

# Types of Geospatial Data Used by State and Local Governments

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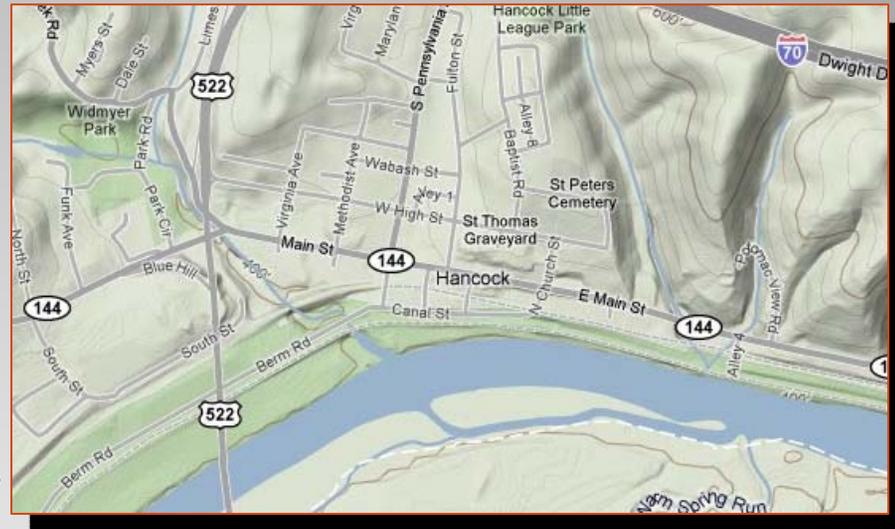
## Library of Congress

Strategy for Framing a National Preservation  
and Access Strategy for Geospatial Data

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- Framework or Base Map Data

- Imagery
- Elevation
- Parcels
- Transportation
- Geodetic Control
- Hydrography
- Political Boundaries



- Widely Used

- Land Use/Land Cover
- Structures
- Many Other Layers

**Common to All Agencies**

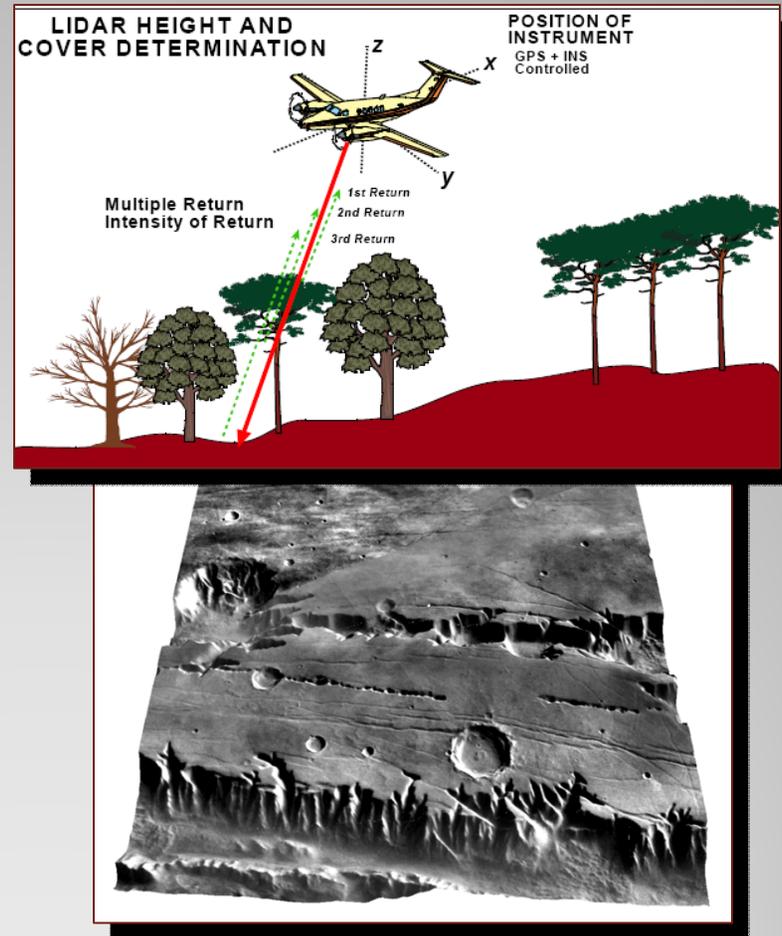
- Critical Infrastructure
- Criminal Activity
- Infectious Disease >
- Demographics
- Biota and Fauna
- Invasive Species
- Zoning
- Energy Resources
- Hazardous Material Storage and Use
- Literally Thousands of Data Types



**Mission/Agency Specific**

- LiDAR

- Raw Point Data
- First Return
- Last Return
- Bare Earth
- Intensity
- 3-D Surface Models
- Contour Lines
- Extracted Data
- Metadata
- Enormous File Sizes



**Most Complex Data**

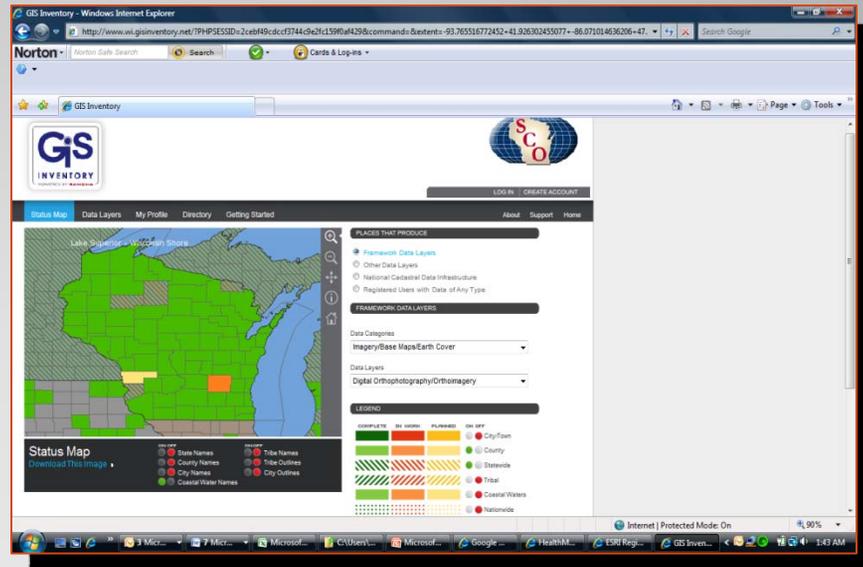
- Imagery
- Points & Attributes
  - Addresses
  - Facility Locations
    - Restaurants
    - Medical Buildings
    - Dams
  - Endangered Plants
  - Mail Boxes
  - Fire Hydrants
- Metadata
- Small to Large Size



Attribute	Record
Feature ID	2009LOC00014567833
X coordinate	1349872.3376
Y coordinate	849552.4981
Number	396
Street	Stanford Court
City	Arnold
State	Maryland
Zip Code	21012

## Simple Data Types

- Maintained by NSGIC
- Can be administered by each state
- Available to all stakeholders to document their data
- Under utilized
- Few government agencies consistently create metadata
- Recently added National Cadastral Inventory



## GIS Inventory System (aka Ramona)

- Multiple products for same location
  - Federal/State/Regional/Tribal/Local
- Multi-temporal products
- Varied levels & types of documentation
- Varied levels of archival preservation
- Varied levels of access and use restrictions
- Varied formats/data models/standards
- Changing technologies
- Few incentives to promote change

## **Considerations for a National Strategy**



**Glad to be here!**