

# Embedded metadata in the cultural heritage community

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UC San Diego



<http://www.vraweb.org/>



# Cultural Heritage





# Embedded Cultural Heritage



Wikimedia Commons



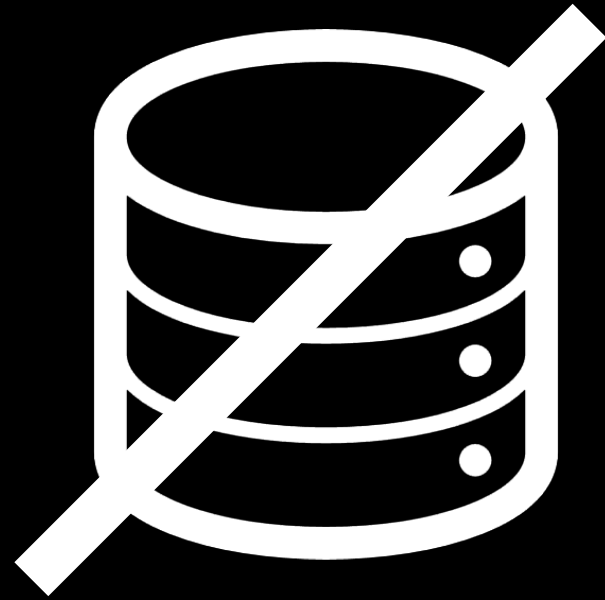
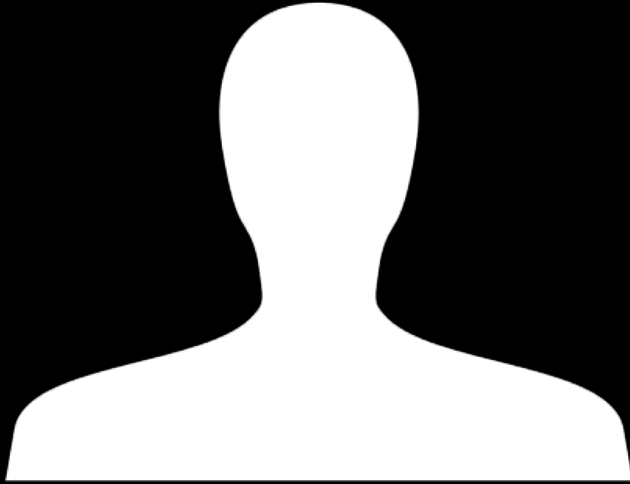




