

Committee of Experts on Global Geospatial Information Management

Eleventh session

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Item 13 of the agenda

Implementation and adoption of standards for the global geospatial information community (for discussion and decision)

Statement provided by:

Government of India

Statement:

Dear Chairman,

The collaboration and coordination of UNGGIM, ISO TC 211, IHO and OGC have been important in providing the desired direction to the management of geospatial data, particularly for interoperable sharing for multi-source data integration. The present report has been perused. Standards published by ISO and OGC have been immensely useful in facilitating establishment of interoperable organizational Data Nodes. These Data Nodes have been capable of serving geospatial data and application services those lay the foundation for implementing the Integrated Geospatial Information Infrastructure (IGII). The Global Statistical Geospatial Framework (GSGF) that supports integration of statistical and geospatial data essential to the achievement of SDGs has been tested using the interoperable organizational Data Nodes of Survey of India (SOI) and the Ministry of Statistics & Programme Implementation (MoSPI).

The draft Third Edition of the Standards Guide has been reviewed as a background document to the report on the Standards. With the evolution of technologies and standards, there will always be a need to revise the document from time to time. The Guide thus could be endorsed as a living document.

During the year, standards like ISO 19135 (Procedures for registration of geographical objects), OGC's CSW-ebRIM (Catalogue Service on Web along with the electronic business Registry Information Model) specifications, ISO 28258 (Soil Quality – Digital Exchange of Soil-related Data), and ISO 19156 (Observations and Measurement) have been used in establishing the Centrally-Coordinated Geospatial Catalogue that is in line with the IGIF SP4 guidance. The Catalogue and the registers of NSDI-India are currently being populated by entering the details of the organizational data services from the NSDI Partnering Agencies. Geospatial Data and Process Standards have been made a part of the provisions of the draft National Geospatial Policy (NGP) currently under formulation to support geospatial data governance in the country.

As per the Standards Guide, NSDI-India through its coordination mechanism encourages its partnering agencies at the National and State Levels to implement standards-based solutions in order to ensure interoperability, data sharing, and flexibility to adapt to changing data sources and technologies.

NSDI-India, Department of Science & Technology (DST) notes the requirement to participate, through membership, in the international geospatial standards development processes and meetings of the OGC, ISO/TC 211, and IHO to follow, provide input into, and review standards as they are developed, finalized and approved. DST has been a Principal Member of OGC and uses its standard specifications for implementing the services.

Submitted on:

8/17/2021