

# WK1F: Getting Started with Islandora

June 9, 2014  
Helsinki, Finland

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# Islandora

## Agenda

- Introductions
- System & community overview
- Latest Release - Highlights
- Administrative module
- Creating content
- Editing content
- Managing content

# Open Source Software Community



<http://islandora.ca/islandora-installations>


# Estimated 150+ sites worldwide












# Islandora Foundation

- Non-profit Islandora Foundation: help maintain code, documentation, training, community participation and more
- Member-based organization
  - Partner (\$10K, Board Member, Free Camps, Bling)
  - Collaborator (\$4K, Roadmap Team, Free Camp, Bling)
  - Member (\$2K, Discounts, Bling)
  - Individual (\$250, Discounts, Bling)
- Islandora Community and Project Manager (Melissa Anez/Sam Fritz)

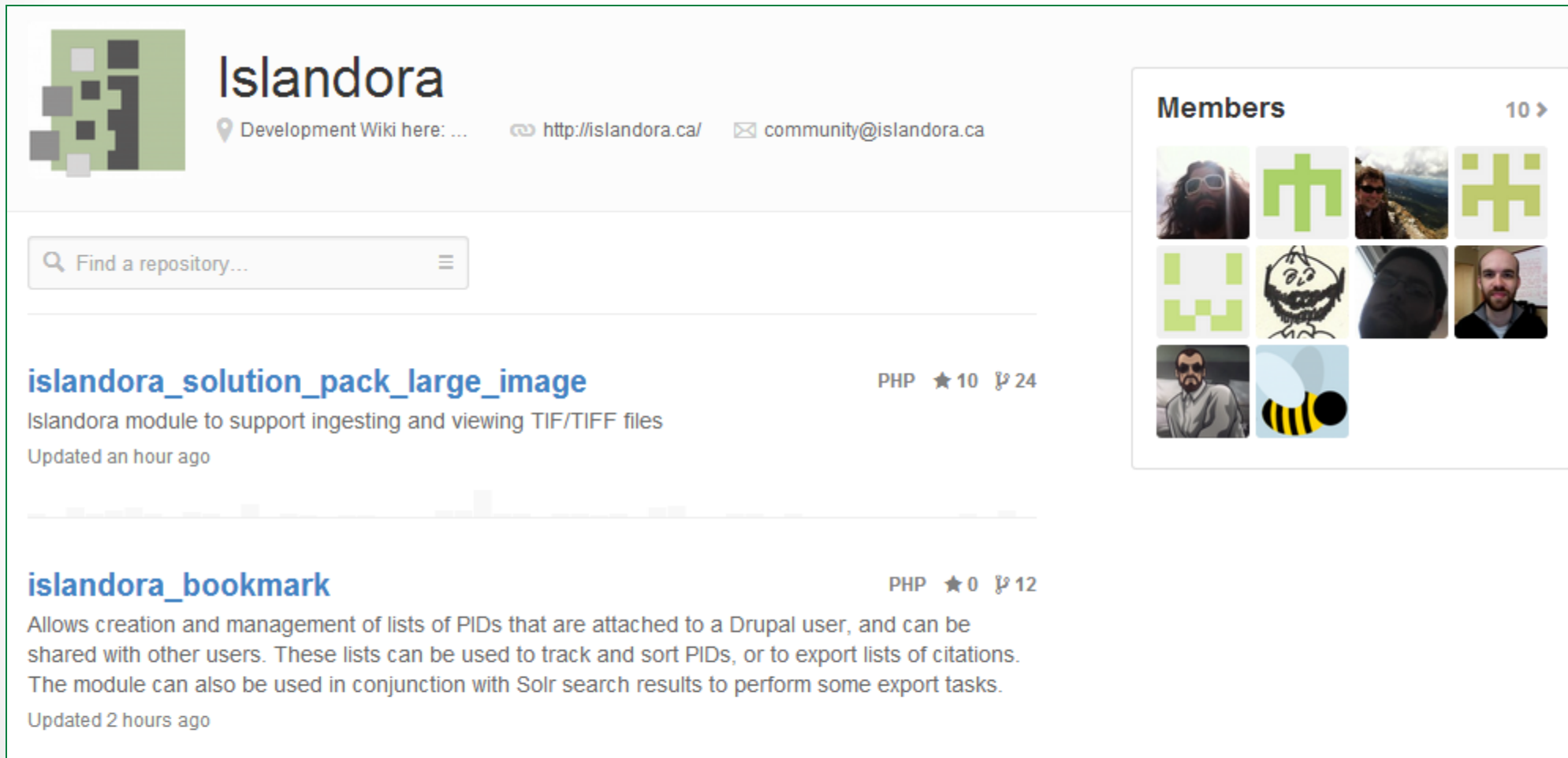
# Online Discussion Forums

islandora Shared publicly  
30 of many topics (99+ unread) ☆ 

Welcome to the Islandora Users group. Learn more about Islandora at [islandora.ca](http://islandora.ca). If you are a developer, you may want to join our developers group ([islandora-dev](#))

-  **Islandora Committers Call - Feb 27th, 2014** (1)  
By Melissa Anez - 1 post - 4 views
-  **jQuery 1.8 and Islandora** (4)  
By Everton Kennedy - 4 posts - 11 views
-  **GitHub Repo roundup** (4)  
By Melissa Anez - 4 posts - 17 views
-  **Islandora Scholar errors** (5)  
By Evan Jackson - 5 posts - 17 views
-  **Video Solution Pack: MP4 creation failed.** (1)  
By Janis T - 1 post - 5 views
-  **Islandora Solr Display Profiles** (3)  
By Evan Jackson - 3 posts - 9 views
-  **Islandora Solr question** (3)  
By Evan Jackson - 3 posts - 27 views
-  **store on islandora** (4)  
By Mehdi Halvaei - 4 posts - 23 views
-  **creating newspapers with Tuque** (9)  