Museums  
Archives  
Libraries  
Education

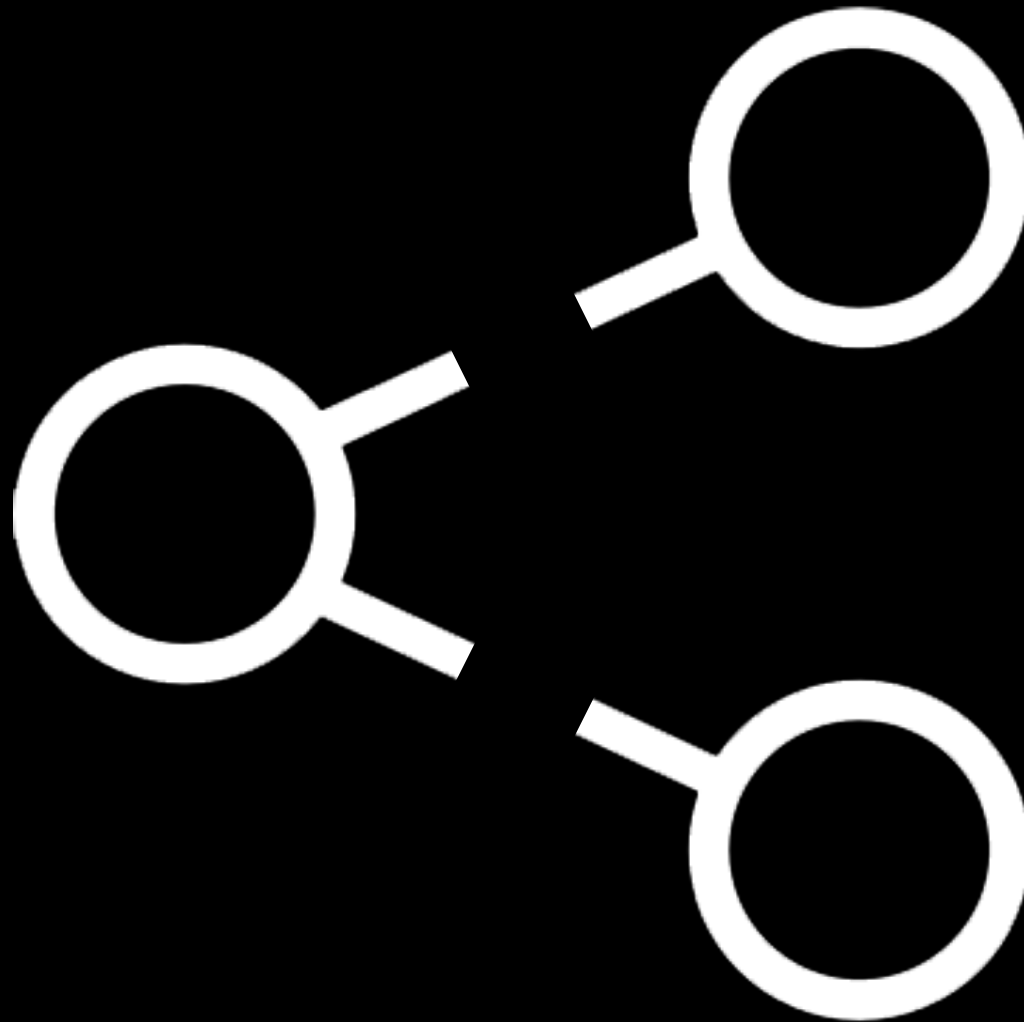


# Restricted Access



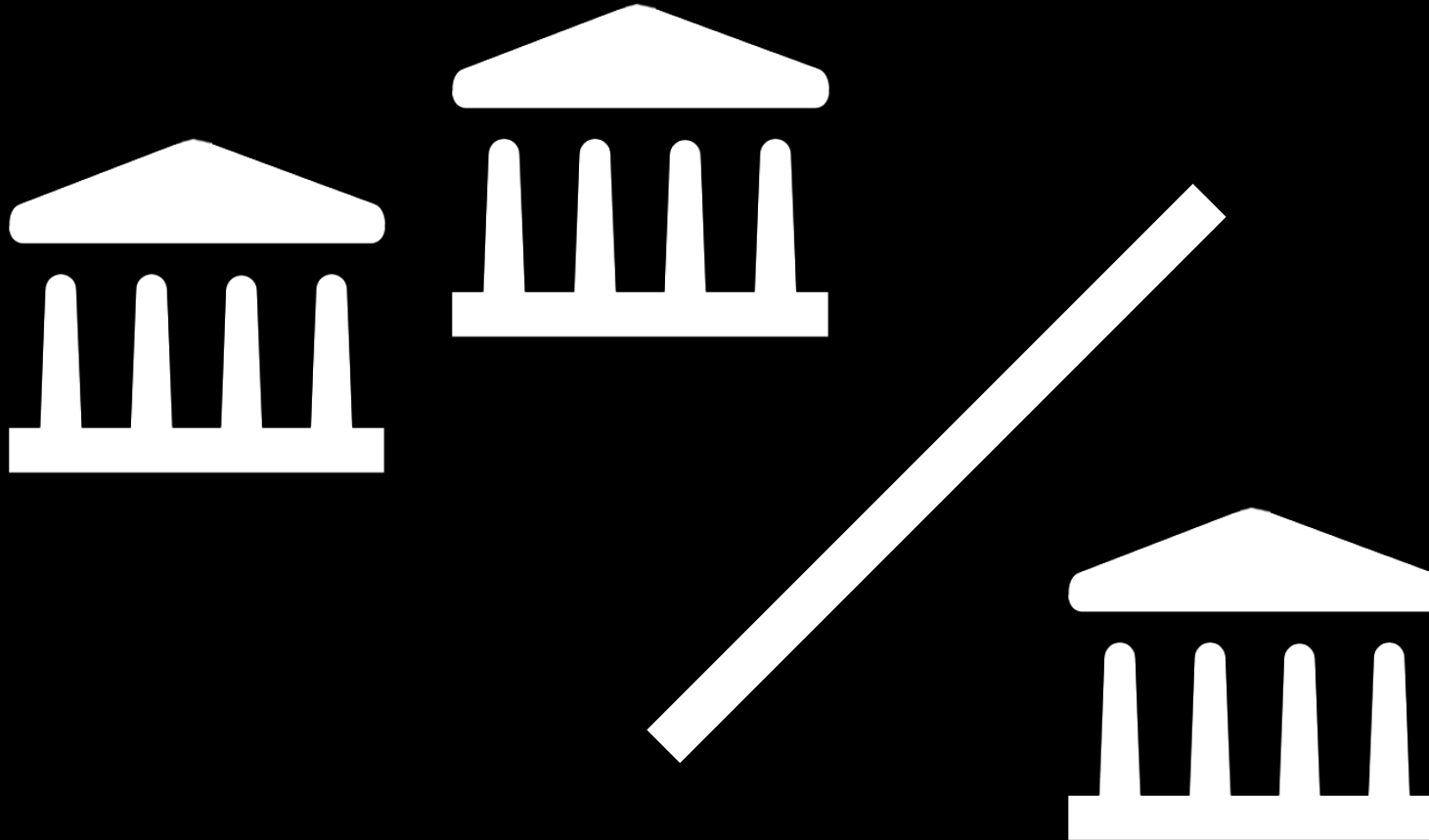


# Separate Systems



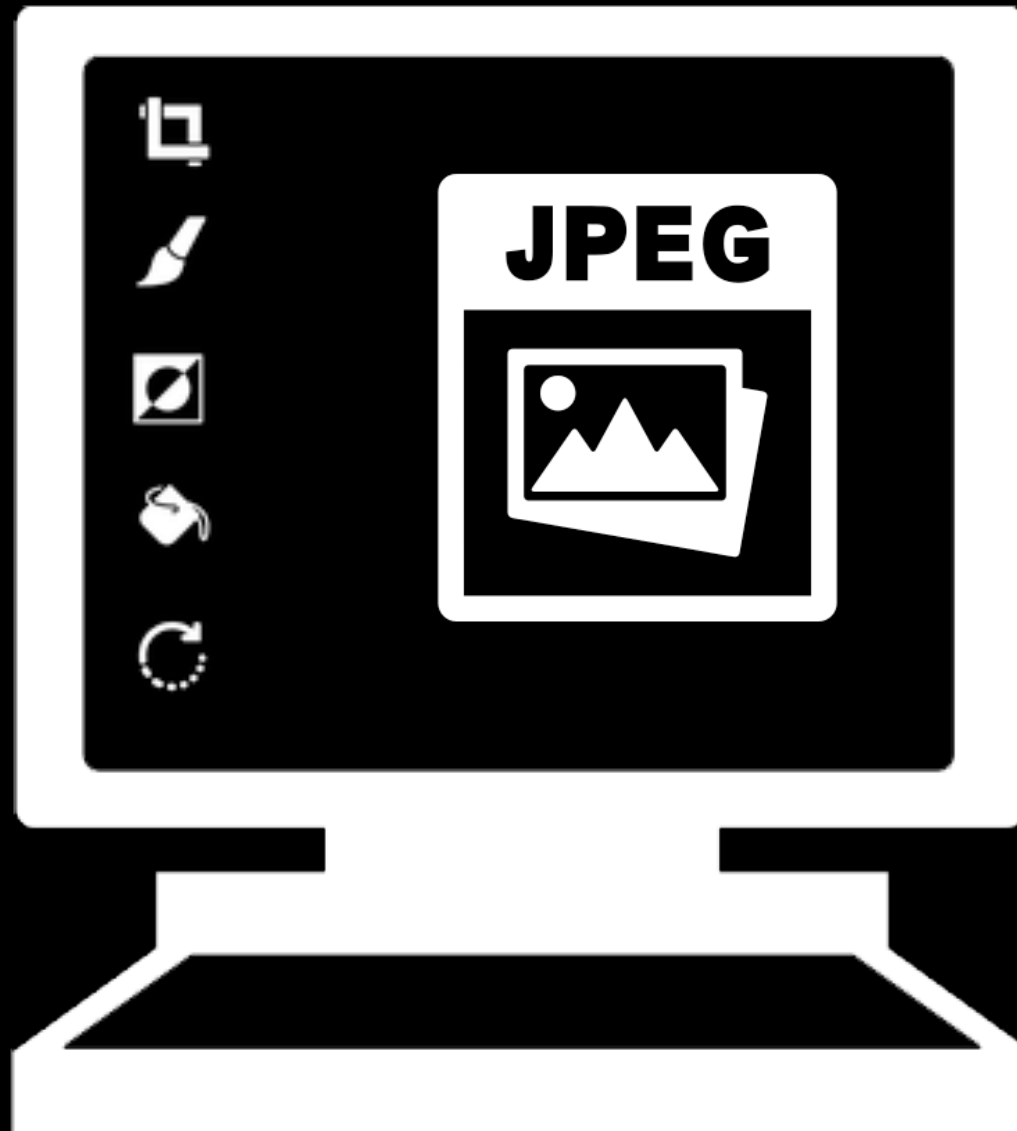


# Bureaucracy





# Photo Software





# Spreadsheets

	A	B	C	D
1				
2				
3				
4				
5				
6				
7				



Ps

Br

# File Info Panel

panel version 1.0

visual resources association

all fields are visible

Search vocabularies:

Use semicolons as delimiters  
\*to preserve commas and semicolons as punctuation, use quotes for a phrase. (example: "Picasso, Pablo")

### Work

Creator	
Title	
View Description	
Date	
Style/Period	
Culture	
Work Type	
Material	
Technique	
Measurements	
Location	
Display	
Repository	
Site	
Creation	
Discovery	
Exhibition	
Installation	
Performance	
Other	
Notes	
Work ID	
Rights	
Description	
Subject	
Inscription	
Relation	
Text Reference	
Info Source	
Custom 1 Label	Data
Custom 2 Label	Data

### Image

View Description	
Original Date	
Creator	
Image Source	
Rights	
Copyright Status	Unknown
Creative Commons	Not a Creative Commons License
CC license URL	
Copyright URL	
Usage Terms	
Copyright Notice	
Custom 3 Label	Data
Custom 4 Label	Data

### Administration

Collection	
Job Identifier	
Cataloger	
Custom 5 Label	Data
Custom 6 Label	Data

### Summary

Photo Title

Description/Caption

Keywords

Powered By

Preferences Import... OK Cancel





# Export-Import

VRA Export-Import - code version: 2015-10-19

Visual Resources Association Metadata Export-Import Tool (compatible with VRA custom info panel version 1.0)

Using Default Field Names

### Export Metadata

Images

☐ Selected thumbnail(s) in Bridge  
☒ Entire folder

folder path: ☐ include subfolders  
~/Documents/Images/Test Images/

Options

☒ prepend Image dates with '\_'  
☐ Remove line breaks

### Import Metadata

Images in a folder

folder path: ☐ include subfolders  
~/Documents/Images/Test Images/

Metadata text file

file path:  
~/Documents/Images/Metadata Export-Import/2\_0\_e:

