



OneGeology-Europe

Project overview

Essentials

- Started 11 September 2008
- Duration 2 years
- Total budget 3.25M€
- EC contribution 2.6M€
- Funded by EC DG Information Society and Media
- 10 Work Packages
- 29 Partners from 20 countries



Agenda

- Why do it?
- Major objectives
- Results and deliverables
- Scope and team
- Budget and duration
- 10 Work Packages
- The global context



Why do it?

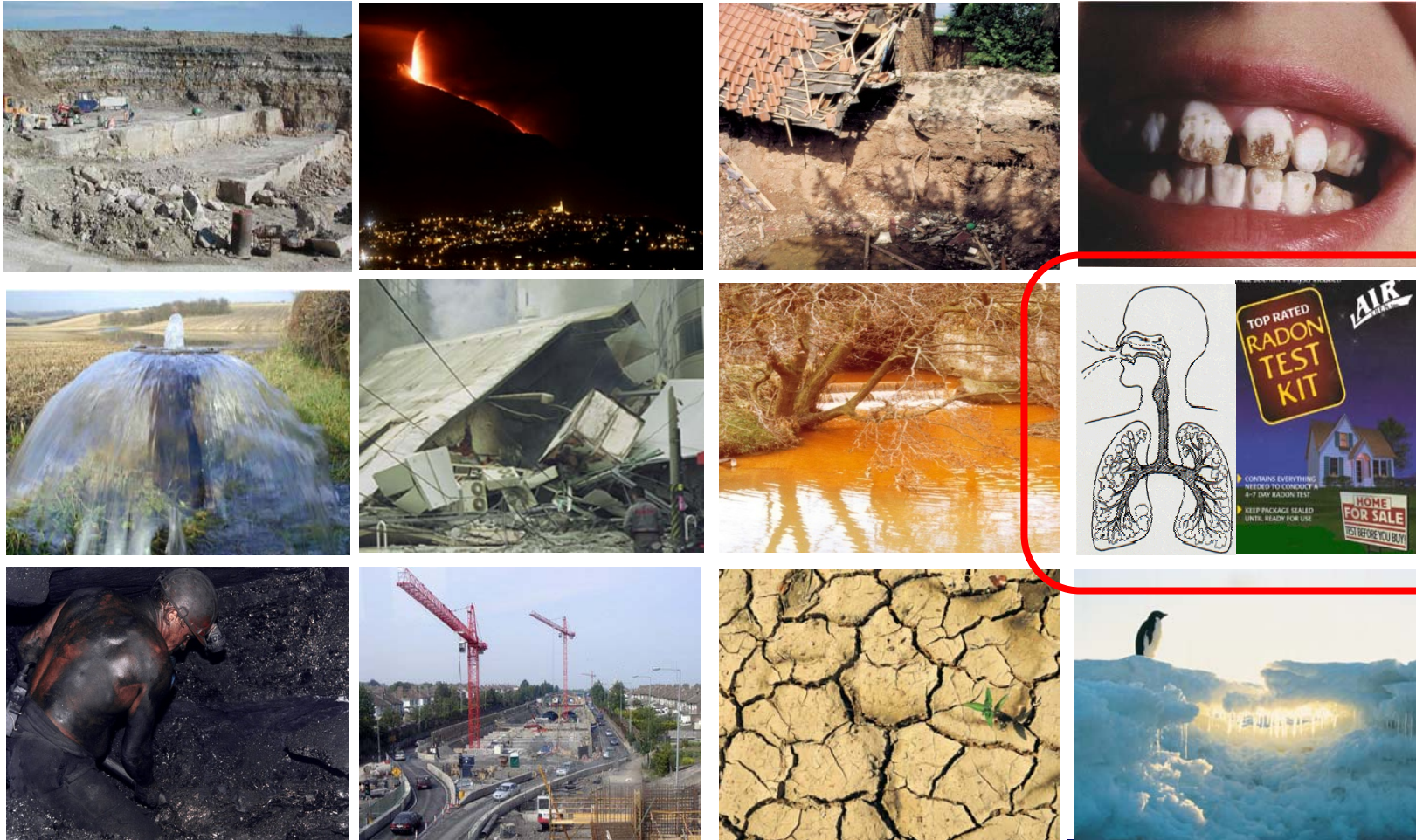
Geological spatial data in Europe

- Rich data exists
- It's critical for society
- It's difficult to find
- It's difficult to access
- It's difficult to share
- It's difficult to understand
- Some great national systems, but we all do things differently



Why do it ?