By aaronC - 9 posts - 26 views

# Code Contributors on Github



The screenshot displays the GitHub profile for the 'Islandora' organization. At the top left is the organization's logo, a green and black pixelated design. To its right, the name 'Islandora' is prominently displayed. Below the name, there are links for a development wiki, the website 'http://islandora.ca/', and the email 'community@islandora.ca'. A search bar with the placeholder text 'Find a repository...' is located below the header. Two repositories are listed: 'islandora\_solution\_pack\_large\_image' (PHP, 10 stars, 24 forks) and 'islandora\_bookmark' (PHP, 0 stars, 12 forks). On the right side, a 'Members' section shows a grid of 10 contributor avatars, including several instances of the Islandora logo and various personal photos.

**Islandora**  
Development Wiki here: ... <http://islandora.ca/> [community@islandora.ca](mailto:community@islandora.ca)

Find a repository...

**islandora\_solution\_pack\_large\_image** PHP ★ 10 🍴 24  
Islandora module to support ingesting and viewing TIF/TIFF files  
Updated an hour ago

**islandora\_bookmark** PHP ★ 0 🍴 12  
Allows creation and management of lists of PIDs that are attached to a Drupal user, and can be shared with other users. These lists can be used to track and sort PIDs, or to export lists of citations. The module can also be used in conjunction with Solr search results to perform some export tasks.  
Updated 2 hours ago

**Members** 10 >

<https://github.com/Islandora>

# Open Source Software Stack

- Web interface (Drupal)



- Search (Solr)



- Preservation (Fedora)





# Islandora Objects and Components

## Demo Collection

1 2 next > last >

Grid view



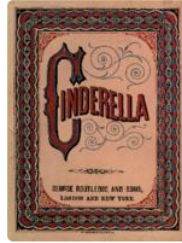
0.2 T magnetic field inhibits angiogenesis in chick embryo chorioallantoic membrane.



