GETTY VOCABULARY PROGRAM:
STATISTICS AND ISSUES

ITWG: August 2017

Patricia Harpring, Managing Editor
Getty Vocabulary Program
Statistics and Issues: Editorial, contributions, usage
AAT: Status and issues
TGN: Status and issues
ULAN: Status and issues
CONA: Status and issues
IA: Status and issues

ULAN and CONA issue detail: Robin Johnson
AAT issue detail: Antonio Beecroft
TGN issue detail: Jon Ward

* Presentations will be posted online
• **Art & Architecture Thesaurus ®**
  AAT = information for generic concepts, terms, relationships, other data *(e.g., watercolors, 玉器, amphora, asa-no-ha-toji)*

• **Getty Thesaurus of Geographic Names ®**
  TGN = information for administrative, physical places, names, relationships, historical information, coordinates, other data *(e.g., Diospolis, Acalán, Ottoman Empire, Ganges River)*

• **Union List of Artist Names ®**
  ULAN = information for people, corporate bodies, names, biography, relationships, other data *(e.g., Christopher Wren, Altobelli & Molins; Anp'yŏng Taegun; Amjad Ali Shah, King of Awadh)*

• **Cultural Objects Name Authority ®**
  CONA = information for works of art and architecture, titles/names, relationships, physical characteristics, subject, physical and conceptual works, extant and destroyed *(e.g., Mona Lisa, Livre de la Chasse, Bhimesvara Temple)*

• **Getty Iconography Authority**
  IA = information for iconographical narratives, religious or fictional characters, historical events, literary works and performing arts, including names, relationships, links to Getty vocabs, other data *(e.g., Adoration of the Magi, Zeus, French Revolution, Der Ring des Nibelungen, Reclining Buddha)*
STATISTICS, ACTIVITIES, USAGE
Summary: Recent Activities and Issues

- **Primary activity has been processing contributions** and maintaining the databases
  - **AAT**: Consultation for ongoing German, Chinese, and Dutch translations; Chilean contribution of TRP (Tesauro Regional Patrimonial)
  - **TGN**: Processing ancient sites, modern hierarchies
  - **ULAN**: Loading of Special Collections and Provenance artists, owners
  - **CONA**: Processing of contributions; developing editorial rules; mapping to CRM
  - **IA**: Processing of contributions; developing editorial rules
  - **LOD**: Mapping and harmonizing, informed by real-life use cases, e.g., Provenance Index redesign
  - **Outreach**: Publishing and presenting in various venues
    - **AB**: CAA conference; **RJ**: SAA conference; **JW**: ARLIS conference and Museums on the Web; **PH**: Multilingual Equivalence and various other online publications: JC and GG were also active
Recent Activities and Issues

- Improving processing of contributions:
  - Completeness of contributions = faster publication
- All vocabularies: **Clearing the bottleneck** from contribution to publication
- Critical to maintain high quality and authoritativeness in Getty vocabularies; careful vetting and sources = our strong point
- Need to balance the speed of data release with protecting users from linking to in-flux and wrong information
- Technical solutions for CONA are proposed (pre-processor); Vocab focusing on editorial
Recent Activities and Issues

• **Communication**
  • We need to better communicate as a group online (Wiki, Google group, contributors’ checking Revision History for relevant changes, etc.). Will discuss later. One contributor’s editorial solution should be visible to benefit all.

• **Future of the Getty Vocabularies and the ITWG**
  • ITWG and our international partnerships are very important to the GRI and the Getty
  • Hope to have another meeting in a couple of years at Getty However, cannot commit; changes in leadership, budget; will keep you informed as developments arise
  • **In the meantime, online communication and informal meetings at conferences will be important**
  • **Critical priority** = working with international partners to become increasingly multicultural and multilingual
  • Within the Getty, current priority is for the vocabularies to become more responsive and relevant to GRI and Getty resources; to incorporate our vocabs into our own resources, starting with the GRI Provenance Index (Special Collections, Getty Museum, Getty Conservation Institute)
Total records, terms, and candidates in process
July 2017

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<td>IA</td>
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* Loaded, not processed. How to clear the bottleneck from contribution → publication?
Major Loaded Contributions since July 2016 *

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<td>Feb-Mar-17 RKD, AAT-Ned records having Dutch terms 375</td>
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<tr>
<td>[Aug-17 AS records having Chinese terms 5,000]</td>
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<td>[Coming soon: German, Polish, Hebrew-Arabic, French-Italian contributions]</td>
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<tr>
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<tr>
<td>Aug-16--Jan-17 Institut national d'histoire de l’art (INHA) artists 493</td>
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<tr>
<td>Nov-16 GRI Spec Collections Szeeman artists 24,439</td>
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<tr>
<td>Dec-16 Provenance Index &amp; GRI Special Collections- Knoedler artists 5,828</td>
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<td><strong>TGN</strong></td>
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<tr>
<td>Aug-16 NRW (project University of Bonn) Pre-Columbian sites 298</td>
</tr>
<tr>
<td>Jun-17 NGA/NIMA Switzerland, etc.</td>
</tr>
</tbody>
</table>

- Loaded may be merged = often not increase in number of records, but increase in terms
- Records added by hand are not recorded as “loaded”
Editorial work: Added or Edited  

- Number of records per month varies depending upon action
- e.g., Loaded translations often require no editorial work; just initial spot checking and then globally loaded

Clearing the bottleneck
- If records include required fields and in our required format, turnover is much faster
- Feedback: no longer spreadsheets with comments on each record; BRAINSTORM: instead, use Wiki or monitor the Revision History

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<tr>
<th></th>
<th>AAT records</th>
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<th>ULAN records</th>
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<th>TGN records</th>
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### Users of Online Web Searches

**July 2016-June 2017 [July]**

- Number of Users, visits, page views, unique searches per month
- Could we share numbers of users in satellite AAT sites Germany, Chile, Netherlands, Taiwan?

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<thead>
<tr>
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<th>June-17</th>
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<td>58,299</td>
<td>659,489</td>
<td>48,080</td>
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<td><strong>CONA Page Views</strong></td>
<td>514</td>
<td>6,694</td>
<td>552</td>
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<td><strong>Total Page Views:</strong>*</td>
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<td>1,543</td>
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<td><strong>ULAN Users</strong></td>
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<td>68,693</td>
<td>4,432</td>
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<td>100</td>
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*excluding monthly total calculations*
Sample usage of online search

- Getty vocabularies are always among the highest used resources at the GRI
- NB: Data usage in other resources is not tracked
- Data is available in collections management systems, other sites, and in LOD
- Getty vocabularies are always among the highest used databases at the GRI
## Vocabularies LOD

**Calendar Year 2017**

<table>
<thead>
<tr>
<th>Month</th>
<th>Unique Visitors</th>
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</tbody>
</table>

- Getty vocabularies have high usage as LOD
Publications and online resources

New: Quick reference guides, multilingual equivalency work

www.getty.edu/research/tools/vocabularies/contribute.html#quick_ref

www.getty.edu/research/tools/vocabularies/guidelines/aat_4_4_appendix_d_contributors.html#4_4_2

Categories for the Description of Works of Art

Introduction

The Categories for the Description of Works of Art (CDEWA) are a set of guidelines for both artists in cataloging and documenting works of art, architecture, other material culture, groups and collections of works, and related images, arranged in a conceptual framework that may be used for designing databases and accessing information. CDEWA includes around 240 categories and subcategories of information. A small subset of categories is considered here as that form the basis for the current information necessary to identify and describe a work. This subset includes:

AAT: Art & Architecture Terminology

Guidelines for Multilingual Equivalency Work (Patricia Harpring)

Please use the guidelines here with Introduction to Controlled Vocabularies (Harpring, Patricia, 2013), and the Editorial Guidelines on this site. The lengthy, comprehensive discussions in these works are not repeated here.

Details of the guidelines here are augmented and revised as necessary over time, typically as new issues arise in translation projects.

For occasional terms in foreign languages other than large translation projects, see the AAT Editorial Guidelines: Terms: Translating terms.

4.4.2.1 Quick Reference Guide

Below is a brief list of critical guidelines for establishing multilingual equivalences in the AAT.

