OneGeology-Europe

or....

How 20 geological survey spent €3.25 million

Ian Jackson April 2011
What I’d like you to take away from this talk

• OneGeology is regarded as a success
• The lesson to be learned is **KISS** – *Keep It Simple Stupid*. Resist the temptation to complicate
• When the EC invests a little money it gets a lot back
• When you invest in effective communication it pays back ..........big time
OneGeology-Europe: an introduction

- Started 11 September 2008
- Finished October 2010
- Total budget 3.25M€
- EC contribution 2.6M€
- Funded by EC DG Information Society and Media Best Practice Networks: Geographic Information
- 10 Work Packages
- 28 Partners from 21 countries
Major objectives

• Make existing digital geological spatial data more easily discoverable, accessible and useable

• Make a contribution to the progress of INSPIRE: i.e. develop systems and protocols to better enable the discovery, viewing, downloading and sharing of geological data

• Enable the Groundwater and Soils directives, GMES, GEOSS and SEIS to deliver

• Demonstrate best practice examples of the delivery and application of geological spatial data

• Improve contribution of geological surveys across Europe to INSPIRE by spreading and sharing best practice
Project team
Results and outcomes

- Interoperable geology spatial dataset at 1:1 million scale available from distributed data from 20 EU nations – and sustainable
- State-of-the-art multilingual web map portal
- Major multinational deployment of geoscience specifications & Open Geospatial Consortium standards to view and download data
- Legal barriers to data access addressed - single harmonised licence now used by all data providers allowing free access and harmonised Code of Practice produced
Results and outcomes

- Multilingual discovery metadata catalogue developed
- Acceleration of development and deployment of an international interchange standard for geology, GeoSciML
- Significant progress with the harmonisation of geoscientific language in Europe and globally
- Successful pilots for high resolution/applied data
- Contribution to implementation of INSPIRE (metadata, data specifications, services, data sharing, monitoring)
Sustaining the services

• 20 national geological surveys have agreed to keep serving their data ✓
• EuroGeoSurveys has agreed to maintain the portal ✓
Role of European geological surveys next?

- INSPIRE Annex II Geology Theme WG using OneGeology-Europe work extensively
- Not only geology ... also natural risks, mineral resources, groundwater
- Infrastructure ready to be used for testing and integrated in other domains
- Extend the membership to other European nations
- Improving data – its resolution (1:250k-1:50k) and quality and harmonisation
- Develop pan-European derived datasets (radon, flooding, ground stability, etc)
- Improve services, applications and functionality
- Develop European schematic interoperability in 3D and 4D