



**HAL**  
open science

## The European Geological Data Infrastructure EGDI

J. Tulstrup, Agnès Tellez-Arenas, M. Pedersen, François Robida, B. Pjetursson, C. Delfini

► **To cite this version:**

J. Tulstrup, Agnès Tellez-Arenas, M. Pedersen, François Robida, B. Pjetursson, et al.. The European Geological Data Infrastructure EGDI. 35th International Geological Congress : IGC 2016, Aug 2016, Cape Town, South Africa. hal-01356165

**HAL Id: hal-01356165**

**<https://brgm.hal.science/hal-01356165>**

Submitted on 25 Aug 2016

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

## The European Geological Data Infrastructure - EGDI

Tulstrup, J.<sup>1</sup>, Tellez-Arenas, A.<sup>2</sup>, Pedersen, M.<sup>1</sup>, Robida, F.<sup>2</sup>, Pjetursson, B.<sup>1</sup>, Delfini, C.<sup>3</sup>

<sup>1</sup>GEUS (Copenhagen, Denmark) [jtu@geus.dk](mailto:jtu@geus.dk)

<sup>2</sup>BRGM (Orléans, France)

<sup>3</sup>EGS (Brussels, Belgium)

---

The development of a European Geological Data Infrastructure (EGDI) is a high priority of EuroGeoSurveys (the Association of the European Geological Surveys) as one of the instruments for providing a “European Geological Service” through a joint effort of the national geological surveys.

EGDI, which has been described in a scoping study, funded by the European Commission through the FP7 project EGDI-Scope (<http://www.egdi-scope.eu/>), is now becoming a reality.

The first version of a web-portal has been launched in June, giving access to a number of pan-European geological data sets created during previous data harmonization projects as well as to a very large number of national data sets from the European Geological Surveys.

This Infrastructure will enable European Geological Surveys to serve and maintain INSPIRE-compliant, interoperable geological data and information reflecting our understanding of the subsurface.

This first implementation is a basic starting point comprising a number of key datasets, but over the time EGDI will develop to become the central junction for all relevant pan-European interoperable, harmonised geological information aimed at stakeholders from policy, industry and the general public. Subsequent extensions of the EGDI will be based on results from past, current and future EU-projects. EGDI will give access to data sets produced and maintained by geological surveys and other institutions that produce similar data.

EGDI targets a wide range of public and private users who need reliable information about the subsurface at a European scale to address the major social and economic challenges that Europe is facing, such as reliable water, energy and mineral resources supply, mitigation of natural hazards, etc.

EGDI will also be the gateway to provide geological data to EPOS (European Plate Observing System), thereby contributing to reinforcement of geoscientific knowledge for solid earth science research.