

ALL THE AS AND ONE C: USING ACCESS, ALMA, ANALYTICS AND APIs TO STREAMLINE CATALOGING

Erin Grant, Director, Cataloging & Metadata Services

Sion Romaine, Director, Acquisitions & Rapid Cataloging Services

Nick Schockmel, Acquisitions Metadata Specialist, Acquisitions & Rapid Cataloging Services

UNIVERSITY LIBRARIES



Outline

- Purpose
- Cataloging at UW
- Rapid Cataloging at UW
- Access, Alma, Analytics, APIs
- Looking to the future
- Q&A

Purpose

- What is Rapid Cataloging?
- Our context
 - Iterated our fairly robust solution over ~15 years
 - In-house Access expertise
- What we hope you learn/take away
 - Basic workflow elements (creating a basefile, querying the basefile)
 - Ideas for how to implement at your institution at a scale and with tools that work for *you*

UW Libraries

- 3 campuses, 16 libraries
- > 9M volumes, 1M eBooks, 120k journals
- 2 OCLC symbols (Law, everything else)
- Migrated to Alma/Primo 2013
- Orbis Cascade Alliance shared LMS
 - Consortial Network Zone
 - Institution Zone

Cataloging at UW

- Collections & Content Portfolio
 - Acquisitions & Rapid Cataloging Services (ARCS)
 - Cataloging & Metadata Services (CAMS)
- Decentralized tech services
 - International Studies
 - East Asia Library
 - Law Library

Cataloging & Metadata Services

2017-18 New Records

| | |
|-----------------------------|---------------|
| Original cataloging | 4,566 |
| Complex copy | 17,297 |
| Serials cataloging (CONSER) | 1,222 |
| CAMS Quick cataloging | 8,729 |
| Minimal level cataloging | 1,238 |
| Total | 33,052 |

Also...

NACO headings - 3,718

SACO headings - 571

BIBCO

CONTENTdm - 1,701

Gov Docs recon - 5,148

Database maintenance

Metadata work

Rapid Cataloging & CAMS

- Benefits
- Balance quantity/quality
- Recent extensions
 - Ebook rapid cataloging
 - Special Collections PNW pilot
 - LC New Delhi pilot (including vernacular!)

Rapid Cataloging in Acquisitions

- Acquisitions & Rapid Cataloging Services - Monographic Receiving Team
 - 4.5 Specialists + 4-5 Students (1 FTE)
- Primarily English & Western European language monographs
- Processed ~27,500 items in FY2017/2018
 - 20,935 items rapid cataloged in ARCS (76%)
 - 14,520 items “expedite-cataloged” by students
 - 6,415 items “quick-cataloged” by staff
 - 6,380 items sent to CAMS (original & complex copy) (24%)

