DigiTool for Course Support at Notre Dame

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Some Brief History . . .

- Digitool 1.0 purchased in 2001
- Small pilot with 2.0 to compare DSpace and Digitool in 2003
- Skipped 2.4 upgrade to wait for 3.0 release
- Digitool now a component project of Institutional Digital Repository project at Notre Dame
- Beginning with image collections for course reserve
Institutional Digital Repository (IDR)

- Library pilot project 2005-2006 to explore policy and technology issues with institutional repositories
- Cross-divisional; 35 staff + outside library
- Content components:
  - Working papers/preprints
  - Excellent undergraduate research
  - Art Image Library collection
  - Electronic Theses & Dissertations
OAI in Digitool: Iterations

- Initially developed by Ex Libris in version 3.0
- SP13 introduced Repository Replication via DLESE OAI
- SP15 introduced new in-house OAI provider, stores harvested data in DB table instead
Publishing Manifestations to OAI

- Needed ability to distinguish between ARCHIVE, VIEW, VIEW_MAIN manifestations with URLs to each
- Working properly finally with SP15:
  
  ```
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  <dc:identifier>
  http://lib6.nd.edu:1801/webclient/DeliveryManager?pid=4596&custom_att_2=simple_viewer&USAGETYPE=ARCHIVE
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  <dc:identifier>
  http://lib6.nd.edu:1801/webclient/DeliveryManager?pid=4695&custom_att_2=simple_viewer&USAGETYPE=VIEW
  </dc:identifier>
  ```
Art Image Library

- ~230,000 analog slides
- Dept. of Art, Art History & Design, College of Arts & Letters
- Primary use: course support & research
- Curator, Assistant Curator, undergraduate art history students
Art Image Library: FileMaker Pro

- 155,000 records of varied quality and consistency; 230,000 slides in collection
- Started out in 1985 as HyperCard application
- Accession number unique identifier; some images predate database (ASL-xxxxx identifiers)
- Approximately 16k images digitized; 5k-7k newly digitized per year
- Filemaker Pro input/find interface
- Manuscripts use slightly different fields
Filemaker Pro --> DigiTool

- Enhance, correct Filemaker Pro data one course at a time (3-4 min./record)
- Enrich with ArtStor and other descriptive metadata
- Export CSV from Filemaker Pro
- Process CSV file with XSL to DCXML
- Organize TIFF images, ingest XML in clusters of 500 records each
- Ingest, task, apply access rights to incoming images
- Create, update collections
DC XML transformation

xmlns:dcterms="http://purl.org/dc/terms">
  <dc:identifier>11240.tif</dc:identifier>
  <dc:identifier>11240.jpg</dc:identifier>
  <dc:title>Strozzi Altarpiece</dc:title>
  <dc:creator>Gentile Da Fabriano</dc:creator>
  <dcterms:bibliographicCitation>Abbeville Press, The Art of Florence</dcterms:bibliographicCitation>
  <dc:source>Florence, Uffizi</dc:source>
  <dcterms:temporal>15</dcterms:temporal>
  <dcterms:created>1423</dcterms:created>
  <dcterms:spatial>Italy</dcterms:spatial>
  <dc:format>Painting</dc:format>
  <dc:format>tempera on panel</dc:format>
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  <dcterms:mediator>Venetian</dcterms:mediator>
  <dc:contributor>sms</dc:contributor>
  <dc:source>http://alephprod.library.nd.edu:8991/F/?func=find-b&amp;find_code=020&amp;request=0896594025</dc:source>
</record>
Art Image collections: Course Support

- Collections primarily used for teaching in Art, Art History & Design dept.
- Desire and demand to expand to other academic departments, eg. Theology, American Studies, etc.
- Copyright provenance varied, so need to limit to class enrolment for most of collection
- Faculty currently mostly use Powerpoint for image presentation
Web Gallery for Image Study

Judith

Artist: Giorgione (after), 1729, engraving by Toniette Lancker
Powerpoint for Teaching


