Metadata a la INSPIRE

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Agenda

- Organisation
- Relation to the formal standardisation work
- Status of the work
- What have been achieved
- Suitability for the Nordic countries
- Joint Nordic support durring the implementation phase

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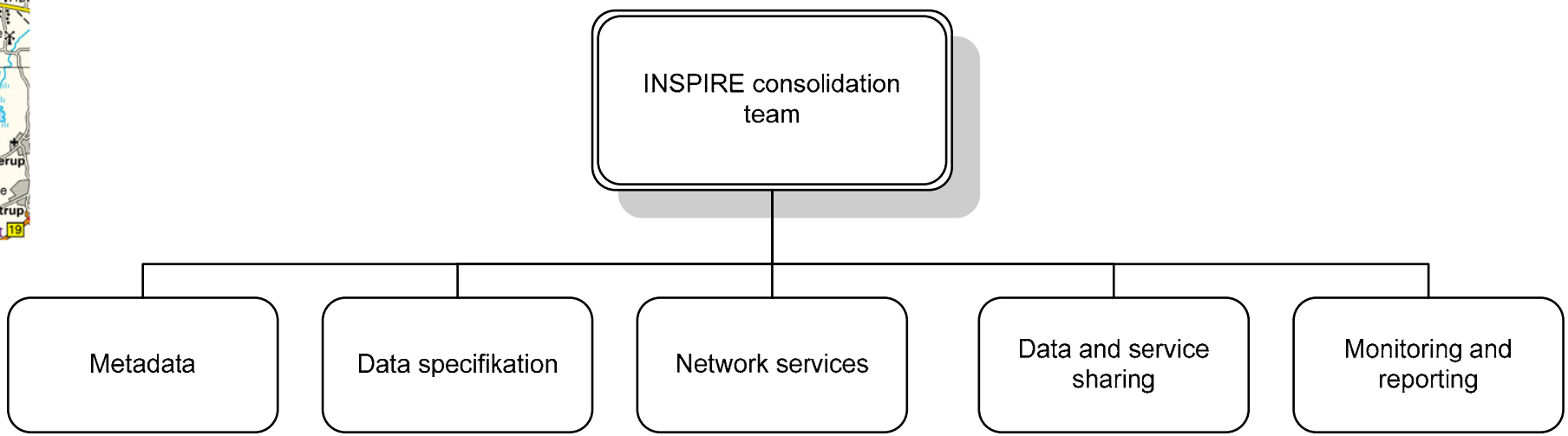
Organisation



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Consolidation team

- To coordinate and support DTs' activities
  - ensuring coherence between different IRs
  - final edit harmonised draft IRs
  - coordinating Pilot and Prototype projects
  - coordinating the review processes
  - ensuring communication
- To coordinate with the SDIC and LMO
- To follow the link to other directives under preparation and to link to legal services of the EC
- To ensure feedback from the co-decision process

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Drafting team

- To analyse and review the reference material
- To write the technical annexes for the draft INSPIRE Implementing Rules
- To provide recommendations to the CT (in case of conflicting technical specifications)
- To provide suggestions to the CT for testing any proposed specification

Scope for Metadata DT

- The metadata IR shall be in conformance with:
  - International standards
  - Current practice in stakeholder communities
  - Relevant EU initiatives
- Stepwise implementation focusing on
  - Discovery metadata linked to the INSPIRE annexes
  - Enrichment of metadata for evaluation and use based on revealed demands
- The INSPIRE proposal requires updated metadata for spatial data and services

The relation to the formal standardisation

- Is there a hierarchy of documents?
  - ISO/TC211 produces international standards
  - CEN/TC287 produces European standards
  - INSPIRE produces implementation rules

The relation to the formal standardisation

INSPIRE or CEN/TC287 identifies requirements and inform each other

INSPIRE develops IR's, based on existing EN-ISO standards

CEN/TC287 implement rules in standards, whenever possible in parallel processing

ISO/TC211 develops standards, whenever possible in parallel with CEN/TC287

INSPIRE updates IR, according to new standards

INSPIRE

CEN/TC287

ISO/TC211

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The relation to the formal standardisation

- Relation to ISO/TC211 through JRC and National Standardisation Bodies
  - ISO standards made freely avaliable to INSPIRE
- Relation to CEN/TC287 through JRC and National Standardisation Bodies
  - WG5 Subgroup for metadata – European Core profile for discovery used as input to INSPIRE
- Joint INSPIRE - CEN/TC287 WG5 meeting

Status of the work

- Draft proposal
  - ✓ Internal review among the DT
    - Few changes
  - ✓ Review among the DT's
    - Editing meeting last week
    - Few changes
  - Review among LMO's and SDIC's
    - To come