Beach Project



Blues Lesson 1



Cinderella



Elmsdale



Knife-Thrower and Children



Le Lion

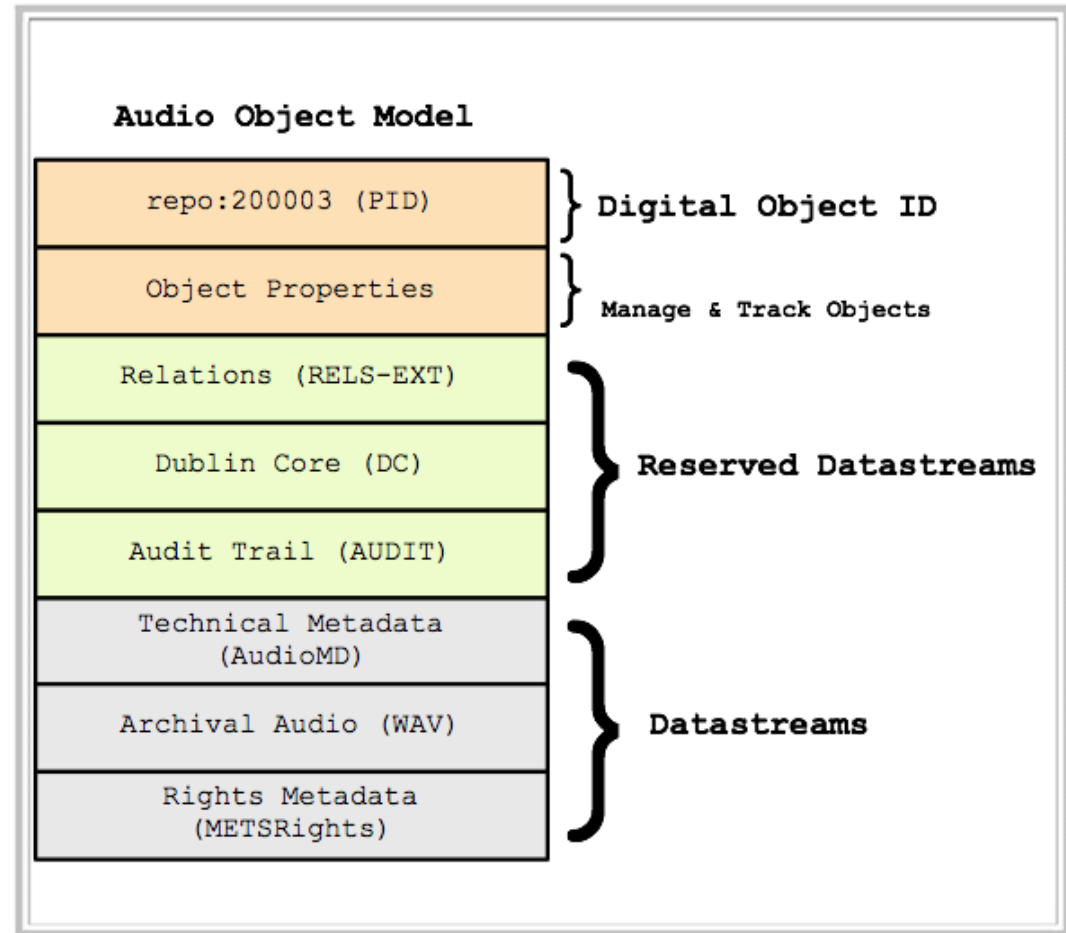


Lutetia Paris

- Each object has vital datastreams
  - RELS-EXT
  - DC/MODS
- But there are usually many more such as mods, techMD, PREMIS, preview, thumbnail, etc.

# Islandora Solution Packs

- Solution Packs
  - Standard Image
  - Large Image
  - Book
  - Newspaper
  - PDF
  - Audio
  - Video
  - Binary/File
  - Compound



# Setting up Islandora

- Host locally or in the cloud
- Configure as a single site or a multi-site (i.e. one Fedora Commons Repo and Many Drupal Sites).
- Examples: University of Prince Edward Island VRE, CAIRNRepo

The screenshot displays the website for the Council of Atlantic University Libraries (CAUL) and the CAUL Atlantic Islandora Repository Network (CAIRN). The header includes the CAUL/CBIA logo, the organization's name, and navigation links for Home, CAUL, and Login. A secondary navigation bar contains links for About, Repository, The Network, Reference List, and Contact, along with a search box. The main content area features a 'Welcome to CAIRN' section with a descriptive paragraph and a historical map of the Atlantic region. Below this are two columns titled 'The Repositories' listing member institutions. The footer contains links to CAUL Home and CAIRN Home, the CAUL/CBIA logo, the Islandora logo, and the text 'Powered by Islandora'.

