New Developments

- Open Geoportal 2.0
- Open Geoportal Harvester
- Open Geoportal Metadata Toolkit
- Open Geoportal Hosted Services
- OGP Crawler
OpenGeoportal

Open Geoportal 2.0
Open Geoportal Harvester
What is it?

Open source web application that provides the automation of customized harvesting from partner metadata nodes as well as direct harvesting of XML metadata files within a web directory.

• Organization can create a custom OGP or Geonetwork instance that includes only selected records.
• Supports a variety of metadata formats
• Supports a variety of options to batch process and edit metadata
• Provides additional quality control options when uploading institutional metadata.
Ingest External Records

Use this form to ingest from chosen source directly into the local Solr instance.

Source Repository

Type of Instance:

- Remote OGP Instance

Catalog of Services:

Service name

Url:


Search Criteria (optional)

Required Fields (optional)

Schedule ingest
Ingest External Records

Use this form to ingest from a chosen source directly into the local Solr instance.

**Source Repository**

Type of Instance:

```
WebDAV/WAF
```

WebDAV/WAF Url:

Name OGP Repository

```
Select Data Repositories
```

**Search Criteria**

Filter records by last modified date:

```
 to
```

**OGP Required Fields**

- [ ] Geographic Extent
- [ ] Topic
- [ ] Data Type
- [ ] Theme Keyword
- [ ] Data of Content
- [ ] Data Repository
- [ ] Place Keyword
- [ ] Originator

Schedule Ingest
Schedule Ingest

Use this form to schedule either single or repeating ingest

**Ingest Name:**

**Begin Ingest On:**

**Frequency:**

Once
Ingest Report, Name - 7/29

- **Passed:** 1645 Records
  - Restricted Records: 745
  - Public Records: 120
  - Vector Records: 850
  - Raster Records: 845

- **Warning:** 545 Records
  - Unrequired Fields Warnings: 345
  - Web Service Warnings: 200

- **Failed:** 923 Records
  - Required Fields Errors: 745
  - Web Service Errors: 120
  - System Errors: 58

[Download Metadata]
<table>
<thead>
<tr>
<th>Name</th>
<th>Last Ingest</th>
<th>Next Ingest</th>
<th>Repositories</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York Subway</td>
<td>6/19/13</td>
<td>none</td>
<td>Tufts, Harvard, MIT, Berkeley</td>
</tr>
<tr>
<td>Urban Development</td>
<td>6/21/13</td>
<td>8/21/13</td>
<td>Tufts, Harvard, MIT, Berkeley</td>
</tr>
<tr>
<td>Road Systems</td>
<td>6/22/13</td>
<td>in progress</td>
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</tr>
<tr>
<td>New York Subway</td>
<td>6/28/13</td>
<td>none</td>
<td>Yale, MIT, Berkeley</td>
</tr>
<tr>
<td>Urban Development</td>
<td>7/9/13</td>
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<tr>
<td>Road Systems</td>
<td>7/13/13</td>
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<td>Road Systems</td>
<td>8/2/13</td>
<td>none</td>
<td>Yale, MIT, Berkeley</td>
</tr>
</tbody>
</table>
• **Metadata Formats**
  - FGDC, ISO 19139, OSGEO extended Dublin Core MEF (Metadata Exchange Format) – Geonetwork, MARC

• **Support for ArcGIS Server**

• **Additional Error Checking**
  - Online link required
  - Theme keyword - must have ISO theme keyword
  - Improved error list
  - Validate but not ingest
  - Duplicate datasets
• Batch Edit Metadata
  • Key fields
  • Access constraints
  • Use constraints
• Search other Solr instances and be able to batch download metadata
• Employ a repository management system such as Fedora
• Add some indexing capabilities to Solr schema
Harvester Schedule

• GeoCat application development
• January, 2014
  • Ingest External Records
  • Manage Ingests
  • Admin Page
• March 2014
  • Upload Metadata
  • Process/Edit Metadata
  • Delete Records
OGP Metadata Toolkit

Patrick Florance, Tufts University
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
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
Partnerships

- GeoCat (founder of GeoNetwork) working with Tufts
- Harvard, MIT, UC Berkeley, Stanford
- Interested partners?
OGP Metadata Toolkit Schedule

• GeoCat application development
• January 2013: begin application development
• March 2013: completed
Open Geoportal Hosted Services

- Begin cost models January 2013
- Subscription service: hosting and consultation
- Entire architecture hosted in cloud
  - Interface
  - Data and metadata ingest
  - DBMS, Geoserver, etc.
- Subscriber creates metadata and loads data into OGP hosted service
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