THE GETTY VOCABULARIES:
ISSUES IN AUTHORITY CONTROL FOR ART AND ARCHITECTURE

presented by Robin Johnson
Senior Standards Editor, Getty Vocabulary Program
ACIG meeting: What's Next for Authority Control
26 June 2011

THE GETTY VOCABULARIES:
ISSUES IN AUTHORITY CONTROL FOR ART AND ARCHITECTURE

- The Getty Vocabularies may be used as non-authoritarian authorities for cataloging art and architecture. This approach to designing terminology was necessary for art information several decades ago, and it is now seen as a practical approach to utilizing terminology across many disciplines and incorporating vocabularies as linked data. This presentation will describe the Getty vocabularies: the Art & Architecture Thesaurus (AAT)®, the Getty Thesaurus of Geographic Names (TGN)®, the Union List of Artist Names (ULAN)®, and the new vocabulary in development, the Cultural Objects Name Authority (CONA).™

 copyright J. Paul Getty Trust

THE GETTY VOCABULARIES: AN OVERVIEW

- The AAT, ULAN, and TGN were begun in the mid-1980s
- To meet the needs of the art museum, visual resources, archives, and art library communities
- Contain a suggested preferred term/name based on literary warrant, but users may use any of the variant terms/names instead
- The vocabularies are considered authoritative vocabularies to aid in the indexing and retrieval of resources related to art, architecture, and material culture

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

image: photographer Michael Gäbler , wikipedia commons

- Each vocabulary was conceived and constructed differently
- Since 1990s, all three have been united with the same core data structure and editorial rules
- Planning for the 4th vocabulary, CONA, was begun in 2004
- It will be ready for contributions later in 2011
- We provide instruction for use of and contribution to the Getty vocabularies at conferences and in online training materials

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

image: photographer Michael Gäbler , wikipedia commons

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- *Art & Architecture Thesaurus ® (AAT)*
  - 34,878 'records'; 245,531 terms
- Getty Thesaurus of Geographic Names ® (TGN)
  - 992,307 'records'; 1,711,115 names
- Union List of Artist Names ® (ULAN)
  - 202,718 'records' ; 638,903 names
- Cultural Objects Name Authority™ (CONA)
  - *under development; available for contributions in 2011*

- All four focus on the visual arts and architecture
- Grow through contributions from the user community
- Compiled, maintained, distributed by the **Getty Vocabulary Program**, a unit of the Getty Research Institute (GRI) in Los Angeles

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- AAT terms = generic concepts
  - *(e.g., watercolors, amphora)*
- TGN names = administrative, physical places
  - *(e.g., Los Angeles, Ottoman Empire, Bavarian Alps)*
- ULAN = person, corporate body names
  - *(e.g., Christopher Wren, Altobelli & Molins)*
- CONA = titles/names of art and architecture
  - *(e.g., Mona Lisa, Empire State Building)*

- One main characteristic making the vocabularies useful as authorities is that each vocabulary record is identified by a unique, persistent numeric ID
- Meaning if a record changes or is merged, the original ID remains

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

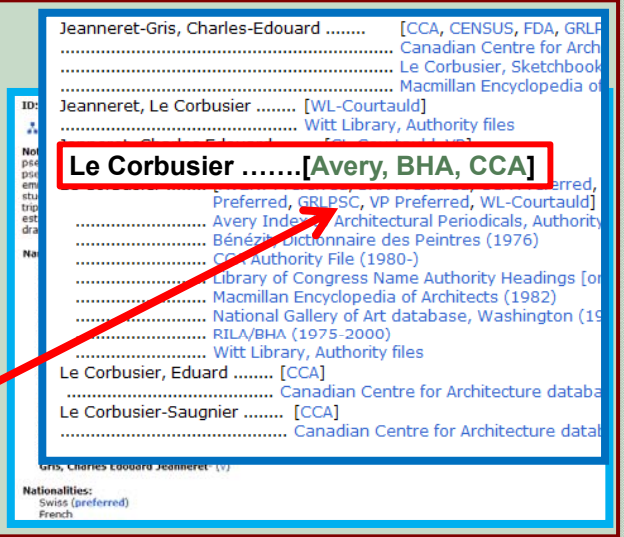
CONTRIBUTORS TO THE GETTY VOCABULARIES

- The thesauri grow and change over time
- New terms come from Getty projects and authorized outside contributors
- Current contributors include museums, libraries, archives, bibliographic and documentation projects

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- Contributed records are merged as necessary
- i.e., if multiple contributors submit records for the same concept (AAT), person (ULAN), place (TGN), or object/work (CONA), the information is merged into one record, with contributors noted at certain key fields



Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- Growth of Getty vocabularies relies upon contributions from the user community:
- Getty vocabularies are “social” (contributors are the community) yet “authoritative”
- Qualified contributors are trained, comply with editorial rules
- Contributions may be made in bulk or one record at a time via an online contribution form

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

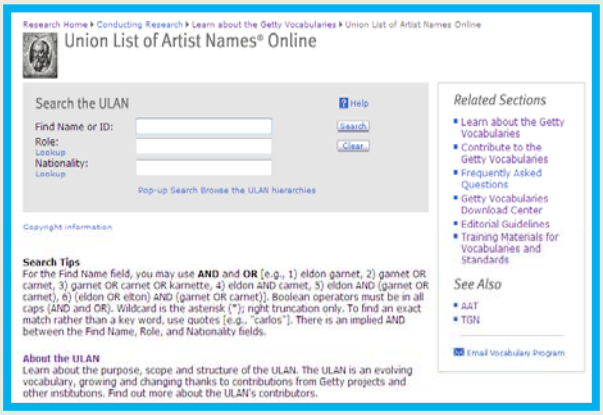
- The compiled Getty vocabularies are copyrighted by the J. Paul Getty Trust
- They are licensed to institutions and businesses; over 330 licenses have been negotiated
- Currently, AAT, TGN, and ULAN are licensed with fees adjusted differently for for-profit and not-for-profit institutions; currently licenses are renewed every five years; CONA licensing details are not yet determined
- Data files are released annually in XML and relational tables.
  - *New releases of full data files for AAT, ULAN, and TGN are released annually, in June or July*
- Also available via Web services APIs; refreshed every two weeks

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- The Getty vocabularies are implemented in collections management systems, in which thousands of users access the vocabularies



- They are also available through a search screen on line, averaging over 180,000 queries per month
- The Getty vocabularies are among the top resources accessed on the Getty Web site

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

http://www.getty.edu/research/tools/vocabularies/index.html

THE GETTY VOCABULARIES

- Most users are currently located in North America, Europe, Asia, Australia and New Zealand, and South America, among other places

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

- The Getty vocabularies are used by various audiences
  - by catalogers or indexers who are describing works of art, archival materials, visual surrogates, or bibliographic materials
  - by researchers
  - by systems implementers creating search tools to enhance end-user access to online resources

Object/Work	*Catalog Level:* item *Type:* rolltop desk	Controlled list Authority
Classification	*Terms:* decorative arts furniture European art	Controlled list
Titles or Names	*Text:* Rolltop Desk *Preference:* preferred *Type:* repository *Text:* Secrétaire à Cylindre *Preference:* alternate *Language:* French	Free text Controlled list
Creation	*Creator Description:* made by David	Free text

Object/Work	*Catalog Level:* item *Type:* pastel	Controlled list Authority
Classification	*Terms:* paintings European art	Controlled list
Titles or Names	*Text:* Portrait of Maria Frederike van Reede-Athlone at Seven Years of Age *Preference:* preferred	Free text Controlled list
Creation	*Creator Description:* Jean-Etienne Liotard (Swiss, 1702-1789)	Free text
	Identity: Liotard, Jean-Etienne *Role:* draftsman	Authority Authority

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Are there preferred terms in the Getty vocabularies?

- Preferred terms are based on literary warrant in authoritative published sources
- The vocabularies are authoritative, but not "authoritarian"—so-called preferred terms are for display and collocation—not necessarily prescriptive
- Many users prefer using the Getty-designated preferred term or name
- But other users may choose descriptors in languages other than English
- One curator may prefer a historical name; at the same museum another user may choose yet another name in the record, not necessarily the one flagged as "preferred" by the Vocabulary Program
- This approach has always been necessary in the world of art information, due to the tradition and culture of recording art information; unlike the library community's authorities

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Compliance with Standards and Structure

- The Getty vocabularies comply with national and international standards for thesaurus construction.

- We are active in the standards-building communities

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Patricia Harpring © 2009 J. Paul Getty Trust

Images from getty.edu, metmuseum.org,, other museum sites

Getty Vocabularies are thesauri

- **Thesaurus: A semantic network of unique concepts**
- **Thesauri may be monolingual or multilingual**
- **Thesauri may have the following three relationships:**
  - **Equivalence Relationships**
  - **Hierarchical Relationships**
  - **Associative Relationships**

