Bridging current gaps in addressing the environmental aspects in INSPIRE Annex II and III data specifications

European Environment Agency
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Motivation and setup of workshop

SEIS
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Based on experiences from previous INSPIRE involvement

- Collect views from INSPIRE conference participants

in order to:

- Provide further input to support our network (EIONET)

  (complementing our ”explaining dataspecifications and encourgaing commenting” workshop on June 16th

- Additionally define aspects of EEA engagement in INSPIRE
- Learn from needs and situations of other users / communities

Outcomes to be presented during Thursday conference event

EEA role in INSPIRE process

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- **INSPIRE Preparatory phase (2004 – 2006)**
  - Towards directive and start of preparation of Implementing Rules
- **Transposition phase (2007 – 2009)**
  - Directive transposition into national legislations
  - Implementing Rules development
- **Implementation phase (2009-2013)**
  - Implementing Rules development
  - Implementation and monitoring of measures

✓Defining spatial data needs for environmental issues

✓EEA/Eionet is a registered stakeholder (SDIC)

Commitment to INSPIRE

✓Providing reference material, user requirements; participating in workshops

✓Data spec.: member of Drafting Teams: DS, Metadata & Annex I TWGs: HY, PS

EXTENDED PARTICIPATION

✓Reference material, user requirements

✓Data specifications: member of Drafting Team DS & Annex II & III TWGs:7 TWGs

✓More involvement in consultations

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EEA role – INSPIRE: until 2013

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Development

Actively participating in INSPIRE data specifications development, especially:

- Members in 7 TWGs for data specifications Annex II/III
- Involvement in interoperability and harmonisation (DTDS, x-TWG)
- Facilitating the testing possibilities
- Participation in consultations and facilitating environmental thematic discussions

Implementation related to EEA-SDI

Metadata catalogue

- Basis for EEA metadata catalogue
- Activities for connecting metadata catalogues

Web services

- Based on EEA needs

Communication

- Information exchange with Eionet partners
- Integration with European environmental data centres
- Interrelationships with thematic areas, programmes, projects

INSPIRE data specifications - detailed current involvement

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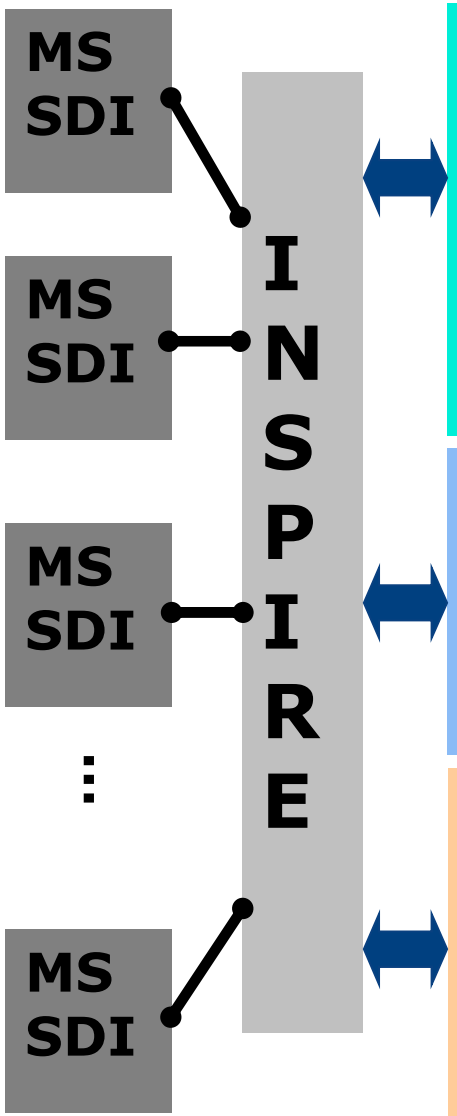
Providing high level and detailed European use cases

Continuing work on data specifications Annex II and III

- Coordinate EIONET SDIC
- Facilitate 3 thematic working groups (Environmental monitoring facilities, Area management, Environment and health)
- Member (through ETCs and own staff) in TWGs related to Air, Water, Biodiversity and Land
- Participate in Data Specification Drafting Team

