



# INSPIRE progress

## INSPIRE conference 2008

Implementation and beyond  
Maribor, Slovenia, 23-25 June 2008

EC INSPIRE Team  
European Commission

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# Where we are now?

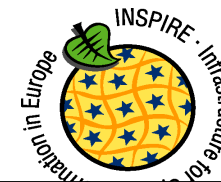


- **Preparatory phase (2004-2006)**
  - Co-decision procedure
  - Start of preparation of Implementing Rules
- **Transposition phase (2007-2009)**
  - Directive entered into force **15 May 2007**
  - INSPIRE committee starts its activities **26 June 2007**
  - Continuation of preparation of Implementing Rules
  - 2<sup>nd</sup> meeting of the INSPIRE committee on **14 May 2008**
  - Transposition into national legislation **by 15 May 2009**
  - Adoption of Implementing Rules by Comitology
- **Implementation phase (2009-2013)**
  - Implementation and monitoring of measures
  - Continuation of preparation of Implementing Rules
  - Adoption of Implementing Rules by Comitology





# Excerpt from Roadmap (adoption)



Milestone date	Article	Description
2007-05-15		<i>Entry into force of INSPIRE Directive</i>
2008-05-15	5§4	Adoption of IR for the creation and updating of metadata
2008-11-15*	21(4)	Adoption of IR for monitoring and reporting
2008-11-15*	16	Adoption of IR for discovery and view services
2009-05-15*	16	Adoption of IR for download services
2009-05-15*	16(a)	Adoption of IR for coordinates transformation service
2009-05-15*	17(8)	Adoption of IR governing the access rights of use to spatial data sets and services for Community institutions and bodies
2009-05-15	9(a)	Adoption of IRs for the interoperability and harmonisation of spatial data sets and services for Annex I spatial data themes
2009-05-15	24§1	<i>Provisions of Directive are brought into force in MS</i>
2010-11-15*	16	Adoption of IR for schema transformation and “invoke spatial data services” services
2012-05-15	9(b)	Adoption of the IR s for the interoperability and harmonization of spatial data sets and services for Annex II and III

\* = date proposed by Commission



## Excerpt from Roadmap (Implementation)



Milestone date	Article	Description
2010-05-15	21§1	Implementation of provisions for monitoring
2010-05-15	6(a)	Metadata available for spatial data in Annex I and II
2010-11-15*	15	The EC establishes and runs a geo-portal at Community level
2010-11-15*	16	Discovery and view services operational
2011-05-15*	16	Download services operational
2011-05-15*	16(a)	Coordinates transformation services operational
2011-05-15	7§3, 9(a)	Newly collected/ restructured Annex I spatial data sets available
2012-11-15*	16	Schema transformation and “invoke spatial data services” services operational
2013-05-15	6(b)	Metadata available for spatial data corresponding to Annex III
2014-05-15	7§3, 9(b)	Newly collected/restructured Annex II/III spatial data sets available
2016-05-15	7§3, 9(a)	Other Annex I spatial data sets available
2019-05-15	7§3, 9(b)	Other Annex II and III spatial data sets available

\* = date proposed by Commission



# The Implementing Rules on Metadata: the full story



- Call for experts March 2005
- Drafting Teams established in October 2005
- Draft IR for Metadata published on 2nd Feb. 2007 based on requirement of Directive, review of existing material submitted by SDICS and LMOs, international standards, and drafting team knowledge.
- Open for comments by SDICs and LMOs over an 8 week period. 1200 comments received.
- DT analyzed comments and made recommendations to Commission in August 2007.
- Commission prepared its own draft proposal based on inputs received, open for public consultation in October 2007 for 8 weeks
- Interservice consultation 14/3 – 9/4/2008
- **Unanimous positive opinion of the INSPIRE Committee on 14th May 2008**



# Metadata Implementing Rules



- Result of extensive collaborative work between Drafting Team, Commission, and stakeholders through 2005-07.
- Proposal for a Regulation unanimously approved by INSPIRE Regulatory Committee on 14/5/2008.
- European Parliament completed its scrutiny on 18/6/2008. Formal adoption by the Commission now started.
- Expected adoption Summer 2008.



