GeoNetwork opensource

OSGeo

The opensource spatial catalogue

Welcome

GeoNetwork is a catalog application to **register spatially referenced resources**. It provides powerful **metadata editing** and **search** functions as well as an interactive web map viewer. It is currently used in **numerous Spatial Data Infrastructure initiatives across the world**.

Find & get information

GeoNetwork provides an easy to use web interface to search geospatial data across multiple catalogs. The search provides full-text search as well as faceted search on keywords, resource types, organizations, scale, … Users can easily refine the search and quickly get to the records of interest.

GeoSpatial layers, but also services, maps or even non geographic datasets can be described in the catalog. Easily navigate accross records and find sources or services publishing a dataset.

Make your maps

The interactive map viewer based on OpenLayers 3 provides access to OGC services (WMS, WMTS) and standards (KML, OWS). Connected to the catalog, users can easily find new services, layers and even dynamic maps to combine them together. User maps can be annotated and printed and shared with others.

Analyze information

Monitoring and reporting tools provide summarized information about the content of the catalog and statistics on the search. System maintainer can easily access to system status.

Publish & describe resources

Describe information using the online metadata editing tools. The metadata editor supports ISO19115/119/110 standards used for spatial resources and also Dublin Core format usually used for opendata portals.

Based on user profiles (eg. reviewer, editor), a dashboard provides easy access to their informations and tasks. Online editing of metadata is based on a powerful template system and directories of information (eg. contacts, thesaurus).

The editor provides uploading of data, graphics, documents, pdf files and any other content type. It supports among other:

- ▶ multilingual metadata editing,
- ▶ validation system,
- ▶ suggestion to improve metadata quality
- ▶ geopublication of layers to publish geodata layers in OGC services (eg. GeoServer)

Easy configuration

The administration console provides quick access to the system configuration. Easily manage user and group accounts, classification systems from the web interface and schedule metadata harvesting from many sources including:

- ▶ OGC-CSW 2.0.2 ISO Profile
- ▶ OAI-PMH
- ▶ Z39.50 protocols
- ▶ Thredds
- ▶ Webdav
- ▶ Web Accessible Folders
- ▶ ESRI GeoPortal
- ▶ Other GeoNetwork node

GeoNetwork
opensource

www.geonetwork-opensource.org