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:

–

<dc:identifier>
http://lib6.nd.edu:1801/webclient/DeliveryManager?pid=4745&custom_att_2=simple_viewer&USAGETYPE=THUMBNAIL
</dc:identifier>

–

<dc:identifier>
http://lib6.nd.edu:1801/webclient/DeliveryManager?pid=4596&custom_att_2=simple_viewer&USAGETYPE=ARCHIVE
</dc:identifier>

–

<dc:identifier>
http://lib6.nd.edu:1801/webclient/DeliveryManager?pid=4695&custom_att_2=simple_viewer&USAGETYPE=VIEW
</dc:identifier>
</record>

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

IT
GIOVANNI-GOZZOLI
IT
GOZZOLI-GUERCINO
IT
GUERCINO-LAND
IT
LANFRANCO-LEONARDO
IT
LEONARDO
IT
IT
IT
IT
IT

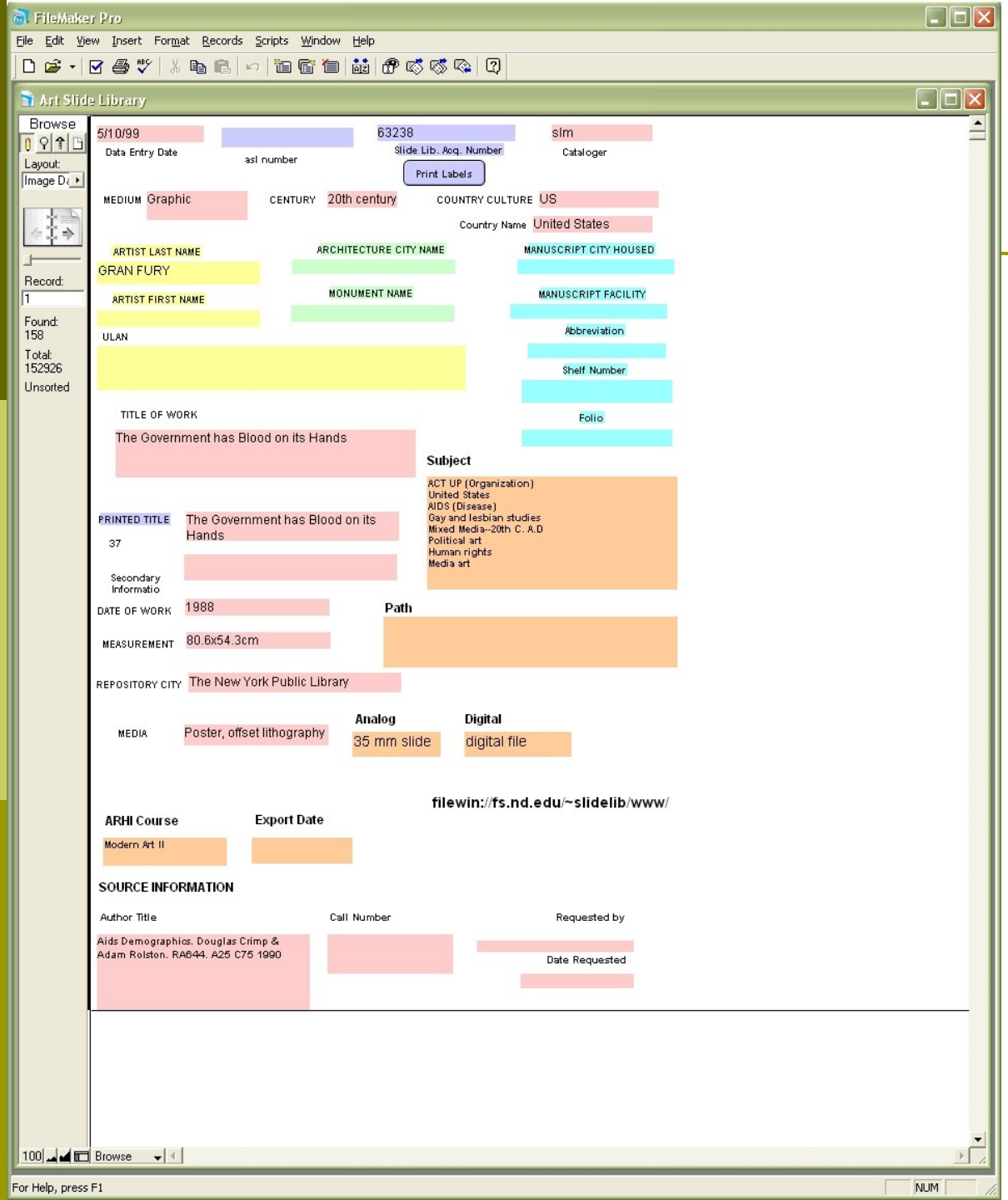
FR
BOULD- CARD

A15RUM MOLDAVIE, Mnstry of Putna
Ext. Aerial View of Landscape
1466-70 Founded by
Prince Etienne le Grande,
143722.
A15RUM MOLDAVIE, Mnstry of Putna
Ext. Aerial View of Landscape
1466-70 Founded by
Prince Etienne le Grande,
143722.

