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Activities for the development of Global Map Version 2

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The Global Mapping Project aims to develop a Global Map through international cooperation of National Mapping Organizations (NMOs) of the world. Global Map is composed of basic geospatial datasets in 1km resolution, covering the whole land area of the globe with consistent specifications. The data consist of eight thematic layers: boundaries, drainage, transportation, population centers, elevation, land use, land cover and vegetation. Global Map Version 1 was released in 2008. The data cover the whole land area of the globe and are used in various fields, namely climate change, disaster, biodiversity, and education, etc.

Global Map data are updated every five years in order to continuously monitor the changes of global environment. Currently Global Map Version 2 data development is underway with a target completion date of 2012. The Version 2 data adopt the data format compliant to ISO (GML3.2.1) and metadata, and several data items and attributes are added to the data. This revision on the specifications was made for the better use of the Global Map data. Serving as the secretariat of the International Steering Committee for Global Mapping (ISCGM), Geospatial Information Authority of Japan (GSI) support the data development by preparing a manual for the data development, metadata editor, and a tool for the data check, among other activities.

At the presentation, the outline of Global Mapping Project and the activities for the development of Version 2 data are reported.

Keywords: Global Mapping Version2, GML, Global Mapping Project, specifications