



INSPIRE update



Ewa Surma

Head Office of Geodesy and Cartography

Brussels , 23.03.2018

Revision of implementing rules Comm. Decision 2009/442/EC



- The monitoring indicators should be calculated based on the metadata of spatial data sets and spatial data services to be provided by Member States as laid down in Article 5 of Directive 2007/2/EC.
- Reporting, Member States should only update the reported information for the parts of the report that has changed.
- Additional metadata keywords should be introduced in order to enable the identification of spatial data sets that have been prioritised by the Commission and to identify the administrative granularity (National – Regional or Local) of a spatial data set.

Maintenance and Implementation Work Programme




- **Alternative simplified schemas**
- **The action shall define alternative encoding rules (mainly for the purpose of viewing/analysis in mainstream GIS systems) for a number of selected application schemas and a template and procedure for proposing and endorsing additional encoding rules in the future.**
- **Better client software/tool support**
- **The current data specification TGs define (complex) xml schemas based on GML as the default encoding for all INSPIRE spatial data themes. Many existing (web, desktop and mobile) applications and tools have difficulties in consuming and/or fully making use of data shared according to these schemas. In collaboration with thematic communities (through the Thematic Clusters platform and the MIG-T), investigate use cases and requirements for improved client support. These can be based on existing solutions and/or on specific use cases and requirements. The proposals can be cross-cutting (i.e. cover all INSPIRE themes) or specific for one or several related themes.**
- **Collection of examples of INSPIRE data representing the possible complexity that can be used by tool/client developers as reference material for testing their solutions.**
- **Discussion with the open source community and commercial vendors how to improve support for INSPIRE data, in client (web, desktop and mobile) software.**
- **Investigating means for consumption of INSPIRE data directly from National and European discovery services A list of tools that can be used by INSPIRE implementers is available within the JRC “INSPIRE in Practice” platform <https://inspire-reference.jrc.ec.europa.eu/>**

Alternative encodings



← ⓘ https://ies-svn.jrc.ec.europa.eu/issues/3064#change-11532 Szukaj ☆ 📁 📧 ⬇ 🏠 ☰

 **Uaktualnione przez Michael Lutz 3 miesiące temu** #2

Dear members of the MIG, MIG-T and 2016.4 sub-group (Thematic Cluster facilitators and MIG-T liaisons),


in the MIG meeting on 7-8 December 2017, **action 2017.2 on alternative encodings** was endorsed to be included in the MIWP.

According to its mandate, the first task of the new action is to:

1. Develop concrete proposals for alternative encodings
 - a. In collaboration with thematic communities (through the Thematic Clusters platform and MIWP-14 sub-group), collect proposals for alternative encodings. (...).
 - b. In agreement with the MIG-T, prioritise the collected examples and select a small number of proposals, for which alternative encodings will be developed by the action.
 - c. For the selected examples, develop encoding rules that explain how (and/or under which conditions) the proposed encoding meets the requirements of the IRs5.

With this call, we would like to **start collecting concrete proposals for alternative encodings** and other reference material relevant for action 2017.2 (task 1a above). Please propose such material for consideration of the action using comments to this issue (see detailed instructions in the description).

Thanks & best regards,
Michael & Robert

 **Uaktualnione przez Wideke Boersma około miesiąca temu** #3

Hello Micheal and Robert,

Hereby I send the proposed alternative encoding and reference material from the Netherlands. We made a distinction between high, medium and low priority.

High priority: GeoJSON

- Title: GeoJSON
- Description:
- Justification: Growing interest and operational applications for JSON
- Implementation: Largely implemented in governmental infrastructure, national portal PDOK, in WFS. Example Buildings: <http://geodata.nationaalgeoregister.nl/bag/wfs?service=WFS&request=GetCapabilities>.

High priority: RDF encoding

- Title: RDF encoding including Turtle and JSON-LD. As vocabulary we propose GeoSPARQL, Schema.org.
- Description:
- Justification: RDF (Linked Data) encoding has a growing field of implementations in and outside the geodomain. Publishing INSPIRE data as

<https://ies-svn.jrc.ec.europa.eu/issues/3064#change-11532>

Priority data sets list



- The list of priority data has been reviewed and further developed by the subgroup to provide clarifications and better guidance on both identification and metadata tagging of listed data in support of its implementation.
- The list is now considered to be the reference version on which future versions will be build. To avoid loss of work for ongoing implementations on the previous version of the list, the subgroup has guaranteed backwards compatibility with the previous released version of the list.
- The new version of the list is available on the dedicated MIG 2016.5 collaboration [wiki](#) and will shortly be also available through [the INSPIRE registry](#).
- Smaller updates are still possible and will be processed by the subgroup as the need for them emerges

Priority data sets list



<https://ies-svn.jrc.ec.europa.eu/projects/2016-5/wiki>

16.03.2018

Priority data set list (PDS list) for eReporting V2.0

Priority data set list (PDS list) for eReporting V2.0 - final

Date: 16/03/2018

Version: 2.0

Status: Final

		Fitness check for reporting			Relevant datasets		Proposed mapping to the hierarchical INSPIRE code list for metadata keywords			
Original list no.	Theme	Title of legislation	Reporting requirement	Originally defined data sets for environmental reporting	Data set No.	Identified specific data sets	Label_1 (Level 1: indication of legislation)	Label_2 (Level 2: originally defined spatial data set)	Label_3 (Level 3: specific topic-identified physical data set)	Label_4 (Level 4: specific sub-topic - identified physical data set)
1	Air	Directive 2008/50/EC of the European Parliament and of the Council on ambient air quality and cleaner air for Europe (including Implementing Decision 2011/850/EU)	2011/850/EC, Art 6-14 gives full detail: information on zones & agglomerations, assessment regimes & methods, primary validated data and aggregated, attainment of objectives, source apportionments, air quality plans and measures, attainment year	1) AQ management zones & agglomeration	1.01	AQ management zones and agglomerations	Directive 2008/50/EC	Management zones and agglomerations (Air Quality Directive)		
2	Air	Directive 2008/50/EC of the European Parliament and of the Council on ambient air quality and cleaner air for Europe (including Implementing Decision 2011/850/EU)	2011/850/EC, Art 6-14 gives full detail: information on zones & agglomerations, assessment regimes & methods, primary validated data and aggregated, attainment of objectives, source apportionments, air quality plans and measures, attainment year	2) AQ model areas	2.01	AQ model areas (incl. assessment methods - models)	Directive 2008/50/EC	Model areas (Air Quality Directive)		

Copernicus-latest developments



- **Study on INSPIRE and Copernicus - INSCoPe is currently in its final stages. The study made a 'reality check' of what INSPIRE spatial data and services are concretely available on the internet to support the Copernicus programme. It looked in particular to certain categories of INSPIRE themes most relevant for the services, and investigated for a number of use cases the data requirements to the object levels of the INSPIRE data specification requirements.**
- **The findings of this study will be relevant to study on INSPIRE data sharing and the overall reflection on the fitness-for-purpose and data set priorities for environmental policies and other activities where the combined use of INSPIRE and Copernicus can improve the information base (e.g reporting, monitoring, policy impact assessments (e.g the CAP), active dissemination of environmental information and compliance assurance in general.**
- **The final report of this study is expected by January 2018 and will be shared with the MIG for further considerations in the context of the MIWP.**