GOD BLESS JOHN WAYNE

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-xxxx 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


```
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  <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>
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  <dcterms:created>1423</dcterms:created>
  <dcterms:spatial>Italy</dcterms:spatial>
  <dc:format>Painting</dc:format>
  <dc:format>tempera on panel</dc:format>
  <dc:format>300x282</dc:format>
  <dcterms:mediator>Venetian</dcterms:mediator>
  <dc:contibutor>sms</dc:contibutor>
  <dc:source>http://alephprod.library.nd.edu:8991/F/?func=find-b&amp;amp;find_code=020&amp;amp;request=0896594025</dc:source>
</record>
```
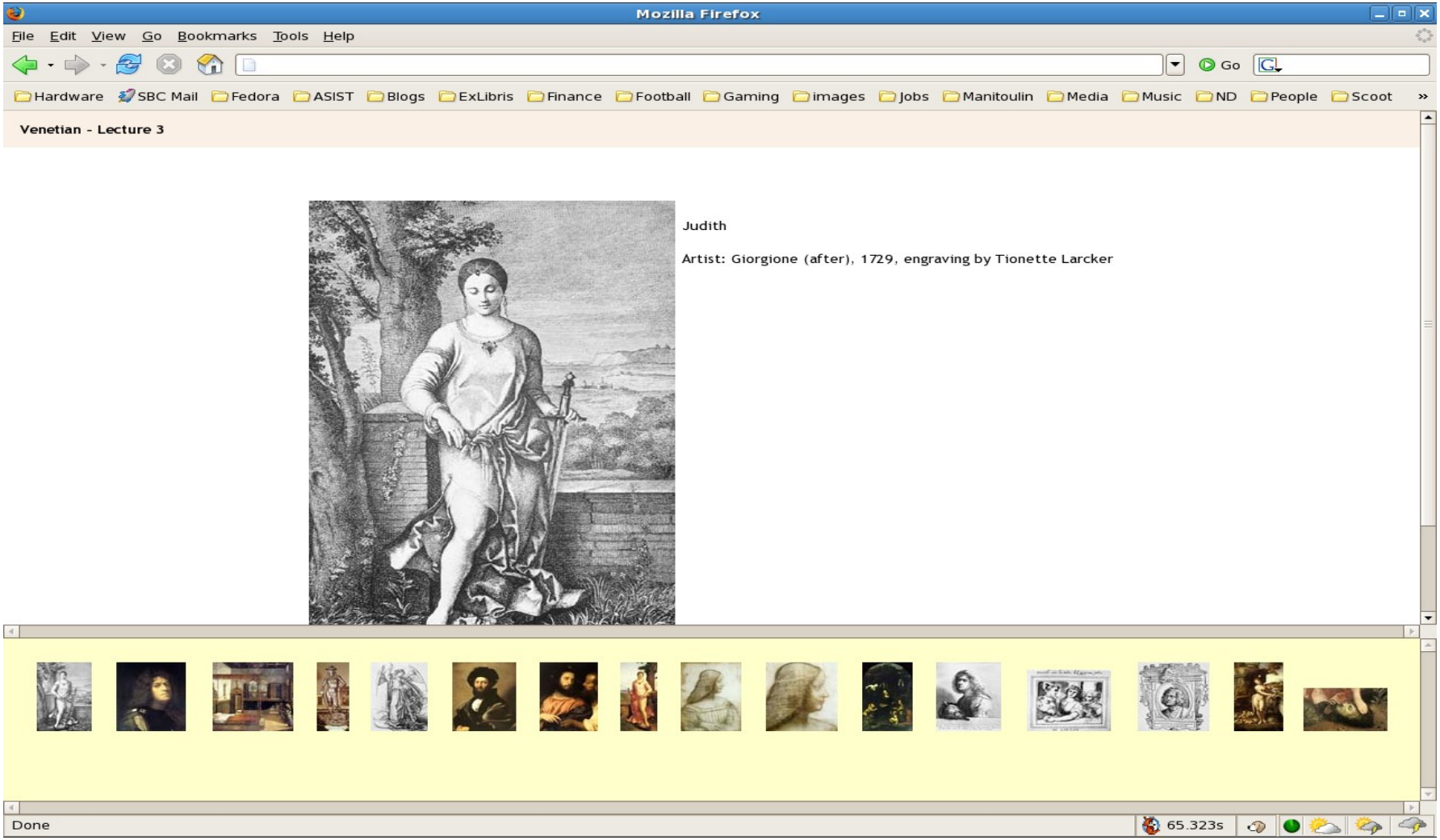