- Contact the Getty Vocabulary Program before beginning a translation project.
- Follow the guidelines in the AAT Editorial Guidelines.
The Getty Vocabularies at the Getty Center
20th anniversary: 1997 - 2017

- Working with many Getty staff and outside institutions
- For AAT and all, moved from a primarily monolingual model in English in 1997 to a model of multilinguality and multiculturality in 2017
- Expanding scope from art history and museum/visual resources cataloging to embrace, e.g., art conservation, archaeology
The Getty Vocabularies at the Getty Center
20th anniversary: 1997 - 2017

- Full translations of AAT are ongoing in Spanish, Dutch, German, and Chinese; partial and beginning translations are in French, Italian, Polish, Japanese, Catalan, Portuguese, Hebrew, and Arabic.

Records having terms in various languages:
- English 45,700
- Spanish 32,300
- Dutch 36,100
- Chinese 15,500
- German 8,400
- Italian 13,100
- French 4,300
20-year comparison statistics

Over the past 20 years the Getty Vocabulary Program has done the following:

- Enormous growth in size and scope AAT, ULAN, and TGN, new CONA and IA.
- Achieved global reach with international partners
- Scope = multicultural (non-Western) and multilingual
- Core audience = not only museums, special collections, and art historians, but also conservation and archaeology, among others
- Greatly enlarged the number of contributors and users
- From publishing data in hardcopy books and limited licensed formats to new openness of access and linking (LOD); ASCII to Unicode
- Incorporation in search engines and collections management software globally
- From producing documentation for internal Getty use to producing hundreds of Web pages on standards, workshops, and rules for cataloging art and creating vocabularies, *Introduction to Controlled Vocabularies*, many dozens of articles etc.
# Getty Center: 1997 - 2017

## Growth of Vocabularies concepts / terms

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<th>1997</th>
<th>2017</th>
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<td>ULAN</td>
<td>93,800/206,500</td>
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## Growth of Users

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<th>2017</th>
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<tr>
<td>Vocabulary online page views per month</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Users/searches in online search per month</td>
<td>1,500/20,000</td>
<td>12,000/110,000</td>
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<tr>
<td>Unique users/records LOD downloads per mo.</td>
<td>0/0</td>
<td>5,000/3,000,000</td>
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<tr>
<td>Locations where users are located</td>
<td>3 nations per month average</td>
<td>100 nations per month average</td>
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</table>
Nations included most often in the top 10 geographic regions using the vocabularies each month:
Armenia, Australia, Austria, Belarus, Belgium, Brazil, Canada, Chile, China, Colombia, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Ireland, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Puerto Rico, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, Switzerland, Taiwan, Turkey, Ukraine, United Kingdom, United States
## Growth of Contributors

<table>
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<tr>
<th></th>
<th>1997</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing institutions</td>
<td>23 in USA, Canada, UK, Italy</td>
<td>330 globally</td>
</tr>
</tbody>
</table>

### The heaviest contributors to the Getty vocabularies:

Contributors include projects at the Getty Research Institute, the Getty Conservation Institute, and the J. Paul Getty Museum. Other recent contributors include the Centro de Documentación de Bienes Patrimoniales, Chile; Netherlands Institute for Art History (RKD); Academia Sinica of Taiwan; the Staatliche Museen zu Berlin Preussischer Kulturbesitz; the Courtauld Institute; Grove Art online; the Rijksmuseum in Amsterdam; Indiana University slide library; the Victoria and Albert Museum; Istituto Centrale per il Catalogo e la Documentazione, Rome; the Canadian Heritage Information Network (CHIN); the Canadian Centre for Architecture; the Frick Art Reference Library; the Smithsonian Institution National Museum of African Art; the National Art Library in London; the Mystic Seaport Museum; the Harry Ransom Humanities Research Center at the University of Texas at Austin; the Bunting Visual Resources Library at the University of New Mexico.

---

CC-By J. Paul Getty Trust  
 Getty Vocabularies: Update for ITWG 2017  
 author: Patricia Harpring  
 August 2017
Terms:
color lithographs (pref, American English-P)
color lithograph (American English)
multicolor lithographs (American English)
colour lithographs (British English-P)
multicolour lithographs (British English)
cáisèshíbānyínshuā (Chinese (Pinyin w/o tones))
cai se shi ban yin shua (Chinese (Pinyin w/o tones))
ts'ai se shih pan yin shua (Chinese (Wade-Giles))
kleuren lithografieën (prenten) (Dutch-P)
kleuren lithografie (prent) (Dutch)
kleuren litho (prent) (Dutch)
kleuren litho's (Dutch)
lithographies en couleur (French-P)
lithographie en couleur (French)
lithographies en couleurs (French)
Farb lithografien (Farbdrucke) (German)
Farblithografie (Farbdruck) (German-P)
Farb lithographie (Farbdruck) (German)
Farb lithographien (Farbdrucke) (German)
litografías en color (obra visual) (Spanish-P)
litografía en color (obra visual) (Spanish)

ID: 300041383

Associative Relationships
produced by ... color lithography (<planographic printing processes, ... Processes and Techniques) [300190525]

Hierarchical Relationships (poly)

Note: Lithographs printed in several colors.
Chinese (traditional) 以許多顏色印製而成的平版印刷版畫。
Dutch Lithografieën gedrukt in verschillende kleuren.
German In mehreren Farben gedruckte Lithographie.
Spanish Litografías impresas en varios colores.

Contributors:
VP,GCI,CHIN,AS,RKD,
IfM-SMB-PK,CDPB-DIBAM

Sources: Mayer, Dictionary of Art Terms; Ross et al., Complete Printmaker; AATA database; Gascoigne, How to Identify Prints; Kerner, Lexikon der Reprotechnik; Lucie-Smith, Diccionario de Términos de Arte;...
AAT Issues and Status

- Translations and other contributions
  - Translations in Spanish, German, Dutch, Chinese;
    + French, Italian, Polish, Portuguese, Japanese, Arabic
- GRI Provenance Index & Special Collections reconciliation
- Expanding scope of the AAT
  - Expanded scope conservation through GCI, archaeology, non-Western (Amerindian, Maori, Chinese)
  - new media: Antonio will discuss issues
AAT Issues

Example of issues for Provenance Index restructuring:
- Currency in AAT referred to physical objects
- PIR required currencies as monetary values

Objects

Systems of money

- Top of the AAT hierarchies
  - Objects Facet
    - Visual and Verbal Communication (hierarchy name)
    - Exchange Media (hierarchy name)
    - exchange media (objects)
    - money (objects)
    - <money by material>
    - paper money
    - <paper money by origin>
    - international paper money
    - dollars (paper money)

- Associated Concepts Facet
  - Associated Concepts (hierarchy name)
  - <culture and related concepts>
  - culture-related concepts
  - currencies (systems of money)
    - Australian dollar (system of money)
    - Belgian franc (system of money)
    - Brazilian real (system of money)
    - Canadian dollar (system of money)
    - Chinese yuan (system of money)
    - Deutsche Mark (system of money)
    - Dutch guilder (system of money)
    - Euro (system of money)
    - Florentine florin (system of money)
Import records from other projects or link to them?
- Conservation Thesaurus, TRP
- Microthesauri
- Local authority for Chilean patrimony and indigenous culture, partially maps to AAT
- Scoped locally as they need, hierarchy as they need
- LOC, VIAF, other resources

• Incorporation in larger AAT thesaurus, general usage (under “vessels”), translations, added data, maybe scope could be slightly broader in master AAT
• Links are important additions in master AAT: Here linked to Greek vessels record
• Link back to original thesaurus, which is subject-specific
Example of issues for non-Western terminology:

- Example of inclusion without full research = to relieve the bottleneck
- Representative sample data was analyzed
- English plurals = Anglicized from loan terms (or should be “translation N/A”?)
When to use a local thesaurus?

- For full translation of large thesaurus such as AAT, better to maintain the AAT hierarchy for sake of simplicity in updating.
- In AAT the hierarchy is generic, not specific to culture or discipline.
- "jades (objects)" is placed with other <sculpture by material>.
- However, in certain areas of the hierarchies, may be arranged by culture (e.g., styles and periods).