CAUL  
CBIA

Council of Atlantic University Libraries  
CAUL ATLANTIC ISLANDORA REPOSITORY NETWORK

Home | CAUL | Login

About Repository The Network Reference List Contact Search

**Welcome to CAIRN**

CAIRN is a CAUL initiative, aimed at providing information about digital collections and data held by Atlantic Canada's post secondary institutions, and working toward both a single point of access and search for Atlantic Canadian collections and a strong network supporting best-practices data stewardship, ensuring the continuance of the history, culture, and research performed in this region.

**The Repositories**

Acadia University  
Atlantic School of Theology  
Cape Breton University  
Dalhousie University  
Mount Allison University  
Mount Saint Vincent University  
NSCAD  
Nova Scotia Community College  
Saint Mary's University

**The Repositories**

Memorial University of Newfoundland  
St. Francis Xavier University  
University of King's College  
University of New Brunswick – Saint John  
University of New Brunswick  
University of Prince Edward Island  
Université Sainte-Anne  
Université de Moncton

CAUL  
CAUL Home  
AAU

CAIRN  
CAIRN Home  
The Network

CAUL  
CBIA

islandora™

Powered by Islandora

# Islandora

## 7.x-1.3

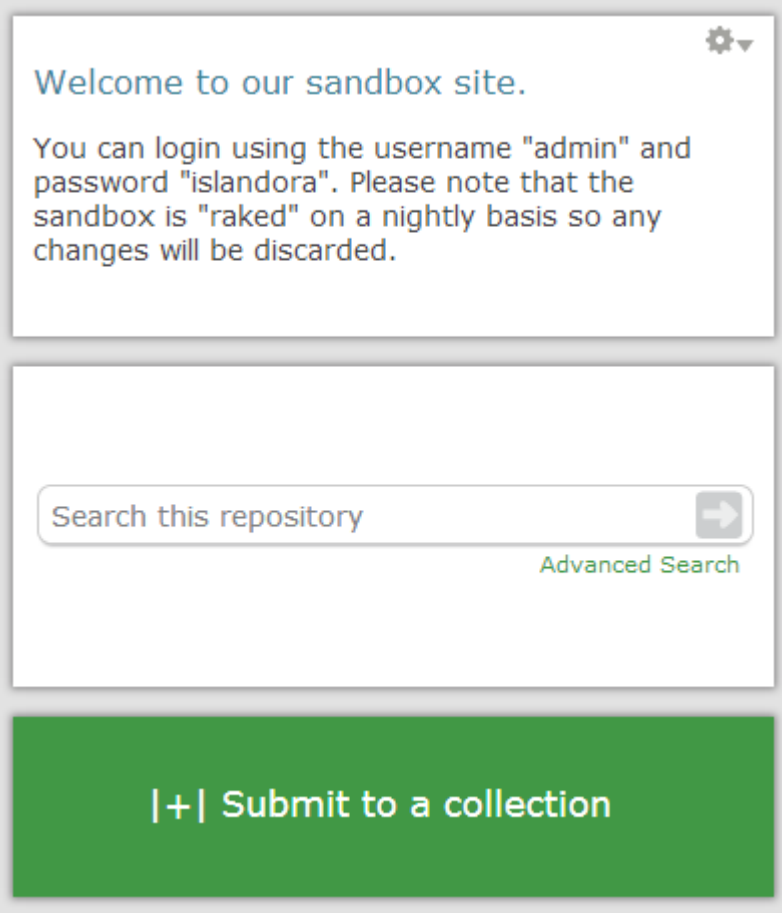
- [SCHOLAR](#)
  - Embargo
  - Citation Style Language
  - RoMEO Integration
  - Citation Import
  - Citation Export
  - Bookmarks
  - Open Archives Initiative
  - Google Scholar
  - Zotero
  - Bibutils