# Key features



- Focus on Discovery and elements needed to implement the requirements of the Directive and allow interoperability through standards
- Non-binding guidelines that allow conformance with EN ISO 19115 (data) and EN ISO 19119 (services) + interoperability with e-government through ISO 15836.
- Technical coherence with standards tested with MD on-line Editor freely available via EU Geoportal



# Metadata editor



Untitled Document - Windows Internet Explorer

INSPIRE Geoportal  
the EU portal for Geographic Information

JRC  
EUROPEAN COMMISSION

Save local Start page Validate

**Identification** Classification Keyword Geographic Temporal Quality&Validity Conformity Constraints Organization Metadata

Identification

**Resource title**

**Abstract**

**Resource Type** dataset

**Resource Locator**

Add Remove Selected

**Unique resource identifier**

Code   
Codespace

Add Remove Selected

**Language**

Remove Selected

--- please choose --- Add

Local intranet 100%





# IRs on the interoperability and harmonisation of spatial data sets and services



- The development of INSPIRE Implementing rules for the interoperability and, where practicable, harmonisation of spatial data sets and services follow a two-step approach:
  - Development of conceptual framework and specification methodology:
    - Definition of Annex Themes and Scope
    - Generic Conceptual Model (GCM),
    - Methodology for Specification Development.
    - Guidelines for Encoding
  - Development of data specifications for each data theme based on the
    - conceptual framework
    - common specification development methodology
    - and on the INSPIRE roadmap



# Thematic Working Groups: Annex I



## Annex I

1. Coordinate reference systems
2. Geographical grid systems
3. Geographical names
4. Administrative units
5. Addresses
6. Cadastral parcels
7. Transport networks
8. Hydrography
9. Protected sites

- Kick-off meeting on 14-15 February 2008
- 60+ experts in 8 TWGs (I.1 and I.2 addressed in one TWG)
- Outcome of work will be INSPIRE data specifications



# Detailed roadmap



Description	Start	End
Task 1: User requirements and use cases	2008-03	2008-09
Task 2: Analysis of the relevant reference materials	2008-02	2008-05
Task 3: "As-is" analysis according to the methodology in D2.6	2008-06	2008-09
Task 4: Gap analysis according to the methodology in D2.6	2008-06	2008-09
Task 5: Drafting data specification of Annex I data themes	2008-05	2009-03
Task 6: Testing of draft data specifications for themes	2008-06	2009-03
Task 7: Preparation and adoption of IR for the interoperability and harmonisation of spatial data sets and services for Annex I spatial data themes	2009-02	2009-05



# IRs on Network services



- An INSPIRE Architecture is proposed to integrate INSPIRE services, e-commerce and DRM components,
- INSPIRE services shall be Web Services (W3C) using the SOAP protocol to exchange messages, and WSDL language to describe the services

INSPIRE Services	Based on:	IR Status
Discovery services	OGC Catalogue service, with the ISO Application Profile : OGC CS-W 2.0 ISO AP	Draft IR has been reviewed by SDIC / LMO => Final draft: July 2008
View services	Web Map Service : ISO 19128 WMS 1.3	
Download services	- OGC Web Feature Service (ISO 19142), - OGC Web Coverage Service, - HTTP File download	Draft IR to be reviewed by SDIC / LMO => Final draft: TBD
Transformation services	Functions of a Web Processing Service (OGC WPS): - Coordinate transformation services	Draft IR for a SDIC / LMO review 2008 => Final draft: TBD
	- Schema transformation services	First draft in 2008
Invoke services	- Chaining services : BPEL (Business Process Execution Language form OASIS)	First draft in 2008



# How IRs (will) look like?



- EC Regulations (even if other forms could be possible)
- Deadline for implementation set in the INSPIRE Directive or directly in the legal act
- Published, as the Directive, on the OJ in all official languages
- If Regulations, directly applicable without transposition into National legislation
- Distinction between proper legal act and accompanying guidelines
- Taking into account as much as possible (but avoiding formal binding to) evolving standards



# Relationships between Implementing Rules and guidelines



- Balance required between
  - High level of detail to guarantee interoperability
  - Flexibility to quickly fix things that don't work without having to go through the Regulatory Process
- Distinguish between IRs and guidelines
  - IRs (legally binding) to focus on stable elements (What to do)
  - Guidelines to provide the implementation details (How to do)
- Decision on what becomes part of legal text, and what will become guidelines is responsibility of Commission
- Decision will be made in consultation with Drafting Teams and Thematic Working Groups
- Guidelines will be published as official documents by the Commission