Art Image collections: Course Support

- 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

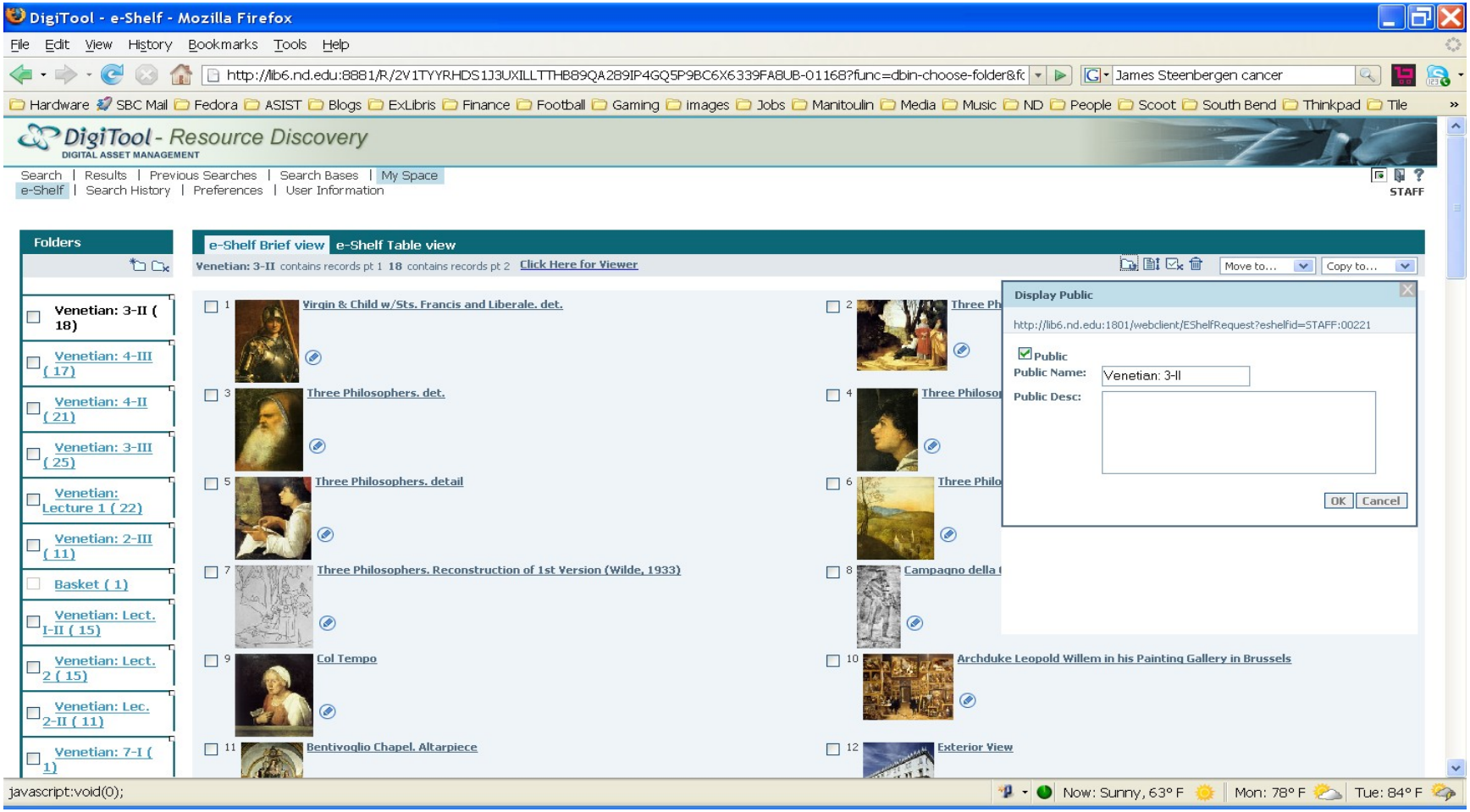


Powerpoint for Teaching

Leonardo da Vinci, *Madonna of the Rocks*, 1483, Paris, Louvre

Raphael, *Baldassare Castiglione*, c. 1515, Paris Louvre

E-Shelf Public Folder Publishing



Venetian: 3-II - Mozilla Firefox
File Edit View Go Bookmarks Tools Help
http://lib6.nd.edu:1801/metsviewer/archobj?DOCCHOICE=STAFF_00221.xml&side_by_side=false&show_metadata=true&me
Go
Hardware SBC Mail Fedora ASIST Blogs ExLibris Finance Football Gaming images Jobs Manitoulin Media Music ND People Scoot
DigiTool - Resource Discovery

Venetian: 3-II

- Virgin & Child w/Sts. Francis and Liberale. det.
- Three Philosophers
- Three Philosophers. det.
- Three Philosophers. det.
- Three Philosophers. detail
- Three Philosophers. det.
- Three Philosophers. Reconstruction of 1st Version (V
- Campagno della Calza. Detached in 1937
- Col Tempo
- Archduke Leopold Willem in his Painting Gallery in Br
- Bentivoglio Chapel. Altarpiece
- Exterior View
- Madonna of Orange Tree w/Sts. Jerome & Louis
- Laura
- Three Philosophers. after Giorgione
- Gallery of Archduke Leopold Wilhelm
- Benson Holy Family
- Castelfranco Altarpiece. det

Title:	Virgin & Child w/Sts. Francis and Liberale. det.
Creator:	Giorgione
Subject:	Mary, Blessed Virgin, Saint--And Child
Subject:	Painting--Italy--16th C. A.D
Subject:	Saints
Subject:	Religious - Virgin
Format:	Painting

Virgin & Child w/Sts. Francis and Liberale. det.

