

Value Added Services For National Spatial Data Infrastructre

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The present paper is an attempt to highlight value added services essentially required for successful implementation of National Spatial Data Infrastructure (NSDI) in the national level. The services to be provided by the Government sector, Private Sector and Non Governmental Agencies are

- Generation of spatial data
- Creation of digital data and metadata
- Publish metadata of planned acquisition and update activities for NSDI
- Provide fast, low cost reliable access to Geospatial Data.
- Web mapping services for NSDI Framework
- Protect data from unauthorized users

Abstracts GSDI-7 2004 **62**

A special emphasis is given to address the issues related to diversity in spatial data, creation of metadata using low cost technologies and publish metadata and corresponding spatial data.

Since many data generating agencies would face the challenge of meeting specific compliance requirements, an attempt is made to present mechanism, which will eliminate the need to output, parse or deliver individual metadata files for clearinghouse submission.

In addition to the above an attempt is also made to present case study on web based GIS application and its possible linkage with NSDI. This will demonstrate the value added approach to NSDI with description of the following

- Spatial and / or attribute analysis and filtering on GIS data through NSDI.
- Transformation of disparate data sources with varying source projections / datum into a single display projection/datum of user's choice.
- Scale-based display of features.
- Access to feature attribution for customizing "feature Information" requests.
- Support for multi-language character sets for text features.

[Full paper not available](#)