

Contribution of GeoScienceML to the INSPIRE data harmonisation process for Geology"

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ABSTRACT : A key objective of the European INSPIRE directive is to make more and better spatial data available for community policy-making and implementation of Community policies in the Member States. The focus is specially on information needed in order to monitor and improve the state of environment, including air, water, soil and the natural landscape.

The directive classified spatial data needed into three annexes. This classification into the annexes depends on the usage of spatial data for geo-referencing other spatial data and on the degree of harmonisation needed. Around 30 themes have been identified, the theme "Geology" belongs to the annexe II.

The work done by the CGI Working group on GeoScienceML is a very useful input to participate to the process of data harmonisation for the theme "Geology".

Data harmonisation is relevant for several general principles identified by INSPIRE, and the two concepts "data harmonisation" and "interoperability" will be defined in the context of INSPIRE. This presentation will explain how international data modeling of geological objects can help the INSPIRE process of data specification. The implications for European Geological Surveys will be presented (according to the work done by the INSPIRE teams at the meeting date).