Change action on mouse click

Use Plugin

Change Image Size... Change action on mouse click

Done 1.790s

Venetian: 3-I - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://lib6.nd.edu:1801/metsviewer/archobj?DOCCHOICE=STAFF_00190.xml

Go

Hardware SBC Mail Fedora ASIST Blogs ExLibris Finance Football Gaming images Jobs Manitoulin Media Music ND People Scoot

DigiTool - Resource Discovery

Venetian: 3-I

Madonna of the Rocks

Portrait of Baldassare Castiglione

Change Image Size...

Change action on mouse click

Change Image Size...

Change action on mouse click

Change action on mouse click

Use Plugin

Change action on mouse click

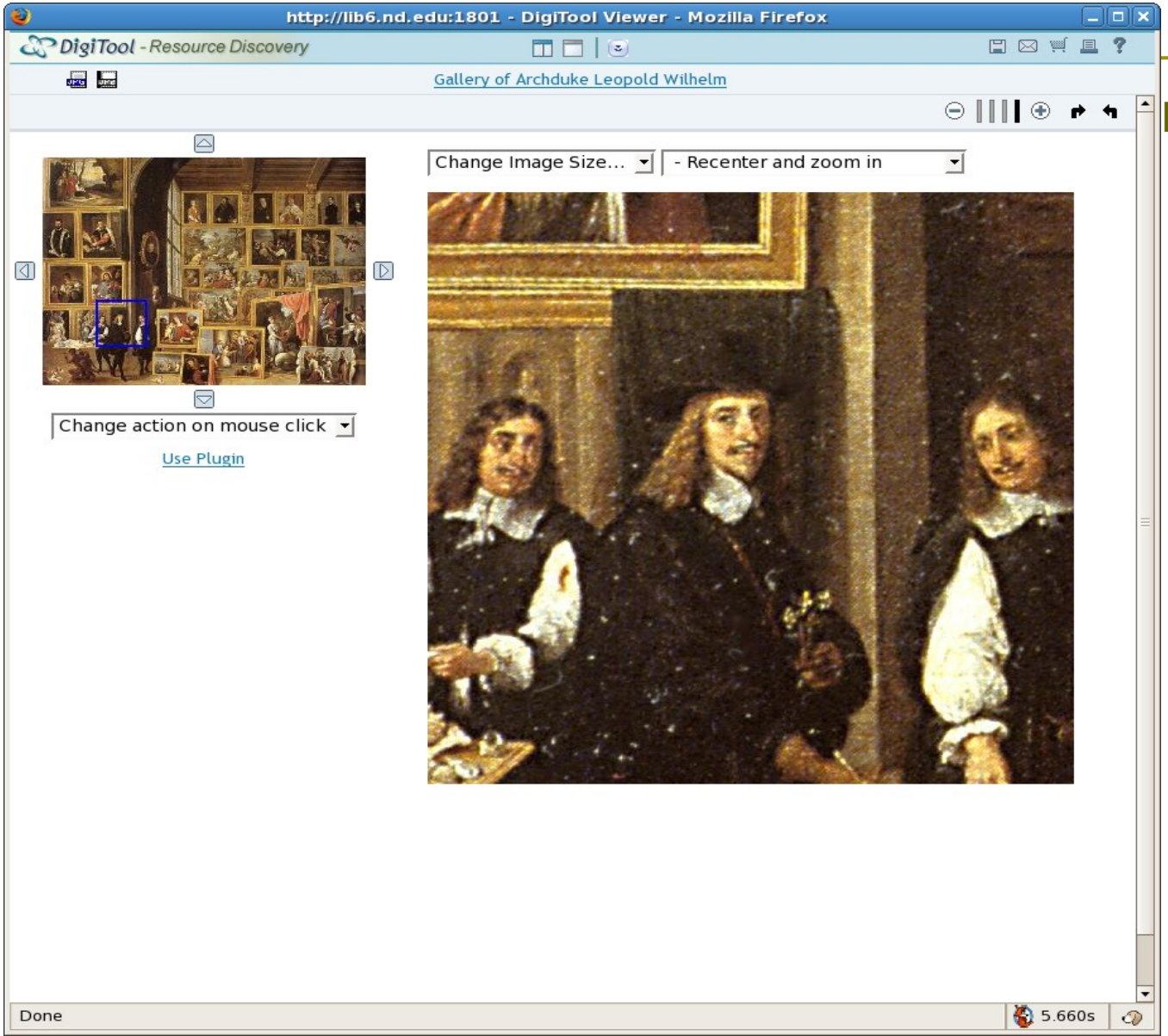
