition
  - Areas where implementation within the next years:
    - Citizen and industry related information
    - Administration
    - Strategic planning

*eGovernment is a vehicle for SDI*
Spatial Data Service Community

- The *reference architecture for the spatial data infrastructure* is an initiative on the part of the *Spatial Data Service community*
OIO (public information online)

• Part of the Danish government's transition to eGov

• Committee for spatial reference data
  – To develop eGov standards for INSPIRE annex I and II data and their associated services
  – To develop a Danish metadata profile
  – To identify additional reference data

• First draft specification available
The coordination picture

The Spatial Data Service Community

OIO committee reference data

WG

WG

Ministry of the Environment / National survey and cadastre

Other stakeholders

LMO monitoring

SDIG network

Spatial data infrastructure coordinating committee

eGov

SDI / INSPIRE
Summary
…between legislation and consensus

• We aim at merging the INSPIRE framework with eGovernment in a shared architecture, through:
  – Agreeing to common standards
  – Agreeing on common reference data
  – Building on existing SDI components – develop shared service components
  – Binding agreements and cooperation with commitment across the line of stakeholders
  – …keeping a close link to eGovernment developments
… to Inspire stakeholders

- Clear objectives, mandate and a legal framework – not forgetting:
  - Forums, networks and coordination
  - Working groups and workshops
  - Newsletters, web site etc.

- Many results stem from shared developments – supported by the official governance structure
  - Tasks have to make sense – ”need to have”
    - Ideally fit with other obligations
    - Have clear definitions, specification and implementation guidelines
  - No room for ”nice to have” ideas - the perfect is the enemy of the good
Thank you for your attention!

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