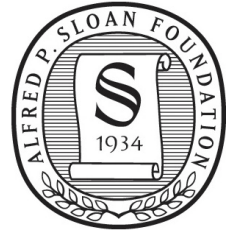




OpenGeoportal

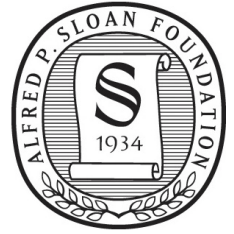


New Developments

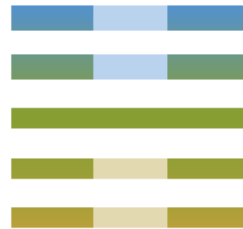
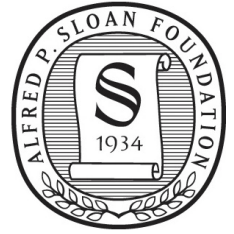
- Open Geoportal 2.0
- Open Geoportal Harvester
- Open Geoportal Metadata Toolkit
- Open Geoportal Hosted Services
- OGP Crawler



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.



Upload Metadata

Ingest External Records

Manage Ingests

Process/Edit Metadata

Delete Records

Admin Page (admin only)

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 ▶



Upload Metadata

[Ingest External Records](#)

Manage Ingests

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Admin Page

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

Custom OGP Instance Uri:

Search Criteria (optional)

Geographic Extent: ?

Theme Keyword: ?

Place Keyword: ?

Topic: ?

Select an ISO topic

Date range of content: ?

to

Originator: ?

Data Type: ?

Select Data Types

Data Repository: ?

Select Repositories

Exclude Restricted Data ?

Filter records by Solr timestamp: ?

to

Custom Solr Query: ?

Need sample label text

OGP Required Fields (optional)

- Geographic Extent
- Theme Keyword
- Place Keyword
- Web Services
- Topic
- Date of Content
- Originator
- Data Type
- Data Repository

Schedule ingest

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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 Uri:

Note: Service must be registered first. Register via the [admin page](#)

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
- Date of Content
- Data Repository
- Place Keyword
- Originator

Schedule ingest ▶

[Upload Metadata](#)

[Ingest External Records](#)

[Manage Ingests](#)

[Process/Edit Metadata](#)

[Delete Records](#)

[Admin Page](#)

Schedule Ingest

Use this form to schedule either single or repeating ingests

Ingest Name:

Begin Ingest On:



Frequency:

[← Ingest Query](#)

[Start ingest](#)



Upload Metadata

Ingest External Records



Manage Ingests

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Admin Page

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](#)



Upload Metadata

Ingest External Records

Manage Ingests

Process/Edit Metadata

Delete Records

Admin Page

Manage Ingests

Name ▼	Last Ingest ▼	Next Ingest ▼	Repositories	
New York Subway	6/19/13	none	Tufts, Harvard, MIT, Berkley...	View Report
Urban Development	6/21/13	8/21/13 cancel	Tufts, Harvard, MIT, Berkley...	View Report
Road Systems	6/22/13	in progress cancel	Tufts, Harvard, MIT, Berkley...	View Report
New York Subway	6/28/13	none	Yale, MIT, Berkley...	View Report
Urban Development	7/9/13	none	Yale, MIT, Berkley...	View Report
Road Systems	7/13/13	8/13/13 cancel	Tufts, Harvard, MIT, Berkley...	View Report
New York Subway	7/19/13	8/19/13 cancel	Tufts, Harvard, MIT, Berkley...	View Report
Urban Development	8/1/13	9/1/13 cancel	Yale, MIT, Berkley...	View Report
Road Systems	8/2/13	none	Yale, MIT, Berkley...	View Report

Upload Metadata

Ingest External Records

Manage Ingests

Process/Edit Metadata

Delete Records

Admin Page

Metadata Ingest

Use this page to ingest FGDC metadata files into GeoServer (Local layers only) and Solr.

Institution (select one)

Tufts ▼

 Ingest to GeoServer and Solr Ingest to GeoServer only Ingest to Solr only

Note: This option only applies to local layers. Ingest will not attempt to configure GeoServer for remote layers.

Required fields Title Publisher Originator Abstract Data Type Theme Keywords Place Keywords Content Date Bounds Access

Note: If you require a field, Solr ingest will fail for a data layer if the metadata does not contain a valid value. If you do not require the field, a warning will still be produced for invalid values.

Select XML metadata file(s) or zipped directory of XML metadata files

[+ Add files...](#)[Start ingest](#)**• 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

[Upload Metadata](#)[Ingest External Records](#)[Manage Ingests](#)[Process/Edit Metadata](#)[Delete Records](#)[Admin Page](#)

- 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

Preprocess Metadata

Use this page to preprocess FGDC metadata files. The returned zip file will contain metadata with updated contact info, cleaned up onlink tags, updated use constraints (if provided), and access constraints. Additionally, it will perform a metadata audit to alert you to potential problems in the ingest process.

Access Constraints File(.txt)

[+ Add file...](#)

Use Constraints File(.txt)

[+ Add file...](#)

Select XML metadata file(s) or zipped directory of XML metadata fil

Access

Metadata File(s)

[+ Add files...](#)[ⓘ Process Metadata](#)

Harvester Schedule

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



OpenGeoportal

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

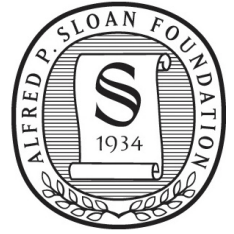
- Begin cost models January 2013
- Subscription service: hosting and consultation
- Entire architecture hosted in cloud
 - Interface
 - Data and metadata ingest
 - DBMS, Geoserver, etc.
- Subscriber creates metadata and loads data into OGP hosted service

Open Geoportal Hosted Services

- Begin cost models January 2013
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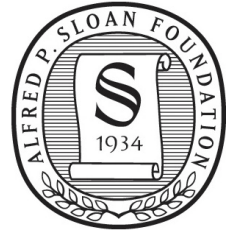
OpenGeoportal



Open Geoportal Crawler



OpenGeoportal



New Developments

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