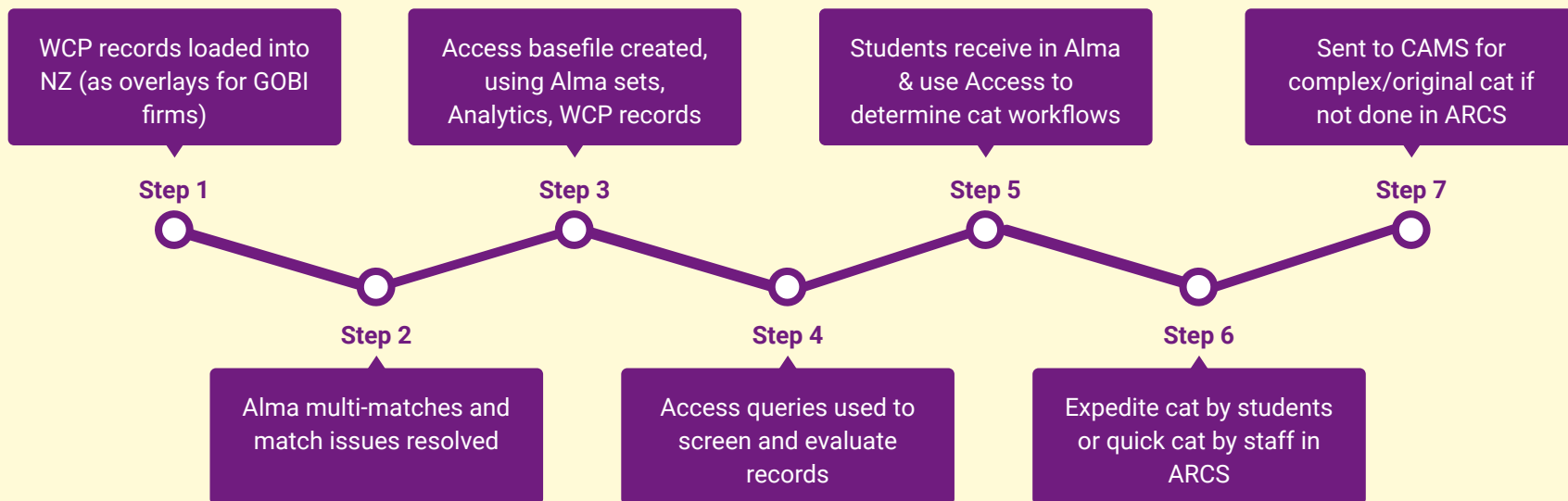
Rapid vs. Original - Categories

- Screened by ARCS
 - Firms & Approvals
 - Gifts
 - Series cataloged as separates
 - Rushes
- Sent to CAMS on receipt
 - Analytics
 - Media
 - Non-Roman
 - Scores
 - Serials (new)

Screening Bibliographic Records

- **Alma Sets, Analytics, Access** used to bring bib, inventory, order and invoice info into a basefile
- Access queries determine record quality and subsequent cataloging workflow (expedite, quick, original)
- Separate Access interface guides students through the receiving & cataloging process
- New: staff use **API** to quick catalog ebooks

Workflow (GOBI Firms/Approvals)



Expedited Cataloging (Students)

- Passes Access query (*plus additional call number & location queries)

- **OCLC Number:** present
- **Encoding Levels:** 1, l, 4, blank
- **Descriptor:** a *OR* (i AND 040\$e Like *"*rda*"*)
- **Record Type:** a
- **Bib Level:** m (monograph)
- **Call Number:** present*

- To Quick Cataloging: multiple series statements, call number problems
- To CAMS: 880 series, cat language not English, call number problems
- Hold for re-searching if no/partial call number

Quick Cataloging (Staff)

- Passes Access query (plus additional call number & location queries)

- **OCLC Number** present
- **Encoding Levels:** 8, L, 7
- **Descriptor:** a OR (i AND 040\$e Like "*rda*")
- **Record Type:** a
- **Bib Level:** m (monograph)

- To CAMS: 880 series, cat language not English, call number problems
- Hold for re-searching if no/partial call number

Original Cataloging (Staff in CAMS)

- Hold for re-searching or show to Receiving Supervisor

- **OCLC Number** present *OR* absent
- **Other Encoding Levels**
- **Descriptor:** a *OR* other
- **Record Type:** a *OR* other
- **Bib Level:** m *OR* other

- Then to CAMS for original/complex copy

The Basic Components

- Dataset to query
- An external tool for querying the data
- Macro-programming (AKA “the glue”)

Creating the Dataset

- Data is pulled by staff using the following sources and tools:

WorldCat Partner MARC records

Alma Analytics (for acquisitions related data like fund code, order type, rush, etc. and for inventory information like owning library and location)

