Improved COVADIS standards

Toward INSPIRE compliance of existing national data

Richard Mitanchey
Outline

Actual national COVADIS standards
- Understanding the french administrative division & COVADIS standards potential clients
- The COVADIS role & productions

Better INSPIRE : the compliance issue
- Use case : Wind energy INSPIRE extension
- Alignment of existing SDI data
French administrative division

Metropolitan regions
- Communes & Intercommunal structures
- Departments
- (local authorities)
- Regions
- (territorial collectivities)

Overseas regions (not shown)
French administrative division

Metropolitan regions
- Communes & Intercommunal structures
- Departments
- (local authorities)
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Overseas regions

Our national standards (COVADIS) concern mainly the state deconcentrated services at departement/region level
**COVADIS Role**

- Consensus

**Pragmatism**
- an operational (ready to use) data structure

**Extensibility**
- Geostandard = kernel that can be enriched

**Compatibility**
- Data models **to prepare** INSPIRE compliance
Geostandard content

Part A
WHY is it relevant to my needs?
* How was it developed?

Part B
WHAT data definition?
* Conceptual Model
* Catalog of Data

Part C
HOW TO exchange or store my data?
* Logical / Physical Models
* Dictionary of data
* Metadata guidelines

INSPIRE compatible

SDI Implementation

Cerema
Better INSPIRE?

National standards should be INSPIRE compliant, and not only compatible, but

- french traduction of concepts!
- handle existing standards and data!
- keep rich models!

Solution: introduce national INSPIRE extensions, and align existing data
Geostandards improvement

Simple use case: Wind Energy

- III.8 PF features:
  - Wind Turbines
  - Wind Farms

- III.11 AM features:
  - Wind Regional Scheme
III.8 Production and Industrial Facilities extension
III.11 Area Management/Restriction/Regulation. Zones and Reporting Units Extension
Data Structure (SDI source)  

Extension xsd (UML + ShapeChange)
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Conclusion

Extension of schemes can apply to existing or new national standards
Compliant GML no more a producer issue!
Ideal integration with national SDI
Theoretical compliance still to be validated (INSPIRE existing tools)...
Thank you for your attention

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Standardization of geographic information

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