Making Your Digitized Books Discoverable

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University of Illinois at Urbana-Champaign
Why do we digitize?

• Maximizes access
• Speeds delivery of services
• Increases library’s profile
• Adds value and aids interpretation
• Creates surrogate for preservation purposes

Consistent with the traditional role of libraries
Digitization projects at UIUC

• Open Content Alliance & Google
• In-house scanning
  – Project Unica
• Outsourced scanning
  – University publications, annual reports, ....
  – Brittle Books
OCA books

Download files from Internet Archive

- VBScript to manage process
- Uses utilities like WGet
- Process logged in MS SQL database to track errors & problems
A cycle of Adams letters, 1861-1865

Author: Ford, Worthington Chauncey, 1858-1941; Adams, Charles Francis, 1807-1888; Adams, Henry, 1838-1915; Adams, Charles Francis, 1835-1915

Volume: 1

Publisher: Boston and New York: Houghton Mifflin Company

Possible copyright status: NOT_IN_COPYRIGHT

Language: English

Call number: 200808

Digitizing sponsor: University of Illinois Urbana-Champaign

Book contributor: University of Illinois Urbana-Champaign

Collection: americana

Be the first to write a review

Downloaded 50 times

Selected metadata

Scanningcenter: il

Mediatype: texts

Identifier: cycleofadamslett01ford

Ppi: 500

Camera: Canon 5D

Operator: scanner-craig-johnson@

Scanner: scribe1.illinois.org

Scandate: 20080612000706

Imagecount: 370

illinois.edu
Create splash page for each volume digitized

Title: War and peace,
Creator: Tolstoy, Leo, graf, ...
Publisher: New York, T.Y. ....

link to OPAC record

persistent identifier
http://hdl.handle.net/10111/...

additional splash page for serials

links to additional formats as appropriate

Script template populated from MARC.xml record
Title: Voina i mir
View holdings at the UIUC Library

Volume: 1 (more volumes)

Creator: Tolestoy, Leo, graf, 1828-1910

Publisher: Moskva : izdanie T-vy I.D. Sytina,

Date: 1912

Physical Description: 4 v. : ill. ; 22 cm.

Language: rus

Contributor: Bluiuks, P. 1860-1931.

Related Work(s): War and peace (eng)

Permanent URL for this page: http://hdl.handle.net/10111AJUC00Avoiainimir01telo
Please reference and bookmark using this URL.

Digitized Books from the University of Illinois at Urbana-Champaign
are produced by the Open Content Alliance in association with
the University of Illinois at Urbana-Champaign Library. See Terms of Use
About this series:

Title: Война и мир


Publisher: Мецка : Издатель T-ва L.D. Сыдина,

Date: 1912

Physical Description: 4 v. : 1 ill. ; 22 cm.

Language: rus


Related Work(s): War and peace (eng)

Permanent URL for this page: http://hdl.handle.net/10111/UOCCOA/Serial/voimimir
Please reference and bookmark using this URL.
Generic scripted workflow

• Copy thumbnail, PDF, text, DjVu, and metadata to web accessible directory
• Copy everything to archival directory
• Create handle (Handle System by CNRI)
• Modify MARC.xml
  – add 245#n, 852 and 856
• Copy modified MARC.xml to OAI provider
Project Unica

- Unique items from Rare Books & Manuscripts Library
- For rare book scholars
- Show cover and binding
- Page images need to be side-by-side
- High resolution images
Project Unica

• In house scanning: JP2
• JP2 (crop and deskew) → PDF (high & low resolution)

• ImageMagick to stitch images (automated)
• METS Navigator (developed by Indiana U.)
  – JP2 → JPG (screen size)
  – JP2 → PNG (full size, 48-bit color)
Title: The abe with the Foter noster Aup, Crendo, and x. commandementes in Englysshe newly translated and set forth; at the kyngs most gracayuse commandement

Publisher: Printed at Londo[n]. In the Old travy by Richard Lant,

Date: [ca. 1545]

Physical Description: [8] p. ; 10 cm.

Language: eng

Notes: Estimated publication date from STC. Consists of 8 pages printed on the outer forme of a halfsheet, with the blank pages of the inner forme posted together, folded as a pamphlet of 4 leaves--STC.

References: STC (2nd ed.) 196

Subject: Hombooks

Permanent URL for this page: http://hdl.handle.net/10111/UIUCUNICA:auento0031acqpat

Please reference and bookmark using this URL.
The seven petitions of the Pater noster.

Our Father which art in heaven, hallowed be thy name. Thy kingdom come. Thy will be done in earth as it is in heaven.