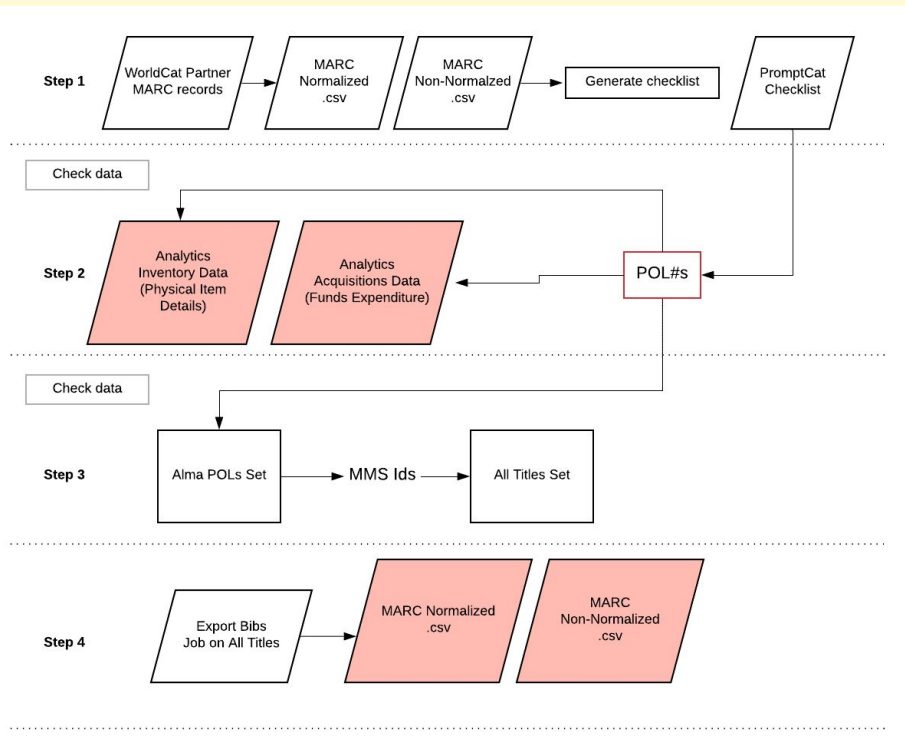
Alma Sets (POLs, All Titles)

Alma Bibliographic Export jobs (for final MARC XML)

Alma APIs to view live bib and portfolio data in MS Access

MarcEdit for data conversion

Basic Data Pipeline



Step 1: Get POL#s and other data from WorldCat Partner files

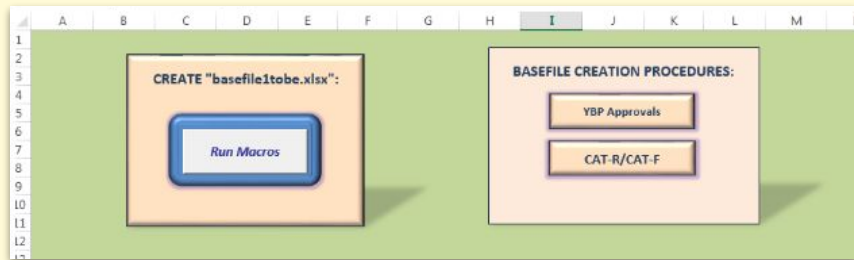
Step 2: Get inventory and acquisitions data from Analytics*

Step 3: Use sets to get current MMS Ids from Alma

Step 4: Export and flatten bibliographic records from Alma

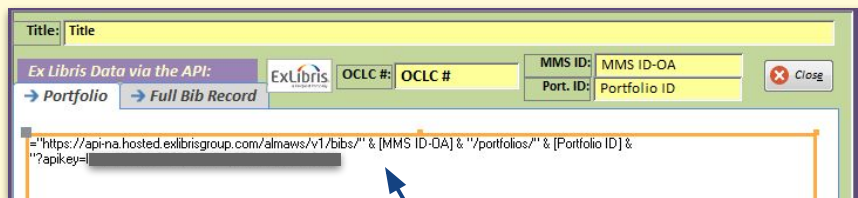
Cleaning and Joining the Data

- Joining Matchpoints
 - OCLC#
 - MMS Id
- Excel VBA macros automate the process

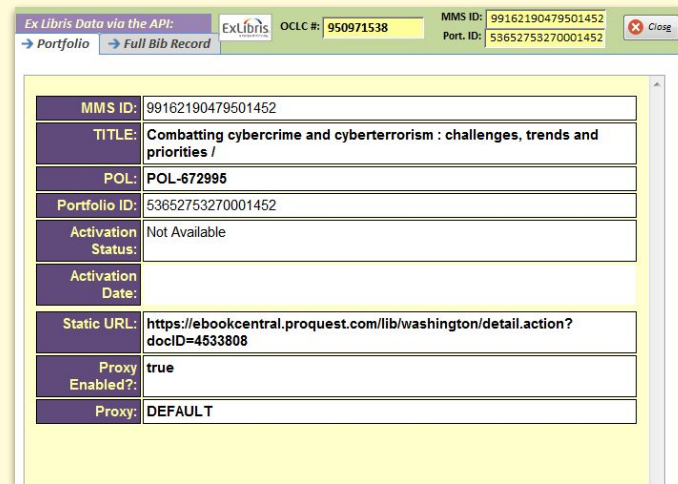


Getting Data with Alma APIs

- We also use the web browser tool and XSLT to pull in live data via Alma APIs



Access builds a url for an API GET request
and an XSLT stylesheet and CSS transform
the XML into nicely formatted fields