stirrup cups
coaching glasses
hunting glasses

associative

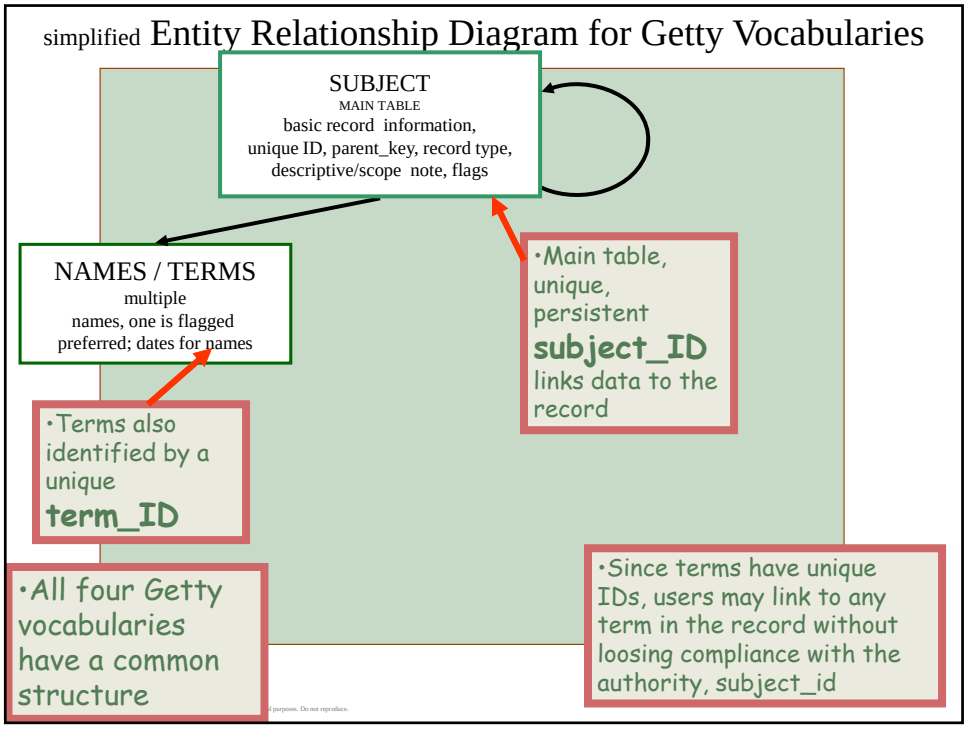
sturzbechers
Sturzbecher
stortebekers

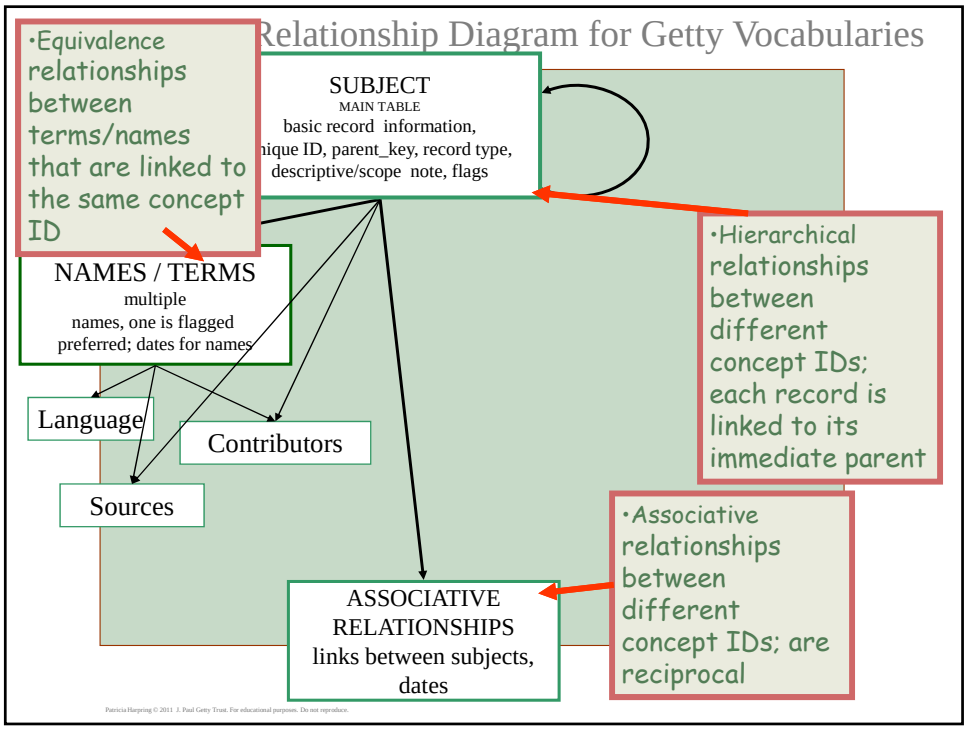
hierarchical

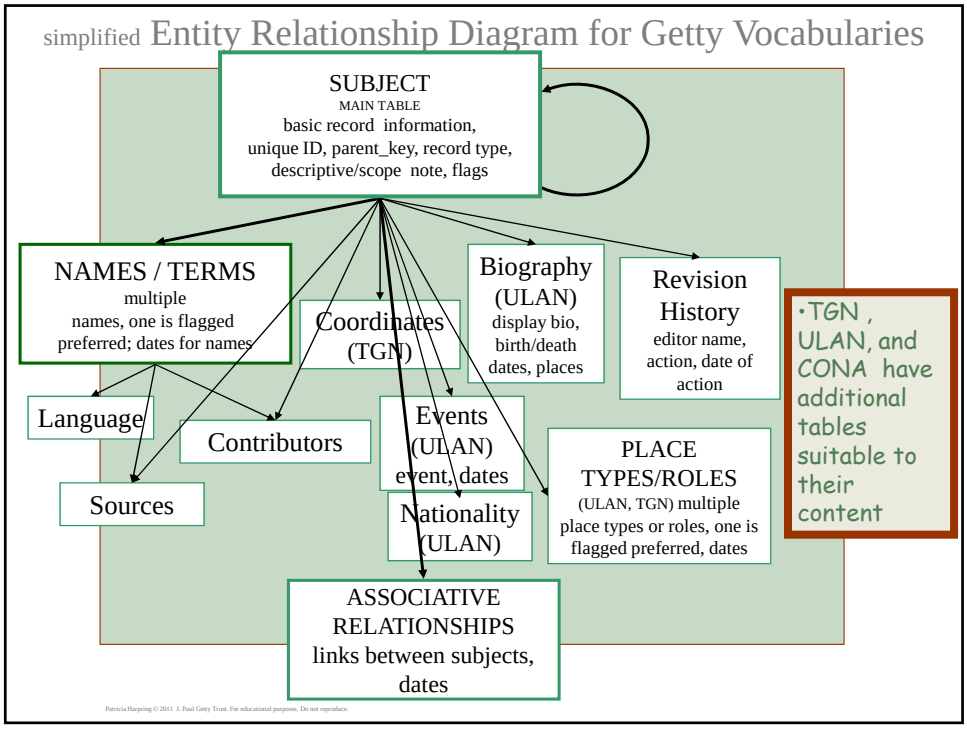
Objects Facet
.... Furnishings and Equipment
..... Containers
..... <culinary containers>
..... <vessels for serving / consuming food
.....

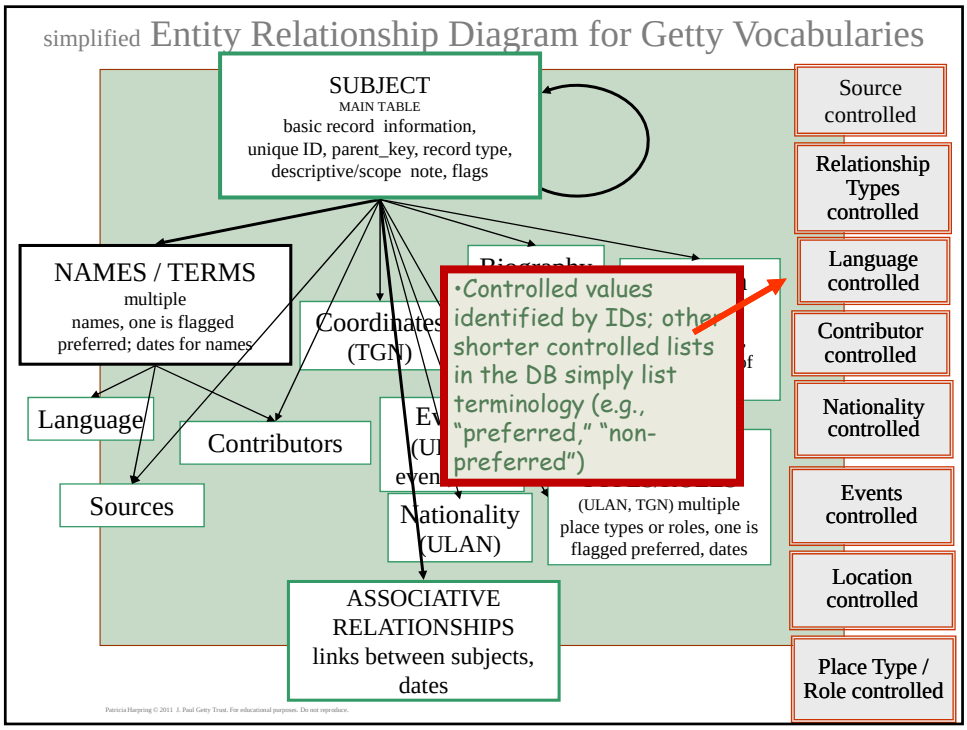
distinguished from

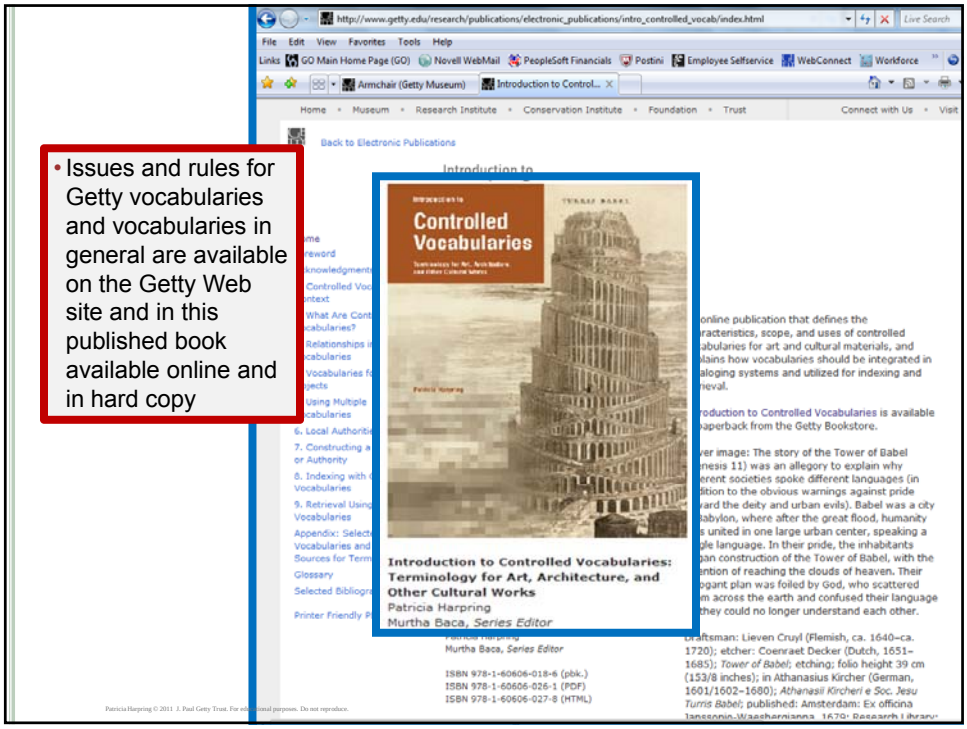
rhyta *equivalence*
rhyton
rhytons
rhea
rheon
rheons
ritón


simplified Entity Relationship Diagram for Getty Vocabularies
SUBJECT
MAIN TABLE
basic record information,
unique ID, parent_key, record type,
descriptive/scope note, flags
NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names
•Main table, unique, persistent subject_ID links data to the record
•Terms also identified by a unique term_ID
•All four Getty vocabularies have a common structure
•Since terms have unique IDs, users may link to any term in the record without loosing compliance with the authority, subject_id


•Equivalence relationships between terms/names that are linked to the same concept ID
Relationship Diagram for Getty Vocabularies
SUBJECT
MAIN TABLE
basic record information,
nique ID, parent_key, record type,
descriptive/scope note, flags
NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names
•Hierarchical relationships between different concept IDs; each record is linked to its immediate parent
Language
Contributors
Sources
•Associative relationships between different concept IDs; are reciprocal
ASSOCIATIVE RELATIONSHIPS
links between subjects, dates


simplified Entity Relationship Diagram for Getty Vocabularies
SUBJECT
MAIN TABLE
basic record information,
unique ID, parent_key, record type,
descriptive/scope note, flags
NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names
Coordinates
(TGN)
Biography
(ULAN)
display bio,
birth/death
dates, places
Revision
History
editor name,
action, date of
action
Language
Contributors
Events
(ULAN)
event, dates
Sources
Nationality
(ULAN)
PLACE
TYPES/ROLES
(ULAN, TGN) multiple
place types or roles, one is
flagged preferred, dates
ASSOCIATIVE
RELATIONSHIPS
links between subjects,
dates
•TGN , ULAN, and CONA have additional tables suitable to their content