Top of the AAT hierarchies

.... Objects Facet
......... Visual and Verbal Communication (hierarchy name)
........... Visual Works (hierarchy name)
............ visual works (works)
.................. <visual works by material or technique>
........................ sculpture (visual works)
.......................... <sculpture by material>
................................ acroliths
................................ chryselephantine sculpture
................................ found object sculpture
.................................. found objects
.................................... junk sculpture
.................................... glazed sculpture
.................................... ivories (sculptures)
................................... jades (objects)
.................................. neon sculpture
...................................... pigment blocks (sculpt)
...................................... rambaramps
.................................... sandcastles
.................................. scrimshaws
.................................. soft sculpture
.................................... terracottas (sculptural works)
.................................. waxworks (sculpture)
AAT Issues

Usage in same language, different dialect or location

<table>
<thead>
<tr>
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<th>P</th>
<th>H</th>
<th>V</th>
<th>Terms/Names</th>
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<th>End Dt</th>
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</table>

Flagged in Note (not Qualifier), Language = Cuban Spanish

ID: 300411890

Cuban Spanish (language dialect) (Latin American Spanish (language dialect), Spanish (language), ...)

Associated Concepts (hierarchy name)

Note: Refers to the Caribbean language variety of Spanish spoken in Cuba.

Terms:
- Cuban Spanish (language dialect) (preferred, C, U, English-P, D, U, U)
- Spanish, Cuban (C, U, English, UF, U, U)
- es-CU (C, U, CO, English, UF, U, U)
AAT Issues

Clearing the bottleneck

Top problematic issues with new records include

- All terms in one record are not exact synonyms
  - But must be, differences only in part of speech
- SN must be broad enough to encompass all usage
  - Often new records or legacy AAT SNs are scoped too narrowly, sometimes describing one object; survey multiple sources, but don’t invent definition

sandalettes EN
Lightweight footwear, usually strappy, for women; examples include styles with a single ankle strap and open toe; in English, typically reserved for historical usage or when referencing such sandals used in or produced in various places, such as in Germany, the Netherlands, or France.

sandalets NL
Een sandaal bestaande uit een voorblad en enkelband, echter zonder hiel- en zijpanden, en een open neus. Meestal voor vrouwen.

<table>
<thead>
<tr>
<th>Revision History for sandalettes</th>
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<th>Time</th>
<th>Public Note</th>
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<tr>
<td>S updated</td>
<td>8/6/2017 21:17:43</td>
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</tbody>
</table>

NB: Is SN too narrowly scoped? …
additive (material)
Generally, any substance that is added to another to impart certain qualities to the resulting product. Specifically, often used to describe those chemical substances added to foods to produce given effects.

As rewritten:
additive (material)
A substance that is added to another to impart certain qualities to the resulting product. Examples of additives are chemical substances added to foods to produce given effects.

- Example of a change in SN (“general” and “specific” phrasing) that does not warrant a NB notice to translators in the Revision History
- Also, changes in grammar or other small changes need not be addressed in translations
• Example of a change to the record **does** that may be of interest to translators via the Revision History

• Translators should have used the D or ALT, but deletion of a UF may interest them

**volatile solvents**

Liquid solvents that vaporize at room temperature. Examples are present in lacquer thinners, gasoline, and cleaning fluids.
Use Revision History to track changes to Vocab data

<table>
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<tr>
<th>Type</th>
<th>Action</th>
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<th>Date Time</th>
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</table>

Improvements needed:

What term is it? D, AD, UF?

Why does it look like PH edited all of those other terms?
Sources: Duplicates issue

Need to check merge and load algorithms, so that exact matches are merged automatically on Full Citation.
Sources: Duplicates issue and page numbers

Different editions are not duplicates

Page numbers go in separate field, specific to the Vocab record (exception for articles citations)
Use Wiki or other method to share discussions with all translation projects

From Patricia, awaiting reply from Axel:

5. Is this correct?

As we agreed, the plural noun is D, the singular noun is ALT, but Preferred for language German. Great.

Question: Is this correct, that the Preferred flag for your institution (ifM-SMB-PK) is set on the plural D? Or did you intend that it be set on the singular ALT, which is preferred for language German?

300065884→barn-door-rollers → Concept

Devices consisting of wheels mounted to heavy doors that roll on a track or rail either above or below the door itself, designed for doors of large size and weight.
**Sample record**  

<table>
<thead>
<tr>
<th>ID: 7571465</th>
<th>Place Types</th>
</tr>
</thead>
</table>
| **Names:** | inhabited place  
| Hastināpur (preferred,English-P) | town  
| Hastināpura | archaeological site  
| Hastinapura | sacred site  
| Jastinápura |  
| हस्तिनापुर (Sanskrit) |  
| हस्तिनापुरम् (Sanskrit) |  
| Gajpur | World (facet)  
| Kunjarpur | ....Asia (continent)  
| Shanti Nagar | ..........India (nation)  
| Nagpur | ...........Uttar Pradesh (state)  
| Brahmathal | ................Hastināpur (inhabited pl.)  
| Asandivat | World (facet)  
| 哈斯蒂纳普尔 (Chinese) | ....Asia (continent)  
| هاستینابور (Persian) | ..........India (nation)  
| Hastinapur (inhabited pl.) | ...........Kuru Kingdom (former state)  
| Hastinapur (inhabited pl.) |  

**Hierarchical Rel.** (polyhierarchical)  

**Note:** Noted for Old Pandeshwar Temple; was the capital of the Kuru dynasty of kings; the epic "Mahabharata" is set in Hastinapur.

**Contributors:**  
VP,GCI,BHA,Avery,CAA-AllS

**Sources:**  
NGA/NIMA; Library of Congress Authorities; Roy, The Ganges Civilization; Lal, Excavations at Hastinapur; Shaw and Jameson, Dictionary of Archaeology …

**Links to images and other resources:**  
https://lccn.loc.gov/n97922215  
https://www.google.com/maps/place/Hastinapur  
https://NGA/NIMA -2097304
TGN Issues and Status

- **Modern world** automated updates (i.e., programming by software architect) via NGA/NIMA
- New contributions are **archaeological sites, historical entities** from GCI and other contributors
- TGN is a **thesaurus**, but **linked to GIS** (Geographic Information Systems) for maps and other geographic information (NISO standard)
- **CURRENT PRIORITIES**: Provide critical links to all geographic information in other Getty vocabularies and optimize for use in linked data at Getty
- Load NGA and contributed data as possible, including improving coverage of historical world
- Jon: power of TGN links in historical research, linking to GIS
TGN Issues

Clearing the bottleneck

Lost & Found:
• Publication method to clear the bottle neck

ID: 6004153

Nefertara (archaeological site)

Names:
  Nefertara (preferred, C, V)

Hierarchical Position:
  • World (facet)
  • .... Europe (continent) (P)
  • ........ Greece (nation) (P)
  • .......... lost & found/Greece (miscellaneous) (P)
  • ............ Nefertara (archaeological site) (P)

Place Types:
  archaeological site (preferred, C) .......... was a Mithraic site

Sources and Contributors:
  Nefertara .......... [VP Preferred]

Subject: .... [VP]
ULAN, the Union List of Artist Names®

Sample record

ID: 500060426

Names:
Hokusai, Katsushika (pref, en, ja-trans, de)
Katsushika Hokusai (en, ja-trans)
Hokusai (en, ja-trans)
葛飾 北斎 (ja)
Shunrō (en, ja-trans)
Tawaraya Sōri (en, ja-trans)
Kakō (en, ja-trans)
Tatsumasa (en, ja-trans)
Gakyōjin (en, ja-trans)
Taito (en, ja-trans)
Manji (en, ja-trans)
Tokitarō (en, ja-trans)
時太郎 (ja)
葛飾北齋 (ja)

Nationalities:
Japanese (pref)

Roles:
artist
printmaker
calligrapher
draftsman
landscapist
marine artist
figure artist
ukiyo-e artist

Gender: male

Birth and Death Places:
Born: Tokyo (Kanto, Japan) (inhab place)
Died: Tokyo (Kanto, Japan) (inhab place)

Events:
active: Tokyo (Kanto, Japan) (inhab place)
........ in Edo, modern-day Tokyo

Associative Relationships:
teacher of: Taito, Katsushika, II
............ (Japanese printmaker, active ca. 1820-1850)
child of: Nakajima Ise
............ (Japanese mirror maker, 18th century)
possibly identified with: Toshūsai Sharaku
............ (Japanese printmaker, active 1794-1795)

Contributors:
VP, Avery, GRL, BHA, CCA

Sources:
Bowie, Drawings of Hokusai (1964);
Grove Dictionary of Art online (1999-2002);
Library of Congress Authorities database (n.d.);
Metropolitan Museum of Art [online] (2003-);
Bouquillard, Hokusai: First Manga Master (2007)

