

Italy: moving from data-oriented to service-oriented approach

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1996: IntesGIS project

- ▶ For more than 10 years Italy has been greatly focused on data specs
- ▶ National GeoDB specs implement 19100 series standards, but are limited on issues like:
 - Information transfer standards
 - ▶ define the interfaces that allow different systems to work together, or the expected behaviour of software systems. The RM-ODP calls this the computation viewpoint; its focus is on invoking services effectively and unambiguously
 - Services invocation
 - ▶ define the content of geospatial information or its encoding for transfer between different processing systems. In RM-ODP parlance, this is the information viewpoint, emphasizing efficient, lossless communication

Metadata / 1

- ▶ In 1998 IntesaGIS put big emphasis on metadata
- ▶ The goal: collect GI metadata from Public Sector (central+local)
- ▶ Errors and lessons learnt:
 - 19115 problems: draft versions, hierarchy levels and encoding
 - Little participation (just at Regional level)

Metadata / 2

- ▶ In 2005, CNIPA defined new 19115 implementation guidelines (draft)
- ▶ Some issues on 19139 (XML implementation) due to national hierarchical model, inherited by IntesaGIS
- ▶ Problems remain on “services”: how do we exchange metadata within national context?

“Cartographilia”

- ▶ Italian concept of GI is ... cartography!
- ▶ GI is cartography and cartography is GI
- ▶ This is a partial (and wrong) vision
- ▶ Geographical identifier (eg. addresses, streets, gazetteers, ...) are not harmonised, as they're managed at municipal level:
 - over 8000 municipalities = chaos

Moving from data to services / 1

- ▶ In 2007 Italian GI *should* move focus on services
- ▶ Need for a “framework” document on standards & specs (and IRs) to be taken into consideration
- ▶ Need to move from a GI perspective to a more IT perspective:
 - W3C, OGC, OASIS, ...

Moving from data to services / 2

- ▶ Italy has been greatly involved in eGov implementations:
 - > 550 millions € funded
 - 786 AtoC (Admin to Citizen) services implemented: 37% of national population covered
 - 1031 AtoB (Admin to Business) services implemented: 48% of total number of businesses.
- ▶ Secure-services and accessibility issues are mandatory within Public Sector context

Moving from data to services / 3

► Topics

- Interoperability issues
- Registries
- Catalogues
- Chaining
- ...

► What now? What next?

Moving from data to services / 4

► Standards

- Lack of technical skill on GI implementation specs and standards
- Little participation at ISO/CEN activities

► Central Gov

- Absence of a strong national agency and lack of a strong national position
- Lack of national coordination

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