Data Sharing

Data sharing guidelines aim to support data sharing among institutions through adoption of common standards and tools. Recommendations include:

- Establish data sharing protocols and agreements when collaborating with other organizations. Clearly define data formats and quality requirements to ensure compatibility
- Spatial Data Transfer Standard (SDTS) is a standard for transferring spatial data between different computer systems. It defines a structure and format for various types of spatial data, such as vector, raster, and attribute data. By using SDTS, government institutions can ensure that their spatial data can be exchanged with other agencies seamlessly.
- Web Map Service (WMS) is a standard protocol developed by the Open Geospatial Consortium (OGC) for serving georeferenced map images over the Internet. It allows government institutions to share spatial data as map images that can be visualized in various GIS software and web mapping applications.
- Web Feature Service (WFS) also an OGC standard, WFS enables the sharing of geographic features and their attributes over the internet. It allows users to access and retrieve vector-based geographic data directly rather than just images, facilitating data analysis and manipulation
- Spatial data can be large, so using efficient compression techniques and optimized transfer protocols can improve data exchange performance
- Adhere to widely accepted standards and protocols such as those defined by the OGC to help ensure compatibility between systems and data formats

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