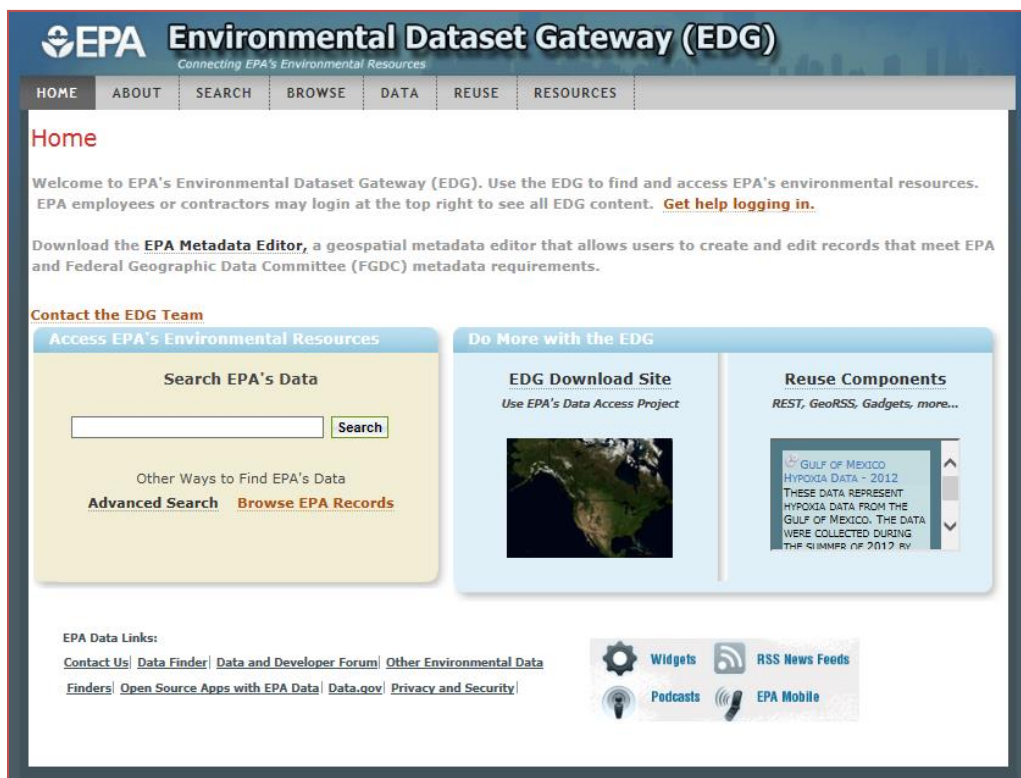# EPA Environmental Dataset Gateway (EDG)

The Environmental Dataset Gateway or EDG is a web-based metadata portal that provides a single point to discover and access EPA's environmental dataset resources. The EDG contains metadata records contributed by EPA Regions, Program Offices, and Research Laboratories that links to geospatial and non-geospatial resources (e.g., data, Web services, or applications). Unrestricted information that is contributed to the EDG is shared with Data.gov.
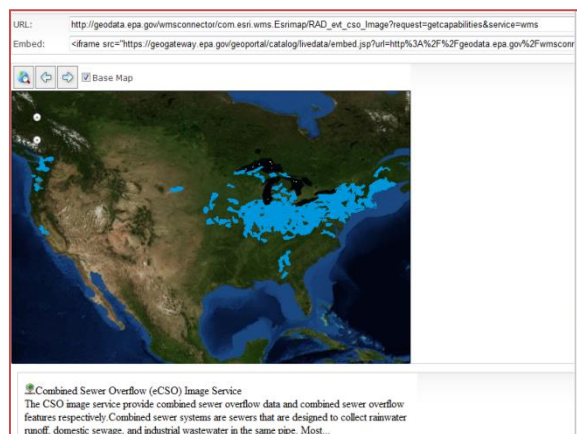

For More Information
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Content provided to the EDG is managed using a defined governance structure. Each EPA office assigns one or more EDG Stewards responsible for contributing and managing dataset metadata at the EDG for their organization. Stewards organize metadata and then contribute it to the EDG by either uploading it manually or using an automated process called synchronization. Metadata contributed to the EDG is reviewed and approved by the EDG Administrative Group. Once approved, the metadata record is available for others to discover.

Key Features

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

- **Search and Discovery**
  - Simple, advanced, and targeted searches for environmental datasets

- **Data Access and Download**
  - Downloadable datasets
  - Access live Web services at the EPA GeoPlatform
  - Interactive Clip-N-Ship

- **Reusable Components**
  - EDG REST outputs (GeoRSS, KML, HTML)
  - EDG Search Widget plug-in
  - Catalog service for the Web interface

Benefits

The EDG provides the following benefits:

- **The EDG connects people with resources that support EPA's priorities –** Datasets such as climate change, air quality, and environmental justice are available through the EDG.

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

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

- **The EDG supports EPA's Open Government Plan and Office of Management and Budget's Open Data Policy –** The EDG assists in implementing the principles of interoperability and openness by making EPA information assets available online.