**IIIF/DSpace Meeting June 23, 2017 at 15:00 UTC**

**Web Meeting Information**

Join from PC, Mac, Linux, iOS or Android: [https://georgetown.zoom.us/j/473473888](https://georgetown.zoom.us/j/473473888)

**Attendees**

- Terrence W Brady, Georgetown
- Suzanne Chase, Georgetown
- Claire Knowles, University of Edinburgh
- Scott Renton, University of Edinburgh
- Andrea Bollini (4Science), 4Science
- Hardy Pottinger, UCLA Library
- Kevin S. Clarke, UCLA Library

**Agenda**

- Notetaker
- Review progress at each institution.
  - Update from Vatican Conference ([Slides presented by Andrea Bollini](https://docs.google.com/presentation/d/1dfe4exN86dRC1kGpvUyZlwHbWc1ASX0-bmwnHcUBU/edit#slide=id.p))
  - IIIF at University of Edinburgh - June 2017
  - IIIF conference: IIIF at UCLA Library: [https://docs.google.com/presentation/d/1dfe4exN86dRC1kGpvUyZlwHbWc1ASX0-bmwnHcUBU/edit#slide=id.p](https://docs.google.com/presentation/d/1dfe4exN86dRC1kGpvUyZlwHbWc1ASX0-bmwnHcUBU/edit#slide=id.p)
  - IIIF Experimentation at Georgetown - June 2017

**Meeting Notes**

**4Science (Andrea)**

- 4Science has a goal to release their DSpace/IIIF module as open source. They are seeking development and funding partners to make that feasible.
- The current solution implements the IIIF Image API, the IIIF Presentation API, the IIIF Search API. Integration of the IIIF Authentication API is in progress.
  - The authentication API could be used to require authentication in order to perform a deep zoom of an image.
- The UV (universal viewer) has been the easiest and most general purpose viewer to integrate.
  - UV: supports images, video, 3D objects
  - Mirador: supports images only
- The module uses bitstream metadata (DSpace metadata for all objects) to populate a canvas-level metadata within a manifest
  - [https://dspace-glam.4science.it/explore?bitstream_id=2042&handle=1234/25&provider=iiif-image#c=0&m=0&s=0&cv=0&xywh=-1327%2C-149%2C4661%2C2969](https://dspace-glam.4science.it/explore?bitstream_id=2042&handle=1234/25&provider=iiif-image#c=0&m=0&s=0&cv=0&xywh=-1327%2C-149%2C4661%2C2969)
  - if you open the more information you will see the metadata from the item and at the bottom some metadata from the canvas /bitstream Page

**Edinburg (Claire and Scott)**

- 30,000 images have been loaded into the Luna Image server. TIF files are converted into JP2 and JPG files
  - Also, 30 digitized rare books
- Manifests are stored in DSpace
  - DSpace provides persistent ids for objects.
- Skylight (from U of Auckland) searches on top of DSpace. Open Seadragon integrated as well.
- Annotations are compiled using the Open Annotation Model
  - This is a separate W3C standard allowing for the creation of a hierarchy of annotations
- Note from the IIIF conference: manifest files need to be provided over https in order to play with with IIIF viewers
- Many IIIF tools can be deployed/hosted for free.
  - The real cost of using IIIF is in creating/hosting derivative images
  - ??? license needed

**UCLA (Kevin and Hardy)**

- Developed a custom image server that can reference objects in DSpace or Fedora
- Permits greater control of generated derivative objects
- Millions of image tiles stored in AWS so images can be created up front, not on demand
- Exploring options for 3D objects within the Universal Viewer

**Georgetown (Suzanne and Terry)**

- Prototyping underway using Cantaloupe to reference DSpace bitstreams
  - Pass in a handle/bitstream sequence, retrieve a IIIF compliant image
- Experimenting with manifest creation
  - Per meeting conversation, the UV is recommended for visualizing collections of manifests
- Questions about hosting IIIF viewers
  - While a viewer does not need to be hosted, other participants are hosting viewers. Viewer hosting just requires hosting js components.

**Additional Resources**

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Next Steps

- Schedule another conversation in 2 months.
  - Tentative plan will be for 1500 UTC, but open to a later meeting time to accommodate additional time zones
- Encourage additional participation in this sub group at the Open Repositories conference
- Potential break out conversation at the IIIF meeting in Toronto in October 2017
- Document IIIF use cases
- Share use cases and architectural ideas with the DSpace 7 development teams