Match on

☒ Filename  
☐ Path and filename

Existing Data

☐ Overwrite all fields  
☒ Write only to empty fields

Options

☒ Ignore file extensions  
☒ Create Title (IPTC)  
☒ Create Description/Caption (IPTC)  
☒ Create Keywords (IPTC)  
☒ Set Thumbnail Label





# Core Schema

Work



Image





# vra Core Schema

## Work

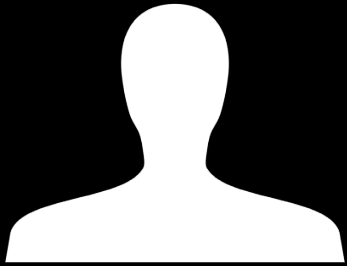
Work record [refid 11]	
<a href="#">agent</a>	after Andrea Palladio (Italian architect, 1508-1580); Ottavio Bertotti-Scamozzi (Italian author and draftsman, 1719-1790)
<a href="#">culturalContext</a>	Italian
<a href="#">date</a>	1796 (publication)
<a href="#">description</a>	[Physical descrip: 4 v. : ill., plans; 24 cm. Edition source: University of Toronto Libraries] In 1776 Bertotti Scamozzi published the first volume of Le fabbriche e i disegni di Andrea Palladio raccolti e illustrati. The idea of producing a luxurious edition of Palladio's works for an international, especially English, market began in 1770, when Pietro Edwards first discussed it with Bertotti Scamozzi, the scholar Antonio Locatelli and probably also the collector and patron John Stuart, 3rd Earl of Bute. The aim of the project was to clarify Palladio's ideas for his admirers and imitators, to solve problems of attribution and reconstruction of incomplete or destroyed works, and to resolve the question of the difference between Palladio's completed buildings and those shown in the plates of his treatise I quattro libri. Bertotti Scamozzi erroneously viewed the drawings in I quattro libri as plans representing Palladio's original wishes. He therefore undertook a philological analysis aiming to restore the 'old' Palladio: he collated all the editions of I quattro libri, comparing the designs shown in those plates that he considered most reliable and consistently Palladian with the corresponding buildings and noting the differences in execution. The results of his work were recorded in the drawings published in Le fabbriche. Grove Art Online; <a href="http://www.oxfordartonline.com">http://www.oxfordartonline.com</a> (accessed 3/24/2009) [description source]
<a href="#">inscription</a>	
<a href="#">location</a>	Vicenza, Veneto, Italy [publication] Publisher; Giovanni Rossi [location note]
<a href="#">material</a>	ink on paper
<a href="#">measurements</a>	24 cm (height)
<a href="#">relation</a>	depicts Palazzo della Ragione [Core 4 Sample Database, refid="11" relids="w_15"]
<a href="#">rights</a>	publicDomain
<a href="#">source</a>	Core 4 Sample Database (VCat)
<a href="#">stateEdition</a>	
<a href="#">stylePeriod</a>	Eighteenth century; Palladian
<a href="#">subject</a>	architectural exteriors; architectural interiors; architectural drawings; Palladio, Andrea, 1508-1580
<a href="#">technique</a>	engraving (printing process); offset printing
<a href="#">textref</a>	
<a href="#">title</a>	Le fabbriche e i disegni di Andrea Palladio [cited, true, it] Le fabbriche e i disegni di Andrea Palladio / raccolti ed illustrati da Ottavio Bertotti Scamozzi, opera divisa in quattro tomi con tavole in rame, rappresentanti le piante, i prospettive e gli ornamenti delle fabbriche di Andrea Palladio.

## Image

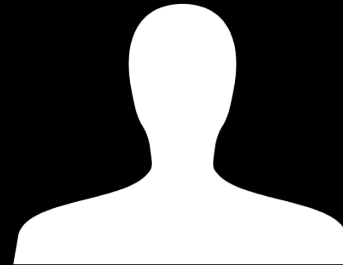
Image record [refid 109]	
<a href="#">agent</a>	Gilchrist, Scott
<a href="#">culturalContext</a>	
<a href="#">date</a>	5/15/1996 (creation)
<a href="#">description</a>	
<a href="#">inscription</a>	
<a href="#">location</a>	
<a href="#">material</a>	
<a href="#">measurements</a>	18 MB
<a href="#">relation</a>	[imageOf 11, Core 4 Sample Database (VCat)]
<a href="#">rights</a>	publicDomain
<a href="#">source</a>	VRA Data Standards Committee, Core 4 Sample Records <a href="http://www.core.vraweb.org/examples/html/example023_full.html">http://www.core.vraweb.org/examples/html/example023_full.html</a> [href] Archivision, Inc. 1A1-PA-PR-D-A4 [source of image]
<a href="#">stateEdition</a>	
<a href="#">stylePeriod</a>	
<a href="#">subject</a>	architectural drawings; architectural elements; Palladio, Andrea, 1508-1580; drawing; Ionic capital; dentils
<a href="#">technique</a>	digital imaging digital imaging
<a href="#">textref</a>	