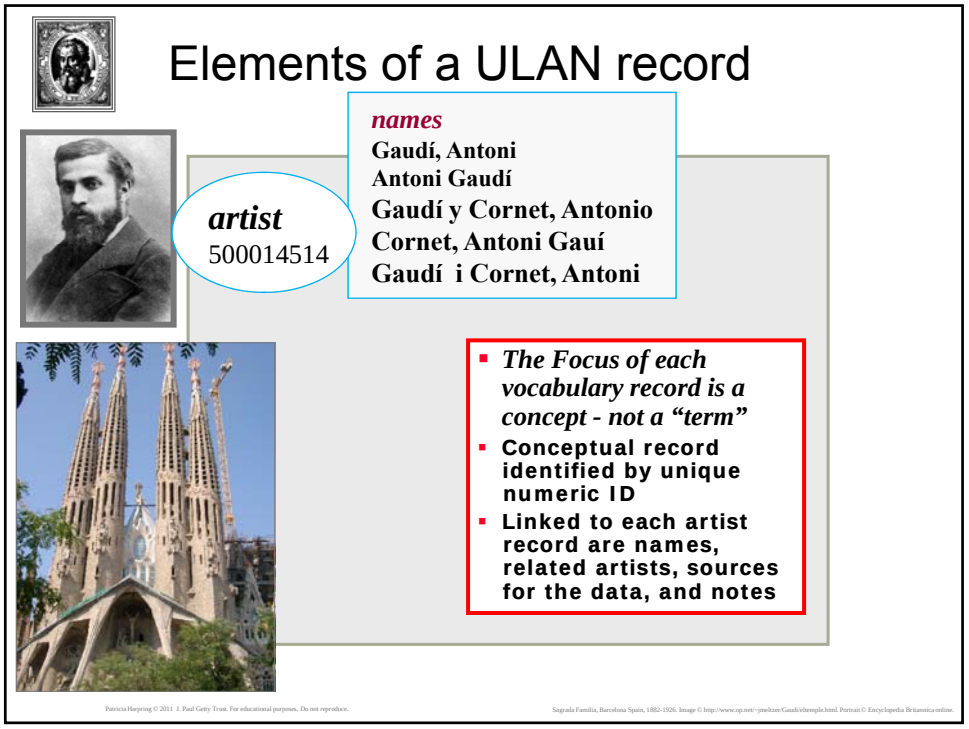

simplified Entity Relationship Diagram for Getty Vocabularies
SUBJECT
MAIN TABLE
basic record information,
unique ID, parent_key, record type,
descriptive/scope note, flags
NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names
Coordinates
(TGN)
Language
Contributors
Sources
Nationality
(ULAN)
(ULAN, TGN) multiple
place types or roles, one is
flagged preferred, dates
ASSOCIATIVE
RELATIONSHIPS
links between subjects,
dates
•Controlled values identified by IDs; other shorter controlled lists in the DB simply list terminology (e.g., "preferred," "non-preferred")
Source controlled
Relationship Types controlled
Language controlled
Contributor controlled
Nationality controlled
Events controlled
Location controlled
Place Type / Role controlled

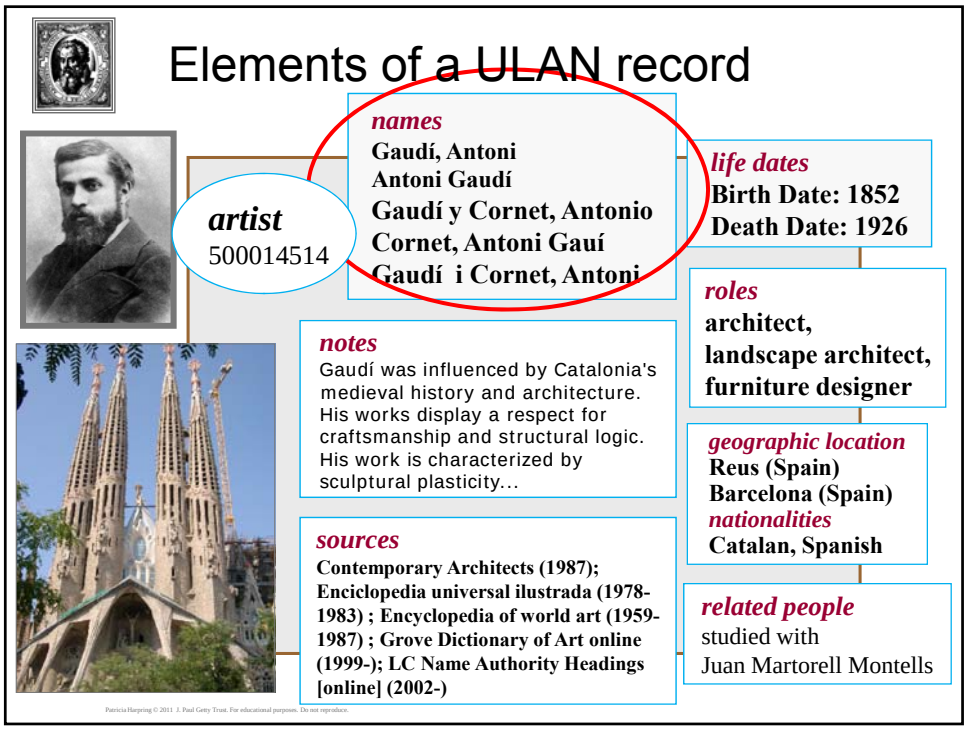


- Issues and rules for Getty vocabularies and vocabularies in general are available on the Getty Web site and in this published book available online and in hard copy

UNION LIST OF ARTIST NAMES

ULAN


Elements of a ULAN record
artist
500014514
names
Gaudí, Antoni
Antoni Gaudí
Gaudí y Cornet, Antonio
Cornet, Antoni Gauí
Gaudí i Cornet, Antoni
The Focus of each vocabulary record is a concept - not a "term"
Conceptual record identified by unique numeric ID
Linked to each artist record are names, related artists, sources for the data, and notes


Elements of a ULAN record
artist
500014514
names
Gaudí, Antoni
Antoni Gaudí
Gaudí y Cornet, Antonio
Cornet, Antoni Gauí
Gaudí i Cornet, Antoni
life dates
Birth Date: 1852
Death Date: 1926
roles
architect,
landscape architect,
furniture designer
notes
Gaudí was influenced by Catalonia's medieval history and architecture. His works display a respect for craftsmanship and structural logic. His work is characterized by sculptural plasticity...
geographic location
Reus (Spain)
Barcelona (Spain)
nationalities
Catalan, Spanish
sources
Contemporary Architects (1987); Enciclopedia universal ilustrada (1978-1983) ; Encyclopedia of world art (1959-1987) ; Grove Dictionary of Art online (1999-); LC Name Authority Headings [online] (2002-)
related people
studied with
Juan Martorell Montells

SCOPE OF ULAN

- Scope is from Antiquity to the present
- Identified individuals or groups of individuals working together (corporate bodies)
- Involved in the conception or production of visual arts and architecture
- May include artists, architects, craftsmen, as well as people and corporate bodies closely related to artists, including rulers, prominent patrons, museums and other repositories of art

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Example of a ULAN names

Degas, Edgar *(preferred, index, V, LC)*
Edgar Degas (display, V)

Degas, Hilaire-Germain-Edgar
De Gas, Hilaire Germain Edgar
Hilarie Germain Edgar Degas
De Gas, Hilaire-Germain-Edgar
Degas, Edgar Hilaire Germain
Degas, Edgar Germain Hilaire
Edgar Germain Hilaire Degas
de Gas, Hilaire Germain Edgar
Gas, Hilaire Germain Edgar De
Dega, Edgar
Degas, Hilaire Germain
Dega, Ėdgar
Te-chia
דגה, אדגאר

One name is determined as preferred, based on scholarly literary warrant
All names are equal in retrieval; users may use any name they prefer

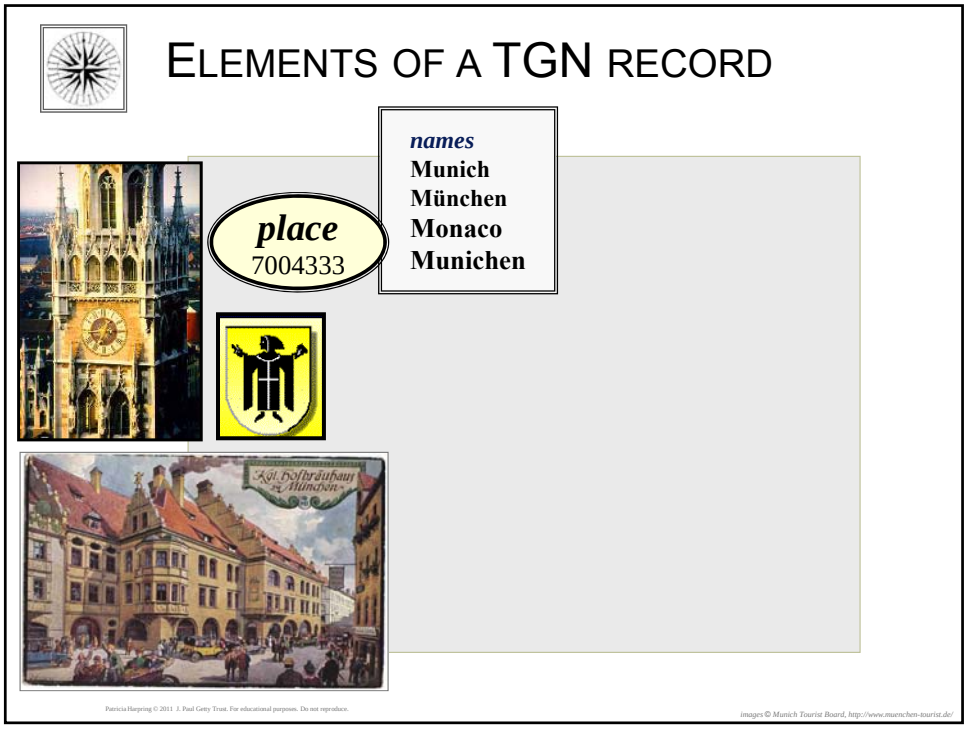
ULAN news and current development:

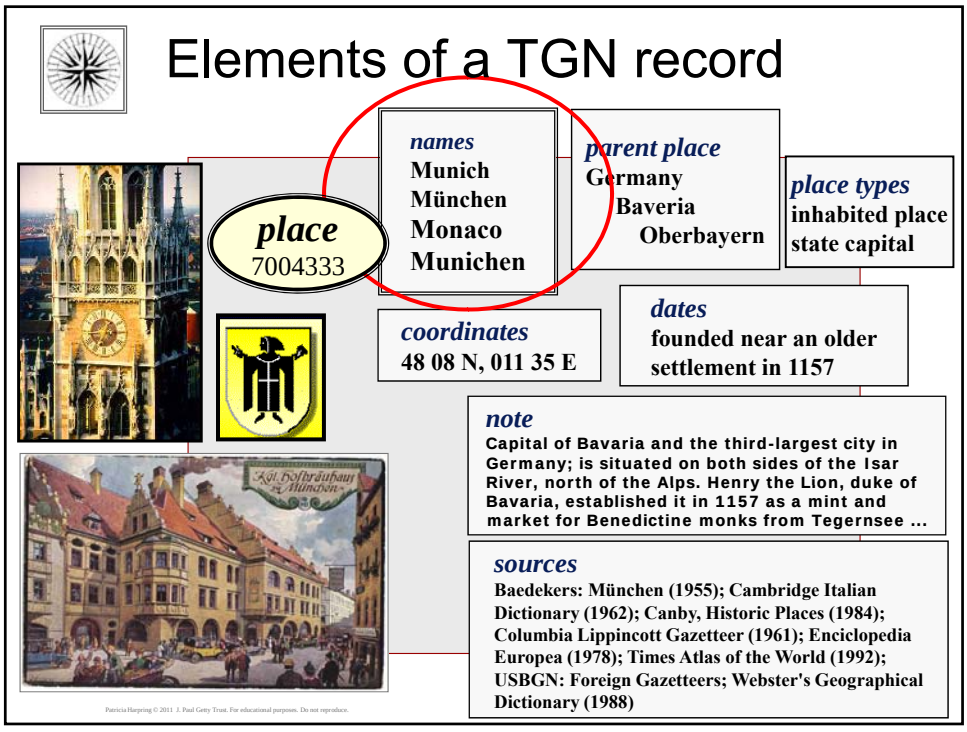
- Adding nonwestern artists, current and historical, including Chinese, Japanese, other Asian, Native American, and others
- Adding contemporary artists, particularly those collected by museums and special collections; artists noted in the Pacific Standard Time exhibition
- Adding types of artists that are not currently in ULAN, such as mail artists, interior design artists, illustrators, calligraphers, etc.
- Adding names of repositories of art
- Ongoing processing of contributions: Witt Library (Courtauld), architects and firms from Avery Index of Architectural Periodicals, artists from the Provenance Index, 10,000 repository records from VRA/IU project
- Non-artists facet, unknown artists facet