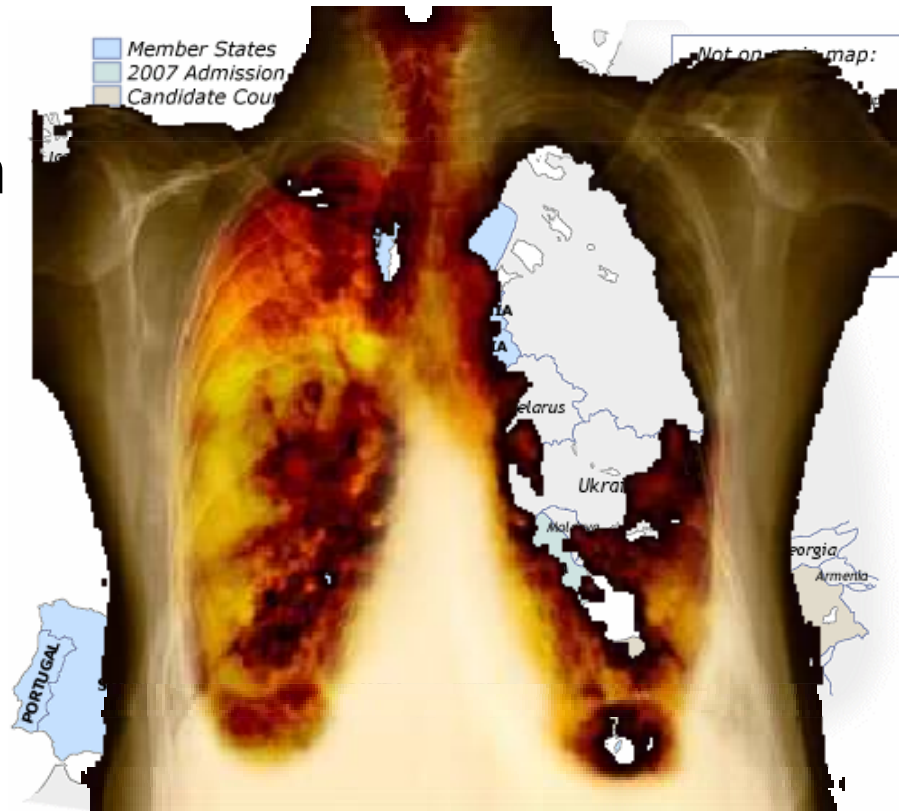
- Geological spatial data are essential to society



Why do it?