GIVE US this day our daily bread. And forgive us our trespasses as we forgive those that trespass against us. And lead us not into temptation. But deliver us from evil. Amen.
Title: The abe with the Pater noster Aue, Credo, and .x. co[m]maundementes in Englysshe newly translated and set forth, at the kyngs most graciously commanded.
Institutional Repository (IDEALS)

- DSpace
- Some materials digitized by OCA
- Also accessible through Illinois Harvest
  - harvest metadata from DSpace via OAI-PMH
<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Experiments with repellents against the corn root-aphis, 1905 and 1906</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Identifier</strong></td>
<td><a href="http://hdl.handle.net/2142/53958">http://hdl.handle.net/2142/53958</a></td>
</tr>
<tr>
<td><strong>Creator</strong></td>
<td>Forbes, Stephen Alfred, 1844-1930</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Text</td>
</tr>
<tr>
<td><strong>Subject</strong></td>
<td>Corn Diseases and pests, Corn root-aphis Control</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Cover title.</td>
</tr>
<tr>
<td><strong>Language</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Publisher</strong></td>
<td>Urbana, Ill. : University of Illinois Agricultural Experiment Station</td>
</tr>
<tr>
<td><strong>Relation</strong></td>
<td>Bulletin (University of Illinois (Urbana-Champaign campus). Agricultural Experiment Station). no. 130</td>
</tr>
<tr>
<td><strong>Rights</strong></td>
<td>Copyright 1903 Board of Trustees University of Illinois.</td>
</tr>
</tbody>
</table>
Experiments with repellents against the corn root-aphis, 1905 and 1906

Has Version(s):
- http://hdl.handle.net/2142/3390
- http://www.archive.org/details/experimentswith00forb
German Emblem Project

• Started in 1998 (local digitization)
• CONTENTdm collection
• Emblem books published in 17th & 18th centuries
• Different granularities of metadata in CONTENTdm
  – Book
  – Emblem
  – Text
German Emblem Project

• Show Emblems (graphics + text) as single image
  – Stitch the images together with ImageMagick
• Associate metadata with modified images
  – Export metadata from CONTENTdm in XML format
  – Import metadata and images together
• Alternative page view of book using METS Navigator
<table>
<thead>
<tr>
<th><strong>Title:</strong></th>
<th>[Alpha. Omega.] Geistliche emblemata oder Sinn-Bilder, aus den Sonntags-Evangelien vom 1. Advent biss auff Trinitatis / View holdings at the UIUC Library</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alternative Title:</strong></td>
<td>Geistliche Emblemata oder Sinn-Bilder aus den Sonntags-Evangelien vom 1. Advent biss auff Trinitatis.</td>
</tr>
<tr>
<td><strong>Creator:</strong></td>
<td>Meinhard, Sebald.</td>
</tr>
<tr>
<td><strong>Publisher:</strong></td>
<td>Danzig : Druckts David-Fridrich Rhete</td>
</tr>
<tr>
<td><strong>Place of Publication:</strong></td>
<td>Poland Gdansk.</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>Im Jahr Christi 1675.</td>
</tr>
<tr>
<td><strong>Physical Description:</strong></td>
<td>[56] p. : ill. ; 20 cm. (4to)</td>
</tr>
<tr>
<td><strong>Language:</strong></td>
<td>ger</td>
</tr>
<tr>
<td><strong>Notes:</strong></td>
<td>Signatures: ΤΠ A-F 6η (E3 missigned 'Eiiii'). Greek letters at head of title. With 26 engraved emblems, numbers 20 and 21 misnumbered 'XXI' and 'XXII', respectively.</td>
</tr>
</tbody>
</table>
Geistliche emblemata oder Sinn-Bilder, aus den Sonntags-Evangelien vom 1. Advent biss auf Trinitatis /
Creating E-Book Records

• Add links to existing print resource records & create new e-book records

• Separate record approach
  – To make digitized content available to other libraries
  – To display item as ‘E-Content’ to users
  – To use FRBRized search and display in the future
• Update/Create new E-records every month using XSLT/Perl
  – Using OAI-PMH to harvest MARC.xml
  – XSLT and Perl
    • Correct punctuations
    • Add 245 #h, 530, 533, 690 and 710
    • Produce one MARC format record file for OCLC importing
  – CARLI creates holding records
Title: The abc with the Pater noster Ave, Credo, and x. co[m]naugmentes in Englysshe newly translated and se most gracyouse commandement [electronic resource].

Published: Printed at Londo[n]: In the Old bayly by Richard Lart, [ca. 1545]

Physical Description: [8] p.; 10 cm.
System requirement: Adobe Acrobat Reader.