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

GETTY THESAURUS OF GEOGRAPHIC NAMES

TGN


ELEMENTS OF A TGN RECORD
names
Munich
München
Monaco
Munichen
place
7004333
Kgl. Hofbräuhaus zu München
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.
images © Munich Tourist Board, http://www.muenchen-tourist.de/


Elements of a TGN record
names
Munich
München
Monaco
Munichen
parent place
Germany
Baveria
Oberbayern
place types
inhabited place
state capital
place
7004333
coordinates
48 08 N, 011 35 E
dates
founded near an older settlement in 1157
note
Capital of Bavaria and the third-largest city in Germany; is situated on both sides of the Isar River, north of the Alps. Henry the Lion, duke of Bavaria, established it in 1157 as a mint and market for Benedictine monks from Tegernsee ...
sources
Baedekers: München (1955); Cambridge Italian Dictionary (1962); Canby, Historic Places (1984); Columbia Lippincott Gazetteer (1961); Enciclopedia Europea (1978); Times Atlas of the World (1992); USBGN: Foreign Gazetteers; Webster's Geographical Dictionary (1988)
Kgl. Hofbräuhaus zu München
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

SCOPE OF TGN

- TGN places include political entities and physical features
- Scope is global, some extraterrestrial
- Includes all current continents and nations
- Historical places, including nations and empires
- Prehistory to the present

- Real places, not mythical
- May include formerly inhabited places, historical places with unknown exact locations "lost settlement"
- Focus on places important to art and material culture

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Example of a TGN names

One name is determined as preferred, based on scholarly literary warrant
All names are equal in retrieval; users may use any name they prefer

TGN news and current development:

- Updating the modern hierarchy of administrative divisions (last done in 1998)
- Adding archaeological sites, World Heritage Site names, and other historical sites, focusing on Asian, Pre-Columbian, Middle Eastern, and others
- Building historical hierarchies for historical nations and empires
- Ongoing projects of processing contributions, occasional Getty, first files from National Geospacial Intelligence Agency (formerly NIMA; includes non-domestic place names and coordinates) have been preprocessed and loaded, including Italy, Mexico, Germany, the Netherlands, Greece, Chile

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

ART & ARCHITECTURE THESAURUS

AAT

ELEMENTS OF AN AAT RECORD

concept
300011329

names/terms
travertine
travertine marble
travertine stone
roachstone
lapis tiburtinus

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Images from getty.edu

ELEMENTS OF AN AAT RECORD

concept
300011329

names/terms
travertine
travertine marble
travertine stone
roachstone
lapis tiburtinus

related concepts
tufa
onyx marble

scope note
A dense, crystalline or microcrystalline limestone that was formed by the evaporation of river or spring waters. It is named after Tivoli (*Tibur* in Latin)...

parent concept
Materials Hierarchy
.....limestone
.....sinter
.....travertine

sources
Sturgis, Dictionary of Architecture and Building (1902); Roberts, Construction Industry Thesaurus (1976); Brady and Clauser, Materials Handbook (1977); Dictionary of Geological Terms (1984); Oxford English Dictionary (1989); Encyclopaedia Britannica online (2002-); MFA Cameo online (2005-)

Images from getty.edu

SCOPE OF AAT

- **Scope is from prehistory to the present**
- **No geographic limitations**
- Terms for concepts, activities, and objects discussed within the literature of the fields of art, architecture, decorative arts, archaeology, material culture, art conservation, archival materials, or related topics

- **Concepts identified by terms *excluding* proper names**
- Thus it can be described as containing information about *generic concepts* (as opposed to proper nouns or names)
- Must fit into the hierarchies already established in the AAT

Patricia Harpring © 2011. J. Paul Getty Trust. For educational purposes. Do not reproduce.

AAT news and current development:

- Qualifier in the data structure: The editorial system, VCS, has been upgraded to better accommodate qualifiers in multilingual data
- Previously had been only one qualifier per term
- However, the same term may be appropriate for multiple languages, while the qualifier for different languages should be different (e.g., English: *gouache (paint),* Spanish: *gouache (pintura);* French: *gouache (pientre)*)
- Revised data structure = the Qualifier is repeating for each term
- Import XML formats, online Web contribution forms, and licensed files have been updated to accommodate the new structure

Patricia Harpring © 2011. J. Paul Getty Trust. For educational purposes. Do not reproduce.

AAT news and current development:

- Keeping up to date with new media where technology used in artwork is rapidly changing
- Adding styles, work types, tools, and materials for non-Western art, contemporary art, decorative arts, and others
- Corporate body counterparts for building types (e.g., *museums (buildings), museums (institutions)*)
- Processing contributions (Dutch, Spanish, Italian, etc.), cleaning up non-synonyms currently included as UFs in legacy records, adding missing scope notes
- Advising and training provided to the Getty Conservation Institute

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

AAT news and current development:

- Multilingual AAT terms:
  - Spanish from Centro de Documentación de Bienes Patrimoniales, Chile; delivered and online
  - Dutch translation from the Rijksbureau voor Kunsthistorische Documentatie ; RKD will also contribute to ULAN
  - Chinese translation is underway by the TELDAP (Taiwan E-Learning and Digital Archives Program
  - German translation is being undertaken by the Institut für Museumsforschung in Berlin
  - Integration is underway for around 3,000 Italian object type terms from ICCD, Rome
  - Full set of 3,000 French terms from CHIN has been fully integrated

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

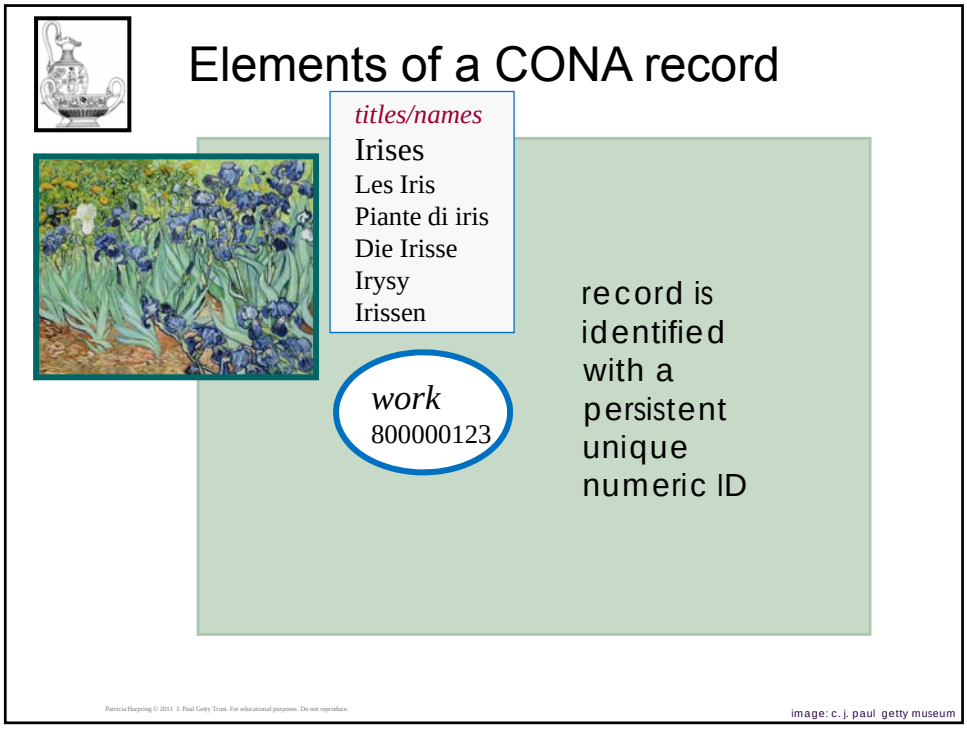
Example of AAT terms

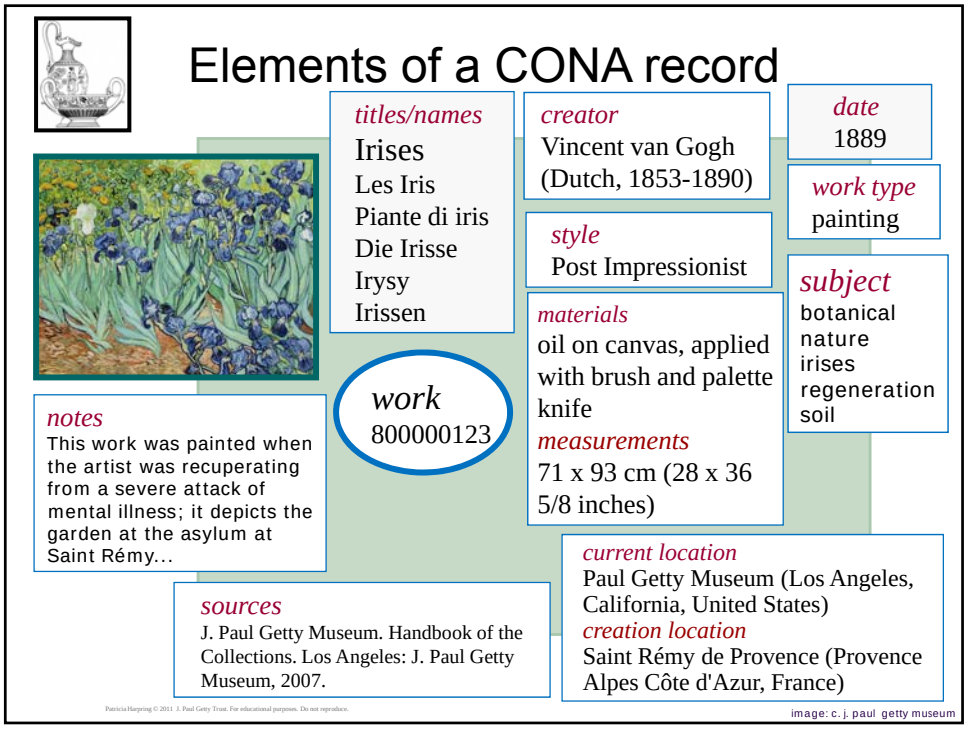
One name is determined as preferred, based on scholarly literary warrant
All names are equal in retrieval; users may use any name they prefer

CULTURAL OBJECTS NAME AUTHORITY

CONA

 copyright J. Paul Getty Trust


Elements of a CONA record
titles/names
Irises
Les Iris
Piante di iris
Die Irisse
Irysy
Irissen
work
800000123
record is identified with a persistent unique numeric ID
image: c. j. paul getty museum