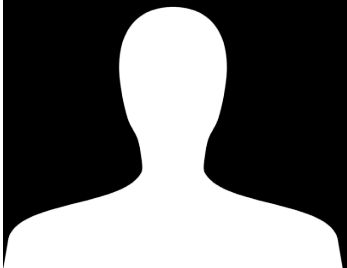
# Collect



	A	B	C	D
1				
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7				



	A	B	C	D
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7				



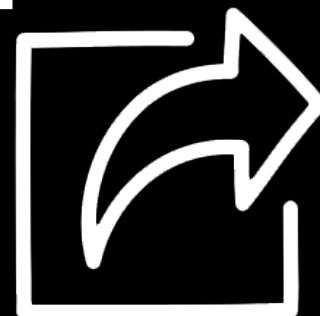
	A	B	C	D
1				
2				
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4				
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7				





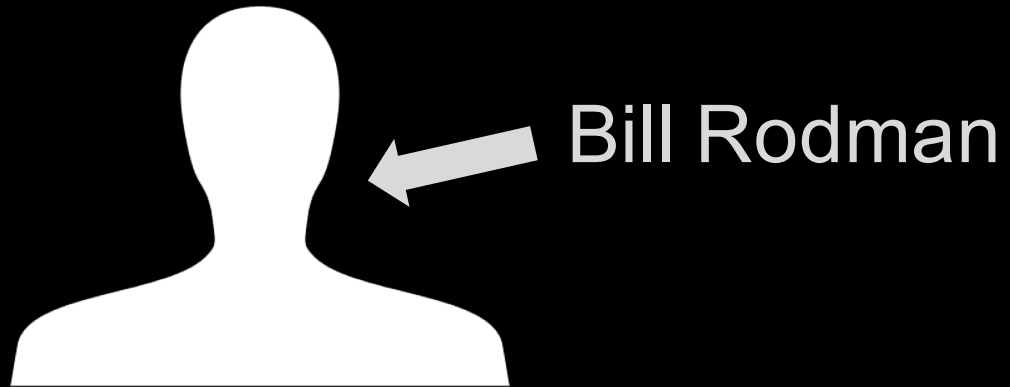


# Publish





# Use Case





# Scan Image

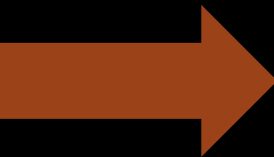
# Edit Image

# Add Metadata

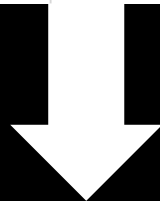




# Export



	A	B	C	D
1	<b>File Name (required)</b>	<b>Image Original Date</b>	<b>Summary Description/Caption</b>	<b>Summary Keywords</b>
2	70Abel Sponsors Rubert.jpg		Abel Tarimanini sponsors Rupert Garae, who seeks the highest rank in the East Aoban graded society, ala hanavulu. Here, Abel "sells" Rupert the right to regalia appropriate to the rank.	January 23, 1970; Ata Voa, Longana, Aoba; Rank-taking, sponsorship, regalia
3	70Ansela Under Mat.jpg	_2003-09-06	Ansela Garae and Solomon Boe are getting married. Ansela sits under a single sleeping mat and a piece of calico, waiting for her classificatory fathers to place additional sleeping mats on her head. A note-taker and an observer keep an inventory of all	November, 1970, Ata Voa, Longana, Aoba; Kastom Marriage, Book-keeping
4	70Bill at Rupert's ala.test..jpg		Bill Rodman attends the first major rank-taking he has seen. Rupert Garae is about to achieve the highest rank in the graded society - ala hanavulu. The large pig in the foreground is one of	Ata Voa, Longana, Aoba; January 23, 1970; WLR, graded society, Ala Hanavulu
5				
6				



# Import to UCSD DAMS



# IPTC Extension



**IPTC Standard**

## **Photo Metadata** (October 2014)

**IPTC Core**  
Specification Version 1.2

**IPTC Extension**  
Specification Version 1.2

Document Revision 3

International Press Telecommunications Council  
Copyright © 2015 - All Rights Reserved  
[www.iptc.org](http://www.iptc.org)



Title

Creator

Creator ID

Date Created

Circa Date Created (text)

Style/Period

Physical Description

Content Description

Contribution Description

Source

Source Inventory Number

Source Inventory URL

Copyright Notice

Current Copyright Owner Name

Current Copyright Owner ID

Current Licensor Name

Current Licensor ID





# IPTC File Info Panel

IPTC Cultural Heritage Metadata version 1.0

Save

Artwork/Object →

Image

Image Rights

Admin

Artwork/Object

Title

Creator 1 ID

Creator 2 ID

Creator 3 ID

Date Created YYYY or YYYY-MM or YYYY-MM-DD

Circa Date Created

Style/Period

Contribution Description

Physical Description

Source

Name

Inventory Number

Inventory URL

Content Description

Copyright Notice

Current Copyright Owner

Name

ID

Current Licensor

Name

ID

Save Close about





# IPTC File Info Panel

IPTC\_CH Export-Import - code version: code version: 2015-10-19

IPTC Cultural Heritage Metadata Export-Import Tool (compatible with custom info panel version 1.0)