Raphael, *Baldassare Castiglione*, c. 1515, Paris Louvre
| **Object** | Gallery of Archduke Leopold Wilhelm - JPEG Image (2 M)  
|           | Gallery of Archduke Leopold Wilhelm - JPEG2000 Image (15 M) |
| **Record number** | 000000025 |
| **Title** | Gallery of Archduke Leopold Wilhelm |
| **Creator** | Tenters H., David. |
| **Subject** | Leopold Wilhelm, Archduke of Austria, 1614-1662 |
| Subject | Galleries (display spaces) |
| Subject | Gallery pictures |
| Subject | Painting galleries |
| Subject | Painting--Flanders (Belgium)--17th C. A.D |
| **Modified** | 2007-03-21 |
| **Format** | Painting |
| **URI** | http://4841.tif |
| **URI** | http://4841.jpg |
| **Bibliographic citation** | Dopo Caravaggio-Bartolomeo Manfredi |
| **Source** | Munich, Bayerische Staatsgemald |
| **Source** | http://alephprod.library.nd.edu:8991/F/?func=find-b&find_code=020&request=8804316411 |
| **Has Format** | 35 mm slide |
| **Has Format** | Digital file |
| **Spatial** | Netherlands |
| **Temporal** | 17 |
| **Rights** | Restricted to authenticated users of the University of Notre Dame |
| **Mediator** | Venetian |
Changed JPEG2000 script to increase number of layers available.
Changed JPEG2000 script to increase number of layers available.
Authentication Issues

- PDS cannot handle two types of authentication methods (yet); in development
- Denied bases for restricting access: item level or defined base level
- Denied bases still show total collection size
- Notre Dame LDAP does not provide groups based on class
- Use internal authentication based on per class enrollment for now
Decision Points: Digitool Image Collections

- Descriptive standard: VRA, DC, something else?
- IP decisioning; how far to lock down?
- Authentication methods
- Resolution standards: for ARCHIVE and VIEW manifestations
- Preservation metadata: NISO Image, JHOVE, PREMIS
- Resource Discovery customization
Architecture Lantern Slides

- ~3000 glass lantern slides in collection
- Publisher: Massiot & Cie, Coubervoie, Seine, Paris, France
- Went out of business around WW I
- Cleaning and scanning; loading into Flickr & Digitool
- Minimal metadata
Dual approaches: Digitool & Flickr

- Very little metadata exists, so why not invite Flickr community to contribute?
- Use Flickr to raise collection visibility
- Use Digitool as archival repository
- Invite faculty & students in School of Architecture to contribute, as well as others
- Creative Commons 2.0 Share-A-Like license
# Architecture Lantern Slides: Deposit module

## Descriptive Information

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Architecture Lantern Slides: Flickr
Flickr: Tag Cloud

nd_architecture_library's photos

Jump to:

Abbey, Algeria, Atriums, Avignon, Athens, Austria, Bologna, Bourges, Brescia, Bridge, Brou, Bruges, Brussels, Cen, Cairo, Cambodia, Castle, Cathedral, Cent, Century, Chapel, Chapel, Chateau, Church, City, Cologne, Court, Corey, Dame, De, Cleric, Det, Detail, Igen, Door, Egypt, Etienne, Facade, Florence, Fontainebleau, Fountain, France, Francis, Front, Gand, Garden, Gate, Germany, Great, Greece, Hall, Holy, Hospital, Hotel, House, Houses, India, Int, Interior, Israel, Italy, Jerusalem, John, Karnak, La, Lantern, Le, Library, Major, Mark, Mary, Michel, Milan, Monastery, Mont, Mosque, Museum, Nancy, Naples, Nd, Ndlanternslides, Nimes, Notre, Notredame, Notredamearchitecture, Old, Owen, Padua, Palace, Palestine, Paris, Paul, Pergamum, Peter, Pisa, Pmitt, Pissis, Pollini, Pompeii, Ravenna, Rome, Rothenburg, Rouen, Ruins, S, Saint, San, Seine, Slide, St, Station, Stephen, Temple, Theater, Theatre, Thebes, Tiber, Tomb, Tours, Tower, Troyes, University, Vatican, Venice, Verona, Versailles, Villa, Walls, Ypres.
Flickr: Full view, with comments
Next steps through 2008

- Complete 'Late Antique and Early Christian Art' and 'Modern Art II' for Fall 2008
- Complete Deposit templates, RD customization
- Follow evolving group access rights; Create class accounts for Fall '08 classes
- Catch up to the digitized backlog awaiting ingest
- Move on to textual collections: EAD, TEI
- demo: http://lib6.nd.edu:1801/
Thanks!

Contact:

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