Elements of a CONA record
titles/names
Irises
Les Iris
Piante di iris
Die Irisse
Irysy
Irissen
creator
Vincent van Gogh
(Dutch, 1853-1890)
date
1889
work type
painting
style
Post Impressionist
subject
botanical
nature
irises
regeneration
soil
materials
oil on canvas, applied with brush and palette knife
measurements
71 x 93 cm (28 x 36 5/8 inches)
work
800000123
notes
This work was painted when the artist was recuperating from a severe attack of mental illness; it depicts the garden at the asylum at Saint Rémy...
current location
Paul Getty Museum (Los Angeles, California, United States)
creation location
Saint Rémy de Provence (Provence Alpes Côte d'Azur, France)
sources
J. Paul Getty Museum. Handbook of the Collections. Los Angeles: J. Paul Getty Museum, 2007.
image: c. j. paul getty museum

CONA Equivalence Relationships

Titles/Names:

Eiffel Tower
Preference: preferred
Tour Eiffel
Preference: alternate
Torre Eiffel
Preference: alternate
Eiffelturm
Preference: alternate
Three-Hundred-Meter Tower
Preference: alternate *Title Type:* former

Three relationships
CONA has a thesaural structure

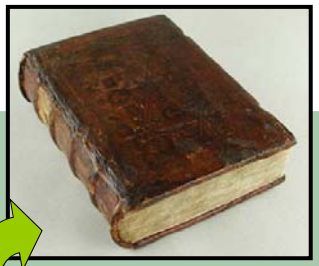
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Image: Encyclopedia Britannia online

CONA Hierarchical Relationships

Catalog Level: component
Class: prints and drawings
Work Type: engraving
Title: Spring Flowers in a Chinese Vase
Creator: Maria Sibylla Merian (German, 1647-1717)
Creation Date: 1680

Relationship Type:
broader context
Related Work: New Book of Flowers. Nuremburg: 1680.
Relationship Number:
volume 3 plate 2



Record for the print is linked to separate record for the book as a whole

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

images: Natural History Museum (London, England)

CONA Hierarchical Relationships

Whole/part relationships for groups, subgroups, items

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

images: Library of Congress (Washington, DC); bookbinding.co.uk

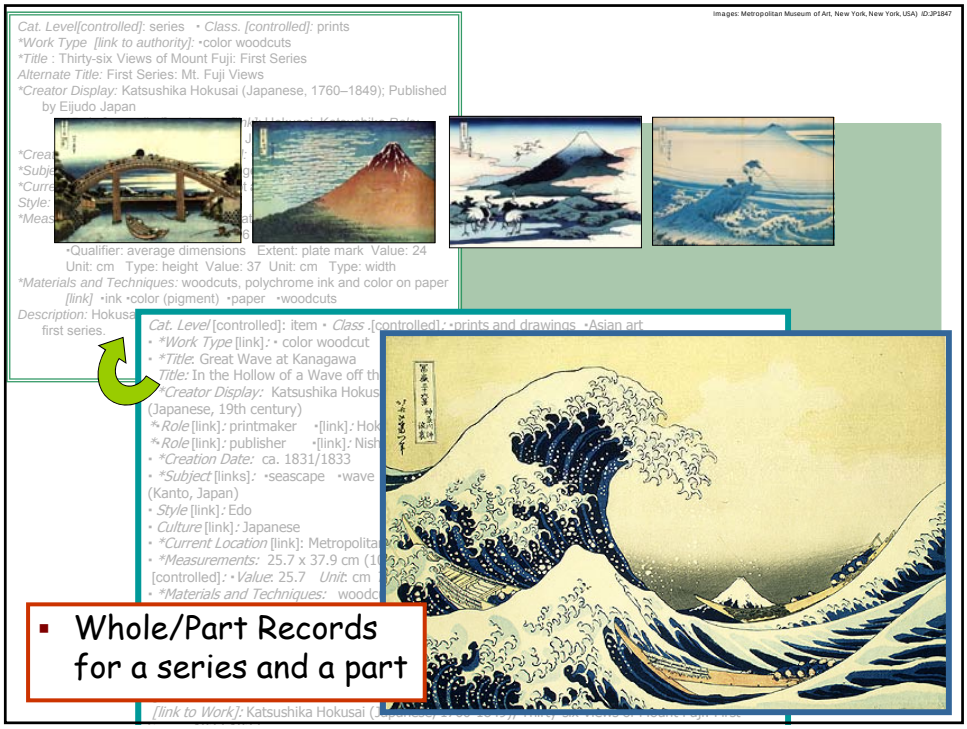
CONA Hierarchical Relationships

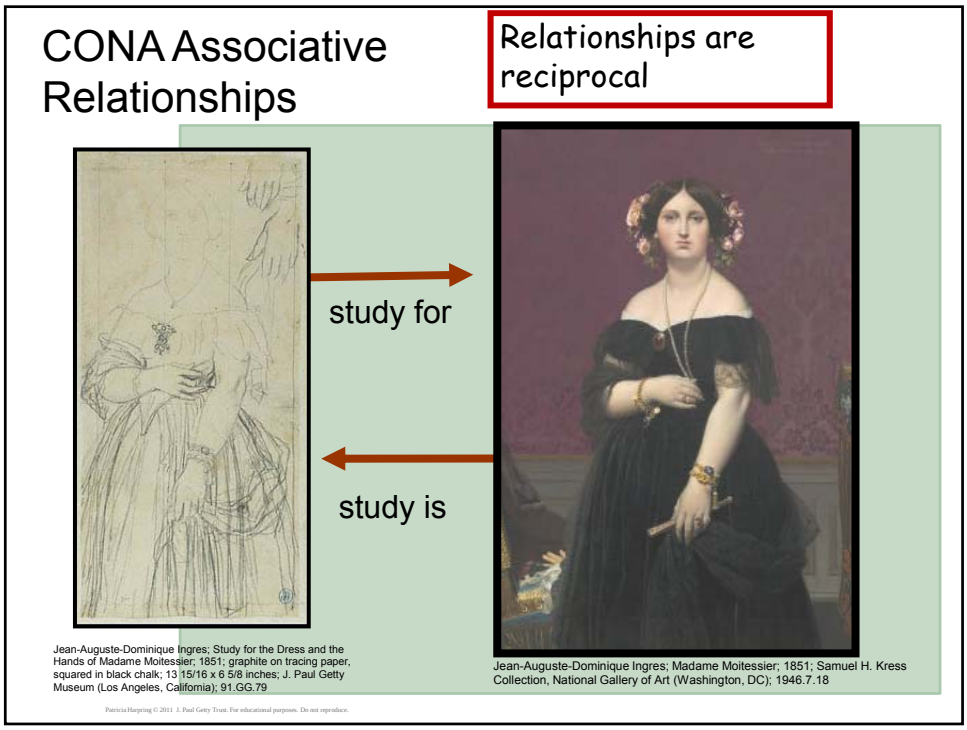
Traveling Tea Service
- Teapot
- Tea Caddy
- Japanese Imari Sugar Bowl and Cover
- Chinese Famille- Verte Tea Bowl and Saucer
- Silver-mounted Scent Flask
- Two Spoons
- Wooden Box

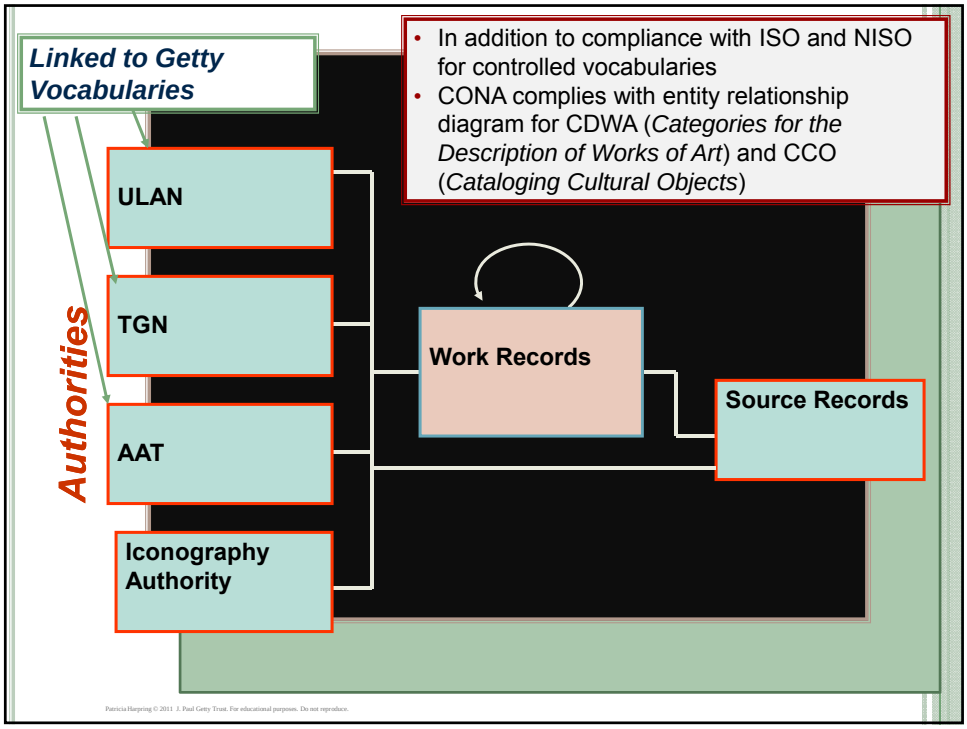
- Whole/Part Records for a set
- Displayed as a hierarchy, relationships indicated with indentation

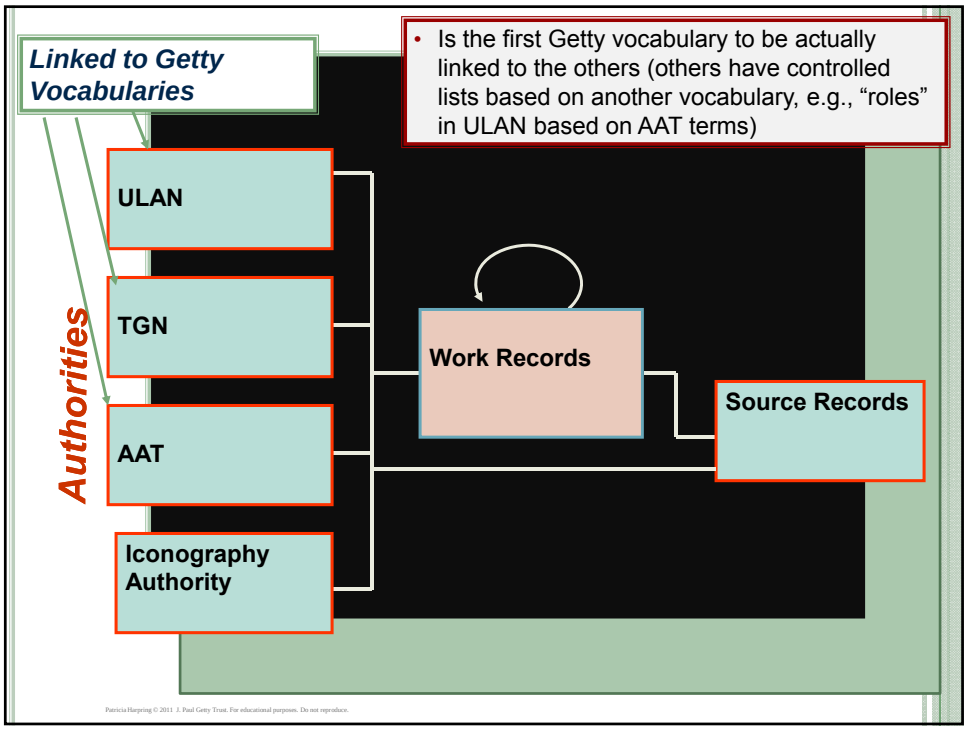
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Image: Museum of Fine Arts, Boston. www.mfa.org


