OpenGeoportal

OGP Metadata Toolkit

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OGP Metadata Toolkit

A cloud-based geospatial metadata toolkit. We need to provide tools for staff, students, and faculty to easily create metadata for their data. The goal is to provide a rapid, guided metadata authoring environment.

OGP Metadata Toolkit

- Auto-populate from File Read
- Support Multiple Metadata Formats
- **Import Metadata**
- **Guided Metadata**
- Current Metadata Authoring Environments
- **Partnerships**
- Data Publisher

Auto-populate from File Read

- Number of attributes, attributes, bounding coordinates, projection, number of features
- Formats: vector: shapefile, geodatabases, maybe KML
- Raster: TIFF, JPEG, GeoTiff, JP2, SID, ESRI GRID, Imagine, ENVI, BILs

Support Multiple Metadata Formats

- **Define core set of tags/fields – ISO**
- Attached additional metadata document and/or links
- Export to Multiple metadata

Import Metadata

- Search for existing metadata record and import from OGP Cloud
- Import single file
- Create metadata templates
- Import metadata from existing

Guided Metadata

- Provide quick ‘Help’ for each element
- Help section with examples
- Incorporate auto-text complete
- Utilize controlled vocabularies – APIs, thesaurus
- Create Originator thesaurus
- Error checking
- Forum and elist – OGP MWG
- Admin functionality
  - Advanced metadata authoring
  - Ingest to our portal
- Ability to define projections
- Visualize bounding coordinates and define bounding coordinates
- APIs?
- GeoSetter? Reads bounding coordinates and recommends place keywords

Existing Metadata Authoring Environments

- INSPIRE – multi-lingual, open source
- GeoNetwork, open source
- EPA editors
- Brown MODS Editor
- NOAA ISO Editor
- Quantum GIS?

Partnerships

- GeoCat working with Tufts
- What institutions interested in working on the Application Development?
- Is it part of the Harvestor separate?

Data Publisher

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OGP Metadata Toolkit Schedule

- GeoCat application development
- January 2013: begin application development
- March 2013: completed

Next Steps

- Do we build on an existing open source platform like INSPIRE?
- Develop specifications with OGP community
- Determine partner developers
- Complete information architecture
  - Usability study?
- Complete design
- Complete development
- Usability study?

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