EPA GeoData Gateway (GDG)

The GDG is a geospatial metadata portal that provides a single point of access to EPA's geospatial resources. The GDG contains metadata records contributed by EPA's organizations and links to geospatial resources (e.g., data, services, or applications) described by those metadata records. Unrestricted information that is contributed to the GDG is shared with interagency data sharing portals, including Data.gov and Geospatial One-Stop (GOS).

Content provided to the GDG is managed using a defined governance structure. Each EPA organization assigns one or more GDG Steward that is responsible for contributing to and managing geospatial metadata at the GDG on behalf of their organization. GDG Stewards organize metadata for their organizations and then contribute it to the GDG by uploading it manually or using an automated process called harvesting. Metadata contributed to the GDG is reviewed and approved by the GDG Administrator. Once it is approved, the information is available for others to discover.

For More Information
Michelle Torreano
EPA/OEI/OIC
torreano.michelle@epa.gov
Phone: 202-566-2141
http://geogateway.epa.gov

Includes login for EPA personnel and contractors
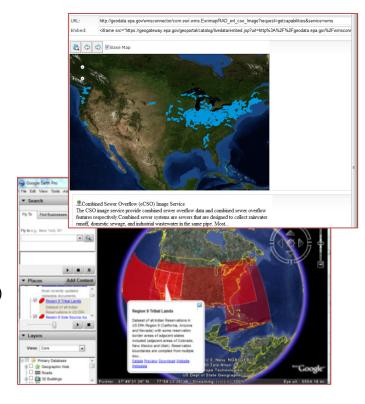
Key Features

The GDG offers users a number of options for accessing geospatial metadata and data. Some of the key features the GDG offers include:

- **Search and Discovery**
  - o Simple, advanced, and targeted search

- **Metadata Browse Capabilities**
  - o Desktop and web-based

- **Data Access and Download**
  - o Downloadable Data Sets
  - o Live Data Services
  - o Interactive Clip N Ship

- **Web-based Map Viewer**
  - o Preview data using GDG map viewer

- **Reusable Components**
  - o GDG REST outputs (GeoRSS, KML, HTML)
  - o GDG Search Widget Plug-in
  - o Catalog Service for the Web interface

Benefits

The GDG provides the following key benefits:

- **The GDG connects people with resources that support EPA's key priorities–** Key data sets, such as climate change, air quality, or environmental justice are available through the GDG.

- **The GDG allows contributors to reuse content to support their mission goals–** The GDG's REST and Search Widget are two tools organizations can use to link to live feeds from the GDG and embed the content directly into their applications. This not only saves time and money but also provides better consistency across the agency.

- **The GDG streamlines EPA's contributions to external metadata sharing portals–** The GDG acts as a single source for EPA's contributions to Data.gov and GOS. Content derived from GDG is consistently managed and updated at these external resources.

- **The GDG supports EPA's Open Government Plan–** The GDG assists in implementing the principles of transparency, participation, and collaboration by helping EPA identify and publish high-value resources.