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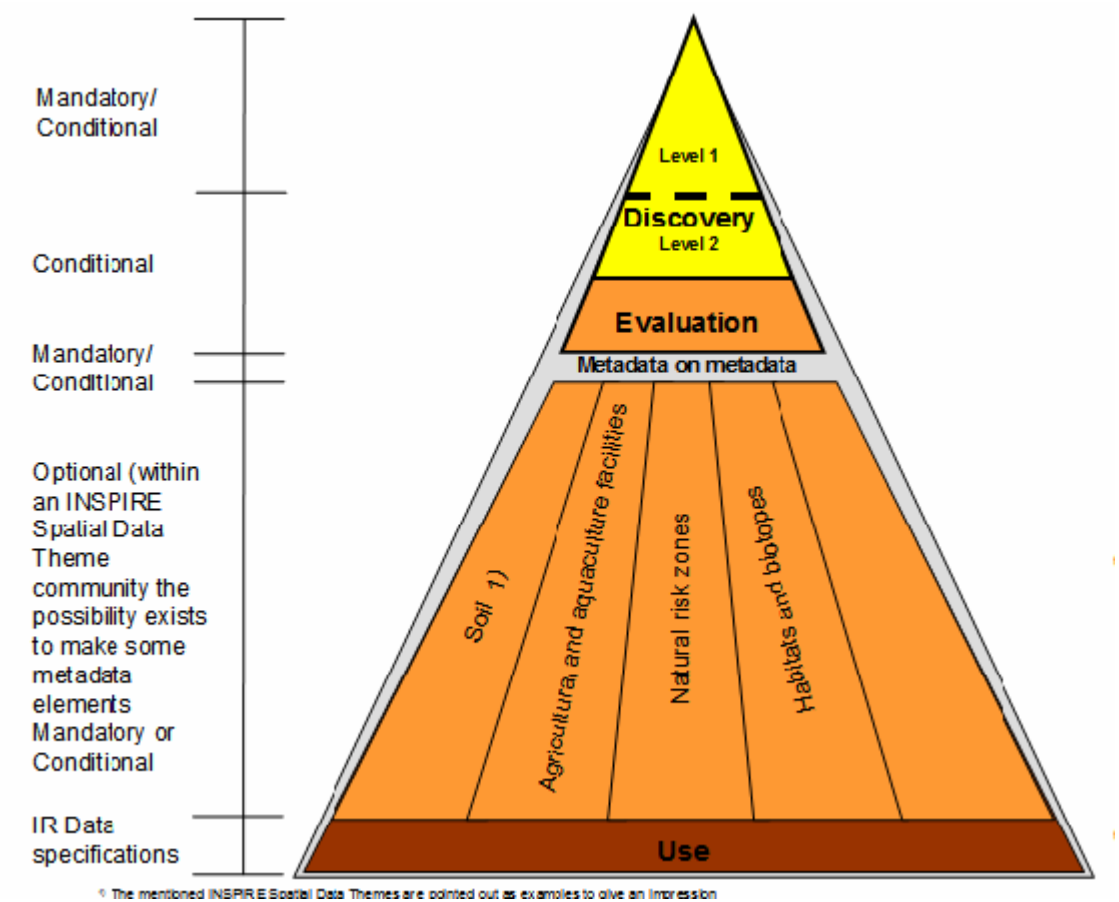
What have been achieved so far

- Two levels of discovery metadata have been defined
  - **Discovery level 1** elements are metadata that provide basic and essential descriptions of a resource
  - **Discovery level 2** elements are metadata that describe a resource in more detail. Level 2 elements are not essential for the first response. They give additional information about a resource as specified in Article 8 and 18 of the INSPIRE directive or are essential for an evaluation of the metadata information itself.
- Metadata on metadata have been defined
- Mapping towards ISO 19115 and Dublin Core

Two levels of metadata



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Listing of discovery metadata element level 1

- Ressource title
- Reference date
- *Geographic extent of the ressource*
- *Ressource language*
- *Ressource topic category*
- Keyword
- Spatial resolution
- *Service type*
- Ressource responsible party
- Abstract
- *Ressource locator*

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Listing of discovery metadata element level 2

- *Constraints*
- *Lineage*
- *Service type version*
- *Operation name*
- *Distributed computing platform*
- *Ressource Identifier*

Metadata on metadata

- *Metadata standard name*
- *Metadata point of contact*
- Metadata datestamp
- Metadata language

Example

Metadata element name	Ressource title
ISO definition	Language(s) used within the datasets
ISO 19115 number and name	39 language
ISO TS 19139 path	MD_Metadata.identificationInfo>MD_DataIdentification.language
INSPIRE obligation/ Condition	C (mandatory when there is textual information in the ressource)
INSPIRE multiplicity	[0..*]
Data type	Codelist
Domain	Free text (prefereble use of ISO 639-2 but other parts may be used)
Implementation instructions	Memberstates should check if their language is represented on this list
Example	Dut, nor
Comment	In the case INSPIRE the concepts datasets can in this case be extended to also cover services. I.e. the definition of the element is: Language(s) used within the ressource

Suitability for the Nordic countries

- A starting point for metadata catalogue services in the Nordic countries

- The challenge will be metadata for services

Joint Nordic support during the implementation phase

- Develop best practice guidelines for metadata
- Set up test beds for exchanging and harvesting metadata
- Set up a Nordic network of metadata specialist and managers
- Joint collaboration on making proposal for changes and amendment to ISO 19115
- Create examples for the thematic datasets from the annexes

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Bon apetit

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