

## **DESIGN CRITERIA IN GOVERNMENT INSTITUTIONAL GIS**

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We understand as Institutional GIS all of those criteria that can be used in the design of an efficient and useful National Geological GIS based catalogue. As government agencies, National Geological Surveys support as a public good all of the regional geological information in their territories. GIS and others computer methods make a good assessment in the organisation and exploitation of geological resources and facts. Nevertheless there are some criteria that could be followed, in order to warranty the successful management of the data. 1) Standardized geological and digital information. Offer to the performers and users a compressible data structure. 2) Use of legal or recognized source data. Define the responsibility and data confidence. 3) Large database managing capability. Related to the accessibility and data maintenance facts. 4) Standardized parameters and Cartography. Facilitate the map reading and comparison. Allow the integration with other kind of data. 5) Use of National Map Grid Reference. The Institutional GIS, as a public good, must cover all national territory and have an specific reference in order to comply with other government cartographic agencies. 6) Work structure in which data entry and production are systematic. It is implied that only a National GIS infrastructure can be made if all of the production processes are well know. 7) A method built for the common user that could be used to find geological data.