Radon

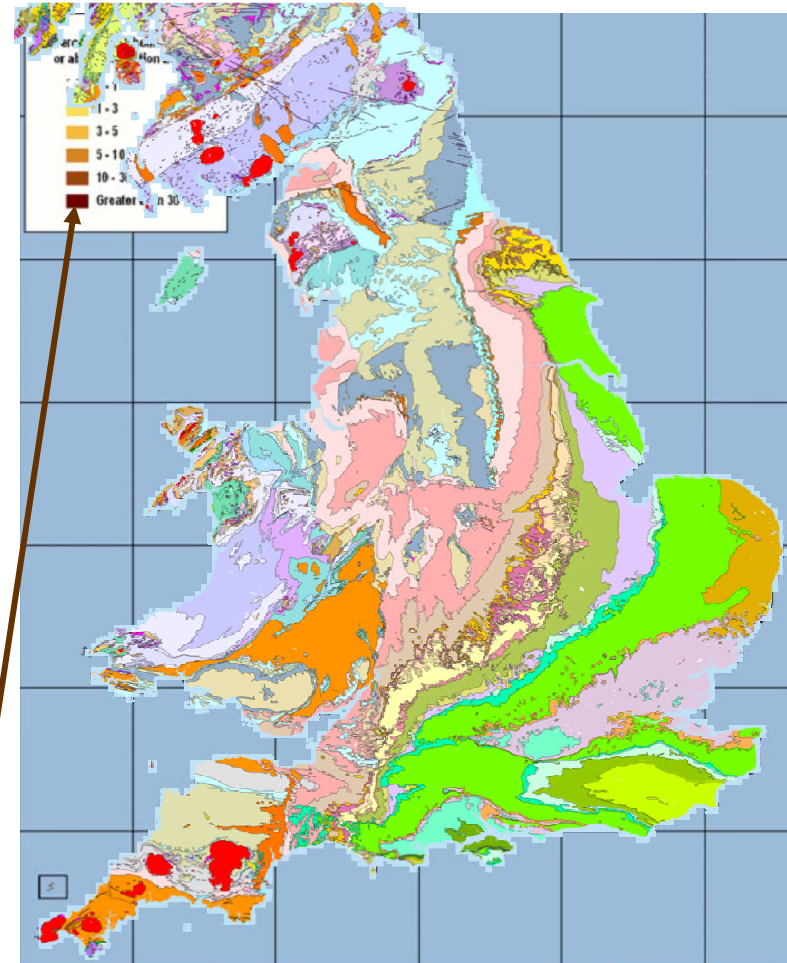
- A radioactive gas that originates in rocks
- Causes cancer
- 9% of all lung cancer cases in Europe
- That is at least **30,000 deaths per year** in Europe



Why do it?

Radon

- Geological map data allows you to identify radon affected areas
- Which means you can warn people and mitigate the risks
- So why don't we do that consistently across Europe currently?



more than 30% homes above the UK radon Action Level



Major objectives

- Make existing digital geological spatial data more easily discoverable, accessible and useable
- Make a significant contribution to the progress of INSPIRE – i.e. develop systems and protocols to better enable the discovery, viewing, downloading and sharing of core European spatial 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 in the public and private sectors and share that best practice



Results and Deliverables

- interoperable geology spatial dataset at 1:1 million scale for all onshore EU
- scientific and informatics specification for the harmonisation of geological data at this resolution; progress towards a harmonised dataset
- view service providing access to best practice high resolution geological spatial data services for 6 Member States
- 2-4 pilot and case studies on cross-border delivery of harmonised high resolution data access
- multilingual discovery metadata for all participants' geological and applied map data