Use Plugin

http://lib6.nd.edu:1801/metsviewer/jsp/SideBySideFrameset.jsp?objID=5

1.611s

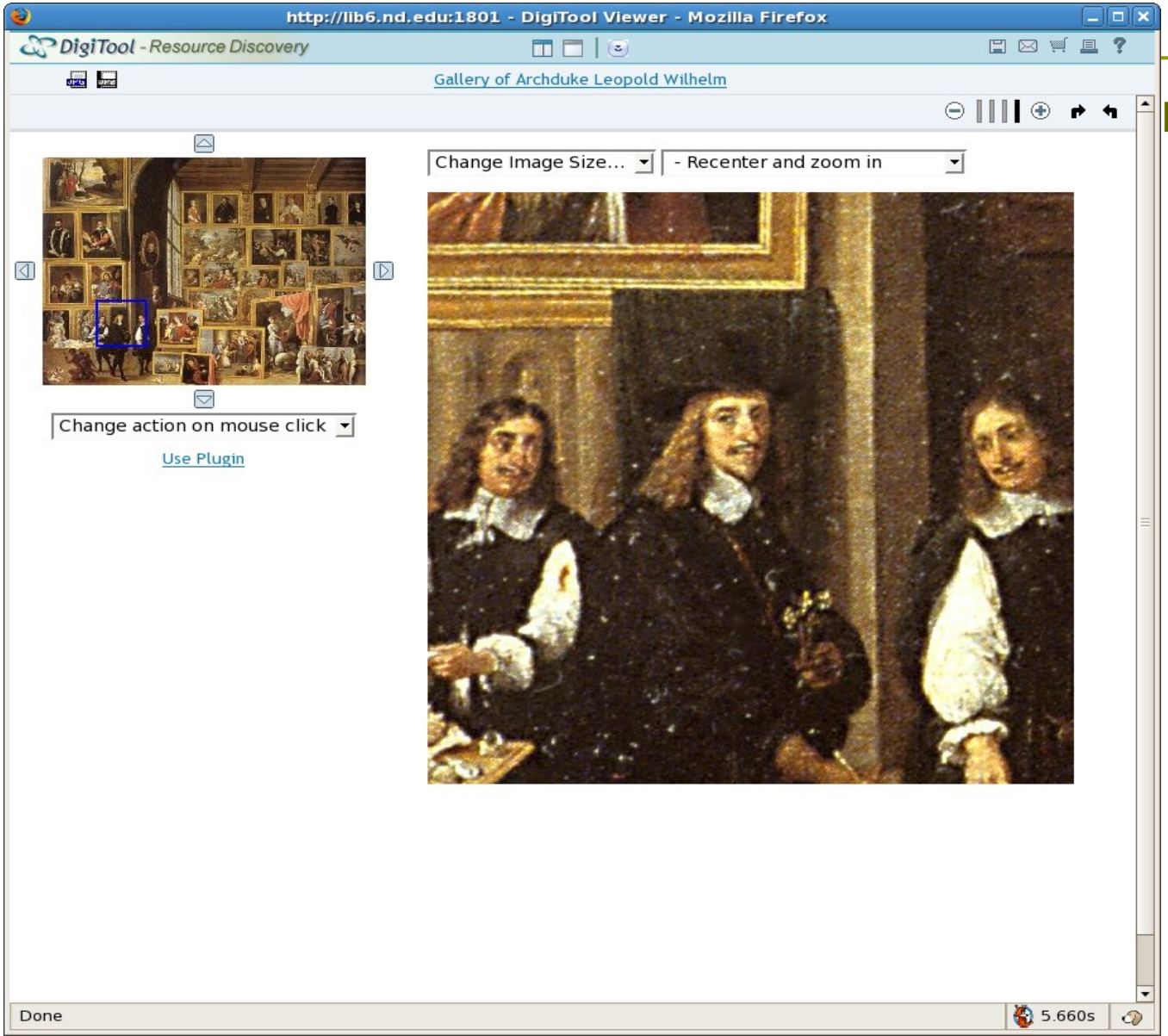
Object		Gallery of Archduke Leopold Wilhelm - JPEG Image (2 M)
		Gallery of Archduke Leopold Wilhelm - JPEG2000 Image (15 M)
Record number	000000025	
Title	Gallery of Archduke Leopold Wilhelm	
Creator	Teniers Ii, David .	
Subject	Leopold Wilhelm, Archduke of Austria, 1614-1662	
Subject	Galleries (display spaces)	
Subject	Gallery pictures	
Subject	Painting galleries	
Subject	Painting--Flanders (Belgium)--17th C. A.D	
Modified	2007-03-21	
Format	Painting	
URI	^4841.tif	
URI	^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	

