

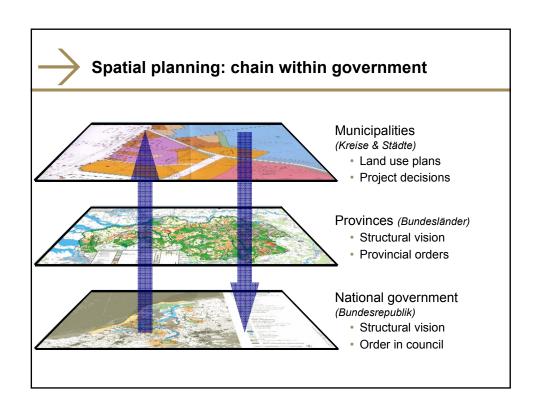


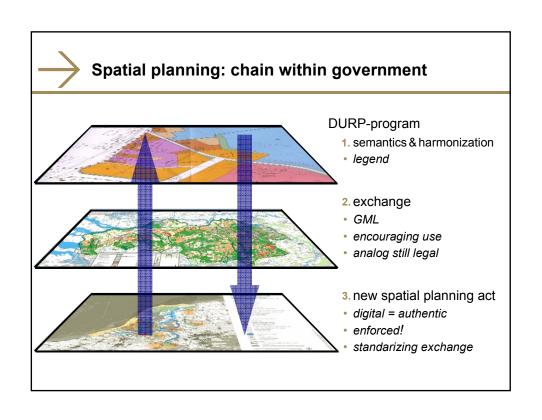
Architectural issues of GML-based spatial planning

Presentation about:

- Implementing a working SDI on authorative data is a lot more then just a bunch of standards
- Standards need validation and test beds/encouraging phase
- There is still a lot to be done on truly interoperability

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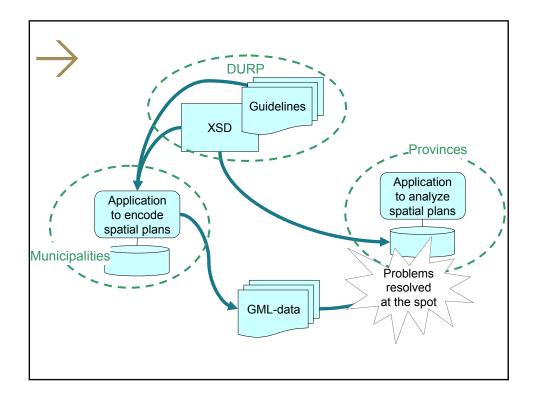


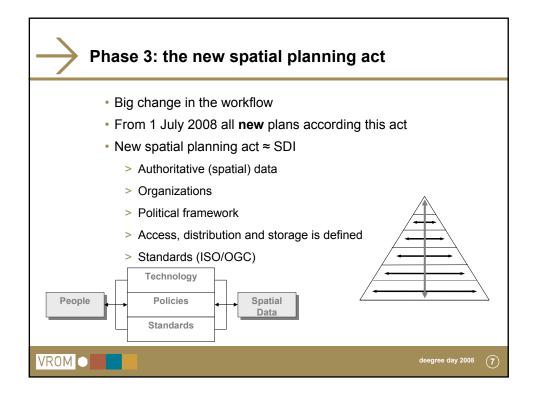
Phase 2. Exchanging data physically

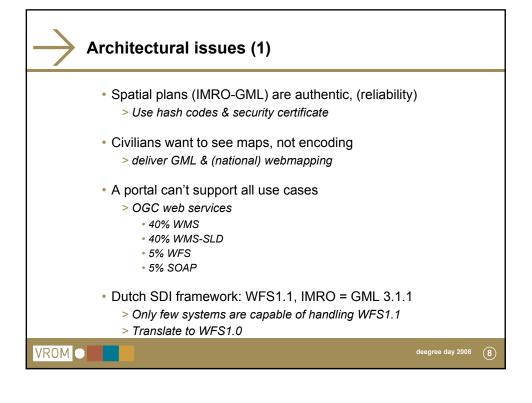
- Physical exchange was the legal process
 - > Data harvesting of land use plans at provinces and government
- · Encouraged phase!
 - > Need for early adaptors
 - > Getting support
 - > Broad scope: everything digital was alright
 - > Temporary investments (but organizations didn't know)











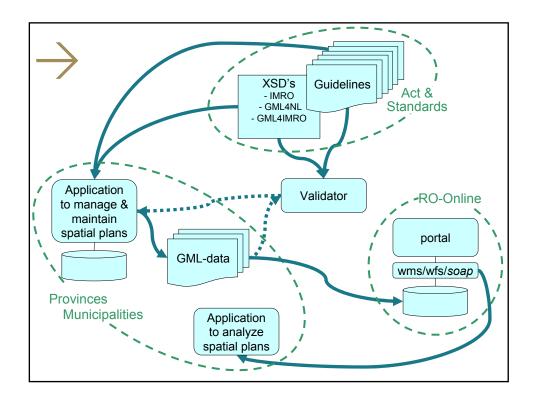


Architectural issues (2)

- 'Data at the source' paradigm in government reference architecture, but municipalities aren't capable of implementing
 - > eGovernment architecture national data stores based on principle 'acquire once, use everywhere'
- Spatial planning in INSPIRE annex 3
 - National data stores assigned as replacement for 'data at the source'
 - > National data store is mentioned in the act (reliability)
- At the moment only invalid data, not well formed, not according to guideline, not interoperable geometry
 - > Validation-service









RO-Online & open source

- RO-Online
 - > Is a SDI-node
 - > Generic parts: database, OGC-services, validation XML/GML
 - > Specific parts: harvesting, validation business rules, portal
- Judgement (of proposals)
 - > Complex project >> Good project management
 - > Total Cost of Ownership
 - > Preference for open source by equality
 - > COTS/proven technology: heavy stack of components
 - not 100% OGC-specifications (OINO ©) > Open Source
 - well suited as SDI-node: there's no data making process easy ($\in \in \in$) to scale



deegree day 2008





Conclusions

- Validation on standards is essential for truly interoperability
- Test beds are essential for any standard
- Encouraging
- <> Enforced
- people with a vision
- people who make it work
- willingness temporary investments
- true interoperability
- Dutch SDI framework ≠ 100% compliant with reality
- Implementing organizations still have small knowledge of OGC-specifications



