



NR and GIS Data Store

An NPS-wide System for the Management and Distribution of Data and Metadata

The NPS Natural Resource data management community and NPS GIS Program have developed an NPS-wide data and metadata system called the NR and GIS Data Store. The Data Store went live in April 2005 and now contains over 20,000 records for both spatial and non-spatial data sets. The records span a wide range of data types including natural resource databases, boundary data, base data, GIS layer standards, and natural resource database table standards.

The Data Store consolidates GIS data from the former NPS GIS Clearinghouse site housed at North Carolina State University and data from a number of Inventory and Monitoring Program inventories. It also provides a place for publishing non-spatial metadata and data.

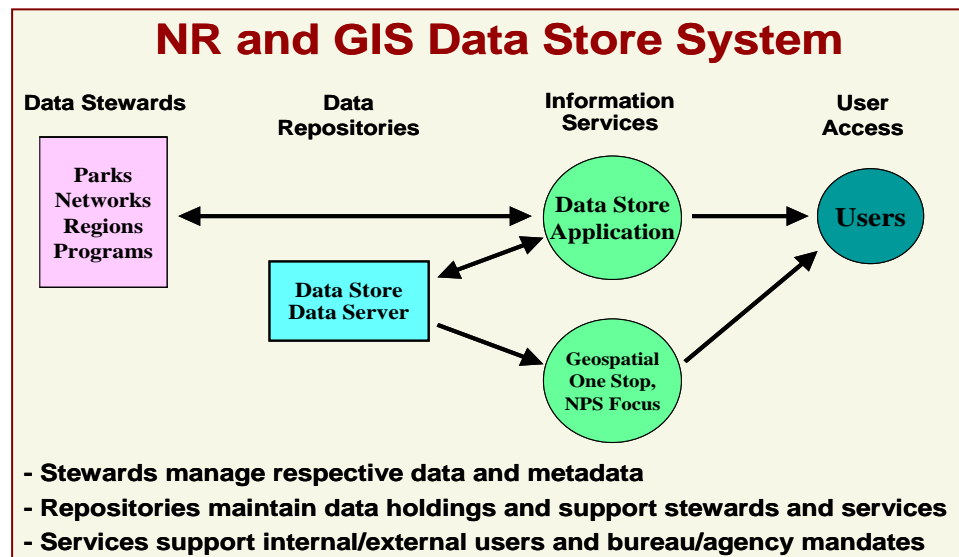
Deliverables

The Data Store delivers the following functions:

- 1) Provides an internal repository for NPS metadata and data
- 2) Provides an internal and external distribution point for NPS metadata and data
- 3) Supports the NRGIS database table and GIS layer standards process
- 4) Automatically posts GIS data to other federal clearinghouses
- 5) Provides data services back to park units

How the Data Store System Works

In a typical workflow for the Data Store, a metadata file is opened in the NPS Metadata Tools & Editor, which operates either within ESRI's ArcCatalog or as a stand-alone application. The metadata is supplemented to add NPS-specific elements from the NPS Profile metadata extension. The metadata, and optionally



The NR & GIS Data Store is a repository for spatial and non-spatial NPS metadata and data that allows public and secure interaction via simple and advanced search options. The Data Store posts data to the federal Geospatial One-Stop and delivers data back to data producers using Web Services technology.

a data file and browse graphic, is then uploaded to the Data Store. Once on the Data Store, metadata records can be searched using a number of simple or advanced criteria.

The Data Store also features advanced publishing capabilities. Automated posting of geospatial data from the Data Store to the federal Geospatial One-Stop meets DOI data distribution mandates and broadens the audience of potential NPS data consumers. Using Web Services technology, the Data Store also delivers records back to NPS park units for use in their own data distribution web applications.

Data Store Partners

The Data Store has a number of partners throughout the NPS including:

The GIS Program
The Inventory and Monitoring Program

The Fire Program
The Lands Division
Everglades National Park
The Natural Sounds Program

Links:

Data Store homepage:
<http://science.nature.nps.gov/nrdata>
Federal Geospatial One-Stop (GOS):
<http://gos2.geodata.gov/wps/portal/gos>
NPS Metadata Tools & Editor:
<http://science.nature.nps.gov/nrgis/tools/editor.cfm>
The NPS Profile metadata extension:
<http://science.nature.nps.gov/nrdata/docs/npsprofile.cfm>