



INSPIRE Data specification development

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EC-JRC INSPIRE Data Specification Team

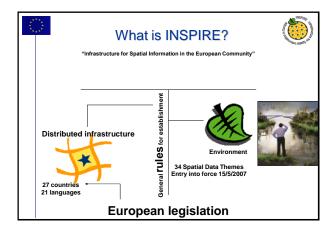


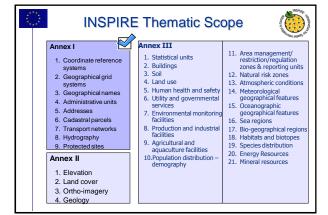
Outline

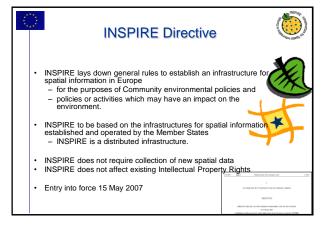


- INSPIRE aim & scope
 - · Implementing Rules and activities overview
 - · Data specifications development
 - · Methodology for data specification
 - · Stakeholder participation, communication
 - Challenges (Annex II&III)





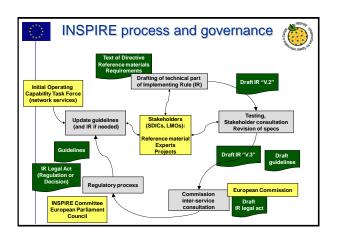


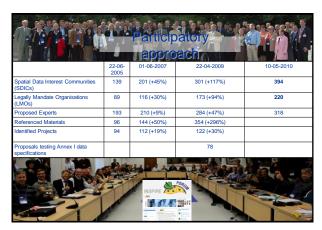




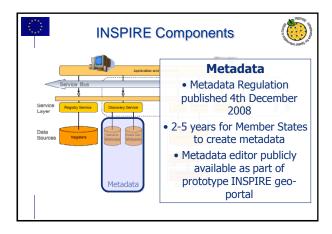


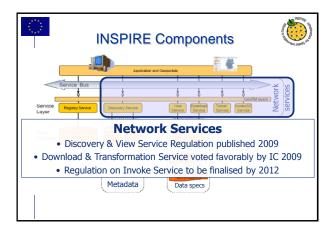
- INSPIRE is a Framework Directive
- Detailed technical provisions are (will be) laid down in Implementing Rules on
 - Metadata
 - Interoperability of spatial data sets and services
 - Network services (discovery, view, download, invoke)
 - Data and Service sharing (policy)
 - Coordination and measures for Monitoring & Reporting