Related URL: Full text - UIUC
http://hdl.handle.net/10111/UIUCUNICA:anon0001abcpat

Subject (LCSH): Hornbooks. Early works to 1800.
Subject (Other): Project Unica.
Other Name: University of Illinois at Urbana-Champaign. Rare Book & Manuscript Library.

Other Formats of Title: Original

References: STC (2nd ed.) 19.6

Notes: Electronic reproduction. Urbana, Ill. : Rare Book & Manuscript Library, University of Illinois at Urbana-Champ
Estimated publication date from STC.
Consists of 8 pages printed on the outer forme of a halfsheet, with the blank pages of the inner forme pasted pamphlet of 4 leaves.--STC.
Also available in print.

Persistent link to this page: https://i-share.carli.illinois.edu/uiu/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&BBRecID=5440678

Institution: University of Illinois at Urbana-Champaign Library
Location: *UIUC Online Collection

Call Number: Online Resource → Text me this call number

Copy: 1
The abc with the Pater noster Aue, Credo, and .x. co[m]maundementes in Englysshe newly translated and set forth, at the kyngs most gracyouse commaundement

Author: University of Illinois at Urbana-Champaign. Rare Book & Manuscript Library.
Publisher: Printed at Londo[n] : In the Old bayly by Richard Lant, [ca. 1545]
Edition/Format: eBook : Juvenile audience : English
Rating: ★★★★★ (not yet rated)
Author: Forbes, Stephen Alfred, 1844-1930
Title: Experiments with repellents against the corn root-aphis, 1905 and 1906 / by Stephen A. Forbes.
Series: Bulletin (University of Illinois (Urbana-Champaign campus). Agricultural Experiment Station); no. 130
Published: Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1908.
Physical Description: 28 p.; 23 cm.
Related URL: Full text - UIUC
http://hdl.handle.net/2142/3390
Subject (LCSH): Corn --Diseases and pests
Corn root-aphis --Control.
Other Formats of Title: Experiments with repellents against the corn root-aphis, 1905 and 1906
Notes: Cover title.
Also available as E-Book.
sistent link to this page: https://i-share.carli.illinois.edu/uuid/cgi-bin/Pwebrecon.cgi?DB=local&v1=1&BBRecID=1034686
Author: Meinhard, Sebald


Published: Dantzig : Druckts David-Fridrich Rhofo, Im Jahr Christi 1675.

Physical Description: [56] p.: ill.; 20 cm. (4to).
System requirement: Adobe Acrobat Reader.

Related URL: Full text - UIUC
Full text - OCA
Digital Emblematica - UIUC
http://hdl.handle.net/10111/DIUCOCOA:alphaomageageist00mein
http://www.archive.org/details/alphaomageageist00mein
http://images.library.uiuc.edu:8081/ju/?:emblems,2612

Subject (LCSH): Emblem books, German --Early works to 1800
Subject (Other): Open Content Alliance Digitization Project

Genre/Form: Emblem books --Poland --17th century

Other Name: Open Content Alliance

Other Formats of Title: Original
Update catalog for digitized books from other institutions

- HathiTrust (University of Michigan)
  - Metadata can be harvested via OAI-PMH
  - Harvest specific sets
    - setSpec=pd (public domain)
    - setSpec=pdus (public domain US)
  - Extract OCLC number and 856 #u with a simple XSLT, monographs only
  - Identify what UIUC has in print format
  - Add 856 #u to the print record with #3 note
    
    “Full text – University of Michigan (Hathi Trust)”
• Internet Archives/Open Content Alliance
  – UIUC brokers OAI-provider records for OCA books contributed by (6 month lag)
    • American Libraries
    • University of Toronto
  – Follow same procedure as UM Books
  – Use different text, “Full text – Institution Name”
Current status

- more than 16,000 UIUC volumes digitized
- more than 10,000 on Illinois Harvest and OPAC

Log analysis
- 7/1/07 - 6/30/08
- Total URL hits on digitized books: 557,557
- Total hits on Illinois Harvest home page: 154,013
Summary – Issues

• Single records vs. separate records
• Handling serials and multi volume sets
• Too many options/links?
• Identifier / inconsistent URL
• Cost to download from OCA vs. extra security
• Approach for linking to non-UIUC digitized content
• Learn from similar projects elsewhere
Thank you!

Illinois Harvest
http://illinoisharvest.grainger.uiuc.edu/

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Myung Ja Han <mhan3@illinois.edu>
Timothy W. Cole <t-cole3@illinois.edu>

University of Illinois at Urbana-Champaign