- PREMIS
- XQUERY

The screenshot shows the Islandora OnDemand website interface. At the top left, the logo for 'discoverygarden' is displayed with the tagline 'Managing Digital Content'. To its right, the text 'Islandora OnDemand' and 'Managing Digital Content' is visible. In the top right corner, there are navigation links: 'About this site', 'Browse repository', and 'My Bookmarks'. Below the header is a horizontal carousel of four images: a beach, a blue sky over water, a spiral galaxy, and a colorful nebula. Navigation arrows are present on the left and right sides of the carousel. To the right of the carousel is a white box containing a welcome message: 'Welcome to our sandbox site. You can login using the username "admin" and password "islandora". Please note that the sandbox is "raked" on a nightly basis so any changes will be discarded.' Below this is a search bar with the text 'Search this repository' and a search button. To the right of the search bar is a link for 'Advanced Search'. Below the search bar is a green button with the text '[+] Submit to a collection'. Below the carousel is a section titled 'Featured Collections'. This section contains four items, each with a small image and a title: 1. 'Nakamuka' with a microphone icon and a short paragraph of text. 2. 'Space Project' with a galaxy icon and a short paragraph of text. 3. 'Dead Star Creates Celestial Havoc' with a nebula icon and a short paragraph of text. 4. 'Sample Meeting Minutes' with a document icon and a short paragraph of text.

# Site Administration

- Users, Roles, Permissions
  - YourSite/admin/people/permissions
- Managing themes, structure and blocks.
  - YourSite/admin/appearance
  - YourSite/admin/structure
- Solr Settings (search results display, advanced search, facets)
  - YourSite/admin/islandora/search/islandora\_solr/settings
- New Solr Metadata Module for custom record display
  - /admin/islandora/search/islandora\_solr/metadata



The screenshot displays a user interface for site administration. At the top, there is a welcome message: "Welcome to our sandbox site." followed by a gear icon. Below this, a paragraph of text provides login instructions: "You can login using the username 'admin' and password 'islandora'. Please note that the sandbox is 'raked' on a nightly basis so any changes will be discarded." The middle section features a search bar with the placeholder text "Search this repository" and a right-pointing arrow button. Below the search bar, the text "Advanced Search" is visible. At the bottom, there is a prominent green button with the text "|+| Submit to a collection".

# Solr Configuration – the basics

**Default display settings**

**Sort settings**

**Facet settings**

**Advanced search block**

**Query defaults**

**Required Solr fields**

**Other**

**Display fields**

[Show row weights](#)

SOLR FIELD	SETTINGS	OPERATIONS
⊕ fgs_label_s	Label: Title	<a href="#">configure</a> <a href="#">remove</a>
⊕ fgs_createdDate_dt	Label: Date Submitted	<a href="#">configure</a> <a href="#">remove</a>
⊕ dc.description	Label: Description	<a href="#">configure</a> <a href="#">remove</a>
⊕ OCR_t	Label: Full Text	<a href="#">configure</a> <a href="#">remove</a>
⊕ dc.subject	Label: Subject	<a href="#">configure</a> <a href="#">remove</a>

**Add another item**

Set labels for Solr fields to be included in the search results.

# Solr Configuration - Record display

## Select a viewer

DEFAULT	LABEL	DESCRIPTION	CONFIGURATION
<input type="radio"/>	None	Don't show any metadata for displaying	
<input type="radio"/>	Dublin Core	Dublin Core metadata	
<input checked="" type="radio"/>	Islandora Solr Metadata	Metadata display driven by the Islandora Solr Search module	<a href="#">configure</a>

