



The Geological Survey of Italy Portal: a new gate for accessing to geological information in Italy

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Since more than 140 years, the Geological Survey of Italy is in charge to collect, manage and disseminate geological data of Italy, with specific concern to geological mapping. ISPRA, which now includes the Geological Survey of Italy, has developed about 40 datasets dealing with several geological topics, including geological and geothematic mapping, natural hazard, geophysics, boreholes, 3D modeling, georesources, geoheritage, land use/land cover, etc. Since 2010, all these data are accessible through a Geological Survey of Italy Portal.

A new Portal has been recently released at portalesgi.isprambiente.it with the aim to improve the accessibility to such a huge amount of geological data, by different types of users. It has been structured in line with requirements from the INSPIRE Directive (2007/2/CE) and is fully responsive on PC, smartphone and tablets, following the standards required by Italian legislation for geoportals from public organizations.

Through specific tools, scientists and professional experts are now able to i) search data and metadata from a catalogue; ii) to use them as OGC services (e.g. WMS, WFS, etc.); iii) to view these services on a geomapviewer. Furthermore, from the new Portal it is also possible to access to i) the geological portals and datasets owned by Regional Geological Surveys; ii) a huge amount of information contents including scientific publications, news about events and multimedia material (e.g. video and photos) of interest for the Italian geological community.

The new Portal is expected to be used also by institutional stakeholders and decision-makers in the domain of Earth sciences (e.g. land planning, prevention of natural disasters, etc.), and even by citizens interested in improving the geological knowledge of their territory.

The possibility to overlay different layers, will allow to integrate, calibrate and validate geological information with other informative layers owned by different institutions towards a full interoperability. With this purpose, most of the geological datasets accessible from the Portal are also available as a potential contribute i) to EPOS, and in particular to the “Geological Information and Modeling” TCS; ii) to EGDI, the European Geological Data Infrastructure developed within EuroGeoSurveys.