



Infrastructure for Spatial Information in Europe

INSPIRE

Implementing rules on Metadata

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- Reminder of what INSPIRE is about
- Metadata Implementing Rules
- Network services
- Initial Operating Capability
- INSPIRE geoportal







- INSPIRE lays down general rules to establish an infrastructure for spatial information in Europe
 - for the purposes of Community environmental policies and
 - policies or activities which may have an impact on the environment.
- INSPIRE to be based on the infrastructures for spatial information established and operated by the Member States
 - INSPIRE is a distributed infrastructure.
- INSPIRE does not require collection of new spatial data
- INSPIRE does not affect existing Intellectual Property Rights
- Entry into force 15 May 2007

25.4.2007	EN	Official Journal of the European Union	L 108/1
		I	
	(Acts	adopted under the EC Treaty/Euratom Treaty whose publication is obligatory)	
		DIRECTIVES	
	DIRECTIVE	2007/2/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL	
		of 14 March 2007	
	establishing an I	nfrastructure for Spatial Information in the European Community (INSPIRE	.)





- Legal obligation to start sharing of spatial data and spatial data services that are in the scope of INSPIRE on 15 May 2009
 - Irrespective of any Implementing Rules that may exist or that are under development







- Metadata
- Interoperability of spatial data sets and services
- Network services (discovery, view, download, invoke)
 - Made available through the European geo-portal
- Data and Service sharing (policy)
- Coordination and measures for Monitoring & Reporting



INSPIRE is a *Framework Directive*:

Detailed technical provisions for the issues above will be laid down in <u>Implementing Rules</u>

Once adopted, Implementing Rules become European legislative acts and national law in 27 Member States and in some EFTA countries



From Commission proposal to Community Directive implementation



- 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
 - Transposition into national legislation
 - 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		Entry into force of INSPIRE Directive			
2008-05-15	5§4	Submission for opinion of the INSPIRE committee of IR for the creation and updating of metadata			
2008-11-15*	21(4)	Submission for opinion of the INSPIRE committee of IR for monitoring and reporting			
2008-11-15*	16	Submission for opinion of the INSPIRE committee of IR for discovery and view services			
2009-05-15*	17(8)	Submission for opinion of the INSPIRE committee of IR governing the access rights of use to spatial data sets and services for Community institutions and bodies			
2009-05-15	24§1	Provisions of Directive are brought into force in MS			
2009-10-15*	16	Submission for opinion of the INSPIRE committee of IR for download services			
2009-10-15*	16(a)	Submission for opinion of the INSPIRE committee of IR for transformation service			
2009-tbd **	9(a)	Submission for opinion of the INSPIRE committee of IRs for the interoperability and harmonisation of spatial data sets and services for Annex I spatial data themes			
2010-11-15*	16	Submission for opinion of the INSPIRE committee of IR for schema transformation and "invoke spatial data services" services			
2012-05-15	9(b)	Submission for opinion of the IR s for the interoperability and harmonization of spatial data sets and services for Annex II and III			



Excerpt from Roadmap (Implementation)



Milestone date	Article	Description
2010-05-15	21§1	Implementation of provisions for monitoring
2010-12-24	6(a)	Metadata available for spatial data corresponding to Annex I and II
2010-12-15*	16	Discovery and view services operational
2010-05-15	15	The EC establishes and runs a geo-portal at Community level
2011-05-15*	16	Download services operational
2010-05-15*	16(a)	Transformation services operational
2011-tbd	7§3, 9(a)	Newly collected and extensively restructured Annex I spatial data sets available
2012-11-15*	16	Schema Transformation and invoke "spatial data service" 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 and extensively restructured Annex II and 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



Implementing Rules on Metadata



- Result of extensive collaborative work between Drafting Team, Commission, and stakeholders through 2005-07.
- Proposal for a Regulation unanimously approved by INSPIRE Regulatory Committee on14/5/2008.
- European Parliament completed its scrutiny on 18/6/2008.
- Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata
- Published in the Official Journal on 4 December 2008, entry into force on 24 December 2008
- Non-binding guidelines for Metadata Implementing Rules using EN ISO 19115/19119
- Already transposed in WISE GIS Guidance Document version 2:
 - Chapter 5.5. Metadata Implementation
 - Appendix with revised WISE Metadata Profile

