Integrating Community: Local Contexts & ArchivesSpace

Joshua Shaw

Digital Library Technologies Group
Dartmouth Library, Dartmouth College
How we got here

• This plugin was initially inspired by the ongoing collaboration between Dartmouth Library and the Hood Museum fostered by the Advancing Pathways for Long-Term Collaboration grant from the Mellon Foundation. The grant’s purpose is to "advance significant cross-institutional and community-centered collaboration grounded in Dartmouth’s Native American and Indigenous Arctic collections."

• Integrating the Local Contexts Labels and Notices and partnering with communities to identify and return control of materials is part of that collaboration process.

• In designing the plugin I’ve worked closely with the Local Contexts team to ensure that the plugin meets best practices for using the Labels and Notices. Shout out to Ashley Rojas & Diana Lovette specifically!
What does the plugin do?

- The plugin provides staff users with the ability to link an object in ArchivesSpace with a Local Contexts Hub project.
- Resources, accessions, archival objects, digital objects, and digital object components can all be linked to a project.
- The Labels, Notices, and other data associated with the project will be displayed in ArchivesSpace – both in the staff interface and the PUI.
Installing

• The plugin modifies the ArchivesSpace database so you will need to run the setup-database script before using the plugin.

• Adds a new object (a Local Contexts Project) to ArchivesSpace as a top-level, independent type.

• Adds a new sub-record to Accessions, Resources, Archival Objects, Digital Objects, and Digital Object Components.

• The plugin overrides several core methods and views. Please see the ReadMe for more information. If you have other plugins or customizations that also override the same methods or views, you will need to reconcile those changes with the plugin.
Viewing all Local Contexts Projects

- All users can view existing Local Contexts Projects by clicking on the gear icon next to the repository name and then navigating to Plugins / Local Contexts Projects.

- That view shows you all the existing Local Contexts Projects listed in ArchivesSpace. You can do some minimal sorting and filtering here as you would for any search type view.
Viewing a Local Contexts Project

• From the list of Local Context Projects, you can choose to view details about a specific Project.

• In addition to the standard basic details and linked records list, you can choose to view the Local Contexts Data. Labels and Notices data is formatted, but the entirety of the API data is also viewable in raw JSON.
Viewing a Local Contexts Project – full data

Sample Project With Three Notices

Project Id: a3968688-636c-4ded-b594-26f31bb735cc
Project Name: Sample Project With Three Notices
Hub Project Public or Discoverable?: True
Project Id: a3968688-636c-4ded-b594-26f31bb735cc
Local Contexts Hub Project Name: Sample Project With Three Notices

Attribution Incomplete Notice

Collections and items in our institution have incomplete, inaccurate, and/or missing attribution. We are using this notice to clearly identify this material so that it can be updated, or corrected by communities of origin. Our institution is committed to collaboration and partnerships to address this problem of incorrect or missing attribution.

Biocultural (BC) Notice

The BC (Biocultural) Notice is a visible notification that there are accompanying cultural rights and responsibilities that need further attention for any future sharing and use of this material. The BC Notice may indicate that BC Labels are in development and their implementation is being negotiated.

Traditional Knowledge (TK) Notice

The TK (Traditional Knowledge) Notice is a visible notification that there are accompanying cultural rights and responsibilities that need further attention for any future sharing and use of this material. The TK Notice may indicate that TK Labels are in development and their implementation is being negotiated.
Viewing a Local Contexts Project – full data

Project Id: 9d60d231-d6b3-4c70-afcf-aa5925036a53
Local Contexts Hub Project Name: Description of Pomka Athusossuwiye (Snake song and dance, audio recording)

BC Clan (BC CL)

This Label is being used to indicate that this material is traditionally and usually not publicly available. The Label lets future users know that this data has specific conditions for use and sharing because of clan membership and/or relationships. This Label asks viewers of this data to respect the cultural values and expectations about circulation and use defined by designated clans, members, and their internal relations.

Placed By: Southwest Community

Southwest BC Clan (English)
Adding a Local Contexts Project

- A user with the necessary permissions can create a new Local Contexts Project.

- The new Project record requires
  - the Local Contexts Hub Project id
  - a user supplied human readable name for the Project.

- Hub Projects can be set so that the data for the Project is not accessible publicly. If the Project you are linking to has not been made public yet, untick the checkbox.
Technical Details - Caching Local Contexts Project data

- On startup, the plugin checks for, and creates if necessary, a new directory in the standard ArchivesSpace data directory named ‘local_contexts_cache’.

- When a Local Contexts Project is created in ArchivesSpace, the plugin sends off a request to the API and stores that data locally.