Consultation of first drafts with the EIONET in June 2011

EEA role – INSPIRE: beyond 2013



Development

- Strengthening the EEA-SDI as a node in ESDI and sharing (pan)European spatial data sets
- Improving environmental data flows and reporting mechanism (spatial information)
- Connecting SDIs

Implementation (in scope of EEA-SDI)

- Extended reference versions of thematic environmental data ((pan)European)
- Operational services

Communication

- Addressing cross-domain requirements
- Co-relations: INSPIRE, SEIS, GMES, GEOSS, …
- Feedback to INSPIRE on thematic extensions, updated environmental needs (data, services)

Scope of INSPIRE spatial data themes and environmental issues

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INSPIRE Directive defines the **definition of spatial data themes** in Annexes I, II and III

INSPIRE guidelines for spatial data themes (data specifications) complements the definition of the theme by describing details about the **scope of the theme** and arguments what is in or out of the scope

Challenges in forming the scope:

- Understanding the definition of the INSPIRE themes
- Proper input to describe the scope of the themes within the INSPIRE Directive
- Focus on environmental topics and supporting the environmental policies

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Differences in the viewpoints

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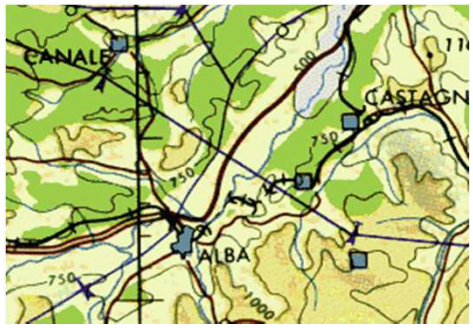
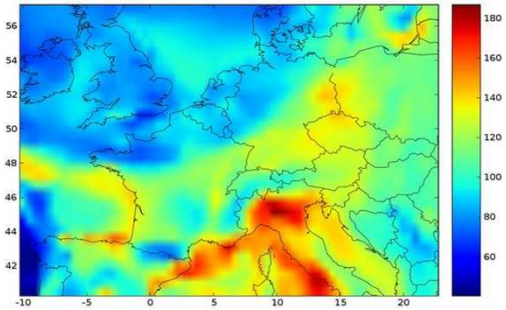
Different views on the same phenomena important for different purposes (scientific, administration / management, reporting, etc.)

Basic approach into modelling: object oriented or coverage view

Topographic view, object oriented, relatively stable phenomena, long mapping tradition



Very often coverage view, function of values, phenomena oriented, dynamic



Cross-cutting demands of environmental issues: between different environmental areas or one environmental topic might be related to several INSPIRE themes (or their parts)

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Modelling approaches: generic vs. explicit

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GENERIC APPROACH (model)

- To cover wide range of types (phenomena, objects)
- To cover diverse cross-cutting possibilities
- Less details (properties), small or no pre-defined code-lists
- Examples in INSPIRE data specifications: Environmental monitoring facilities, Area management, Sea regions, Observations and measurements, …

EXPLICIT APPROACH (model)

- Suitable for well known specific requirements (static object oriented view)
- More explicit details (properties), well-defined code lists
- Examples in INSPIRE data specifications: Cadastral parcels, Transport networks, Buildings, facilities (in different data specifications), …

How can the environmental community become further active?

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Important to provide **feedback** in the next steps of INSPIRE Annex II and III data specifications development:

- Commenting and testing of the draft 2.0 data specifications
- Comment on all issues: thematic / environmental issues and technical issues

Use spatial data infrastructures in the tasks related to the environmental policies (role as data users and as data providers)

Extend the data specifications into specific thematic / environmental topics

Points for todays workshop discussion - Items to be collected for further work

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- Compare and learn about experiences (with Annex I and work in Annex II and III TWGs)
- Identify key issues / methodological questions ...
- Check needs for training/availability of training to enable commenting
- Reflect feasibility of commenting within the given timeframe
- Learn about evt. expectations towards EEA
- Identify the role of environmental vs. other communities in countries
- Collect comments on wider aspects than data specifications
- Identify actions to bridge available gaps