Screening the Data in MS Access

2 Call Numbers in 050 and DLC in 040

LC:

050: \$\$h N72.S6 \$\$i M37 2018 ; \$\$h N6490 \$\$i .M33 2018

040: ERASA eng rda ERASA OCLCQ YDX AVA TOH BDX OCLCF CHVBK OCLCO RCE UKMGB OCLCA UKOBU DLC UBY UAB

245a:

Children's Literature?:

LOCATION: ugstx

650:

655:

Clog

ACCESS ID #: Item ID for print; Portfolio ID for e-books

CAT STATUS: CAT

OCLC #: ELvl:

040: ERASA eng rda ERASA OCLCQ YDX AVA TOH BDX OCLCF CHVBK OCLCO RCE UKMGB OCLCA UKOBU DLC UBY UAB

J425a: 040Se:

RESULT: 1

OF 2

Check the multiple 050 fields in the bib. record in Alma.

On the form, retain the call number with a 2nd indicator "0" and delete the call number with second indicator "4."

050 * 0 - Call # assigned by LC
050 * 4 - Call # assigned by institution other than LC

If you are unable to choose between the call numbers, assign Cat Status CAT, and insert Action Code CD.

The query looks for the presence of more than one call # in the 050 and "DLC" in the 040 [DLC does not have to be the creator agency].

For juvenile fiction going to a children's literature location (szstx, bochl, tachl, etc.), choose the "PZ" class number, if there is one.

Actioncode 1: Actioncode Comments:

Actioncode 2:

Actioncode 3:

Actioncode 4:

Actioncode 5:

Action Code CD

[tbl Action Codes List](#)

View More Bib Info

POL/Inventory Info

Query: [34 qsel 2 call nos in 050](#)

Final Steps

[Return to Start Screen](#)

YBP Firms and Approvals- Statistics and Basefile

[Open Basefile](#) [Close Form](#)

- 1. Check the Material Type:**

YBP APPROVALS

Help! Is it set to the proper type of material?
- 2. Run final statistics:**

[Final Stats](#)
- 3. Click the "Preview Stats" button.**

[Preview Stats](#)
- 4. Archive statistics as PDF file:**

[Archive Statistics](#)
- 5. Append the basefile to table "basefile ARCHIVE" in the master archive file*:**

[Append 'basefile' to Archive](#)

* ACCESS FOR ALMA >> Tools and Procedures >> Linked Tables-DO NOT DELETE >> ARCHIVE-basefiles.accdb
- 6. Archive the old-format basefile in SharedDocs as an Excel spreadsheet:**

[Archive "basefile" in SharedDocs](#)

[Run Final Lists](#)

[Return to 1st Query Screen](#) [Return to 2nd Query Screen](#) [Return to 3rd Query Screen](#)

Query: [101j_ase1_ARCS Type Text](#)

Receiving items





The screenshot shows a web interface for receiving items. On the left, there is a search section with a purple-bordered box containing the text "Search...". Below this are five search buttons, each with a magnifying glass icon and a label: "ISBN", "Title, Author, or Editor", "Barcode", "POL #", and "QCLC #". At the bottom left of the search area is a button labeled "Load New Records" with a small icon. On the right side of the interface is a photograph of a globe mounted on a metal frame, hanging from a ceiling in a room with stone columns. Below the photograph is a button with a green checkmark icon and the text "Final Steps". At the bottom right of the interface is a "Close" button with a red 'X' icon.