Links to Getty vocabularies and outside

Partial display of a full record

Author: Patricia Harpring

8/16/2017
ULAN Issues and Status

- Increasing multiculturality, **global in scope**
- Scope includes artists, but also patrons, sitters, anonymous masters, unknowns, unidentified named
- **CURRENT PRIORITIES:** Processing recent loads of 10s of thousands from GRISC and Provenance Index (an original contributor to ULAN)
- Other contributions

- **Robin** will address a few detailed issues regarding linking in ULAN, and CONA
ULAN Issues

Clearing the bottleneck

• Unidentified Named People and Firms allows incomplete records to be published and linked

• Some will always remain unidentified; others’ biographies are resolvable with a bit of research; expert user or expert crowd sourcing

• Examples, from Provenance Index, Special Collections finding aids, others

Top of the ULAN list / hierarchy

.... Unidentified Named People and Firms (ULAN facet)

Aalst, van (Unknown artist, Sale at Dordrecht, 1 November 1802)

Aav (artist, active 20th century)

A. Bacon (Unknown artist)

Abady, Sheila (artist)

Abanico (artist, active 20th century)

Abar, J. (Artist)

Abbate, Giulio Cesare (Artist)

Abbatini, Antonio Maria (Italian artist, 17th century)

Abbey, Joshua (artist)

Abbot, David (artist)

Abbott (British painter, active 16th century)

Abbott, Lemuel Francis (Unknown artist)

Abbruch (artist, active 20th century)

Abel (artist, active 1940; Witt Library, Authority files)
ULAN Issues

Providing access

- Local usage
- Names that are generic, used in archival sources

Formerly would have been deleted in ULAN, now retained and flagged “local use”
ULAN Issues

Providing access

• Local usage
• Also a misspelling
• Included for access, in original documents (a misreading of handwriting in a transcription, perhaps)
ULAN Issues

Clearing the bottleneck

- Allow some inconsistencies with certain data
- multiple Provenance records may be merged, biographies may contradict – published, but “preferred” VP bio is correct

- Person, corporate body, and attribution statements may be included as “names” in one record
- These will be rectified as much as possible; loaded with “unidentified named” until fixed and merged
Acquiring Open Data

- With all vocabularies: We are exploring loading available open data from reliable sources, including repositories

- Contributors and sources are noted, making the data authoritative

- According to legal counsel, required that we provide this for contributors' data (including CC0)
CONA, the Cultural Objects Name Authority®

Titles, attributions, styles, locations, other information about movable works (paintings, sculpture, prints, drawings, photographs, ceramics, etc.) and architecture (buildings, bridges, etc.) (e.g., Hagia Sophia, Mona Lisa, Fantastic Landscape with a Pavilion).

- CONA is a resource containing and linking to metadata about works
- Built works, movable works, conceptual (multiples) works, visual surrogates, unknown named works
- CONA includes information for works executed or designed (e.g., a built work for which only design drawings exist); extant or destroyed, ephemeral, lost
- CONA is linked to AAT, TGN, ULAN, IA
CONA ID: 700001950

**Titles:**
Shiva (nl; en)
Shiva met de maan in het haar (nl)
Shiva with the Moon in his Hair (en)

**Catalog Level:** item

**Work Types:**
sculpture (visual work)

**Classifications:**
sculpture (preferred)

**Creation Date:** 1000/1200

**Creator Display:**
anoniem
sculptor: unknown Chola

**Locations:**
Current: Rijksmuseum (Amsterdam, North Holland, Netherlands) AK-MAK-1291; RM001.collect.910; Bruikleen van de Vereniging van Vrienden der Aziatische Kunst

Creation: Tamil Nādu (India)

**Mat & Tech:** bronze founding

**Index:**
bronze (metal) | founding

**Dimensions:**
40 cm (height) x 24cm (width) x 10.5 (depth)

**Events:**
exhibition: Metamorfoze/Geheugenproject Willem Witsen

**Cultures:**
Indian Chola

**General Subject:**
human figures (preferred )
religion and mythology

**Specific Subjects:**
Shivá (Hindu iconography)
mudrā (pose, <visual and representational concepts>)

[link to Iconclass]

**Contributors & Sources:** [Rijksmuseum;VP]; Rijksmuseum XML file

---

Examples are for item-level cataloging
Group-level records also included in CONA

CONA is linked to AAT, TGN, ULAN, IA, and other CONA records

---

**Sample record: Movable work**

**Locations:**
ULAN
TGN

**Current:**
Rijksmuseum (Amsterdam, North Holland, Netherlands) AK-MAK-1291; RM001.collect.910; Bruikleen van de Vereniging van Vrienden der Aziatische Kunst

**Creation:**
Tamil Nādu (India)

**Mat & Tech:** bronze founding

**Index:**
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**Dimensions:**
40 cm (height) x 24cm (width) x 10.5 (depth)

**Events:**
exhibition: Metamorfoze/Geheugenproject Willem Witsen

**Cultures:**
Indian Chola

**General Subject:**
human figures (preferred )
religion and mythology

**Specific Subjects:**
Shivá (Hindu iconography)
mudrā (pose, <visual and representational concepts>)

[link to Iconclass]

**Contributors & Sources:** [Rijksmuseum;VP]; Rijksmuseum XML file
**CONA ID** 700002923

**Titles/Names**
- Temple of Earth (en)
- Temple of the Earth (Beijing) (en)
- Di Tan (zh-tr)
- Ditán (zh-tr)
- 地坛 (zh)
- Địa Dan (vi)
- 地壇 (ja)

Built Work: Temple of Earth

<table>
<thead>
<tr>
<th><strong>Work Type:</strong></th>
<th>building complex temple</th>
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</thead>
<tbody>
<tr>
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<td>1530</td>
</tr>
<tr>
<td><strong>Creators:</strong></td>
<td>unknown Chinese architect; patron: Ming Shizong, Emperor of China</td>
</tr>
<tr>
<td><strong>Location:</strong></td>
<td>Beijing (Beijing Shi (municipality), China) (nation)</td>
</tr>
<tr>
<td><strong>Address Note:</strong></td>
<td>39°57′05″N 116°24′36″E</td>
</tr>
</tbody>
</table>

**Materials:** masonry construction; various materials

**Dimensions:**
site: 40 hectares; square footprint

**General Subject:**
architecture Type: isness; religion and mythology

**Extent:**
purpose

**Specific Subject:**
Earth

**Extent:** dedication

**Note:** The Temple of the Earth is located in the northern part of central Beijing, just a few hundred yards ...

**Contributors:** Avery; JPGM; VP

**Sources:**

CONA is linked to AAT, TGN, ULAN, IA, and other CONA records

**CC-By J. Paul Getty Trust**

**Getty Vocabularies: Update for ITWG 2017**

**August 2017**
**CONA Issues and Status**

- **CURRENT PRIORITIES:** Ongoing development of LOD format, so it may be linked to broader world (*related to in-house Getty JPGM, Special Collections, and Provenance Index*)
  - Rather arduous process: standards are evolving; priorities of technical efficiency vs. scholarly integrity (e.g., sourcing of data) must be balanced with technical = data must be usable and used
- **Outside projects (e.g., PHAROS)**
CONA Issues and Status

- Focus on improving searching
- Improvement to online access and better statistics for loading
- Improvement in auto-linking

Clearing the bottleneck

CONA record, creator

<table>
<thead>
<tr>
<th>Person/Corp Label</th>
<th>ULAN ID</th>
<th>Role</th>
<th>Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Koenig, Pierre (American architect, 1925-2004)</td>
<td>500086520</td>
<td>architect/30010</td>
<td></td>
</tr>
</tbody>
</table>

link to ULAN
CONA Issues and Status

Clearing the bottleneck and encouraging contributions

Although each CONA record may contain dozens of fields of rich information, relationships, and links to other resources, the minimum required information for contribution comprises the following:

- title(s)/name(s)
- source of title
- creator
- work type
- date
- current location
- repository ID, if any
- materials
- dimensions
- subject

Default values are supplied where contributor may be missing data
CONA Issues

- Working with contributions of various types of works
  GRISC (1,300 prints), JPGM
  Rijksmuseum, National Palace Museum
  Taipei, Staatliche Museen zu Berlin, BWR, and others