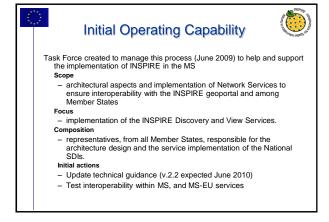


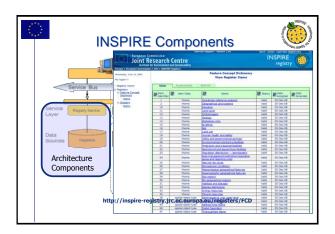




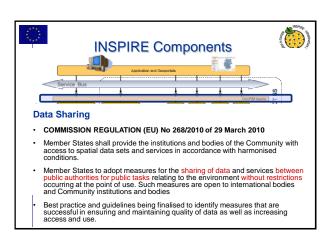


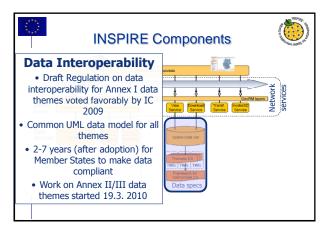




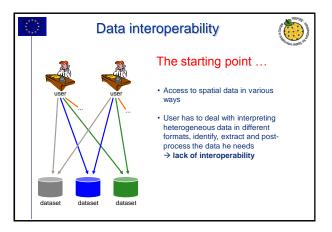










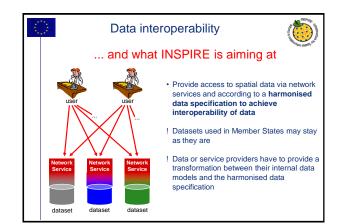


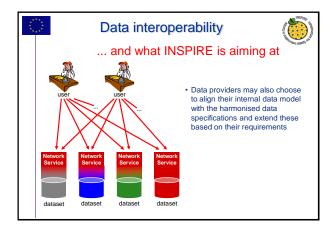


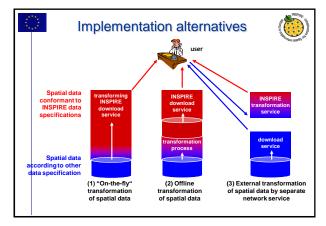
Key requirements in the INSPIRE Directive

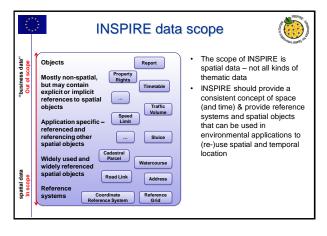


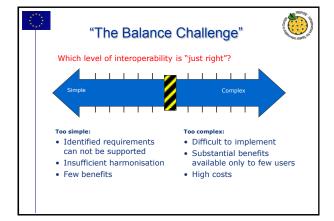
- · Article 7(1) requires:
 - "Implementing rules laying down technical arrangements for the interoperability and, where practicable, harmonisation of spatial data sets and services, [...]"
- Article 3(7):
 - "'interoperability' means the possibility for spatial data sets to be combined, and for services to interact, without repetitive manual intervention, in such a way that the **result is coherent** and the added value of the data sets and services is enhanced"











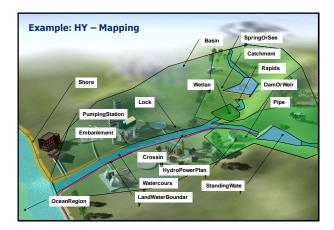


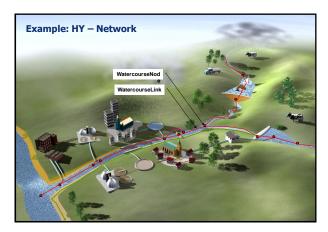
Extensions by Member States or information communities

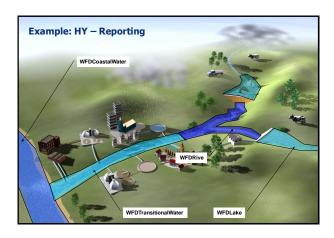


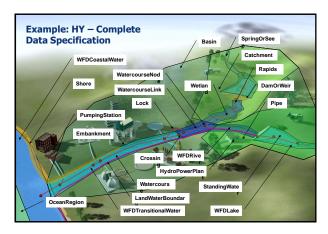
- INSPIRE data specifications are not intended to cover all kinds of data requirements
 - Legally Mandated Organisations in Member States will typically maintain more data than covered by INSPIRE data specifications
 - Focus is on the spatial aspects
- Member States are encouraged to re-use the INSPIRE data specifications for their own usage
 - Extend spatial object types and add new properties
 - Specify additional constraints applicable to the own data sets
 - Re-use of INSPIRE objects to spatially enable application data

