

EuroGeoSource: sharing data and services on energy and mineral resources in Europe following INSPIRE

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Agenda

- EuroGeoSource
- Consortium
- Objectives
- Software
- Web Portal
- Internet Policy Support System
- Current Status – Prototype
- Public Workshops
- Conclusions



EuroGeoSource

- “EU Information and Policy Support System for Sustainable Supply of Europe with Energy and Mineral Resources”
- Project funded by the European Commission (7FP, ICT Policy Support Programme, Theme 6 – Public Sector Information CIP-ICT-PSP-2009-3)
- Consortium coordinated by the Nederlandse Organisatie Voor Toegepast Natuurwetenschappelijk Onderzoek – TNO

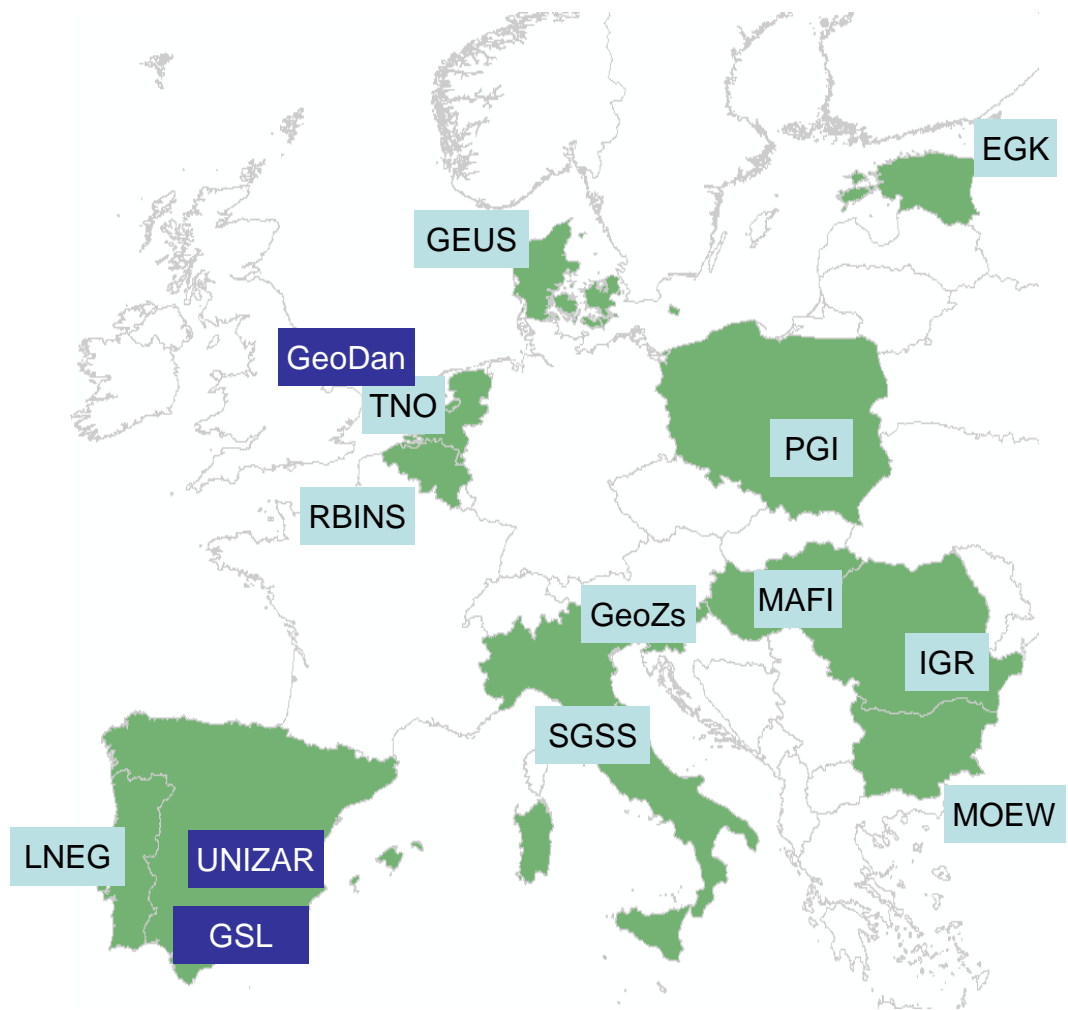


EuroGeoSource

- WP1: Project management
- WP2: User requirements
- WP3: Current data management aspects
- WP4: Interoperability and data exchange format
- WP5: Interoperable content
- WP6: Concept and technical design
- WP7: Multi-lingual user interface and legends
- WP8: System development
- WP9: Testing
- WP10: International collaborative framework
- WP11: Awareness - dissemination