- Each time a Local Contexts project’s data is viewed in ArchivesSpace, the plugin checks the locally cached copy to see if its out of date. If it is, the plugin fetches an updated version of the data from the API. If the data is still fresh, then the plugin displays the data from the cached copy.

- The plugin checks all existing cached projects on startup and refreshes the data if it is older than the configured cache times.

- Cache time for Labels and Notices is managed with a new configuration option `AppConfig['local_contexts_cache_time']` which is set to 7 days by default.

- The lone exception is the Open to Collaborate Notice whose cache time is managed separately by `AppConfig['local_contexts_open_to_collaborate_cache_time']` which is set to 30 days by default.

- API calls are rate limited to prevent overload of the Local Context API. The rate limit is set by `AppConfig['local_contexts_api_wait_time']` and defaults to 30 seconds between queries.
Technical Details - Managing Local Contexts Cache

- The cache for a Local Contexts project can be updated on demand instead of waiting for the configured cache time to elapse.
- The cached data for all projects can also be refreshed on demand.
- A user with the necessary permissions can choose the ‘Reset Local Contexts Project Cache’ option from the list of all Projects which displays a modal where the user can choose to refresh a single project’s data or all project data.
- Refreshing the cache for all projects is managed as a background job.
- You probably won’t need to use the manual ‘refresh all’ option since the plugin also defines a con job to refresh all project data. `AppConfig[:local_contexts_refresh_cache_cron]` is set to refresh the data at 1AM on Sunday.
Linking a Project to a Record - Edit

• Once a Local Contexts Project listing has been created, you can link it to one or more records in ArchivesSpace.

• The linking is accomplished with a standard type-ahead field.

• In practice, you will most likely only be linking one project per record, but you can link as many as needed.
Linking a Project to a Record - View

• The data for the linked project can be viewed on the record and provides the same detail as on the view of the project itself.
Project Data Inheritance

- The data for a linked Project is inherited by any descendant objects in the tree, unless a descendant object is directly linked to a Project.

Files display series Project data (and indicate it is inherited). Any child objects will also display the inherited series data unless they are directly linked to a Project.

File displays directly linked Project data. Any child object will also display the File data unless they are linked directly to a Project.
Exporting Project Data – with Technical details

- The exports for EAD and EAD3 have been modified to include the Local Contexts project data with a preliminary mapping between the Labels and Notices and EAD/EAD3 fields. The mapping is subject to change as I work with the Local Contexts team to find the most appropriate fields. You can see the current mapping in the plugin’s ReadMe file.

- MARC export modifications are planned and I am working with the Local Contexts team to map the Labels and Notices to the most appropriate MARC fields.

- PDF exports have also been modified to included Local Contexts Project data. Display of the Labels and Notices requires that the image associated with the Label or Notice be displayed with the descriptive text.

- To that end, unless configured otherwise, the plugin moves aside the current as-ead-pdf.xsl stylesheet and replaces it with a modified version that renders the images inline in the pdf. If you have made changes to this file, set `AppConfig[:local_contexts_replace_xsl] = false` and reconcile your changes with the plugin changes.
Exporting Project Data – EAD/EAD3 mapping

# Notices
'traditional_knowledge' => 'userestrict',
'biocultural' => 'userestrict',
'attribution_incomplete' => 'custodhist',
'open_to_collaborate' => 'odd',

# TK Labels
'attribution' => 'custodhist',
'clan' => 'custodhist',
'family' => 'custodhist',
'outreach' => 'userestrict',
'tk_multiple_community' => 'custodhist',
'non_verified' => 'accessrestrict',
'verified' => 'accessrestrict',
'non_commercial' => 'userestrict',
'commercial' => 'userestrict',
'culturally_sensitive' => 'accessrestrict',
'community_voice' => 'custodhist',
'community_use_only' => 'userestrict',
'seasonal' => 'accessrestrict',
'women_general' => 'accessrestrict',
'men_general' => 'accessrestrict',
'men_restricted' => 'accessrestrict',
'women_restricted' => 'accessrestrict',
'secret_sacred' => 'accessrestrict',
'open_to_collaboration' => 'userestrict',
'creative' => 'custodhist',

# BC Labels
'provenance' => 'custodhist',
'commercialization' => 'userestrict',
'non_commercial' => 'userestrict',
'collaboration' => 'userestrict',
'consent_verified' => 'accessrestrict',
'consent_non_verified' => 'accessrestrict',
'multiple_community' => 'custodhist',
'research' => 'userestrict',
'clan' => 'custodhist',
'outreach' => 'userestrict'
Exporting Project Data - examples

Series With Local Contexts Project

Local Contexts Information

This material is related to a Local Contexts project which may have associated various Biocultural Labels, Traditional Knowledge Labels, Notices, and Institution Notices with this material.