- Working out editorial rules with real data
  • Formatting of data and controlled lists in records
  • Uncertainty = unidentified named
  • Relationships are critical, former works
  • Subjects provide added value
  • Links to Vocabs, Descriptive Title provide added value
CONA as Linchpin

- Pitching CONA to contributors and users
- Focusing on vocabularies as used at the Getty:
  - CONA will be the “linchpin” in a meaningful LOD strategy at the GRI
- How CONA is different: links, vetted compiled data
- More focused contributions vs. opportunistic
- Open sources of contributions
Broadened Scope of CONA: Major subdivisions

**Built Works**
- **Structures or parts of structures** that are the result of conscious construction, are of practical use, are relatively stable and permanent, and are of a size and scale appropriate for—but not limited to—habitable buildings

**Movable Works**
- The **visual arts and other cultural works** that are of the type collected by art museums and special collections, or by an ethnographic, anthropological, or other museum, or owned by a private collector; Examples **include paintings, sculpture, prints, drawings, manuscripts, photographs, ceramics,** textiles, furniture, and other visual media such as frescoes and architectural sculpture, performance art, archaeological artifacts, and various functional objects that are from the realm of material culture and of the type collected by museums

**Visual Surrogates**
- **Images and three-dimensional works intended to be surrogates for the works depicted**, for example **study photographs**; does not include works considered themselves works of art (e.g., Julius Shulman)

**Conceptual Works**
- **Multiples: records for series as a concept**, conceptual records for multiples (made from same plate, negative, mold, etc.), and other similar records; physical works, such as prints that belong to a series, may be linked to conceptual record for the series (similar to FRBR “work”)

**Unidentified Named Works**
- **Works described in archival inventories or other sources**, but their identity is not established (e.g., Provenance Index inventories, or named architecture in finding aids)
CONA combines information about the work from different sources

Demonstrating how does CONA differ from a simple linking of information from the separate repositories?

- Provides indexing with the Getty vocabularies
- Data is normalized and more consistently fielded
- Subject indexing and descriptive titles are important value added
- Represents the information known about the work, not only the opinion of the repository
- Not only information for works in repositories, but also the following:
  - built works
  - lost works, ephemeral works
  - works never built
  - reconstructed works
  - multiples (conceptual works)
- Links out to the open environment
CONA ID: 700002850
Catalog Level: item
Classification: vessels

Work Type: vase
Title: Blue and White Glazed Globular Vase
Creator: unknown Chinese
Creation Date: 1403/1424 CE
General Subject: utilitarian objects
Specific: animal, dragon
Current Location: National Palace Museum (Taipei, Taiwan)
Repository Number: 012547N000000000

Dimensions: 42.9 cm high and 9.7 cm diameter; foot diameter 15.8 cm
Mat & Tech: blue and white porcelain | porcelain (material) | blue-and-white (ceramic glaze)

Multilingual access
CONA links work records to the Getty vocabularies for multilinguality

CONA ID: 700002850
Catalog Level: item
Classification: vessels

Work Type: vase
Title: Blue and White Glazed Globular Vase
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General Subject: utilitarian objects
Specific: animal, dragon
Current Location: National Palace Museum (Taipei, Taiwan)
Repository Number: 012547N000000000

Dimensions: 42.9 cm high and 9.7 cm diameter; foot diameter 15.8 cm
Mat & Tech: blue and white porcelain | porcelain (material) | blue-and-white (ceramic glaze)
CONA ID: 700000178
Catalog Level  item
Classification  paintings
Work Type  panel painting | altarpiece
Title  Adoration of the Magi

Adorazione dei Magi (repository title)
Creator  Bartolo di Fredi (Sienese painter, active by 1353, died 1410)
Creation Date [display]  1380s/1390s; some scholars date it ca. 1400 or later
execution  Start Date 1380  End Date 1399
alternative date  Start Date 1395  End Date 1409
General Subject  religion and mythology | human figures
Specific | Adoration of the Magi Extent: foreground |
Siena | horses | Holy Family | gold | frankincense | myrrh |
Journey of the Magi Extent: background | king | deity |
dead | Epiphany | Three Ages of Man
Current Location  Pinacoteca Nazionale di Siena (Siena, Italy);
Repository No  no. 104
Dimensions  195 x 158 cm (76 x 61 5/8 inches)
Mat & Tech  tempera on panel
Contributors  BHA  VP  CD  PNS  GRI-PA
Sources  Pinacoteca Nazionale di Siena (2002-); Boucher and Fiorini, Magi
Reconstructed (2012); Cole, Sienese Painting (1985); Freuler, Bartolo di Fredi (1994);
Harpring, Bartolo di Fredi (1992)

Multiple opinions are captured

Date assigned by the repository is not agreed upon by all scholars, both recorded in CONA
<table>
<thead>
<tr>
<th><strong>CONA ID:</strong></th>
<th>700000178</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Catalog Level:</strong></td>
<td>item</td>
</tr>
<tr>
<td><strong>Classification:</strong></td>
<td>paintings</td>
</tr>
<tr>
<td><strong>Work Type:</strong></td>
<td>panel painting</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Adoration of the Magi (repository title)</td>
</tr>
<tr>
<td><strong>Creator:</strong></td>
<td>Bartolo di Fredi (Sienese painter, active by 1353, died 1410)</td>
</tr>
<tr>
<td><strong>Creation Date [display]:</strong></td>
<td>1380s/1390s; some scholars date it ca. 1400 or later</td>
</tr>
<tr>
<td><strong>Execution Start Date:</strong></td>
<td>1380</td>
</tr>
<tr>
<td><strong>End Date:</strong></td>
<td>1399</td>
</tr>
<tr>
<td><strong>Alternative date Start Date:</strong></td>
<td>1395</td>
</tr>
<tr>
<td><strong>End Date:</strong></td>
<td>1409</td>
</tr>
<tr>
<td><strong>General Subject:</strong></td>
<td>religion and mythology</td>
</tr>
<tr>
<td><strong>Specific:</strong></td>
<td>Adoration of the Magi</td>
</tr>
<tr>
<td></td>
<td>Siena</td>
</tr>
<tr>
<td></td>
<td>Journey of the Magi</td>
</tr>
<tr>
<td><strong>Current Location:</strong></td>
<td>Pinacoteca Nazionale di Siena (Siena, Italy);</td>
</tr>
<tr>
<td><strong>Repository No:</strong></td>
<td>no. 104</td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>195 x 158 cm (76 x 61 5/8 inches)</td>
</tr>
<tr>
<td><strong>Mat &amp; Tech:</strong></td>
<td>tempera and gold leaf on panel</td>
</tr>
<tr>
<td><strong>Contributors:</strong></td>
<td>BHA VP CD PNS GRI-PA</td>
</tr>
<tr>
<td><strong>Sources:</strong></td>
<td>Pinacoteca Nazionale di Siena (2002-); Boucher and Fiorini, Magi Reconstructed (2012); Cole, Sienese Painting (1985); Freuler, Bartolo di Fredi (1994);</td>
</tr>
</tbody>
</table>
Data that may not be captured in other resources

Creators and patronage

CONA ID 700000214 Classification architecture
Work Type mausoleum
Titles Taj Mahal

Creator Display:
architect: Ustad Ahmad Lahauri (Indian architect, ca.1580-1649);
patron: Shah Jahan (Mughal emperor, born ca. 1592)

Creation Date 1632-1653
General Subject architecture Type: isness
Specific burial Extent: purpose | Mumtaz Mahal Extent: dedication | Shah Jahan Extent: dedication
Current Location Agra, Uttar Pradesh, India : 27°10′30″N 78°02′31″E
Dimensions height: 561 feet (171 m)
Mat & Tech: white marble

Patronage may not be recorded in some DBs; often, architect is unknown so patronage is critical
Data that may not be captured in other resources

**Anonymous masters & Unknown creators**

<table>
<thead>
<tr>
<th>CONA ID</th>
<th>700008567</th>
<th>Classification</th>
<th>ceramics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Type</td>
<td>vessel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titles</td>
<td>Vulture Vessel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Creator Display:** unknown Aztec