JPEG2000 Display



- Changed JPEG2000 script to increase number of layers available

JPEG2000 Display



- 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

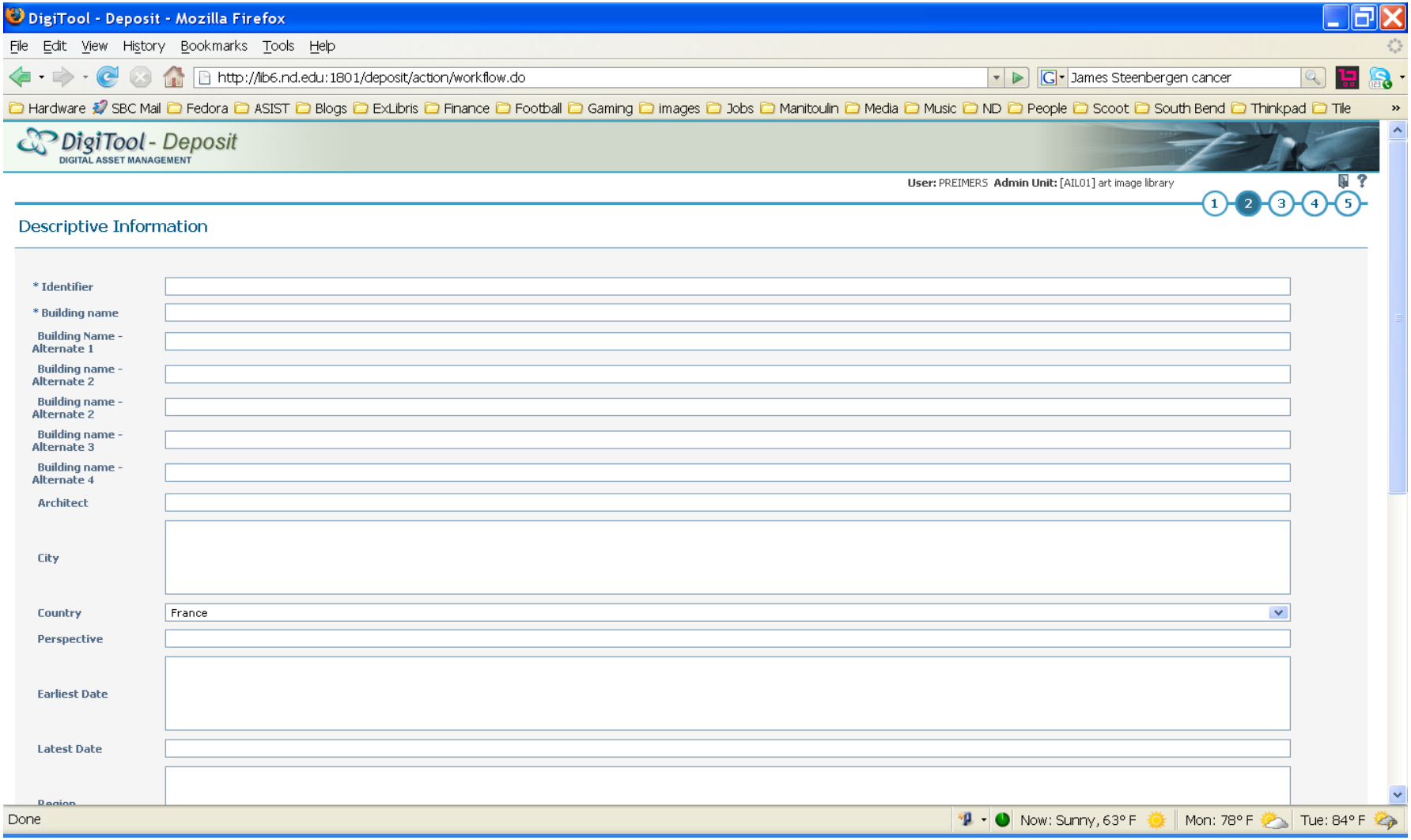
Architecture Lantern Slides

