

## **VIRGO - VISUALISATION INTERFACE FOR REGIONAL GEOLOGICAL OBJECTS**

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Within the VIRGO project a generic Internet-based system for the visualisation and distribution of existing geological data of geological surveys for commercial and scientific users is in development. Data management, meta data description, navigation, visualisation and distribution of geological data are bundled in a generally accessible form by an Internet application. Apart from the program development an emphasis is situated in the development of fundamental data structures in a data base system to store geometric and attribute data. Navigation and investigation on the data require a meta data system apart from uniform data structures. Data visualisation as well as the use of geographic information systems and their functions, in particular the functions for the visualisation in the Internet browser, are further emphasis. The request of the potential end users are checked in different case studies with the system. A multilingual application environment is intended. The project management and technical implementation is done by the Computer Graphics Center (Germany). GLOBO (Italy) is responsible for the structures and management of the GIS components. The Hessian Geological Survey (Germany) is responsible for the program conceptions, the information spreading and data supply. The Geological Survey of Austria is involved in the system evaluation and the data supply. Further data are supplied by the Geological Survey of Italy. The engineering company Arcadis Heidemij Advies (The Netherlands) and Arcadis Trischler & Partner (Germany) are proving and evaluating the systems and the user requirements by case studies.