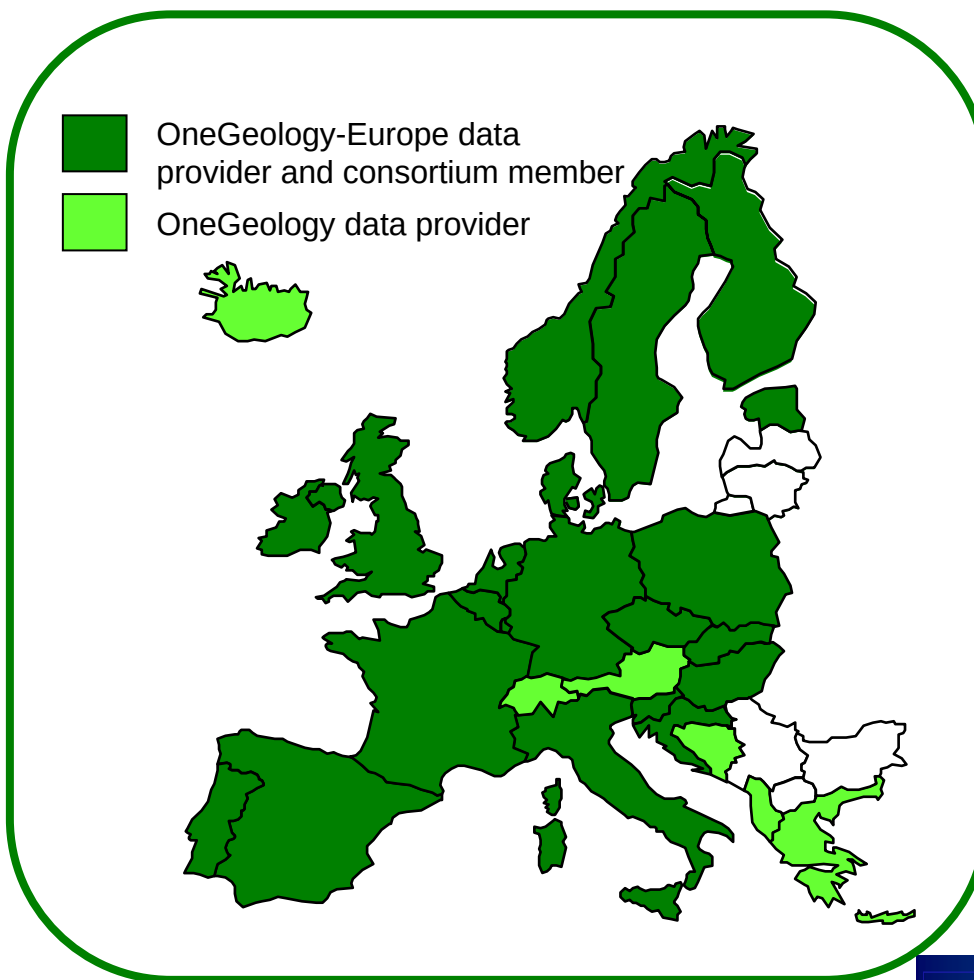
Results and Deliverables

- robust data model, schema and mark-up language for the geosciences
- web portal providing easy multilingual access to the above data and examples of user-focused web services
- best practice examples of the delivery of geological data to a range of users
- guidance and code of practice on licencing and clearing arrangements facilitating re-use of geological spatial data
- exchange of science, technology, informatics and communication skills and experience across the EU and globally.



Scope and team

1	GB	BGS
2	DE	BGR
3	CZ	CGS
4	FR	BRGM
5	NL	TNO
6	IT	APAT
7	BE	KUL
8	DE	RuP
9	SE	SGU
10	SI	GeoZS
11	BE	GSB
12	FI	GTK
13	ES	IGME
14	NO	NGU
15	PL	PGI



16	DN	GEUS
17	IE	GSI
18	PT	INETI
19	SK	SGUDS
20	EE	EGK
21	BE	Euromines
22	CZ	CENIA
23	GB	Landmark
24	-	EGS
25	SI	ARSO
26	GB	Lighthill
27	HU	MAFI
28	LU	SGL
29	IE	UCD
~~30~~	~~CR~~	~~C/HGS~~



Scope and team

Work package leaders



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WP1+10



Georg Maybaum
WP2

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WP4



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WP5+6



Katleen Janssen
WP7



Luca Demicheli
WP8



Jan Jellema
WP9



Europe's Information Society
eContentplus

Scope and team

Users



Providers



Synergies and links



Duration and budget

- Start September 2008
- Duration 2 years
- Total budget 3.25M€
- EC contribution 2.6€



10 Work Packages

- WP1. Project management
- WP2. Use cases and best practice in meeting stakeholder needs
- WP3. 1:1 million pan-European geological data specification, identification and sourcing
- WP4. Data inventory and multilingual discovery metadata catalogue
- WP5. Informatics specification, data model, interoperability and standards



10 Work Packages

- WP6. Web portal and Registry development and implementation
- WP7. Access and licensing protocols
- WP8. Communication, dissemination and awareness
- WP9. Access to high resolution geological & applied datasets in national & cross border situations
- WP10. Liaison with related groups and initiatives



Global Context

