OVERVIEW

- What is “Archival Material”?
- Trends in archival processing and digitization
- Examples of archival collections made available using IIIF
- Applications and benefits of IIIF for archival material
- Case study: Indigenous Digital Archive

Photo: Bergen Public Library (Norway)
WHAT IS “ARCHIVAL MATERIAL”? 

- This presentation understands “archival material” as records held by archives, special collections, etc. that provide evidence relating to historical events or figures.

- Archival material exists in a variety of forms, including text (e.g. correspondence, registers), images (e.g. photographs, illustrations), maps, and beyond.

- Provenance-based relationships (e.g. materials from a common creator or activity) are essential in managing and using archival material.

Photo: Texas State Library and Archives Commission
TRENDS IN ARCHIVAL PROCESSING AND DIGITIZATION

- Rise of “More Product, Less Process” and iterative processing
- Application of MPLP to digitization
- Emergence of digitization grant programs designed to leverage processed collections
- Demand for “shovel-ready” projects
- Faster, better, cheaper, and more open and reusable

Photo: Library of Congress
WHY NOT IIIF FOR ARCHIVES?
EXAMPLES OF ARCHIVAL MATERIAL MADE AVAILABLE USING IIIF

- Boston Public Library
  - Anti-Slavery collection
  - Spencer Grant collection

- Duke University
  - W. Duke Sons & Co. collection, 1880-1910
  - Benjamin & Julia Stockton Rush papers, 1766-1845

- Leo Baeck Institute (via Internet Archive)
  - Alfred Einstein collection, 1700s-1998
  - Many others

- University of British Columbia
  - Chung collection
  - Yip Sang collection, City of Vancouver Archives

- University of California, Merced (via Calisphere)
  - Henry O. Nightengale diaries

- University of California, Riverside (via Calisphere)
  - George Fujimoto diaries
  - Sabino Osuna photographs

- University of Massachusetts Amherst
  - W.E.B. Du Bois papers, 1803-1999
APPLICATIONS & BENEFITS

Photo: Leslie Jones, Boston Public Library
IMPROVING ACCESS AND REUSABILITY

Image and demo courtesy University College Dublin
IMPROVING ARCHIVAL PROCESSING

Augmented Processing Table image & demo, Ciaran Trace, UTexas iSchool
REUNITING DISPERSED MATERIAL AND CURATING

Santa Clara Pueblo,  
Esperanza, N. M.  
May 1, 1903

Mr. C. J. Codina,  
Dept. III, Indian Schools  
Santa Fe, N. M.

Dear Sir:

The tribal statistics for April are  
Births: 2  
Deaths: 0  
Marriages: 12

Very respectfully,  
Clara J. Day

Visit the demos at http://forens.es/iiifarchives
THANK YOU!

Mark Matienzo
Digital Public Library of America
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http://forens.es/iiifarchives

Photo: Oregon State University
The Indigenous Digital Archive: Building effective access to and collaboration with mass-digitized archival documents related to Native peoples

Anna Naruta-Moya
The Indigenous Digital Archive

Collaborative project of

- State of New Mexico's Museum of Indian Arts and Culture (MIAC)
- NM State Library Tribal Libraries Program
- Indian Pueblo Cultural Center, jointly run by all 19 Pueblo Tribes

Just received IMLS National Leadership Grant (thank you IMLS!)

Project kickoff Fall 2016 –
http://native-docs.org
@NativeDocs
Project originated from tribal constituents expressing need

World Café session, constituents asked for:
- More archives education
- More online accessibility
Partnerships will:
• Spread training
• Create stronger links in communities to institutional resources
IDA Project will:

Create online access to open government records otherwise unavailable to the people and communities impacted by the historical events they speak to

- Beginning with records related to land & the government Indian boarding schools, 1800s-1930s
- First sets of records focus on New Mexico tribes and government operations in the state
- Later to expand to include additional records, esp. since boarding schools intentionally removed youth from communities and dispersed them throughout country
Interest in researching Government Indian Boarding School records

- To understand impacts on communities today

- To interpret the records with the benefit of perspective of elders and others who attended or who have stories from their parents or grandparents
Einar E.

Kvaran
Apache youth upon arrival, in a Carlisle Indian School “before” photo
The same Apache youth three months later, Carlisle “after” photo
Over 10,000 Native American children from 140 tribes attended Carlisle Indian Industrial School during its nearly 40 years of operation.
In the US Indian Industrial School system at Carlisle, only 158 ever graduated.
(Class of 1901, detail)
186 students are buried there.
Many basic facts are unknown:

- How many children died at the schools?
- How did a newly discovered unmarked cemetery come to be?
- Others?
While there was some geographic clustering, Native youth from a community might be sent to any one of 25 government Indian Boarding Schools across the US.
Different jurisdictions and other aspects of US government organization & policies mean researching a particular topic, person, event, or place requires access to a large amount of records by different creators.

Most of these records are currently available only in person, with some on microfilm.
Traditional way of posting such records online:
The content is made available (Hooray!)...
...But before coming online each individual page was cataloged

- Takes lots of time, during which set of records still unavailable
- Is the metadata generated doing so proportionally meaningful for researcher? Could that time have gone towards greater returns?
IIIF Advantage for Archives

Ability to create effective online access without bottlenecking content at the institution

- International standard Open Annotation format can be used to crowdsourced marking the beginnings of documents, or the beginnings of years of a long run of chronological documents

- While the documents are being worked on to add these guideposts, the documents are already available to the public online
To trace an event, person, or group – need to be able to:

1. **Access large amount of records**, from different offices and jurisdictions
2. Access documents from location convenient to user – **geography must not be a barrier**
3. **Mark** a page, paragraph, sentence, or name in a set of documents to **return to later and to show others**
4. **Add keyword tags** that travel with the documents to create effective access
5. Requires knowledge of different localities and different histories – **Collaborative work a plus!**
6. Have **materials from multiple archives** join the conversation

**For sustainability and scalability:**
- Not create one-off solution that is difficult to support and isolates the material and work
Large series can be mass digitized, from microfilm or originals
Manual labor: students carted 1400 tons of coal, 7000 cubic feet of cement

Crowdsourced and managed tagging and annotation help create effective navigation
OCR potential often limited by document type; and keywords may not appear in text
<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Sex</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garcia, José</td>
<td>10</td>
<td>M</td>
<td>Zama de la Cruz</td>
</tr>
<tr>
<td>González, Reyes</td>
<td>12</td>
<td>M</td>
<td>Zama de la Cruz</td>
</tr>
<tr>
<td>López, Antonio</td>
<td>15</td>
<td>M</td>
<td>Zama de la Cruz</td>
</tr>
</tbody>
</table>

Linked data to build collaborative info
Indigenous Digital Archive Project

- Create an **opensource software toolkit** extending capacities of Omeka-S opensource Content Management System
  - => IIIF compatibility
  - => Open Annotation format for crowdsourced / community sourced tagging, annotation tied to relevant portions of documents (in linked data framework)

- Create **IDA usecase** of open government documents related to Native people
  - Ingest and work with at least 78 linear feet of records in first phase
  - Conduct IDA Fellows program, open to members of the 23 tribes of New Mexico plus Hopi; support additional online volunteers
  - Kicks off fall 2016 with community meetings to inform user interface design
  - For news by email, sign up at native-docs.org
Indigenous Digital Archive

http://native-docs.org

info@native-docs.org

@NativeDocs

@AnnaNaruta