

EUROGEOSOURCE: A SHOWCASE OF FUTURE DATA MANAGEMENT AND DISSIMINATION FOR ENERGY AND MINERELAS

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A problem Europe is facing today is to secure its energy and non-energetic minerals supply. Since disruptions and shortages are immediately felt by the citizens and can have large impact on economy as well as repercussions on foreign relations, energy security is today very high on the political agendas across Europe. EU authorities currently compile their long-term policies regarding the need for oil, gas and minerals, including estimates of the required import, from national reports contributed by the member countries. These reports contain only generalized information regarding reserves and production forecasts for a country as a whole. This high level of generalization and the lack of easily accessible, reliable and detailed data that could support decision making do not allow a fast response to crisis situations and significantly reduce the accuracy of the long-term planning of energy and minerals supply of Europe.

In April 2013 the EuroGeoSource project (www.eurogeosource.eu) will deliver a tailor made multilingual web GIS system that will allow users to identify access, use and reuse aggregated geographical information on geo energy and mineral resources, provided by geological surveys from at least ten countries in Europe. The system uses OGC-compliant services to register, visualise and download INSPIRE compliant data sets from 10 different countries. The system is implemented in the cloud, boosting the performance (tiling, transformation of coordinate systems, indexed queries), safeguarding the availability and scalability of the portal and thus enhancing the reliability and usability of the data provided.