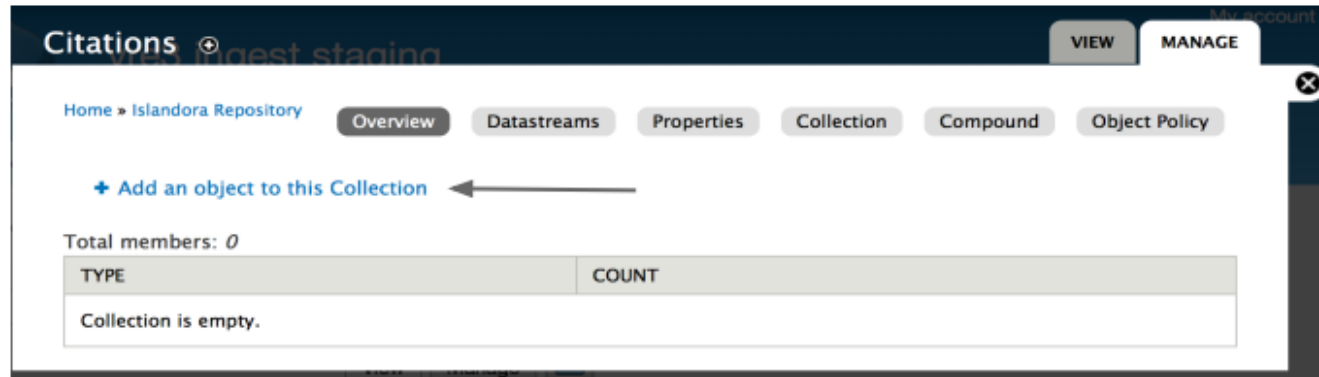
Preferred metadata display for Islandora. These may be provided by third-party modules.

Save configuration

YourSite/admin/islandora/metadata

YourSite/admin/islandora/search/islandora\_solr/metadata

# Ingest



Process is similar for most content types



# Ingest

- Users need permission to be able to ingest
  - Go to the manage tab
  - Add a new object
  - Select a form (if multiple associated)
  - Fill out the form
  - Add file
- Batch ingest is different
    - Manage tab
    - Collection button
    - Batch ingest objects
      - Book batch to create complete books or to simply create the container object with record, and then zip upload pages.
      - Sample content [here](#)

# Editing

Home » Islandora Repository » Citations

Overview

**Datastreams**

Properties

Compound

Embargo

Object Policy

[+ Add a datastream](#)




A Late Pleistocene time-series of bottom-current speed in the Vema Channel – changeme:5

ID	LABEL	TYPE	MIME TYPE	SIZE	VERSIONS	OPERATIONS
<a href="#">RELS-EXT</a>	Fedora Object to Object Relationship Metadata.	Inline XML	application/rdf+xml	764 B	22	<a href="#">download</a>
<a href="#">MODS</a>	MODS Record	Managed	text/xml	4.23 KB	1	<a href="#">download</a> <a href="#">edit</a> <a href="#">delete</a>
<a href="#">DC</a>	DC Record	Inline XML	text/xml	2.8 KB	1	<a href="#">download</a>
<a href="#">PDF</a>	PDF datastream	Managed	application/pdf	70.76 KB	1	<a href="#">download</a> <a href="#">delete</a>
<a href="#">PREVIEW</a>	PREVIEW	Managed	image/jpeg	35.66 KB	1	<a href="#">download</a> <a href="#">delete</a>
<a href="#">FULL_TEXT</a>	FULL_TEXT	Managed	text/plain	1.27 KB	1	<a href="#">download</a> <a href="#">delete</a>
<a href="#">TN</a>	TN	Managed	image/jpeg	759.6 KB	1	<a href="#">download</a> <a href="#">delete</a>
<a href="#">POLICY</a>	XACML Policy Stream	Inline XML	text/xml	3.74 KB	5	<a href="#">download</a> <a href="#">delete</a>

# Editing

- Done from the Datastreams interface
  - User needs permission to edit objects
  - Edit functions takes user to the form where changes, additions, deletions can be submitted.
- User can also apply restrictions on specific datastreams with the object policy interface.

# Deleting

UWS Home vUWS MyMail Academic Skills Staff Directory iPay My Library Air UWS-Lite Logout    Staff Login

## A Late Pleistocene time-series of bottom-current speed in the Vema Channel

[VIEW](#) [DOCUMENT](#) [IP EMBARGO](#) [MANAGE](#) [MARCXML](#)

[Home](#) » [Islandora Repository](#) » [Citations](#)

[Overview](#) [Datastreams](#) [Properties](#) [Compound](#) [Embargo](#) [Object Policy](#)

**Item Label \***

A human-readable label

**Owner**

The owner's account name

**State \***

▾

The object's state (active, inactive or deleted)

[Update Properties](#) [Permanently remove 'A Late Pleistocene time...' from repository](#)

# Deleting

- Objects can be
  - Restricted (XACML)
  - Made inactive (properties)
  - Purged (removed from Fedora)
- Note: For objects that have children (i.e. a book with pages) if the parent is purged the children will be as well.

