



An example of Inspired-IT project:OneGeology-Europe



http://onegeology-europe.brgm.fr/geoportal/viewer.jsp

Contributions on INSPIRE:

- Using WMS&WFS services and « portrayal » rules on 20 instances
- Multilingual vocabularies services
- Common licence to access data at 1M scale
- Metadata catalogue







(1) Directive 2007/2/EC requires Member States to monitor the implementation and use of their infrastructures for spatial information and to report on the implementation of that Directive.

(2) In order to ensure a coherent approach to such monitoring and reporting, Member States should establish a list of the spatial data sets and spatial data services corresponding to the themes listed in Annexes I, II and III to Directive 2007/2/EC, grouped by theme and Annex, and of the network services referred to in Article 11(1) of Directive 2007/2/EC, grouped by service type, and should communicate that list to the Commission.

(3) Monitoring should be based on a set of indicators calculated on the basis of the data collected from the appropriate stakeholders at the various levels of public authority.

(4) The data collected for calculating the monitoring indicators should be provided to the Commission.

(5) The results of monitoring and reporting should be provided to the Commission and made publicly available.

[...]



INSPIRE Conference, Aalborg, 16-20th June 2014

The Géocatalogue: A central part of the french INSPIRE infrastructure



- Accessibility to data sets & services metadata
- A discovery service INSPIRE-compliant (CSW 2.0.2)
- A validation tools vs INSPIRE requirements on metadata
- A automatised process to provide indicators for INSPIRE reporting

Géosciences pour une Terre durable



Metadata existence (MDi1)



- > Number of metadata / number of data sets
- > MDi1 is equal to 100% (number of metadata = data sets)
- > Number of metadata from 2013 to 2014: 4026 → 7968
 - Data sets: $3217 \rightarrow 6957$
 - Services: 809 → 1011



Metadata compliance (MDi2)



- > Number of compliant metadata / number of metadata
- Compliance of metadata is calculated by a validation tool in the Géocatalogue based on schematron language
- > MDi1 is equal to 81% (80% in 2013)
- Number of compliant metadata from 2013 to 2014: 3209 → 6468



Geographical coverage of Data Sets (DSi1)



- Actual area "the area which is covered by the spatial data". This figure reflects the status of the coverage already reached for a certain theme.
- 2. Relevant area "the area which is to be covered by a given spatial data set" As specified by the Directive this territory has to relate to an area where a Member State has and/or exercises jurisdictional rights. As stated before, the relevant area could be land, it could be sea, or both, or it could just be a subset of land (mountain areas).
- > DSi1 = actual area / relevant area
- > This indicator is not provided



Compliance of Data sets (DSi2) Number of compliant data sets / Number of data sets Compliance of data sets is declared by producers in the « Quality » metadata element 151 data sets declared compliant, ie 2% of the data



sets

Accessibility of metadata through Discovery Services (NSi1)

NSi1 = Number of metadata avalaible through discovery services / Number of metadata

> NSi1 is equal to 100% (all the metadata are provided by the Géocatalogue CSW service)



Accessibility of data sets through View & Download Services (NSi2)



- Number of data sets viewable & downloadable / number of data sets
- > Number of data sets accessible from 2013 to 2014: 549 \rightarrow 2002 (17% \rightarrow 29%)





Feedback at national level

- > WG composed of thematics representatives (Ifremer, SHOM, IGN, BRGM, Ministry of environment) → CNIG commission (<u>http://cnig.gouv.fr</u>)
- > Objective: to etablish a list of data sets for INSPIRE
- > Tasks:
 - Review of data sets extracted from Géocatalogue (~8000 lines)
 - Identify problems & make propositions to resolve them
 - Do a feedback into providers (two extractions per year)
 - Propose a method in order to optimise this annual task

> Conclusions :

- Presence of non-INSPIRE data sets (eg data on traffic, ...)
- Presence of duplicates
- There are a lot of mistakes in assigning INSPIRE themes
- It's difficult to identify data producers (vs metadata providers)





Conclusions

- The reporting process is based on the metadata elements referenced in the Géocatalogue
- > …excepted two indicators : geographical coverage & use of network services → will not in the dashboard developped in MIWP-16
- > The rules used to calculate some indicators (numerator) have to be discussed (eg NSi2) → MIWP-16
- Indicators on validation need to have common validators of metadata, services and data sets (developped in MIWP-5)
- > At national/local level, an iterative analysis & feedback is leaded to etablish a list of data sets & to improve indicators.