- ~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

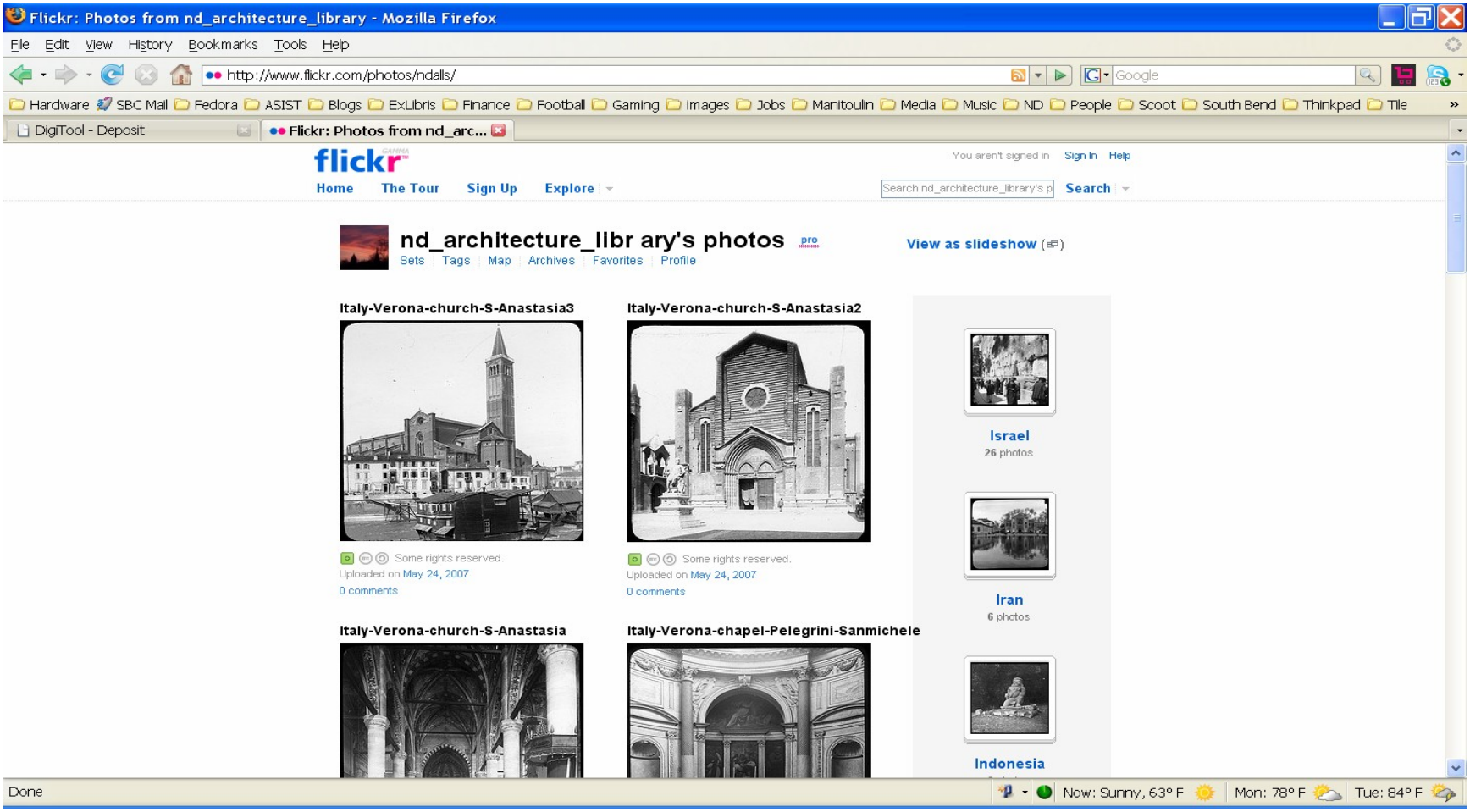
Dual approaches: Digitool & Flickr

- 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

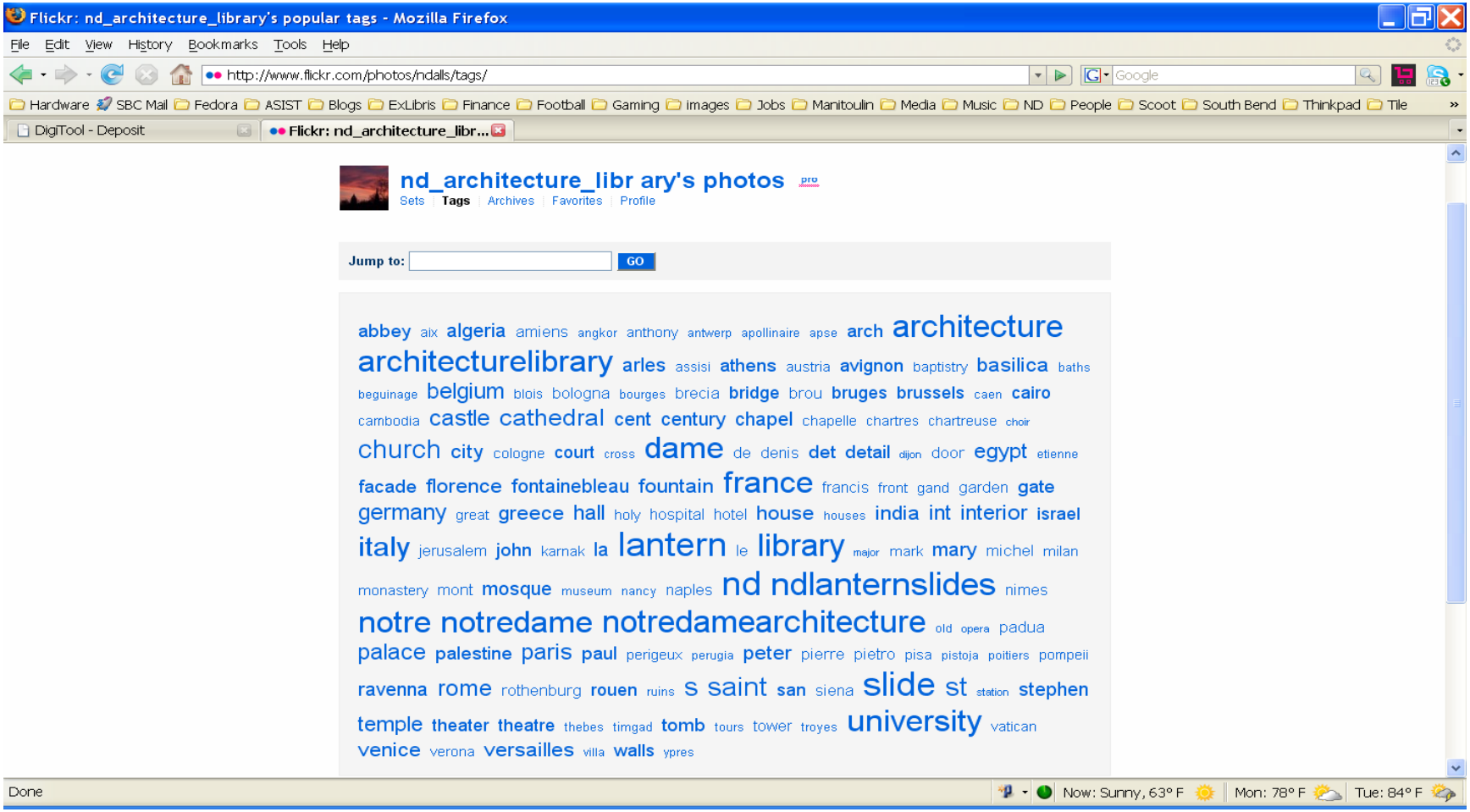
Architecture Lantern Slides: Deposit module



