



Conclusions

EuroGeographics point of view

Warsaw –27-28 November 2018

Workshop learnings

Drivers

- Is there any need for INSPIRE data?
 - Not really: users don't care about INSPIRE data
 - They want data
 - Easy to access
 - Standardised
- } INSPIRE principles
- Reproducible results across Europe
 - Reproducible results across time (sustainability)
- May be INSPIRE, pan-European products (EBM, ERM, EGM), CityGML, CRD ... **but also OSM**

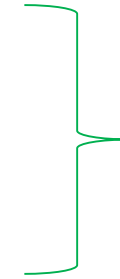
Drivers

- Various requirements towards data harmonisation (and quality)
 - Very simple content; WMS + INSPIRE portrayal rules might be enough (Baltic Lines)
 - Range of harmonisation degrees
 - Common core content
 - Homogeneous LoD
 - Common data models
 - Edge-matching, geometry harmonisation
 - ...

Potential users

- Official global or European key players

- United Nations
- World Bank
- European Commission (EEA, Eurostat, ...)



Provide data
credibility

- Private companies

- Big companies in Transport sector: NavTeq then HERE, ...
- IT companies
- Start-up (in Sun we Trust)
- ...

Potential users

- National public bodies
 - NMCAs (X-border cartography)
 - Transport and Utility managers
 - Ministry of Foreign Affairs
 - State Forest Administration
- X-border organisations or initiatives
 - Geneva area, Bodensee area
 - “Grande région”: BE, LX, FR, GE
- Research, Universities, academic sector

Use cases

- pan-European use
 - Various topics :
 - Environmental purposes (urban climate, solar potential of roofs, impact of wind turbines, energy consumption of buildings, ...)
 - Car navigation
 - Games (Ecocraft)
 - Geocoding (gazetteer) service
 - Various contexts :
 - European projects (HERMES)
 - Software, methodology development => need for reproducible results

Use cases

- X-border use cases
 - Cartography
 - Accessibility assessment
 - CAP subsidies for X-border farmers
 - Planning
 - On land (e.g. Alpine convention)
 - On sea (e.g. Baltic Lines)
 - ...

Benefits of interoperability

- Not limited to use of INSPIRE data
- Also use of INSPIRE data models
 - Good basis for national or X-border standards
 - “INSPIRE” as magic word to get consensus between various stakeholders
 - INSPIRE GML used as exchange format for CP and BU in Land Administration in Spain
 - Used in some ontologies
- More vector data (KLIC example about Utilities data)

Barriers

- Are potential users aware of INSPIRE data?
 - Probably not enough e.g. research (URCLIM)
 - We don't fully know who are these potential users
 - Limited awareness raising by data producers
 - INSPIRE data not proudly advertised by NMCAAs!

Place from improvement !

Barriers

- Is it easy to harvest INSPIRE data?
 - Probably not enough
 - Need for products (as CRD) rather than services
 - Distributed architecture not suitable for all purposes; need for some centralisation
 - WFS not efficient enough; ATOM might be better
 - WPCS looks wonderful but some trouble with INSPIRE data models; need for user training?

Barriers

- Is it possible to use INSPIRE data?
 - Difficulties
 - INSPIRE data models considered as complex
 - Not all client applications able to consume INSPIRE data
 - but some success
 - ELF event in Poland
 - Some use of Czech INSPIRE services
 - Tools developed in Spain to deal with INSPIRE GML on CP
 - EEA integration exercise for Copernicus services on AU

Theme specific difficulties

- Theme TN
 - Interested users (e.g. car navigation)
 - Linear referencing too complex for basic applications (mapping, ...)
- Annex III data
 - Will they be implemented?

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Removing barriers

- Simplify INSPIRE data
 - Flat schemas
 - Alternative encodings
- Enrich (INSPIRE) data;
 - more content, better harmonisation
 - Other providers (private, VGI, ...)
- Better tools
- Open data (but not mandated by INSPIRE) to solve licencing, access issues; open SDI.

Several initiatives (MIG, EG, UN-GGIM, ...)



Thanks to all for coming and for your contribution to the workshop!