# Object State

The screenshot displays the 'Nakamuka' object management page. At the top, there are navigation links: 'About this site', 'Browse repository', and 'My Bookm'. Below these are tabs for 'VIEW', 'IP EMBARGO', 'MANAGE', and 'MARCXML'. The 'MANAGE' tab is active, and within it, the 'Properties' sub-tab is selected, indicated by a red arrow. The breadcrumb trail shows 'Home » Islandora Repository » Featured Objects'. The main content area includes several fields: 'Item Label \*' with the value 'Nakamuka', 'Owner' with the value 'Erin Tripp', and 'State \*' with a dropdown menu set to 'Active'. The 'State' field is highlighted with a red box. At the bottom, there are two buttons: 'Update Properties' and 'Permanently remove 'Nakamuka' from repository'.

Nakamuka

Islandora OnDemand

VIEW IP EMBARGO MANAGE MARCXML

Home » Islandora Repository » Featured Objects

Overview Datastreams **Properties** Compound Object Policy Technical Metadata

**Item Label \***

Nakamuka

A human-readable label

**Owner**

Erin Tripp

The owner's account name

**State \***

Active ▼

The object's state (active, inactive or deleted)

Update Properties Permanently remove 'Nakamuka' from repository

# Simple Workflow

[Workflow](#) [Manage repository](#) [My account](#) [Log out](#)

## Simple Workflow objects

[Home](#) » [Administration](#)

TITLE	
<a href="#">sub title 1</a>	<a href="#">Manage</a>
<a href="#">a third subtitle</a>	<a href="#">Manage</a>
<a href="#">delete test title</a>	<a href="#">Manage</a>
<a href="#">Test-Glenn and Clare Millikan: Wedding day</a>	<a href="#">Manage</a>
<a href="#">Coles test record 1 delete</a>	<a href="#">Manage</a>
<a href="#">Delete Test LJS</a>	<a href="#">Manage</a>
<a href="#">test</a>	<a href="#">Manage</a>

YourSite/admin/islandora/simple\_workflow/list

# Sharing and migrating objects

Home » Islandora Repository

Overview Datastreams Properties **Collection** Compound Object Policy

+ Batch Import Objects

**Manage collection policy**

- Share members**
- Migrate members**
- Delete members of this collection**

**Manage XACML Inheritance**

**Share members with collection**

Audio Collection

Members can be shared with any number of collections.

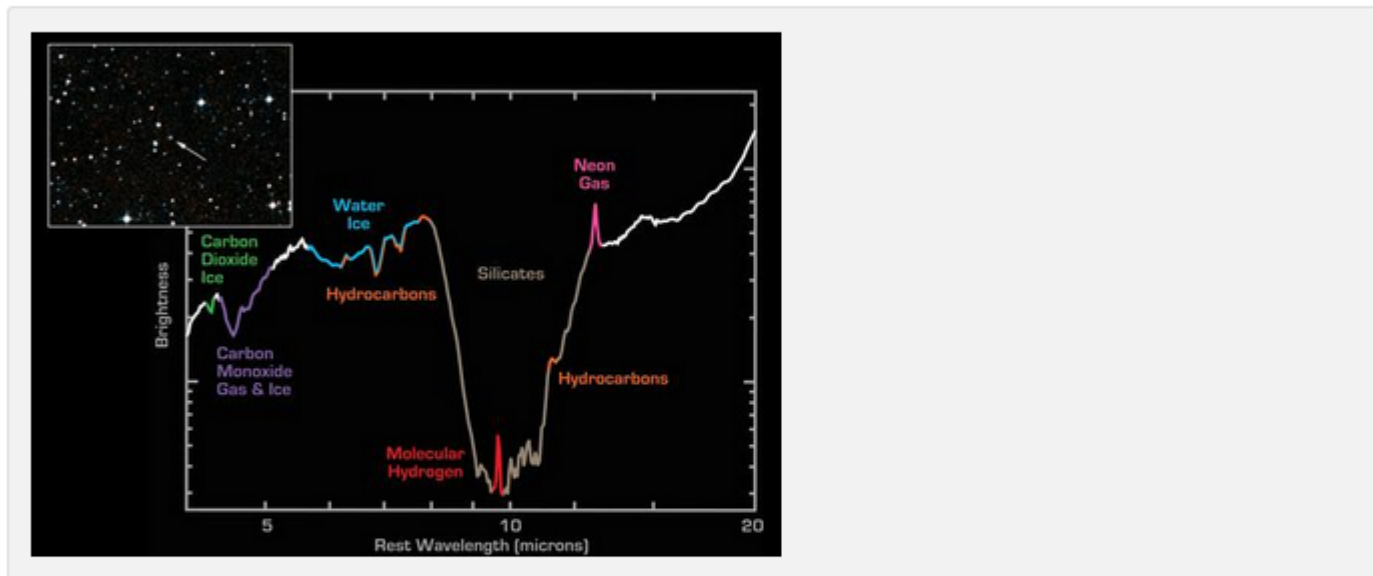
<input type="checkbox"/>	LABEL	OWNER	DATE MODIFIED
<input type="checkbox"/>	Dead Star Creates Celestial Havoc	admin	2013-11-27T18:24:57.085Z
<input type="checkbox"/>	Nakamuka	Erin Tripp	2013-09-26T12:28:30.166Z
<input type="checkbox"/>	Sample Meeting Minutes	Erin Tripp	2013-09-26T12:28:30.42Z
<input type="checkbox"/>	Space Project	Erin Tripp	2013-09-26T12:28:31.23Z