### Export Metadata

**Images**

☐ Selected thumbnail(s) in Bridge  
☒ Entire folder

folder location: ☐ include subfolders  
~/Documents/Images/Test Images/

**Options**

☒ prepend Image dates with ' \_'  
☐ Remove line breaks

### Import Metadata

**Images folder**

folder location: ☒ include subfolders  
~/Documents/Images/Test Images/

**Metadata text file**

file location:  
~/Documents/Images/Metadata Export-Import/TEST.t

**Match on**

☒ Filename  
☐ Path and filename

**Existing Data**

☒ Overwrite all fields  
☐ Write only to empty fields

**Options**

☐ Ignore file extensions  
☐ Create Headline (IPTC Core)  
☐ Create Description/Caption (IPTC Core)  
☐ Create Keywords (IPTC Core)  
☐ Set Thumbnail Label





# Search



Search Results in Images

pyramid

File Edit View Tools Help

Organize Save search Burn

Images

- .thumbs
- 097 Test files
- Advertising
- Architecture
- ARTstor downloads
- Astronomy
- Basic Fields
- Benisvy Test
- Books
- Cars
- Cataloging issues
- CaVraCon\_images
- Ceramics
- CME
- Coins
- Copy of 097 Test files
- CS4 Screen shots
- Dance
- DOV
- Drawing
- Electronics
- EM Test Images
- EM Workbooks

Greg Work library

Search Results in Images

Arrange by: Top results

3608737124\_2a840e305b\_b

4747230986\_d9d4c36840\_b

fra03062

lond0253

louv1036

prc31079

mes01016

prc23051

liby1738

prc23047

eur14002

egy01074

2677415789\_6e60f5b71f\_o

egy03015

balt0342

eu06068

balk8351

Search again in:

- Greg Work
- Libraries
- Computer
- Custom...
- Internet

17 items

17 items





# Identifiy

Search Results in Images

pyramid

File Edit View Tools Help

Organize Preview Share with Save search Burn

Images

- .thumbs
- 097 Test files
- Advertising
- Architecture
- ARTstor downloads
- Astronomy
- Basic Fields
- Benisvy Test
- Books
- Cars
- Cataloging issues
- CaVraCon\_images
- Ceramics
- CME
- Coins
- Copy of 097 Test files
- CS4 Screen shots
- Dance
- DOV
- Drawing
- Electronics
- EM Test Images
- EM Worksh...

Greg Work library

Search Results in Images

Arrange by: Top results

3608737124\_2a840e305b\_b

4747230986\_d9d4c36840\_b

fra03062

lond0253

louv1036

prc31079

mes01016

prc23051

liby1738

prc23047

eur14002

egy01074

2677415789\_6e60f5b71f\_o

egy03015

balt0342

eu06068

balk8351

Search again in:

- Greg Work
- Libraries
- Computer
- Custom...
- Internet

2677415789\_6e60f5b71f\_o

JPG File

Date taken: 6/12/2008 12:00 AM

Tags: George Eastman House; View photos from this member or from everyone; pyramids; woman; scarf; Egypt; naked; skin; pyramiden; nackt; kopftuch; tisch; table; en profil; sphinx; Dr. W. Simon; Dr. William Simon; William Simon; autochrome