Consortium



Objectives

- Developing the EuroGeoSource Web GIS system
- Spatial data services following OGC and INSPIRE specifications
- Identify, access, use and reuse in an interoperable and seamless way aggregated geographical information on energy and mineral resources covering a significant part of Europe



Software

- Software developed for the central Web GIS application and attribute delivery services will be disseminated as open source software
- The consortium will consider releasing the EuroGeoSource GIS application together with the other OGC services as an open source 'toolkit'
 - For other geological organizations to implement INSPIRE-compliant SDIs, Web services and Web GIS applications



Web Portal

- <http://www.eurogeosource.eu>
 - Information and news about the project, and also links to the public deliverables and presentations

The screenshot shows the homepage of the EuroGeoSource website. The browser window title is "EuroGeoSource.eu | Home - Mozilla Firefox". The address bar shows "http://www.eurogeosource.eu/". The page features a blue header with the EuroGeoSource logo, the European Union flag, and the text "A project co-funded by the CIP-ICT Policy Support Programme". Below the header is a navigation menu with links: Home, Objectives, Consortium, Advisory Board, Contact us, and In Focus. A search bar is located on the right side of the header. The main content area is divided into two columns. The left column contains a "Main Menu" with links to Introduction, Status, Deliverables, Useful Links, Events, Newsletter, and Knowledge Base. The right column features an "Introduction" section with a red banner announcing a "Second public EuroGeoSource workshop" on "Security of energy and minerals supply - political and economic aspects" on January 25th, 2012, in Rotterdam. Below the banner, there is a paragraph of text describing the project's goal as a data portal for aggregated geographical information on geo-energy and mineral resources. At the bottom of the page, there are two images: one showing two people holding a large banner that says "Euro Geo Source Oil - Gas - Minerals" in a snowy environment, and another showing a tunnel entrance. The footer text states: "The aim of the project is to provide information on oil and gas fields, including prospects and mineral deposits, in order to stimulate".



Internet Policy Support System

- Visualise and deliver spatial and attribute information regarding the hydrocarbon and mineral resources in the participating EU countries
 - Also data about depleted and prospect reservoirs
- Tools for data presentation, visualisation, analysis, ordering, and reporting
- A rich Internet application with multi-lingual interfaces encompassing selected languages of the participating countries



Current Status

- First phase is finished
 - Overview of the needs of potential users
 - Analysis of the organisational and political aspects of geo-energy and mineral resource data management in the participating countries
 - Requirements and architecture
- A first prototype has been created



EuroGeoSource - Mozilla Firefox

Archivo Editar Ver Historial Marcadores Herramientas Ayuda

EuroGeoSource + Search

Euro Geo Source Oil - Gas - Minerals

Data sources << save | open | help | link >> Map data

lithium Search

Lithium (Li2O)

▼ One Geology EU
 One Geology North
 One Geology South

Lithium (Li2O) x

- Spain
 - Italy
 - Portugal
- Pegmatite
 - Hectorite
 - Aplite
- Not active
 - underground
 - Solution mining

lon: -7.7760 lat: 43.6881

Map data

▼ One Geology South x

No legend for this layer

▼ Lithium (Li2O) x

- ▼ countries
 - Spain
 - Portugal
 - Italy
- ▼ deposits
 - Hectorite
 - Aplite
 - Pegmatite
- ▼ classifications
 - underground
 - Solution mining
 - Not active

▼ OpenStreetMap x

Overview map

Data CC-BY-SA by [OpenStreetMap](#)



Public Workshops

- Current results were presented at the first public workshop, in Budapest, on March, 2011
- The second public workshop will take place on January 25, 2012, in the World Port Centre, Rotterdam, The Netherlands
 - Main topic will be “Security of energy and minerals supply - political and economic aspects”
 - Participants need to be registered, but the registration is free. This will be available on the project portal soon



Conclusions

- The project is on schedule after its first year
- A data model for energy and mineral resources, agreed upon by the partners and compatible with the INSPIRE data models, is almost finished
- Other results are already published, or almost published, in the project Web portal
- The system implementation has already started, and there is already a prototype





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