Images: Metropolitan Museum of Art, New York, New York, USA) ID:JP1847
Cat. Level[controlled]: series • Class. [controlled]: prints
*Work Type [link to authority]: •color woodcuts
*Title : Thirty-six Views of Mount Fuji: First Series
Alternate Title: First Series: Mt. Fuji Views
*Creator Display: Katsushika Hokusai (Japanese, 1760–1849); Published by Eijudo Japan
•Qualifier: average dimensions Extent: plate mark Value: 24 Unit: cm Type: height Value: 37 Unit: cm Type: width
*Materials and Techniques: woodcuts, polychrome ink and color on paper [link] •ink •color (pigment) •paper •woodcuts
Description: Hokusa
first series.
Cat. Level [controlled]: item • Class .[controlled]: •prints and drawings •Asian art
• *Work Type [link]: • color woodcut
• *Title: Great Wave at Kanagawa
Title: In the Hollow of a Wave off th
*Creator Display: Katsushika Hokus
(Japanese, 19th century)
*Role [link]: printmaker •[link]: Hok
*Role [link]: publisher •[link]: Nish
• *Creation Date: ca. 1831/1833
• *Subject [links]: •seascape •wave
(Kanto, Japan)
• Style [link]: Edo
• Culture [link]: Japanese
• *Current Location [link]: Metropolita
• *Measurements: 25.7 x 37.9 cm (10
[controlled]: • Value: 25.7 Unit: cm
• *Materials and Techniques: woodc
[link to Work]: Katsushika Hokusai (
▪ Whole/Part Records for a series and a part


CONA Associative Relationships
Relationships are reciprocal
study for
study is
Jean-Auguste-Dominique Ingres; Study for the Dress and the Hands of Madame Moitessier; 1851; graphite on tracing paper, squared in black chalk; 13 15/16 x 6 5/8 inches; J. Paul Getty Museum (Los Angeles, California); 91.GG.79
Jean-Auguste-Dominique Ingres; Madame Moitessier; 1851; Samuel H. Kress Collection, National Gallery of Art (Washington, DC); 1946.7.18
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.


Linked to Getty Vocabularies
ULAN
TGN
AAT
Iconography Authority
Authorities
Work Records
Source Records
• In addition to compliance with ISO and NISO for controlled vocabularies
• CONA complies with entity relationship diagram for CDWA (*Categories for the Description of Works of Art*) and CCO (*Cataloging Cultural Objects*)
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.


Linked to Getty Vocabularies
ULAN
TGN
AAT
Iconography Authority
Authorities
Work Records
Source Records
• Is the first Getty vocabulary to be actually linked to the others (others have controlled lists based on another vocabulary, e.g., “roles” in ULAN based on AAT terms)
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

SUBJECTS FROM THE CONA ICONOGRAPHY AUTHORITY

- The CONA Iconography Authority (IA) = iconography and other subject terminology not contained in the other linked vocabularies
- CONA IA includes religion/mythology, fictional characters, named animals, themes from literature, and fictional places
  - E.g., mythological and fictional places and characters (e.g., *Zeus*), the names of specific events, (e.g., the *American Civil War*), or iconographic themes (e.g., the *Adoration of the Magi*)

Per CDWA/CCO, excludes subjects that are real people or corporate bodies, real geographic places, or generic terms are controlled by other 3 authorities

© 2011 J. Paul Getty Trust, author: Patricia Harpring. Do not distribute. For educational purposes only.

ELEMENTS OF CONA IA RECORD

A module in CONA: Not a separate vocabulary

iconographic subject
1000083

names
Adoration of the Magi
Adoration of the Three Kings
Adoration of the Wise Men
Adorazione dei Magi
Anbetung der Könige
Adoración de los Reyes Magos
Adoration des mages

parent concept
Religion/Mythology
...Christian iconography
.....New Testament

other relationships
magi
kings
gifts
worship
Epiphany

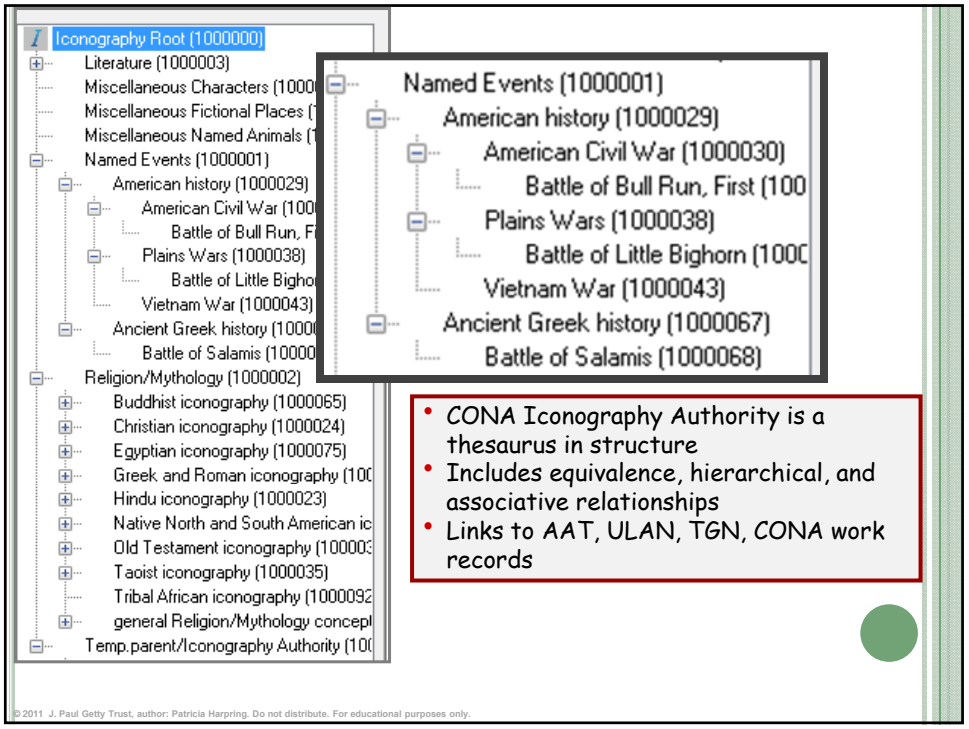
type
religion/ mythology

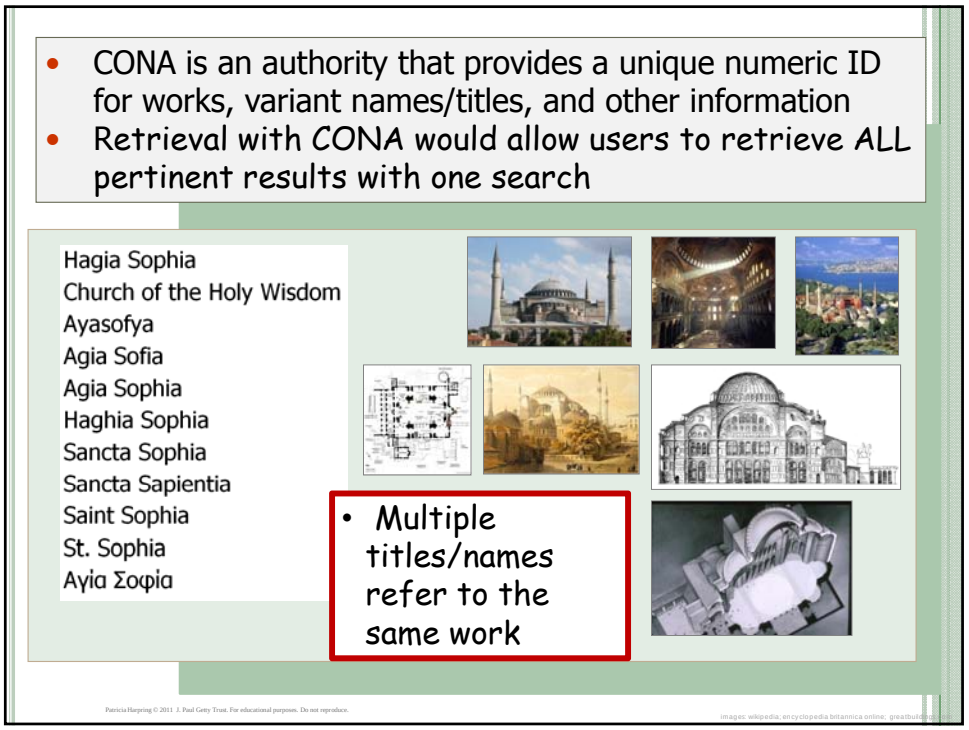
related iconography
Gaspar
Melchior
Balthasar
Jesus Christ
Blessed Virgin Mary
Saint Joseph

note
Episode in the Life of Christ in which the three magi travel from the East, following a star, to worship the newborn …

sources
Ferguson, Signs and Symbols in Christian Art (1966); Grabar, Christian Iconography: Study of Its Origins (1981); Harpring, Bartolo di Fredi (1993); New Catholic Encyclopedia [online] (2003-); Iconclass 2100 Browser (2009-)

© 2011 J. Paul Getty Trust, author: Patricia Harpring. Do not distribute. For educational purposes only.


Iconography Root (1000000)
Literature (1000003)
Miscellaneous Characters (1000
Miscellaneous Fictional Places (
Miscellaneous Named Animals (
Named Events (1000001)
American history (1000029)
American Civil War (100
Battle of Bull Run, F
Plains Wars (1000038)
Battle of Little Bigho
Vietnam War (1000043)
Ancient Greek history (1000
Battle of Salamis (10000
Religion/Mythology (1000002)
Buddhist iconography (1000065)
Christian iconography (1000024)
Egyptian iconography (1000075)
Greek and Roman iconography (10
Hindu iconography (1000023)
Native North and South American ic
Old Testament iconography (10000
Taoist iconography (1000035)
Tribal African iconography (1000092
general Religion/Mythology concepl
Temp.parent/Iconography Authority (10
Named Events (1000001)
American history (1000029)
American Civil War (1000030)
Battle of Bull Run, First (100
Plains Wars (1000038)
Battle of Little Bighorn (1000
Vietnam War (1000043)
Ancient Greek history (1000067)
Battle of Salamis (1000068)
• CONA Iconography Authority is a thesaurus in structure
• Includes equivalence, hierarchical, and associative relationships
• Links to AAT, ULAN, TGN, CONA work records
© 2011 J. Paul Getty Trust, author: Patricia Harpring. Do not distribute. For educational purposes only.