*Cultural Group: [ULAN 500202913]*

<table>
<thead>
<tr>
<th>Creation Date</th>
<th>1200/1521</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Subject</td>
<td>utilitarian objects</td>
</tr>
<tr>
<td>Indexing Type</td>
<td>isness</td>
</tr>
<tr>
<td>religion and mythology</td>
<td></td>
</tr>
<tr>
<td>Specific Subject</td>
<td>New World vulture (Cathartidae (family))</td>
</tr>
<tr>
<td>Creation Place</td>
<td>Mexico</td>
</tr>
<tr>
<td>Dimensions</td>
<td>height: 8 3/4 inches</td>
</tr>
<tr>
<td>Mat &amp; Tech</td>
<td>ceramic</td>
</tr>
<tr>
<td>Culture</td>
<td>Aztec</td>
</tr>
</tbody>
</table>

Attribution to a culture is done differently by different repositories; in CONA is normalized to allow good retrieval.
Data that may not be captured in other resources

Methods of creation

CONA ID 700008575 Catalog Level: volume
Class: manuscripts and rare books  Work Type: codex
Title: Anaphora of the Virgin Mary
Creator: unknown Egyptian; author: attributed to Abba Heryagos (Cyriacus) of Behensa (Egyptian bishop, 5th-6th century)
Current Location: Princeton University Library (Princeton, New Jersey)
Manuscripts Division: Robert Garrett Collection
Call number: Garrett Ethiopic 32

**Mat & Tech Display:** ink on parchment
**Extent:** leaves
**Role:** medium

**Mat & Tech:** ink  **Flag:** material
**Role:** support

**Mat & Tech:** parchment  **Flag:** material
**Extent:** binding

**Mat & Tech:** Coptic binding  **Flag:** technique

Description: Manuscript copy of the "Qeddase Maryam"

Collections management systems often do not record to the level of detail desired by researchers.
Data that may not be captured in other resources

**Purpose and method of representation**

Data important to study of architectural drawings and other specific areas of study may be included

Classification: architectural drawings  Work Type: conceptual drawing  perspective drawing  
Title: Falling Water  
Title: Perspective drawing of Edgar J. Kaufmann House  
Creator: Frank Lloyd Wright  
Location: The Frank Lloyd Wright Foundation Archives (The Museum of Modern Art | Avery

**CONA ID:** 700008557  **Catalog Level:** item  
**Classification:**  • prints and drawings

**Work Type:**
- architectural drawing  
- perspective drawing  
- conceptual drawing

method of representation

purpose
Subject access in CONA records

CONA adds subject access to work records

Controlled by AAT, ULAN, TGN, CONA, and IA

**IA ID 1000045**

*Names*
- Xibalba
- Place of Fear

**ULAN ID 500329587**

*Names*
- Unen Bahlam
- Baby Jaguar

**AAT ID 300191778**

*Terms*
- skeleton [English]
- beendergestel [Dutch]
- esqueleto [Spanish]
- squelette [Italian]
- 骨架 [Chinese]

**CONA ID 70000012**

Class: Pre-Colombian art

Work Type: vessel

Title: Vessel with Mythological Scene

Creator Display: unknown Maya

Current Location: Metropolitan Museum of Art (New York, New York, USA)

ID: 1978.412.206

Role: artist

*Creation Date: 8th century*

Start: 0700
End: 0799

*Subject display: Scene in the realm of the Lords of Death, with Baby Jaguar and a skeleton*

*Creation Location: Petén Department (Guatemala)*

**Measurements:**
- Height: 14 cm

*Mat & Tech: Terracotta*

*Techniques: Vase painting*

**Description:**
Straight-sided ceramic vessels with painted decoration comprising complex scenes were common in eighth-century Maya art. The "codex-style" painting depicts a scene in the realm of the Lords of Death, where a dancing figure holds a long-handled axe and a handstone. On a monster-head altar lies Baby Jaguar, a deity figure, and beside the altar is a dancing, a skeletal death figure. The meaning has been variously interpreted as depicting either sacrifice or celebration.

**Depicted subject**

- As known and verified in a recent survey by OCLC, subject access is a) missing from most museum records, and b) one of the most important fields for retrieval by users
- CONA could fill that gap by providing subject indexing
- Automated plus editor vetted; mining titles, etc.; experts and expert crowd sourcing

**General Subject:**
- religion and mythology

**Specific Subjects:**
- Xibalba (Mayan underworld) [*IA 1000045*]
- Baby Jaguar (Mayan king, ruled ca. 317 BCE) [*ULAN 500329587*]
- man (male human) [*AAT 300025928*]
- skeleton (animal component) [*AAT 300191778*]
- ax (weapon) [*AAT 300024664*]
- altar [*AAT 300003725*]
- death [*AAT 300151836*]
- celebration [*AAT 300152441*]
Walt Disney Concert Hall, Frank Gehry (American, born 1929 in Canada), 1989 - 2003 (Los Angeles, California)

Relationships may be complex. Reciprocal? Or “Subject of”? 

Drawings

Models

Photographs

Built Work

Preparatory for

Depicts

Subject
Hierarchical relationships

Example of a volume containing photographs (CONA ID 700008356), each cataloged as an item and linked to the whole

Example here includes item-level cataloging, but item-level cataloging is not required; group-level cataloging records may be included in CONA

Various IDs for the work are captured

Delhi (album (book); Felice Beato (British, 1832-1909); ca. 1857; J. Paul Getty Museum; 2007.26.204)

CONA 700008356

.... Arch in Kootub (albumen print; Felice Beato; 2007.26.204.60) CONA 700007952
.... Arch in Kootub (albumen print; Felice Beato; 2007.26.204.8) CONA 700007900
.... Barren Landscape with Fortress, Delhi (albumen print; Charles Moravia; 2007.26.204.33) CONA 700007925
.... Cashmere Gate (albumen print; Felice Beato; 2007.26.204.42) CONA 700007934
.... Cashmere Gate. Front view (albumen print; Felice Beato; 2007.26.204.21) CONA 700007913
.... Delhi Mahoumudan (albumen print; Felice Beato; 2007.26.204.2) CONA 700007894
.... Detail View of the Pillar of Kootub (albumen print; Charles Moravia; 2007.26.204.47) CONA 700007925
.... Distant View of Kootub (albumen print; Felice Beato; 2007.26.204.45) CONA 700007937
.... Entrance to an unidentified tomb (albumen silver print; Charles Moravia; 2007.26.204.15)
.... Entrance to the Large Mosque of Jumma Musjid in Delhi (albumen print; Felice Beato; 2007.26.204.5)
.... Exterior of the Crystal Throne in the Dewan-i-Khas (albumen print; Charles Moravia; 2007.26.204.17)
.... Exterior of the Hindu Temple in Kootub (albumen print; Charles Moravia; 2007.26.204.52)
.... Exterior of the Hindu Temple in Kootub (albumen silver print; Charles Moravia; 2007.26.204.46)
.... Flag Staff Battery (albumen print; Felice Beato; 2007.26.204.25)
.... Grand Breach at the Cashmere Bastion (albumen print; Felice Beato; 2007.26.204.41)
.... Hindoo Nao's House (albumen print; Felice Beato; 2007.26.204.38)
.... House where King was Confined in the Palace (albumen silver print; Felice Beato; 2007.26.204.38)
.... Interior of the Crystal Throne in the Dewan-i-Khas (albumen print; Charles Moravia; 2007.26.204.17)
Historical Hierarchical Relationships

Disassembled works

- Reconstructed disassembled works held in different repositories or locations
- Common with manuscripts, paintings, sculpture, architecture, etc.
- May be varying opinions on reconstructions

<table>
<thead>
<tr>
<th>Work</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asciano Altarpiece</td>
<td>National Gallery</td>
</tr>
<tr>
<td>Archangel Gabriel [N]</td>
<td>London, Siena</td>
</tr>
<tr>
<td>Assumption of the Virgin [N]</td>
<td>Asciano, Villa I</td>
</tr>
<tr>
<td>Saint Agatha and Saint Lucy [N]</td>
<td>Tatti, Esztergom,</td>
</tr>
<tr>
<td>Saint Augustine [N]</td>
<td>Altenburg, Rhode</td>
</tr>
<tr>
<td>Saint Jerome [N]</td>
<td>Island, and Private Collections.</td>
</tr>
<tr>
<td>Saint Michael the Archangel [N]</td>
<td>Collections.</td>
</tr>
<tr>
<td>Saint Monica praying for the conversion of her son Augustine [N]</td>
<td>Collections.</td>
</tr>
<tr>
<td>Saint Nicholas of Bari [N]</td>
<td>Collections.</td>
</tr>
<tr>
<td>Virgin Annunciate [N]</td>
<td>Collections.</td>
</tr>
</tbody>
</table>
**Associative Relationships**