Local Contexts Labels and Notices for this material as of: August 16, 2022. Please check the project in the Local Contexts Hub for current information.

Sample Project With Three Notices

View this project on the Local Contexts Hub (Project ID: e3968984-636c-4ded-b594-28f31bb735cc)

Attribution Incomplete Notice:

Collections and items in our institution have incomplete, inaccurate, and/or missing attribution. We are using this notice to clearly identify this material so that it can be updated, or corrected by communities.
Additional Options – Reports

• The plugin adds a new report to the staff interface that lists all objects with the Local Projects they are linked to.
General Information

PUI Displays - Records

- The plugin adds several components to the PUI
  - Images for linked project Labels and Notices are added just under the object title.
  - The Labels and Notices images link to the accordion section where the project details are included.
  - A link to the view the project in the Hub is also included in the details section.
  - If translations or audio are included in the project data, those are also displayed.
PUI Displays - Inheritance

• Objects will inherit project data details and display those with a link to the object the project is directly linked to unless the object has been directly linked to a project.

Files display series Project data (and indicates it is inherited). Any child objects will also display the inherited series data unless they are directly linked to a Project.

File displays directly linked Project data. Any child object will also display the File data unless they are linked directly to a Project.
PUI Displays - Inheritance

Series with own Project data

**Series with LCP**

- `Series`
- `Test Me Repo`
- `Test Resource (T-1)`
- `Series with LCP`

**Local Contexts Information**

This material is related to a Local Contexts project which may have associated various Biocultural Labels, Traditional Knowledge Labels, and Notices with this material.

**Project Title:** Description of Pomka Athsusossuwiye (Snake song and dance, audio recording)

View this project on the Local Contexts Hub (ID: 9d60d231-d8b3-4c70-afcf-aa5925036a53)

---

File with Inherited Project data

**Ao of Series wo LCP**

- `File`
- `Test Me Repo`
- `Test Resource (T-1)`
- `Series with LCP`
- `Ao of Series wo LCP`

**Local Contexts Information**

This material is related to a Local Contexts project which may have associated various Biocultural Labels, Traditional Knowledge Labels, and Notices with this material.

**Project Title:** Description of Pomka Athsusossuwiye (Snake song and dance, audio recording)

View this project on the Local Contexts Hub (ID: 9d60d231-d8b3-4c70-afcf-aa5925036a53)

File with own Project data

**AO of Series with LCP**

- `BC`
- `File`
- `Test Me Repo`
- `Test Resource (T-1)`
- `Series with LCP`
- `AO of Series with LCP`

**Local Contexts Information**

This material is related to a Local Contexts project which may have associated various Biocultural Labels, Traditional Knowledge Labels, and Notices with this material.

**Project Title:** Attribution and BC

View this project on the Local Contexts Hub (ID: f6e4814a-8556-453-9-934b-55c37a4e5803)
If you choose to display the Open to Collaborate Notice, set `AppConfig[:local_contexts_projects][open_to_collaborate]` to `true`.

The Open to Collaborate Notice will display on the PUI homepage. You should add this Notice to your account on the Local Contexts Hub prior to setting this option.

Welcome to ArchivesSpace

Search across our collections, digital materials, and more.

Search The Archives

Search

Open to Collaborate Notice

Our institution is committed to the development of new modes of collaboration, engagement, and partnership with Indigenous peoples for the care and stewardship of past and future heritage collections.

For more information about this notice, please read more at Local Contexts.
PUI Exports

The PDF exports for the PUI have also been modified to include the Local Contexts project data.
Additional Options - Facets Display

- The plugin can be configured to display facet options for Local Context Projects in both the staff interface and PUI.
- Set to true for either of the following to display those facet options
  - `AppConfig[ :local_contexts_projects][ 'staff_faceting' ]`
  - `AppConfig[ :local_contexts_projects][ 'public_faceting' ]`
Get it from GitHub

https://github.com/dartmouth-dltg/local_contexts_projects

No official release yet. Currently supports v3.1.1, v3.2.0 & v3.3.1. Check out the branch specific to the ArchivesSpace version you are running. Pull requests encouraged.

Known issues & ToDos prior to release:

- EAD & EAD3 export mapping review and possible update
- MARC exports - mapping and functionality
- More robust testing of translations display logic

We are hoping to collaborate with other institutions and solicit feedback from the ArchivesSpace community to ensure that the plugin works for a wide audience and meets the needs of the community as a whole.
Thank you!

joshua.d.shaw@dartmouth.edu