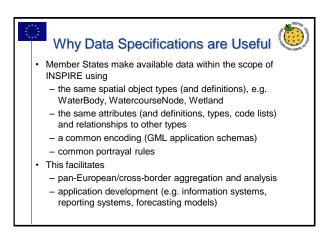


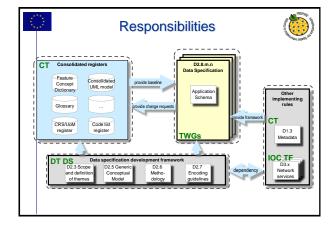


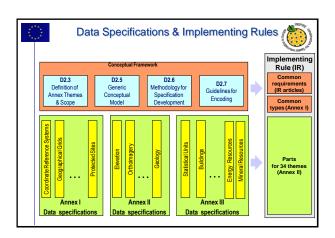


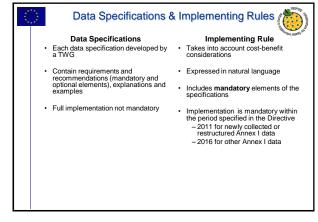


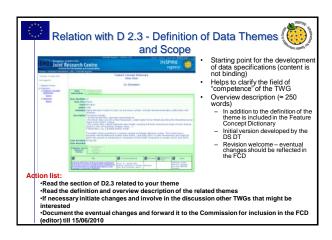


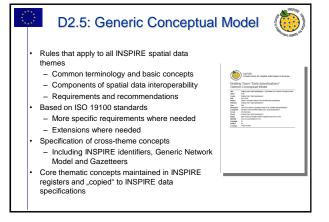


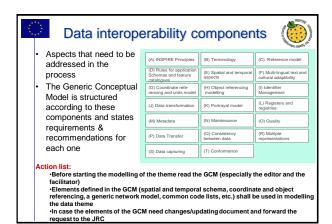


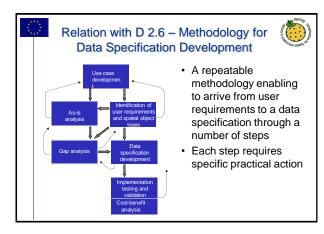


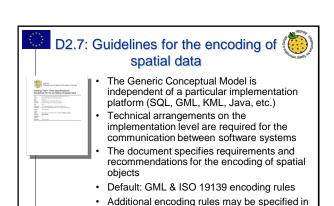






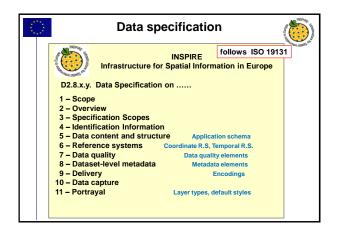


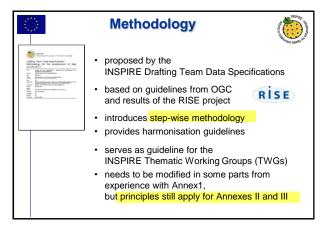


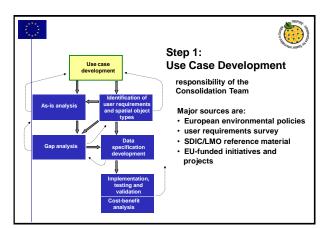


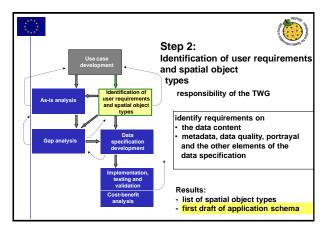
data specifications

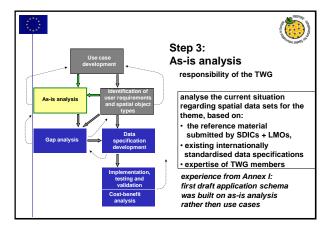


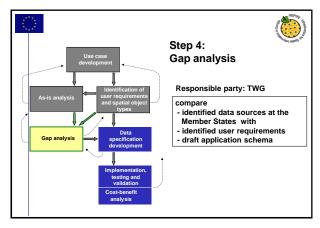


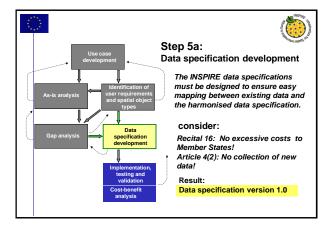


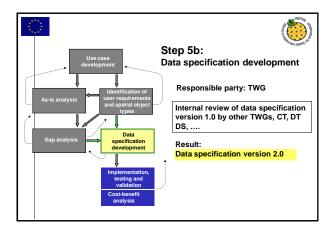


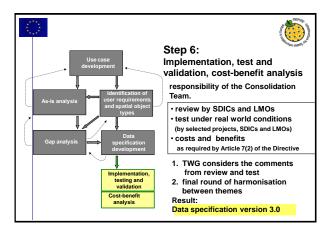


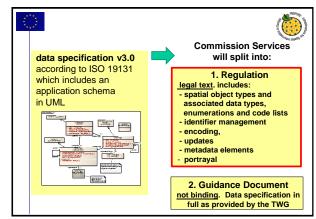














Data specifications - Annex I.