• CONA is an authority that provides a unique numeric ID for works, variant names/titles, and other information
• Retrieval with CONA would allow users to retrieve ALL pertinent results with one search
Hagia Sophia
Church of the Holy Wisdom
Ayasofya
Agia Sofia
Agia Sophia
Haghia Sophia
Sancta Sophia
Sancta Sapientia
Saint Sophia
St. Sophia
Αγια Σοφια
• Multiple titles/names refer to the same work
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.
images: wikipedia; encyclopedia britannica online; greatbuildings.com

Cultural Objects Name Authority *CONA*

© Metropolitan Museum of Art, New York

- As with all Getty Vocabularies, names are published in Unicode
- Roman and non-Roman characters

Catalog level: item

Names/Titles:

Great Wave at Kanagawa
Pref: preferred *Type:* repository

In the Hollow of a Wave off the Coast at Kanagawa
Pref: alternate

La Vague *Language:* French

Die große Welle
Language: German

Kanagawa oki nami ura
Language: Japanese transliterated

神奈川沖浪裏
Language: Japanese

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Cultural Objects Name Authority *CONA*

© Metropolitan Museum of Art, New York

Current Location: Metropolitan Museum of Art (New York, New York, USA) *Location type:* corporate body

Repository ID: JP1847

Credit Line: H. O. Havemeyer Collection, Bequest of Mrs. H. O. Havemeyer, 1929

Display Creator: Katsushika Hokusai (Japanese, 1760-1849); published by Nishimura Eijudo (Japanese, 19th century)

Related People/Corporate Bodies:

Hokusai, Katsushika *Role:* printmaker

Nishimura Eijudo *Role:* publisher

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Cultural Objects Name Authority *CONA*

© Metropolitan Museum of Art, New York

Display Creation Date: ca. 1831/1833
Start: 1828 ▪ *End:* 1836
Classification: prints
Object/Work Type:
color woodcut
Technique/Medium display: woodcut, polychrome ink and color on paper
Material: ▪ polychrome ink ▪paper ▪ color (pigment)
Technique: ▪ woodcut
Measurements display: 25.7 x 37.9 cm (10 1/8 x 14 15/16 inches)
▪*Value*: 25.7 *Unit*: cm *Type*: height
▪*Value:* 37.9 *Unit*: cm *Type*: width

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Cultural Objects Name Authority *CONA*

© Metropolitan Museum of Art, New York

Inscription: transliterated signature: Hokusai aratame Iitsu hitsu
Depicted Subject:
general: ▪seascape
specific: ▪wave ▪fishermen ▪boat ▪Mount Fuji (Chubu, Japan) ▪Kanagawa (Kanto, Japan)

Style: Edo *Culture:*

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Cultural Objects Name Authority *CONA*

© Metropolitan Museum of Art, New York

Descriptive Note: The large wave dominates the scene, with the small mountain in the background. It is said to have inspired said to have inspired both Debussy's "La Mer" and Rilke's "Der Berg"…

Related Works:

Sources: Metropolitan Museum of Art online (2001-) *Page:* accessed 10 June 2010

Broader Context:

Movable Works

Katsushika Hokusai (Japanese, 1760-1849); Thirty-six Views of Mount Fuji: First Series; 1827-1837

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

CONA news and current development:

- Production system is currently in beta testing phase
- Editorial manuals now available on line
- Contributions will be accepted beginning later in 2011 (among potential first contributors are: Getty Museum, GRI, Built Works Registry, ARTstor , Met)
- XML contribution schema is posted online
- CONA will be available online, with limited data, in 2012
- When critical mass is available through contributions, licensing options will be announced

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Multilinguality and Translation Issues

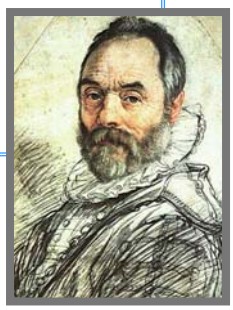
- Getty vocabularies are increasingly multilingual
  - The Getty Vocabularies are not fully multilingual, due to issues of complexity; however Terms/Names/Titles and Descriptive/Scope Notes are repeatable in multiple languages
  - TGN and ULAN have many thousands of non-English names, although the languages are not flagged and thus cannot be counted
  - AAT: Base language of AAT is American English, but of the total ca. 245,500 total terms in AAT, 50,000 are Spanish; 50,000 are Dutch; 6,000 are French; 6,000 are Italian; 3,000 are British English; 1,600 are German; etc. (these are total records, including candidates not published)

Patricia Harpring © 2011. J. Paul Getty Trust. For educational purposes. Do not reproduce.

LANGUAGES IN ULAN

Giambologna *(preferred, display, English-P, Italian-P, LOC)*
Bologna, Giovanni *(Italian)*
Giovanni Bologna *(Italian)*
Giovanni da Bologna *(Italian)*
Bologne, Jean de *(French)*
Jean de Bologne *(French)*
Boulogne, Jean *(French)*
Gian Bologna *(Italian)*

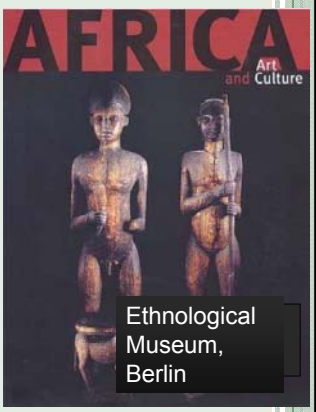
- Artists who were known by multiple names in their lifetime; married names



Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

LANGUAGES FOR CORPORATE BODIES

Ethnological Museum *(preferred, English-P)*
Ethnologisches Museum *(German-P)*
Ethnographische Sammlung *(historical, German)*
Ethnographic Collection *(historical, English)*
.... name used from 1829
Cabinet of Art and Rarities *(historical, English)*
Kunst- und Raritätenkabinett *(historical, German)*



Ethnological Museum, Berlin

- Language often more pertinent with corporate bodies than people

since corporate body names are often translated in published sources (while people's names rarely are)

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

VARIOUS TRANSLITERATIONS

Dai Xi (preferred, display)
Dai, Xi (LC)
Dài Xī (Chinese, transliterated Pinyin)
Tai Hsi (Chinese, transliterated Wade-Giles)
Chunshi (sobriquet)
Yu'an (sobriquet)
戴熙 (Chinese)

- Transliterated names
- Preferred name is in the Roman alphabet
- Transliterated using ISO standard, if possible

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Dai Xi ; Landscape; sold at auction 28 November 2005. Admiring the waterfall (w/frontispiece & annotations); 1847; Sale Of Sotheby's Hong Kong: Monday, April 28, 2003 Images from ArtNet online.

VARIOUS TRANSLITERATIONS, UNICODE

Shishkin, Ivan (preferred, index, LC)
Ivan Shishkin (display)
Šiškin, Ivan Ivanovič
Chichkin, Ivan Ivanovitch
Schischkin, Iwan Iwanowitsch
Иван Иванович Шишкин

- Variant transliterations are included

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

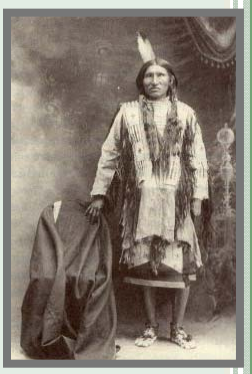
Ivan Shishkin; Sun-Lit Pines; 1886; oil on canvas; 102 x 70.2 cm (40 1/16 x 27 5/8 inches); Tretyakov Gallery (Moscow, Russia).. Image neneamircea.weblog.ro

TRANSLATIONS

- Common translations are important variants
- "coined" terms or names are not allowed
- translation must be found in published source

Kicking Bear *(preferred, English-P)*

Mato Wanartaka *(Native American language)*



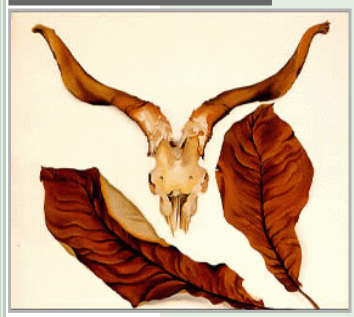
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Portrait: Image from Wikipedia; Battle of Little Big Horn, ca. 1898 Watercolor on muslin2 ft. 11 in. x 5 ft. 10 in. frame included The Southwest Museum (Los Angeles, California)

MARRIED NAME
COMMON MISSPELLING

O'Keeffe, Georgia
Georgia O'Keeffe
O'Keefe, Georgia
Stieglitz, Alfred, Mrs.

- published misspellings added to vocabulary
- but anticipated end-user misspellings can be accommodated on retrieval



Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Georgia O'Keefe; Ram's Skull With Brown Leaves; Roswell Museum and Art Center; Roswell, New Mexico from: http://www.roswellmuseum.org/

FORMER NAMES, "INCORRECT" NAMES

- Names for 14th-century *Sienese painter*
- Include spelling variations, former names (e.g., appellations used when the artist was anonymous)

Bulgarini, Bartolomeo
Bartolomeo Bolgarini
Bartolomeo Bolghini
Bartolomeo Bulgarini
Bartolommeo Bulgarini da Siena
Maestro d'Ovile
Master of the Ovile Madonna
Ovile Master
Lorenzetti, Ugolino
Ugolino Lorenzetti

Assumption of the Virgin, Pinacoteca Nazionale, Siena image from: Carli, Enzo, Sienese Painting, Harper & Row, 1983; The St. Catherine of Alexandria, National Gallery of Art, Washington DC, 1943.4.20, image from nga.gov

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

LANGUAGES IN TGN

Pascua, Isla de *(preferred,Spanish-P)*
Isla de Pascua *(Spanish, display name)*
Rapa Nui *(Rapa Nui-P)*
Rapanui *(Rapa Nui)*
Easter Island *(English-P)*

- Variant names in other languages for archaeological and historical sites
- Preferred forms in English and other languages may be flagged

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.
image: zengomobi.com

LANGUAGES IN TGN

Firenze *(preferred, vernacular, Italian-preferred)*
Florence *(English-preferred)*
Florencia *(Spanish-preferred)*
Florenz *(German-preferred)*
Fiorenza *(historical, Italian)* Medieval
Florentia *(historical, Latin)* name of Roman colony on bank of Arno
Florentine *(adjectival, English)*

TGN includes historical names

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Coat of Arms of Florence, floor mosaic, Medici Chaple, Florence
image from Educ. Giunti di S. Bocci, Firenze, view, photo by Patricia

LANGUAGES IN TGN

Strasbourg *(preferred, vernacular, French-preferred)*
Strassburg *(vernacular, German-preferred)*
Straßburg *(vernacular, German-preferred)*
Strossburi *(vernacular, Alsatian-preferred)*
Estrasburgo *(other, Spanish-preferred)*
Strateburgum *(historical, Medieval Latin)*
Argentoratum *(historical, Ancient Latin)*

Multiple vernacular names

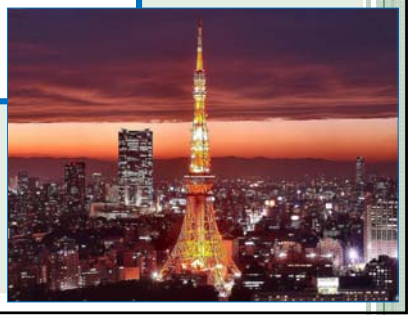
Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

photos by Patricia Harpring

LANGUAGES IN TGN

Tōkyō (preferred,C,V) ..... after replacing Kyōto as Imperial capital, 1868
Tokyo (C,V,English-P,U,N)
東京 (C,V,Japanese-P,V,N)
Tokio (H,O,English,U,N) ..... obsolete spelling
Edo (H,V) ..... during Tokugawa Shogunate begining 1603
Yeddo (H,V)
Yedo (H,V)

Transliterations and diacritics, Unicode



Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Languages in CONA

Hagia Sophia *(preferred, English-P, Greek transliterated-P)*
Holy Wisdom *(English, translated)*
Ἁγία Σοφία *(Greek-P)*
Ayasofya *(Turkish)*
Santa Sofia
Agia Sofia
Sancta Sophia *(Latin)*
Megale Ecclesia