Share selected objects Share All Objects



# Compound Objects

## Spectrum from Faint Galaxy IRAS F00183-7111

[View](#)[IP Embargo](#)[Manage](#)[MARCXML](#)

### In collections

- [Basic Image Collection](#)

#### ▼ Details

<b>Title</b>	Spectrum from Faint Galaxy IRAS F00183-7111
<b>Subtitle</b>	
<b>Personal Name(s)</b>	

Part of: [Compound Object](#)  
(5 objects) [manage](#)

[parent](#)

[Previous](#) | [Next](#)

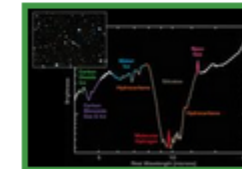
[Baby on beach](#)



[Baby Lobster](#)



[Spectrum from Faint Galaxy IRAS F00183-7111](#)



[Sprinkler](#)



# Restriction Access

- Scholar Embargo
- IP Embargo
- XACML and Drupal permissions

View IP Embargo Manage MARCXML

**IP address range list**  
Sample Network LList  
The list of IP ranges for which this object will be available. Any other ne

**Expiry**  
May 30 2014  
When the Embargo will end.

Never expire  
This embargo should never expire, overrides the Expiry date field.

Set Embargo

TYPE	EMBARGO EXPIRY
No items currently embargoed!	
<b>Item to be embargoed</b> Object-level embargo	
<b>Embargo Options</b> <input checked="" type="radio"/> Set the embargo date <input type="radio"/> Embargo indefinitely (Indefinite embargos must be lifted manually).	
<b>Embargo date</b> Jun 6 2014 A date until which this item should be embargoed.	
Update	

Islandora XACML Editor

Home » Islandora Repository » Featured Objects » Space Project

- Enable XACML Restrictions on Object Management
- Enable XACML Restrictions on Object Viewing
- Enable XACML Restrictions on DSIDs and MIME types

Set Permissions

# Form Builder – the basics

[+ Create Form](#) [+ Import Form](#)

TITLE	TYPE	OPERATIONS			
Audio MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Basic image MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Citation MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Compound Object MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Document MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Islandora Book MODS Form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Large image MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Newspaper	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
Newspaper Issue	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>
PDF MODS form	Built-in	<a href="#">Copy</a>	<a href="#">View</a>	<a href="#">Export</a>	<a href="#">Associate</a>

[YourSite/admin/islandora/xmlform](#)

# sandbox.discoverygarden.ca

[erin@discoverygarden.ca](mailto:erin@discoverygarden.ca) & [mleggott@discoverygarden.ca](mailto:mleggott@discoverygarden.ca)