Title: Woman posed as sphinx Date modified: 5/24/2013 6:49 PM

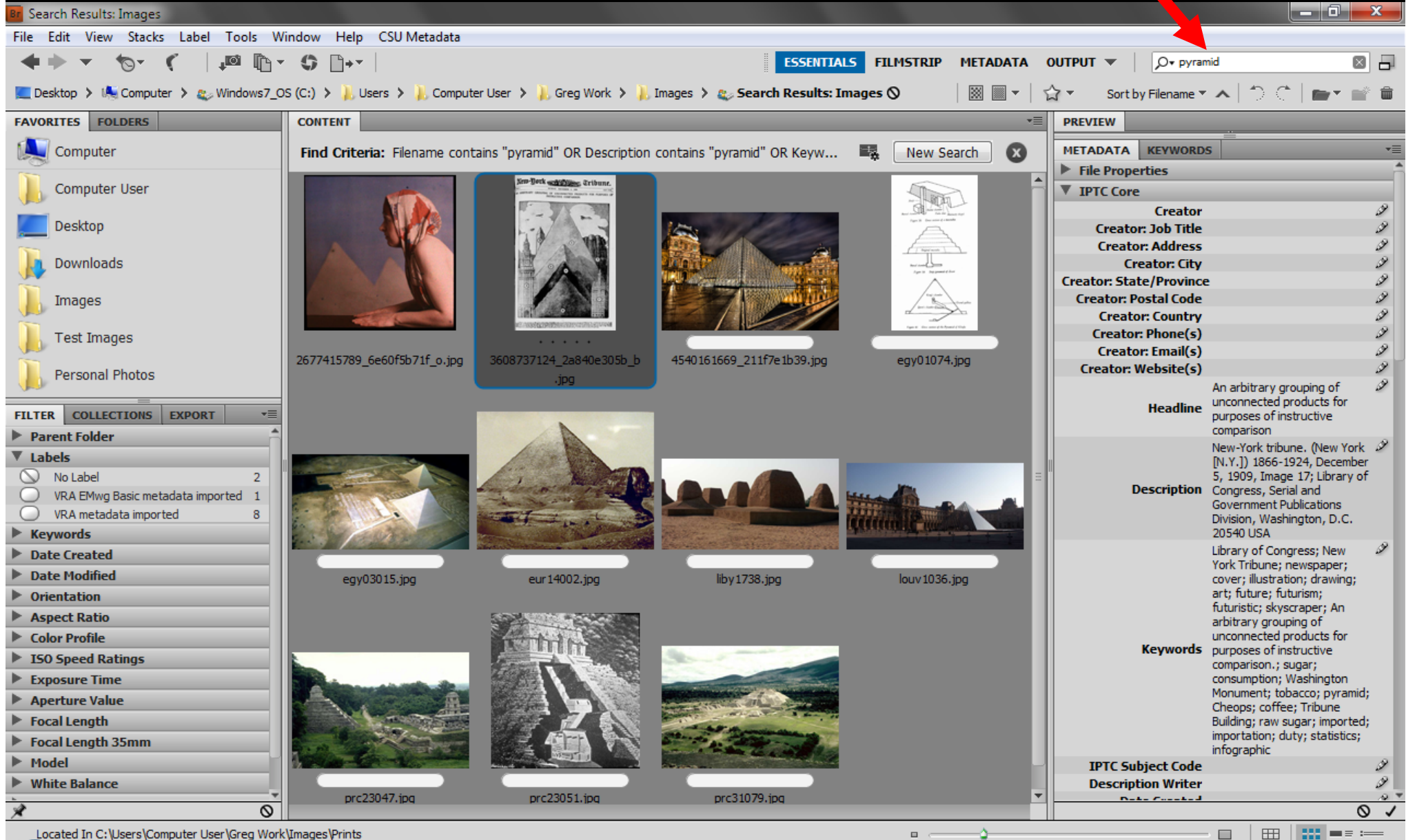
Authors: Add an author

Comments: Add comments

1 item selected

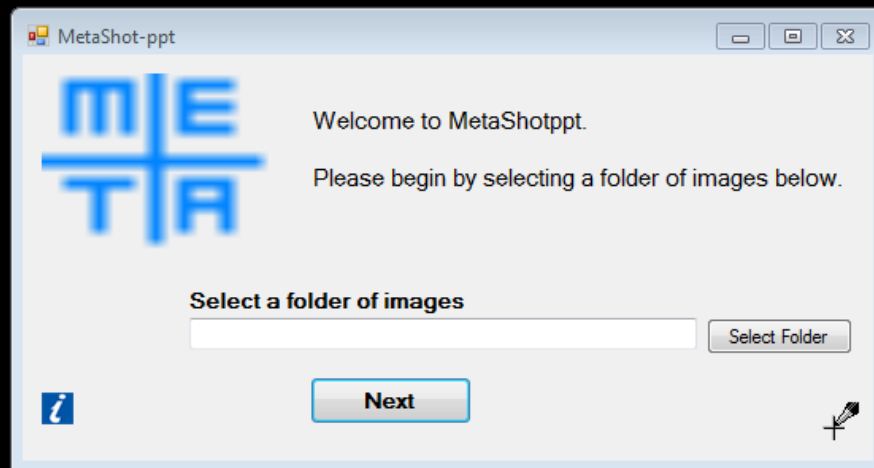


# Adobe Bridge



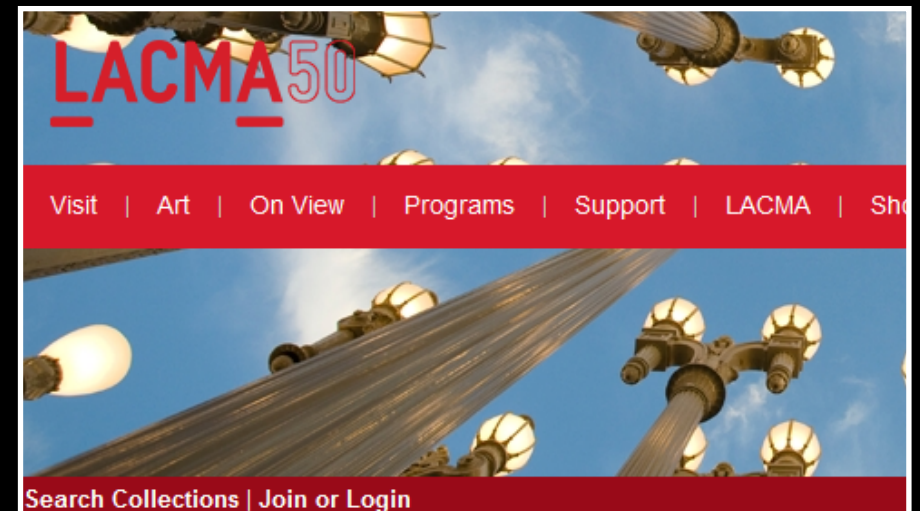
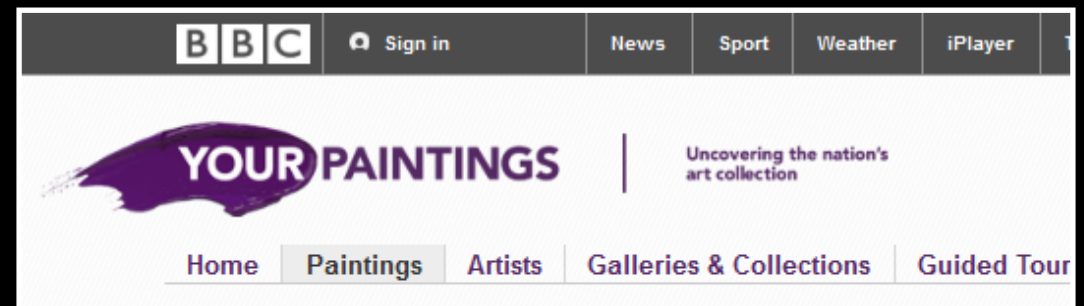
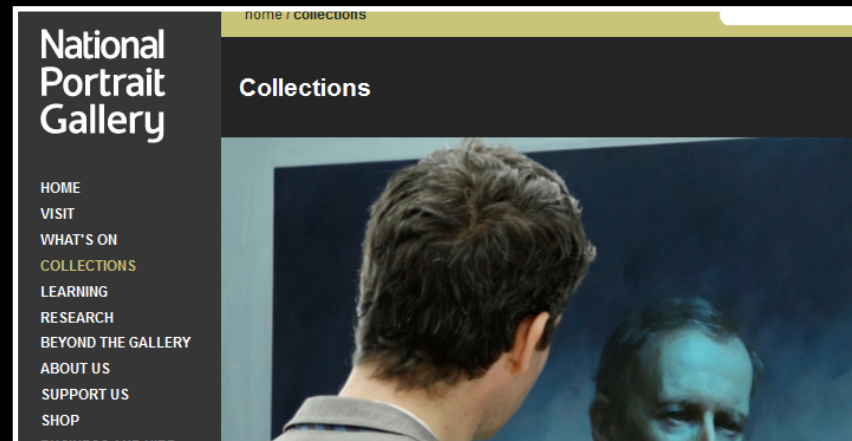


# Microsoft PowerPoint





# Publishing





# Publishing

Proper identification

Proper attribution

Proper copyright



# Inform





# Inform

www.getty.edu/art/gettyguide/artObjectDetails?artobj=1044

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## The J. Paul Getty Museum

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Print Share

Collection Search

Exhibitions Collection Education Research and Conservation Publications Public Programs About the J. Paul Getty Museum

◀ Previous


### Madonna, Saint Thomas Aquinas, and Saint Paul



Enlarge Zoom in


**Bernardo Daddi**  
Italian, about 1330  
Tempera and gold leaf on panel  
Framed (with original engaged frame): 47 1/2 x 22 in.  
93.PB.16

#### Detail Views



Tooling in halo

#### Technical Views



Pre-conservation image



# Inform



Bernardo Daddi

Madonna, Saint Thomas Aquinas, and Saint Paul

Italian, about 1330 1330

Tempera and gold leaf on panel; Framed (with original engaged frame): 47 1/2 x 22 inches

The J. Paul Getty Museum, 93.PB.16

©J. Paul Getty Trust



# Publishing

ARTSTOR

Select Language

HistoryFindUploadOrganizeShareDisplay OptionsToolsHelp

Multiple Collection Search

ceramics

Advanced Search


Narrow your results

Sort by Relevance


Images/page 24

