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International standards and the testbeds for multi dimensional geoinformation

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The technological development of information processing enables the direct treatment of multi dimensional geoinformation as well as two dimensional system to be projected into GIS. World cooperation has been devoted to create the international standards and the testbeds. We review the various disclosures of world geoinformation through the web and supporting international standards with related metadata like as GML and GeoSciML as well as testbeds like One Geology to consider the contribution to the earth and planetary science by the recent trend.

Keywords: Multi dimensional data, geoinformation, international standard, metadata, testbed