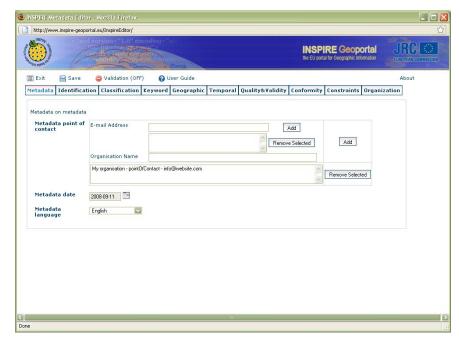
L 326/12	EN		Official Journal of the European Union			4.12.3	2008
		COMM		GULATION (EC) No	1205/2008		
	malamanting Direc	time 2007/2		December 2008 European Parliamen	t and of the	. Council or recorde	
	inprementing Direc	ave 200/12	fice of the	metadata	t and of the	e council as regards	
			(Text	with EEA relevance)			
	ON OF THE EUROPEA d to the Treaty			and do docum with standa sean interes guideli	ses not preclud ent the infor additional ele rds or workin t. Nor does i nes establishe	o comply with Directive 2007/ le the possibility for organisation mation resources more extens ments derived from internat g practices in their communit t preclude the possibility to a d and kept up to date by uficialar when it is necessary	ivel iona y o dop the
			Reference	Metadata elements	Multiplicity		
			1.1	Resource title	1		
	d to Directive 20 d of the Council of	or laise of	1.2	Resource abstract	1		data
an Infrastruct	ture for Spatial Information	ormation i	1.3	Resource type	1	Martin in The International	d te cacl
Community_II	noninal III and in na	inticular_Art	1.4	Resource locator	0*	Mandatory if a URL is available to obtain more information on the resource, and/or access related services.	cate
			1.5	Unique resource identifier	1*		
			1.7	Resource language	0*	Mandatory if the resource includes textual information.	
		ļ	2.1	Topic category	1*		
			3	Keyword	1*		
			4.1	Geographic bounding box	1*		
		[5	Temporal reference	1*		
			6.1	Lineage	1		
			6.2	Spatial resolution	0*	Mandatory for data sets and data set series if an equivalent scale or a resolution distance can be specified.	
			7	Conformity	1*		
			8.1	Conditions for access and use	1*		
			8.2	Limitations on public access	1*		
		1	9	Responsible organisation	1*		
			-				
			10.1	Metadata point of contac	t 1*		







- Metadata editor publicly available as part of prototype INSPIRE geo-portal
 - to test that IRs and Guidelines are technically coherent and compliant with ISO standards
 - as publicly available internet based facility for MS to create metadata compliant with IRs
 - plan to develop Multilingual Open Source version so that it can be downloaded by users and extended by thematic communities
 - exp. December 2009









- Implementing Rule for the Discovery and View Services
 - Approved by INSPIRE Committee as Draft Commission Regulation implementing Directive 2007/2/EC of the European Parliament and of the Council as regards the network services
 - accompanying technical guidance and the Network Services Architecture document were finalized by the Drafting Team and published
 - Translation of draft regulation finalized by Commission Translation Services on 20th April 2009
 - Upload in the Committee Register of the draft regulation for the European Parliament and European Council scrutiny on the 15th of June 2009
 - Public availability of the new version of technical guidance documents in June 2009
- Implementing Rules for the download and transformation
 - Second version of the implementing rules and accompanying technical guidance were finalized and submitted for review by stakeholders
 - 550 Comments received after public consultation
 - Comments Resolution Web conferences on the 19th and 20th of May
 - Public availability of the NS DT final draft of the Implementing Rules and Technical Guidance Documents in July 2009
 - Draft Regulation prepared by the Commission ready in the second half of September





COMMISSION REGULATION (EC) No .../.. of [...] implementing Directive 2007/2/EC of the European Parliament and of the Council as regards the Network Services

- Article 2 Definitions
 - (1) "Initial Operating Capability" means the ability of a Network Service to provide full functionality without guaranteeing quality of service in conformity with the rules set out in Annex I to this Regulation or access to the service for all users through the INSPIRE geo-portal;
- Article 4 Access to the Network Services
 - 1. Not later than [DATE = 18 months after the date of entry into force of this Regulation], Member States shall provide the Discovery and View Services with initial operating capability.
 - 2. Not later than [DATE = 24 months after the date of entry into force of this Regulation] Member States shall provide the Discovery and View Services in conformity with this Regulation.



Initial Operating Capability Task Force



- Purpose
 - to help and support the implementation of INSPIRE in the Member States
- Scope
 - includes architectural aspects and implementation of Network Services to ensure interoperability with the INSPIRE geoportal and among Member States
- Proposal for terms of reference which can be expanded and refined
- Focus on
 - implementation of the INSPIRE Discovery and View Services.



Initial Operating Capability Task Force



- Composition
 - representatives, from all Member States, responsible for the Architecture design and the service implementation of the National SDIs.
- Set-Up
 - received 24 replies including Norway and Iceland
 - Not yet replied: Bulgaria, Cyprus, Luxembourg, Malta, Romania,
 - 38 members in total,
 - 23 Primary Contacts and 15 Alternates.
- First meeting:
 - INSPIRE Architecture workshop, Rotterdam 18 June 2009



INSPIRE geoportal



- New version of the prototype INSPIRE geoportal
 - Client application for Discovery services based on INSPIRE search criteria according to draft regulation and Technical guidelines
 - Client application for View services according to draft regulation, Technical guidelines & ISO 19128
 - Not fully compliant with regulation
- Platform to be used to perform interoperability tests for the IOC
- Based on the prototype geoportal we will draft specifications for the operational portal
 - Public procurement
 - Expected end- 2011
- On line in 2 days









- Start tests with draft implementing rules on download services
- Multilingual
 - In collaboration with DG Translation explore machine translation systems
 - Replies to Call for Tender expected on 16th June 2009
- Expand registry with additional registers
 - Services
 - Code lists



Thank you!



Welcome to the Global Spatial Data Infrastructure / INSPIRE Conference 2009 ! 15-19 June 2009, World Trade Center, Rotterdam



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