What to archive next?
Decision-support tools for shared print journal archiving

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Pieces of a puzzle? Continuum of capabilities?

AGUA Decision-Support Capability

PAPR Collections Analysis Capability
Models Supported

Retrospective journal archiving programs

- Distributed (WEST)
- Storage facility or location-specific (~UC Shared Print)

- Print only titles and e-available titles
- Decisions about “a journal” (full title history, title changes)

- Regular pace of decisions, collection growth
- Active initial archive creation and gap filling (some or all titles)
Group decisions about "what to archive next?"

- Analysis of unarchived journal holdings
- Selection of new backfiles to archive
- Proposals to institutions based on (next) deepest backfile

Local decisions about "what to archive next?"

- Institutions review proposals, make commitments
- Custom collection comparison reports
Decision-Support Tools for Journals

AGUA (WEST dashboard)  
https://agua.cdlib.org

Receive unarchived holdings  
Collections analysis  
Archiving proposals  
Perform archiving work  
Disclose  
Collection Comparison Reports  
Ad hoc gap filling

PAPR Collections Analysis (batch)

AGUA

...JRNL

ILS  
PAPR Registry  
OCLC WorldCat
Behind the scenes, Data Normalization and Holdings Comparisons

Matching
- Ulrich's Journal Family Id
- ISSN
- OCLC Number

Normalization
- Journal titles
- Publishers
- Subjects
- Publication History (title/issn changes)

Metadata Enhancement
- Publication type (scholarly, trade, commercial, gov doc)
- Refereed
- Year first published

Depth of Holdings Calculation
- Calculated from text-based holdings statements
- Takes title changes into account
- Takes storage facility relationships into account

Reference lists
- Ulrich's XML data
- Portico, CLOCKSS, Publisher lists A&I Index lists
- Publisher data

Library - Storage Facility Relationships
- Unarchived MARC holdings
- Archived MARC holdings

Library Catalogs

AGUA Decision-Support Capability
http://agua.cdlib.org

JRNL

PAPR Collection Analysis Capability*

PAPR Registry Capability
http://papr.crl.edu
AGUA Development Completed

User login functions

Archive Holder and Member reporting functions
• Archive Holder title list proposals and commitments
• Download collection comparison reports

Group collections analysis
• Apply and iterate regional selection criteria, run scenarios
• Prioritize serials with particular characteristics (subject, year first published, etc.)
• Redistribute proposals by selecting the “next deepest backfile”
• Compare proposals to other print archives

Title Nominations

Needs and Offers (AGUA exports to JRNL)
<table>
<thead>
<tr>
<th>WEST Library Functions</th>
<th>WEST Staff Functions</th>
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<tr>
<td><strong>Archiving Commitments</strong></td>
<td><strong>Set Group Collections Analysis Criteria</strong></td>
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<tr>
<td>• Review proposed journals</td>
<td>• Depth of backfile</td>
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<tr>
<td>• Review budgets</td>
<td>• Overlap level by risk category</td>
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<tr>
<td><strong>Member Reports (downloads)</strong></td>
<td>• Resolve ties for depth of backfile</td>
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<tr>
<td>• Collection comparison reports</td>
<td>• Set per volume payment and archive creation budget</td>
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<tr>
<td>• Archiving commitment reports</td>
<td>• Rebalance proposals, prioritize and deprecate criteria</td>
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<td>• Not-committed reports</td>
<td>by risk category</td>
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<td>• All titles archived report</td>
<td>• Download group analysis reports</td>
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<td><strong>Needs and Offers (downloads)</strong></td>
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Archiving Exhibits (download)
Thank you!