Eight Thematic Working Groups (TWG):

- Kick-off meeting in February 2008
- Data specifications v1.0 for Themes of Annex I in spring 2008, based on:
- ✓ User requirements,
- √ Reference material from stakeholders,
- √ Standards and international initiatives
- ✓ Relevant use cases
- √ Supported by the relevant registers
- √ Feasibility and cost benefit considerations
- ✓ Testing results
- Internal Consultation (E.C. INSPIRE Team, Drafting Teams)



Cross-theme topics as a result of consultation and testing (1/2)



- · Theme complexity / simplification
- · Consistency between data specifications, e.g.
 - Metadata and data quality
 - Identifiers and spatial object life-cycle
 - Portrayal
 - Abstract test suite
 - Phrasing of definitions (normative) and descriptions (informative)
 - Common attributes (names, definitions)
- · Modelling practices
 - Bi-directional vs uni-directional associations
 - Initial models for Annex II/III themes
 - Placeholder types as stubs for Annex II/III work



Cross-theme topics as a result of consultation and testing (2/2)



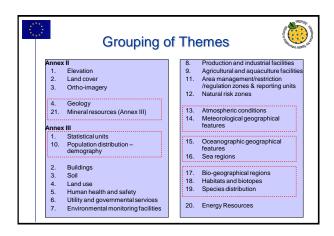
- · Clarifications on the distinction between
 - Missing information about a property (void)
 - Property does not apply (empty value set)
- · Spatial resolution vs. level of detail
- · Generic Network Model
- Encoding

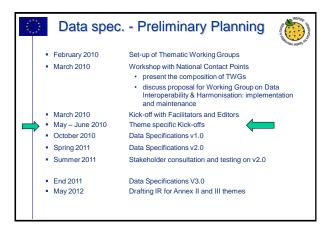


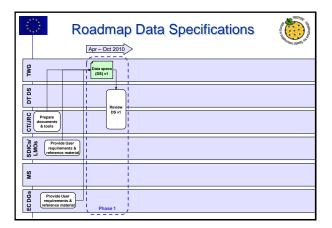
Data spec. Annex II, III statistics

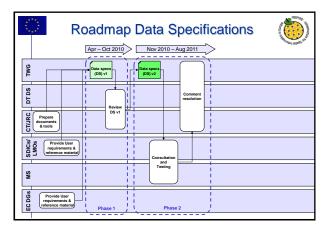


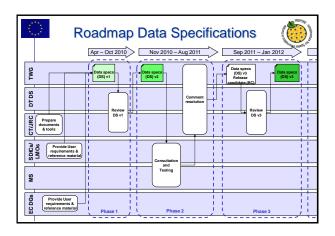
- Call for manifestation of interest was launched on 05/11 2009
 - > 318 experts proposed by 50 LMOs and 51 SDICs
 - > 23 countries (2 selected experts from CR)
- Setting up 19 Thematic Working Groups, some themes grouped under the same TWG
- Potentially 30 Facilitators and Editors in-kind contribution and 167 domain experts at present
- Excellent results showing the continued commitment and dedication of stakeholders

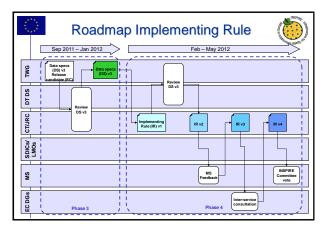




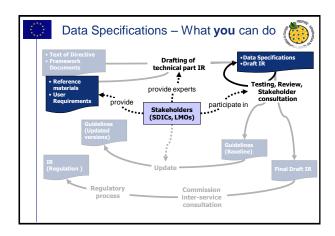














Communication Platforms		
Platform	Main purpose	Accessibility
CIRCA	Document management system – for storing the final versions of documents	EC, TWGs, Drafting Team
JIRA	Issue tracking system for cross-theme and theme specific discussions. Also serves as a decision repository and comment resolution.	TWGs, EC INSPIRE team, Drafting Team (SDICs/LMOs car create also issues
INSPIRE Forum	External discussion platform to involve all potential stakeholders in the INSPIRE data specification development	Public, registered users