# Standards



- Commission maintains strong liaison relationship with CEN/TC 287, ISO/TC 211, and OGC
- European Committee for Standardisation (CEN) can support IR development process by adopting relevant standards and Technical Reports
  - Potential role for CEN/TC 287 identified in INSPIRE Work Programme 2007-2009
  - CEN/TC 287 has welcomed this role (e.g., business plan, resolution 124 to support work of INSPIRE, 143 to establish an Ad hoc group on metadata for discovery)
- European Committee for Standardisation (CEN) may turn guidelines into European standards



# The INSPIRE transposition



- Deadline: 15 May 2009
- Most countries already preparing legal acts to be submitted to National Parliaments
- Accompanying measures from the EC:
  - Workshop on the Legislative Transposition of the INSPIRE Directive, 15-16 April 2008
  - Advice on request on transposition issues
  - This Conference ...





# The INSPIRE Contact Points



- Nominations ongoing
- Need for (non binding) definition of CP tasks
  - Draft proposal from the EC submitted to Contact Points in May 2008
    - Reporting implementation and use of the SDI to the EC
    - Connect with the MS coordinating structures and mechanisms
    - Cooperate in ensuring the flow of information between MS and EC for the development of the INSPIRE Implementing Rules
    - Facilitate monitoring and reporting activities
    - ...
  - Workshop next Wednesday 25 June



# ...and where to find information?



**INSPIRE DIRECTIVE**  
Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) was published in the Official Journal on the 29th April 2007. The INSPIRE Directive entered into force on the 16th May 2007.  
Full text of the directive (EN)  
The directive is available in the official languages.  
Official Journal of the European Union

**Headline News**  
June 5, 2008  
On May 14th, the INSPIRE Regulatory Committee unanimously expressed its favorable opinion on the INSPIRE Implementing Rules on Metadata proposed by the Commission. The proposal has been updated on the Comitology Register.  
The proposal is still subject to comments from the European Parliament, final adoption procedure and publication in the Official Journal.

**NEWS**  
19 Jun 08 INSPIRE Conference Theme Session  
14 May 08 INSPIRE Implementing Rules on Metadata adopted by INSPIRE Committee  
16 May 08 INSPIRE Conference 2008 Programme published

**SDIGs and LMOs**  
Registered SDIGs and LMOs can add new reference material and projects to the implementing Rules Developmental databases.  
Dead More

**NEWS**  
19 Jun 08 INSPIRE Conference Theme Session  
14 May 08 INSPIRE Implementing Rules on Metadata adopted by INSPIRE Committee  
16 May 08 INSPIRE Conference 2008 Programme published

**CONTACTS**  
To register INSPIRE metadata elements using ISO 19136 (UDDI) Copy is available here.  
May 14, 2008  
INSPIRE Implementing Rules on Metadata adopted by INSPIRE Committee  
It is with pleasure that we can inform you that the INSPIRE Implementing Rules on Metadata has been approved by the INSPIRE Committee. The Rules will now be sent to the European Parliament which will have one month time to comment, after which the adoption procedure will start.

The INSPIRE web site

Welcome to the European Union's INSPIRE Geoportal - Microsoft Internet Explorer provided by European Commission

**INSPIRE Geoportal**  
the EU Portal for Geographic Information

**INSPIRE Community Geoportal**  
Welcome  
The INSPIRE Community Geoportal is Europe's Internet access point to a collection of geographic data and services within the framework of the Infrastructure for Spatial Information in Europe (INSPIRE) Directive. INSPIRE aims at making available relevant, harmonised and quality geographic information to support formulation, implementation, monitoring and evaluation of policies and activities which have a direct or indirect impact on the environment.  
The geoportal does not store or maintain the data. It acts as a gateway to geographic data and services distributed around Europe, allowing users to search, view or subject to access restrictions, download geographic data or use available services to derive information.

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18 (06/2008): Commission Directive 2008/61/EC of 17 June 2008 establishing the conditions under which certain harmful organisms, plants, plant products and other objects listed in Annexes I to V to Council Directive 2002/95/EC may be introduced into or moved within the Community or certain protected zones thereof, for trial or scientific purposes and for work on special selections (Codified version) > pdf  
18 (06/2008): 2008/C 153/01: Special report No 3/2008 — The European Union Financial Fund: how rapid, efficient and flexible is it? Together with the Commission's replies > pdf  
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