2000 results for ceramics


Click image to select. Double click to enlarge. Click caption to view full record.




IAP A  
Purse (Coin Purse)  
Unknown  
1790-1810




IAP A  
Case (Spectacle ...  
Unknown  
second half 19th ...




IAP A  
Purse (Coin Purse)  
Unknown  
1790-1810




IAP A  
Case (Card Case)  
Unknown  
1820-1840




IAP A  
Bag (Partial)  
Unknown  
1830-1860




IAP  
Bag (Reti)  
Unknown  
1818-183




IAP A




IAP A




IAP A



IAP A



IAP A



IAP



Can you lock metadata?



“ensuring data integrity that will exist for the life of the digital file.”



“developing a bridge between the object record in the CMS and the archived spreadsheets of metadata that correspond with the image files”



“share images with end users knowing that the cataloguing information and pertinent copyright information are retained within the actual image file”



Can you hide metadata?





Matthias Arnold, Heidelberg Research Architecture – Visual Resources

Marta Bustillo, National College of Art and Design (Ireland)

Heidi Eyestone Carleton College

Sheryl Frisch, Cal Poly, San Luis Obispo

Stephen Jennings, Fine Arts Library, Harvard

Heidi Raatz, Minneapolis Institute of Arts

Greg Reser, UCSD

Steve Tatum, Virginia Tech



# Links

VRA:

<http://www.vraweb.org/>

VRA Emwg:

[metadatadeluxe.pbworks.com](http://metadatadeluxe.pbworks.com)

PowerPoint tool:

<http://metadatadeluxe.pbworks.com/w/page/65714041/MetaShotPpt>

VRA info panel:

[http://metadatadeluxe.pbworks.com/w/page/32300275/VRA%20XMP%20Info%20Panel%20\(beta\)](http://metadatadeluxe.pbworks.com/w/page/32300275/VRA%20XMP%20Info%20Panel%20(beta))