Lost or destroyed works (ephemeral works)

CONA ID 700001288  Class.: architecture

**Work Type:** triumphal arch  
(memorial arch)

**Title:** Arc de Triomphe du Trône

Location: Paris (France)

Creator: based on designs by Charles Perrault  
(French architect, 1613-1688), built by Claude Perrault  
(French architect, physician, scientist, 1613-1688)

Date: begun 1670, demolished 1716

Materials: stone and plaster

Dimensions: unavailable

General subject: architecture  Type: isness

Specific Subject: Louis XIV  Extent: honoree

ephemeral structure  Extent: purpose

Print from GRI and drawing from Paris linked to a record for the now-destroyed ephemeral work.
Unrealized works

Group of drawings and other documents linked to the work they describe, but which was never built

Work never built

CONA ID 7000xxxx
Class: drawings Work Type: unrealized work
Title: Pyramid Lincoln Memorial
Creator: John Russell Pope
Materials: masonry construction
Location:

designs for
CONA ID 700000091  Cat. Level: item  Class: prints  Work Type: color woodcut  Title: Great Wave at Kanagawa  Creator: Katsushika Hokusai (Japanese, 1760-1849)  published by Nishimura Eijudo (Japanese, 19th century)  Mat & Tech: woodcut, polychrome ink and color on paper  Dimensions: 25.7 x 37.9 cm (10 1/8 x 14 15/16 inches)  Subject: landscape  Specific: Mount Fuji  ocean  Print at a museum or special collection is cataloged as an item

Conceptual works
Multiples, Series of works

Unique physical item is linked to conceptual record for the print as a concept, which in turn is linked to a series
CONA ID 700000091 Cat. Level: item   Class: prints   Work Type: color woodcut
Title: Great Wave at Kanagawa; Creator: Katsushika Hokusai (Japanese, 1760-1849); published by Nishimura Eijudo (Japanese, 19th century)
Mat & Tech: woodcut, polychrome ink and color on paper
Dimensions: 25.7 x 37.9 cm (10 1/8 x 15")
Current Location: Metropolitan Museum of Art, New York, New York, USA

CONA ID 700008518
Cat. Level: series
Class: prints
Work Type: color woodcuts
Title: Thirty-six Views of Mount Fuji: First Series
Creator Display: Katsushika Hokusai (Japanese, 1760–1849); published by Eijudo Japan
Dimensions: 36 prints, average plate size: 24  x 37 cm
Mat & Tech: woodcuts, polychrome ink and color on paper
Description: Hokusai produced two series of Views of Mt. Fuji. This is the first series

--- series ---

Unique physical item is linked to conceptual record for the print as a concept, which in turn is linked to a series

--- relationships ---

Conceptual works
Multiples, Series of works

Other items were made from the same blocks; a conceptual record for the print may link them all together; and to a series

******** Thirty-six Views of Mount Fuji: First Series
******** Great Wave off Kanagawa (multiple)
******** L’arc de la vague au large de Kanagawa [N]
******** The Great Wave [N]
******** The Great Wave off Kanagawa [N]
******** Under the Wave off Kanagawa [N]
******** Under the Wave off Kanagawa [N]
******** Under the Wave off Kanagawa [N]
******** Under the Wave off Kanagawa [N]

--- series ---
Deaccessioned works
Works in exhibitions

- Deaccessioned works

Works in exhibitions, not owned by repository hosting the exhibition

JPGM could record deaccessioned works in CONA
No longer in their collections management system

Can also record works at a repository for exhibitions

loaned to JPGM from Kröller-Müller Stichting (Otterlo, Netherlands)
Works depicted in visual surrogate

Photograph in Photo Archive depicts a painting, which in turn is a copy after another painting destroyed in a fire.

Destroyed work

lost painting by Rubens

Velázquez et al copy after Rubens

depicts

depicts

author: Patricia Harpring
August 2017

Pharos (pharosartresearch.org)

Study photographs of Dutch paintings and drawings (post-1600) (photographic prints; undecipherable) Equestrian Portrait of Philip IV (study photograph; unknown photographer; unknown)

8/16/2017
Works described in historical documents but not identified

Work listed in an inventory is unidentified; CONA may contain the information for this unidentified work

"Paese" in an inventory, attributed to a "Brueghel", but the precise work is undetermined
New challenges as CONA incorporates non-Western art and architecture

Rubbings are important works in themselves in Chinese museums; how to catalog them?

Title: Rubbing of Stone Relief from Wu Liangzi shrine, Shandong
Work Type: rubbing
Current Location: Henan Museum
Creator: unknown Chinese
Date: 1850
Materials: ink on paper, rubbing
General Subject: another work | history and legend
Specific Subject: Wu Family Shrine (shrine; original location: Shandong province) | battle

Title: Wu Family Shrine
Work Type: shrine | complex (buildings)
Current Location: Location Type: destroyed
Location: Shandong province, China
Creator: various artists
Style/Period: Han Dynasty
Date: 206 BCE-211 CE
Materials: masonry construction
General Subject: architecture
Indexing Type: isness
| funerary
Specific Subject: Wu family (Chinese family) |
Update and Issues

IA
GETTY
ICONOGRAPHY AUTHORITY
IA, the Getty Iconography Authority
Names, relationships, dates, other attributes, for named historical events, religious/mythological iconography, fictional characters and places, themes from literature
(e.g., Adoration of the Magi, Zeus, French Revolution, Der Ring des Nibelungen, Reclining Buddha)

- Includes the proper names of depicted subjects not covered by other Getty vocabularies
- Thesaurus structure, links to Getty vocabularies, model from CDWA/CCO
- The IA is a module within CONA to support work records; over time, it could become a stand-alone authority through contributions
Sample record

ID: 1000085

Names:
Avalokiteshvara
Avalokiteśvara
अवलोकितेश्वर
Spyan ras gzigs

Qualifier:
Buddhist bodhisattva

Links to other vocabs
role/characteristic is ... bodhisattva
symbolic attribute is ... lotus
culture/religion is ... Mahayana (Buddhism)
culture/religion is ... Theravada (Buddhism)

Associative Relationships
associated with .... Krishna (Hindu iconography)
counterpart is .... Guanyin (Buddhist bodhisattva)

Note
The bodhisattva of infinite compassion and mercy; embodies the compassion of all Buddhas. This bodhisattva is portrayed in different cultures as either female or male...

Hierarchical Relationships
Top of the IA hierarchies
Legend, Religion, Mythology
Buddhism
Buddhist characters
Avalokiteshvara (Buddhist bodhisattva)

Contributors & sources
[VP] Encyclopedia Britannica Online (2002-); Bowker, Oxford Dictionary of World Religions (1997);
Huntington, Art of Ancient India (1985); LC: LC control no.: sh85010492

Author: Patricia Harpring
August 2017
IA Issues and Status

• Now is a module within CONA
• Interest by contributors to contribute directly to the IA: INHA, Buddhist iconography, Pre-Columbian, others
  • Hongxing Zhang (Senior Curator of Chinese painting, Victoria and Albert, State Administration of Cultural Heritage (SACH) in Beijing and Academia Sinica

• No comparable source for subject access exists, global in scope
• Includes links to other resources, e.g., LOC authorities, Iconclass, Princeton Index

• CURRENT PRIORITIES: We are open to contributions
Editorial guidelines for Contributions

http://www.getty.edu/research/tools/vocabularies/guidelines/cona_3_6_3_subject_authority.html#3_6_3_1_iconography_authority

- Contributions in spreadsheets
- Consult with Voca regarding fields included
- Minimum fields below

<table>
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<th>PARENT</th>
<th>REC TYPE</th>
<th>IA ID</th>
<th>NAMES</th>
<th>LANG</th>
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</table>
IA Issues and Status

- Recently accessible from search screen
- Hierarchical views
- Results list
- Full record views
- Links to other vocabularies
- Links to images
IA facets
Topics not in other Getty vocabularies

Top of the IA Hierarchies

- Legend, Religion, Mythology
- Literature and Performing Arts
- Miscellaneous Topics
- Named Events
- x holding: editorial check/General initial holding

Named Events
- <African history>
- <Ancient history (Egyptian, Greek, Roman, etc.)>
- <Asian history>
- <European history>
- <Named historical events>
- <Named exhibitions>
- <Named natural events>