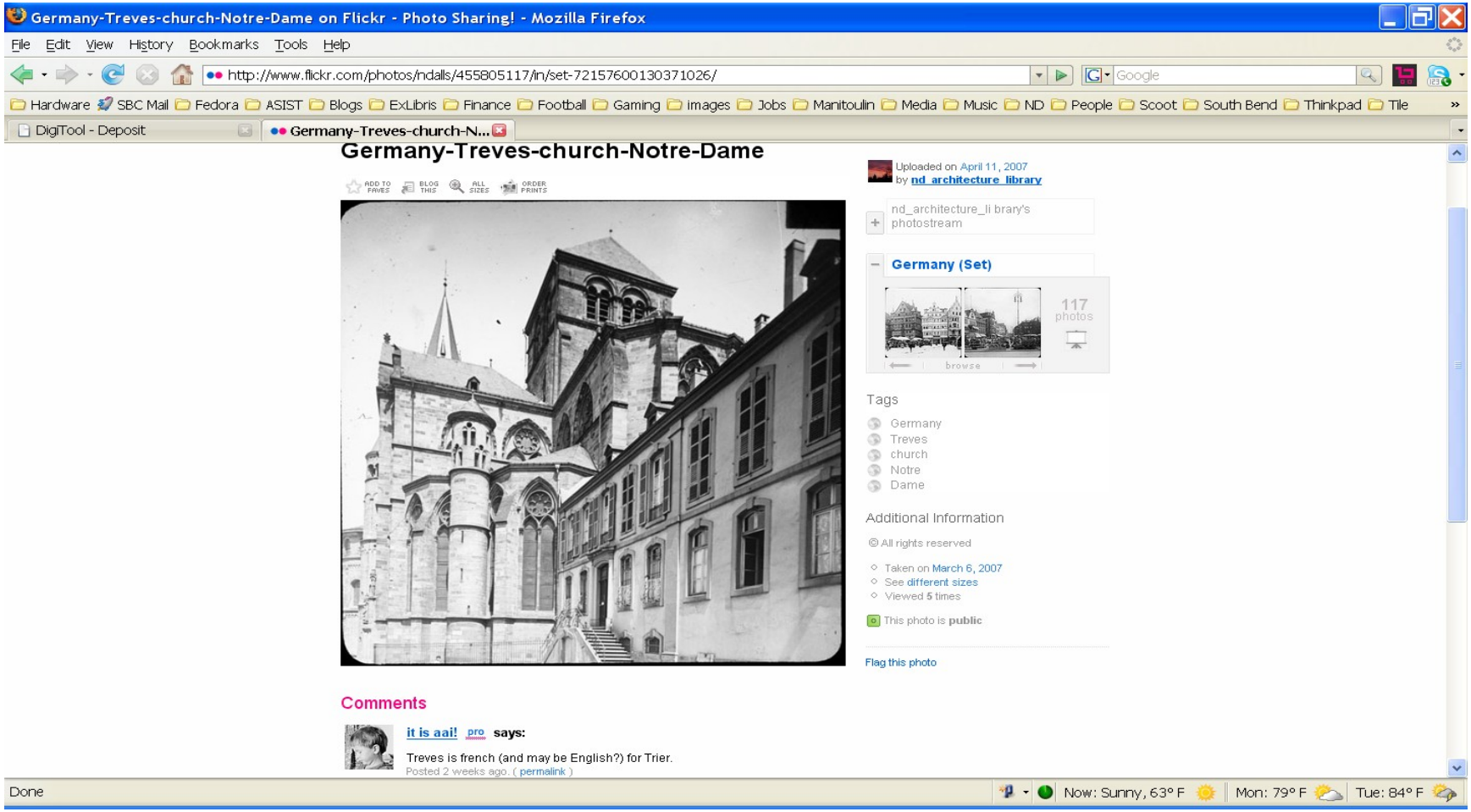
Architecture Lantern Slides: Flickr



Flickr: Tag Cloud



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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