Receiving Items

| | | | |
|--|--|--|---|
| POL #: <input type="text" value="POL-670699"/> | LOC.: <input type="text" value="szstx"/> | VENDOR: <input type="text" value="ybpsf"/> | Inv. #: <input type="text" value="987738"/> |
| OCLC #: <input type="text" value="801926631"/> | Inv. Date: <input type="text" value="4/9/2019"/> | | |
| ISBN: <input type="text" value="Sa 9781894987677 Sq (pbk.) -- Sa 1894987675 Sq (pbk.)"/> | | | |
| 245: <input type="text" value="Einstein's cat : poems / Zoë Landale."/> | | | |

COMPLETE and CLOSE:



Close Without Completing: 

CAT STATUS:










REDIRECT TO:

QCAT

SUP

CAT or CAT-SM

Undo

| | | | | | | | | |
|--|--|---|--|--|--|--|---|---|
|  1. Physical Condition |  2. Bib Info |  3. POL and Inv. Info |  4. Action Codes |  5. Routing Slip |  6. Flagging |  7. Alma |  8. Item Record |  9. Barcode |
|--|--|---|--|--|--|--|---|---|

↗ Next

Check the physical condition of the book to make sure there are no problems.

Potential problems:

- Bound upside-down
- Pages missing or torn
- Cover damaged
- Accompanying material missing

PHYS DESC:

[PHYS DESC information will be blank for YBP Added Copies]



Is there a problem? If so, ...

1. Change the CAT STATUS above to QCAT or SUP.
2. Insert a note explaining the problem in the Actioncode Comments box (do not erase existing notes).

Actioncode:

Comments:

Receiving Items

| | | | | | | | | |
|---|--|--|--|--|--|--|---|--|
| POL #: <input type="text" value="POL-678568"/> | | LOC.: <input type="text" value="szstx"/> | VENDOR: <input type="text" value="ybpsf"/> | Inv. #: <input type="text" value="987738"/> | COMPLETE and CLOSE:  Close Without Completing:  | | CAT STATUS: <input type="text" value="QCAT"/> | |
| OCLC #: <input type="text" value="1020311642"/> | | Inv. Date: <input type="text" value="4/9/2019"/> | | REDIRECT TO: <input type="checkbox"/> QCAT <input type="checkbox"/> SUP <input type="checkbox"/> CAT or <input type="checkbox"/> CAT-SM <input type="checkbox"/> Undo | | | | |
| ISBN: <input type="text" value="Sa 9781524771140 Sq (hardback) -- Sa 1524771147 Sq (hardback) -- Sa 9781524771157 Sq (lib)"/> | | | | | | | | |
| 245: <input type="text" value="The beloved world of Sonia Sotomayor / Sonia Sotomayor."/> | | | | | | | | |

| | | | | | | | | |
|-----------------------|-------------|----------------------|-----------------|-----------------|-------------|---------|----------------|------------|
| 1. Physical Condition | 2. Bib Info | 3. POL and Inv. Info | 4. Action Codes | 5. Routing Slip | 6. Flagging | 7. Alma | 8. Item Record | 9. Barcode |
|-----------------------|-------------|----------------------|-----------------|-----------------|-------------|---------|----------------|------------|

Next

| | | |
|--|--|--|
| Check any Action Codes directed to "RECEIVER" and "CATALOGER." <i>(The Receiving Note from the POL may give additional details about an Action Code)</i> | Action Code 1: CATALOGER: Confirm author and illustrator are same person. If so, a 100 field is sufficient. If not, and illustrator is listed in book, a 700 | Action Code 4: CATALOGER: Change date in the call number in the Alma holdings record to match the date in Access or on routing slip. |
| Receiving Note: <input type="text" value="Print Required"/> | Action Code 2: RECEIVER and CATALOGER: Item is going to children's lit. location or is otherwise coded as children's literature. | Action Code 5: <input type="text"/> |
| | Action Code 3: RECEIVER and CATALOGER: For young-adult/long-form children's lit.: Insert "Retain Dust Jacket" flag!; For picture books: Discard | Action Code Comments: CATALOGER: Retain work mark in call number field? |

General Tips

- Start small, but make it extensible
- Think carefully about the order of your queries
- Archive all of your data

Future Development

- Pull all the data using API GET requests
- Make updates to the data using Access forms and API PUT requests (the Holy Grail!)

Looking to the Future

- Assessing metadata quality over time
- Screening vernacular records
- Attacking Special Collections gifts & other backlogs
- Adjusting RapidCat for a linked data world

THANK YOU!

Erin Grant: egrant2@uw.edu

Sion Romaine: sromaine@uw.edu

Nick Schockmel: nicosch@uw.edu

UNIVERSITY LIBRARIES

