GGOS (Global Geodetic Observing System) is a project of the International Association of Geodesy (IAG). The GGOS Portal is the access point for all GGOS products and represents a centralized and standardized platform in order to exchange information, data, products and models of various geoscientific disciplines. The development of the GGOS portal is in close cooperation with Group on Earth Observation (GEO) activities by using standards and interoperability arrangements of the GEOSS architecture to provide a substantial contribution to the Global Earth Observing System of Systems (GEOSS). The GGOS Portal is organized into different geodetic and geoscientific topics and offers a set of tools for organized knowledge discovery to assist identification and selection of appropriate resources, i.e. to information as well as to data and products of the heterogeneous IAG services.

The functionality of the GGOS portal includes a geodata viewer and metadata management. Tools for visualization, analysis and combination of geodata provide access to the substantial database in strong co-operation with the central bureau of the IERS (International Earth Rotation and Reference Systems Service).

For GGOS Portal modern information technologies are applied, as for example professional Content Management System, standardized Web Services or Java technology for applications. An ISO standardized metadata catalogue serves as the backbone to apply the information system for data discovery and subsequent data processing. To assure the standardization of metadata the open-source program GeoNetwork is used for the metadata management. This application includes metadata search, a metadata editor, and possibilities of map viewing.