- Title/names in CONA may be flagged in various languages

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Photo by Yetsuh Frank. © Yetsuh Frank; from http://www.byzantium1200.org/hagia.html

Languages in AAT

Current situation:

- AAT is in the Roman alphabet
- Base language is English
- Terms and Scope Notes may be represented in other languages
- Displayed and published in Unicode

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Languages in AAT

Note: Printing method in which an image is created by lithographic technique, using the disamnity of greasy and watery substances, and is then transferred from the stone or plate to an intermediary, such as a rubber blanket,

offset lithography (**preferred**,C,U,LC,English-P,D,U,U)
lithography, offset (C,U,English,UF,U,U)
offset (lithography process) (C,U,English,UF,U,U)
offset litho (printing process) (C,U,English,UF,U,U)
offsetlithografie (C,U,Dutch-P,D,U,U)
litografía en offset (C,U,Spanish-P,D,U,U)

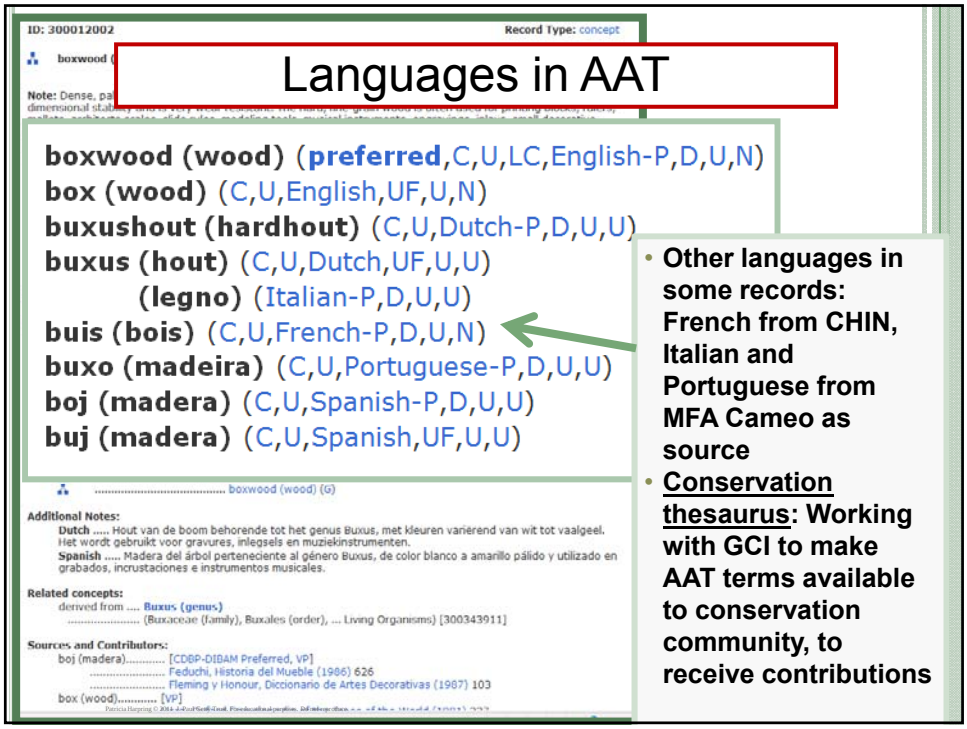
.... Processes and Techniques (G)
..... <processes and techniques> (G)
..... <processes and techniques by specific type> (G)
..... <image-making processes and techniques> (G)
..... <printing and printing processes and techniques>
..... <printing processes> (G)
..... <planographic printing processes> (G)
..... lithography (G)
..... offset lithography (G)

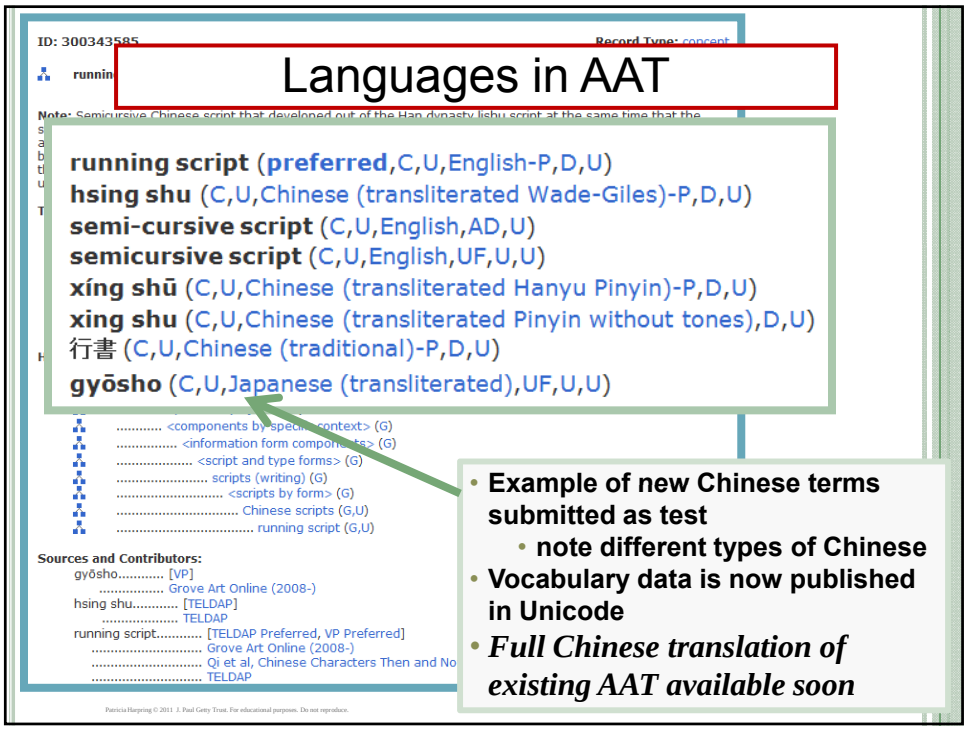
- **Example with new Dutch and Spanish terms**
- **Scope Notes also translated**

Additional Notes:

Dutch ..... Drukmethode waarbij een beeld wordt gemaakt met behulp van lithografische techniek, waarbij gebruik wordt gemaakt van de tegengesteldheid van vettige en waterige substanties, waarna het van de steen of plaat wordt overgebracht op een andere laag, bijvoorbeeld van rubber, en vandaar op het uiteindelijke oppervlak. Gebruik de meer algemene term 'offsetdruk' als gebruik wordt gemaakt van dit

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.


Languages in AAT
boxwood (wood) (preferred,C,U,LC,English-P,D,U,N)
box (wood) (C,U,English,UF,U,N)
buxushout (hardhout) (C,U,Dutch-P,D,U,U)
buxus (hout) (C,U,Dutch,UF,U,U)
(legno) (Italian-P,D,U,U)
buis (bois) (C,U,French-P,D,U,N)
buxo (madeira) (C,U,Portuguese-P,D,U,U)
boj (madera) (C,U,Spanish-P,D,U,U)
buj (madera) (C,U,Spanish,UF,U,U)
Other languages in some records: French from CHIN, Italian and Portuguese from MFA Cameo as source
Conservation thesaurus: Working with GCI to make AAT terms available to conservation community, to receive contributions


Languages in AAT
running script (preferred,C,U,English-P,D,U)
hsing shu (C,U,Chinese (transliterated Wade-Giles)-P,D,U)
semi-cursive script (C,U,English,AD,U)
semicursive script (C,U,English,UF,U,U)
xíng shū (C,U,Chinese (transliterated Hanyu Pinyin)-P,D,U)
xing shu (C,U,Chinese (transliterated Pinyin without tones),D,U)
行書 (C,U,Chinese (traditional)-P,D,U)
gyōsho (C,U,Japanese (transliterated),UF,U,U)
Example of new Chinese terms submitted as test
note different types of Chinese
Vocabulary data is now published in Unicode
Full Chinese translation of existing AAT available soon

English descriptors

color proofs *(preferred, descriptor, American English-P)*
color proof *(alternate descriptor, American English)*
colour proofs *(descriptor, British English-P)*
colour proof *(alternate descriptor, British English)*
flat proofs *(used for)*
proofs, color *(used for)*

- English is preferred term, descriptor
- There are separate American English and British English descriptors if spelling is different

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Terms in other languages

still lifes *(preferred, C,U,D, English-P)*
still life *(C,U,AD, English)*
still-lifes *(C,U,UF, English)*
still lives *(C,U,UF, English)*
nature morte *(C,U,D,French-P)* ... used from the mid-18th century
natura morta *(C,U,D,Italian-P)*
stilleven *(C,U,D,Dutch-P)* ... in use from ca. 1650
Stilleben *(C,U,D,German-P)*
naturaleza muerta *(C,U,D,Spanish-P)*
nature reposée *(H,U,UF,French)* ... early 18th-century French term

- AAT includes terms in other languages
- Follows capitalization rules of that language

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

Still Life with Apples, Paul Cézanne; French, 1893 - 1894; Oil on canvas; 25 3/4 x 32 1/8 in.; J. Paul Getty Museum, Los Angeles, California

VARIOUS TRANSLITERATIONS

chi wara *(preferred)*
chi-wara
chiwara
ciwara
tyi wara
tyiwara
sogoni koun

- Include variant transliterations
- We use sources where terms are already transliterated
- Prefer ISO transliteration

Bamana Headdresses; Bamana peoples; chi wara; wood, iron, fiber; 20th cen.; heights: 55.2 cm and 59.1 cm; National Museum of African Art, gift of Dr. Ernst Anspach and museum purchase

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

IN CONCLUSION

THE GETTY VOCABULARIES

- Are authoritative "non-authoritarian" vocabularies used by the art and architecture community
- Data model allows linking to preferred names as well as to any other "non-preferred" name in the record
- Using the unique, persistent subject id and term_id, Getty vocabularies may be used in linked data applications
- CONA is the first Getty vocabulary to be linked to other vocabularies, while before others have always used controlled lists based on each other

Patricia Harpring © 2011 J. Paul Getty Trust. For educational purposes. Do not reproduce.

THE GETTY VOCABULARIES AND VIAF

- VIAF (The Virtual International Authority File)
- There are 21 authority files of personal, corporate, and conference names from 18 organizations participating in VIAF
- The GRI was invited by the Library of Congress to join the project, and officially became a member in March 2010
- ULAN records are now part of the VIAF file
- The GRI's next contribution to VIAF will be *TGN*

THE GETTY VOCABULARIES AS LINKED DATA

- Unique IDs identify records and terms
- Semantic "links" (e.g. hierarchical, equivalence, associative relationships, links to sources, etc.) are already embedded in vocabulary data
- Vocabularies' XML schemas are more complex, but map well to SKOS (Simple Knowledge Organization System)
- We are currently exploring expression and dissemination of our data as SKOS/linked data
- Input and requirements specs from the user communities (e.g. ARTstor, CIDOC/LIDO working group, et al.) will be crucial (LIDO = Lightweight Information Describing Objects , an XML harvesting schema, incorporating CDWA-Lite and other schemas)

presented by
Robin Johnson
senior standards editor
Getty Vocabulary Program
rjohnson@getty.edu

to contribute, please write to
vocab@getty.edu

or
Patricia Harpring
managing editor
Getty Vocabulary Program
pharpring@getty.edu

 copyright J. Paul Getty Trust