Miscellaneous Topics
- <Miscellaneous Allegory, Symbolism, Theme>
- <Miscellaneous Characters>
- <Miscellaneous Legendary Places>
- <Miscellaneous Themes and Narratives>

Named auctions

Legend, Religion, Mythology
- <Buddhist iconography>
- <Buddhist allegory, symbolism, theme>
- <Buddhist characters>
- <Buddhist legendary places>
- <Buddhist narratives>
- <Old Testament iconography>
- <Pacific Islander iconography>
- <Persian iconography>
- <Prehistoric iconography>
- <Roman iconography>
- <Semitic iconography>
- <Taoist iconography>
- <Tribal African iconography>
Providing access

Clearing the bottleneck

- “holding” records, available for linking as subject_id unlikely to change

- “Holding” is separate here and in all vocabularies from “Candidate Records,” which are so rudimentary or out of scope that they are not published

Top of the IA Hierarchies

- .......... Named Events
- .......... <European history>
- ........... <holding: editorial check/European history>
- ................ Battle of Balaklava (European history, 1854)
- ................ Battle of Jena (European history, 1806)
- ................ Battle of Jutland (European history, 1916)
- ................ Battle of Las Navas de Tolosa (European history, 1212)
- ................ Battle of Tannenberg (European history, 1410)
- ................ Battle of the First of June (European history, 1794)
- ................ Battle of the Golden Spurs (European history, 1302)
- ................ Battle of the Somme (European history, 1916)
- ................ Black Death (European history, plague, 1346-1353)
- ................ <British history>
- ................ Burgundian Wars (European history, 1474-1477)
Relationships in IA

- Hierarchical
- Equivalence (synonyms)
- Associative (IA to IA)
- Other: IA to AAT, TGN, ULAN, CONA

### IA to IA

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<tr>
<td>5116</td>
<td>is basis of</td>
<td>5115</td>
<td>based on</td>
</tr>
</tbody>
</table>

**Related Iconography:**

meaning/usage overlaps with .... Hel

.........(Legend, Religion, Mythology, Norse iconography, [1001116])
Relationships in IA

- Hierarchical
- Equivalence (synonyms)
- Associative (IA to IA)
- Other: IA to AAT, TGN, ULAN, CONA

ID: 1000707

Record Type: Character/Person

Anubis (Egyptian deity)

Note: Ancient Egyptian god of the dead, represented by a jackal or the figure of a man with the head of a jackal. The oldest known reference to Anubis is in the Pyramid Texts of the Old Kingdom (ca. 2686-ca. 2181 BCE).

Display Date: before 2686 BCE

Names:
- Anubis (Egyptian deity) (preferred English-P,D,N)
- Anpu (Egyptian deity) (English-I,N)
- Ανους (Egyptian deity) (Greek-I,N)

Hierarchical Position:
- Legend, Religion, Mythology [P]
- Egyptian Mythology [P]

Other Relationships:
- role/characteristic is .... deities
- .....(people in religion, people in religion and related occupations, people in people (agents), People (hierarchy name)) (AAT)
- culture/religion is .... Egyptian (ancient)
- .....(Mediterranean (Early Western World), Early Western World, styles, periods (hierarchy name)) (AAT)
- takes the form of .... jackals
- .....(Canis (genus), Canidae (family), Carnivora (order), Mammalia (class), (phylum), Animalia (kingdom), Eukaryota (domain), living organisms (entity) (AAT)

Encyclopedia of World Religions (1997)

Anpu (Egyptian deity)

Anpu (Egyptian deity) (Galen, Taking Possession of the Body, 30 AD)
Relationships in IA

- Hierarchical
- Equivalence (synonyms)
- Associative (IA to IA)
- Other: IA to AAT, TGN, ULAN, CONA
Relationships in IA

- Hierarchical
- Equivalence (synonyms)
- Associative (IA to IA)
- Other: IA to AAT, TGN, ULAN, CONA

Other Relationships:
- role/characteristic is ... wars
- located in ... China
- belligerent was ... Britain
- actor is ... Qing Dynasty
- belligerent was ... France
Relationships in IA

Related Iconography:
actor is .... Jesus Christ
...........(Legend, Religion, Mythology, Christian iconography, Christian characters, Blessed Virgin Mary (Christian character)) [1000087]
actor is .... Blessed Virgin Mary
...........(Legend, Religion, Mythology, Christian iconography, Christian characters, Blessed Virgin Mary (Christian character)) [1000032]
source is .... Bible, New Testament
...........(Literature and Performing Arts, Named written and performed works, Literary works: Philosophy, Religion, temp.parent Judaism, Christianity), Bible, New Testament (Biblical books, sacred texts)

Other Relationships:
affiliated/associated with .... Candlemas
.....(Christian holidays, religious holidays, holidays, events (activities), E culture/religion is .... Christianity
.....(religions (belief systems, cultures), religions and religious concepts, topic is .... ablutions
.....(rituals (events), events (activities), Events (hierarchy name)) (AAT)
located in ..... First Temple of Jerusalem
.... temple (building); unknown Jewish architects, patron: Solomon, (CONA)

• Hierarchical
• Equivalence (synonyms)
• Associative (IA to IA)
• Other: IA to AAT, TGN, ULAN, CONA
EXAMPLE
Relationships may be complex

[IA 1000384]
Names:
Hell (Christian iconography) (preferred, English) [term 5000533]
Hades (Christian iconography) [term 5001369]

Desc. Note: In Christian doctrine, the place of punishment for the damned, including demons and humans.

[IA 1000849]
Names:
Hades (Greco-Roman legendary place)(preferred, English) [term 5001029]

Desc. Note: The kingdom of the god Hades, the lower world and the abode of departed spirits or shades.

Homographs: No direct relationship
EXAMPLE

Relationships may be complex

[IA 1000384]

Name: Hell (Christian legendary place)

Desc. Note: In Christian doctrine, the place of punishment for the damned, including demons and humans.

Hierarchical Relationship:
Iconography Root [IA 1000000]
......Religion, Mythology, and Legend [IA 1000002]
...........Christian iconography [IA 1000024]
.............Christian fictional places [IA 1000956]
...............Hell (Christian legendary place) [IA 1000384]
................Mouth of Hell (Christian legendary place) [IA 1000316]

Desc. Note: In Christian iconography, the entrance to Hell. Envisaged as the gaping mouth...
EXAMPLE

Relationships may be complex

[IA 1000384]
**Name:** Hell (Christian legendary place)
**Desc. Note:** In Christian doctrine, the place of punishment for the damned, including demons and humans.

**Associative Relationship** [Link to IA]:
**Type:** location of Descent into Hell (Life of Christ) [IA 1000383]

**Link to AAT:**
**Type:** role/attribute hell (doctrinal concept) [AAT 300185657]

Link to AAT: Designating the role/attribute = “hell”

Associative Relationship: a direct relationship

**Desc. Note:** The triumphant descent of Christ into hell or limbo between the time of his Crucifixion and his Resurrection, when …

**Scope Note:** Place or state of extreme or eternal suffering, usually inflicted as punishment upon the wicked or the nonbelieving, common to several religions and mythologies…
EXAMPLE

Relationships may be complex

[IA 1000384]
**Name:** Hell (Christian legendary place) (preferred, English)
**Desc. Note:** In Christian doctrine, the place of punishment for the damned, including demons and humans.
**[Link to AAT]**
**Type:** role/attribute
hell (doctrinal concept) [AAT 300185657]

- IA records for hell and the underworld in different cultures are not linked directly to each other
- But can be retrieved on search through AAT:
  - for IA records having
    Type: role/attribute and
    Link to the AAT hell and its related concepts, which are underworld and hereafter

[IA 1000849]
**Names:** Hades (Greek and Roman legendary place)(pref., English)
**Desc. Note:** The kingdom of the god Hades, the lower world and the abode of departed spirits or shades.
**[link to AAT]**
**Type:** role/attribute
underworld (doctrinal concept) [AAT 300343823]

[IA 1001123]
**Names:** Diyu (Chinese legendary place)(preferred, English)
地獄 (Chinese)
**Desc. Note:** Realm of the dead in Chinese mythology. It is loosely based on a combination of the Buddhist concept of Naraka, traditional Chinese beliefs about the afterlife, and a variety of popular traditions.
**[link to AAT]**
**Type:** role/attribute
hell (doctrinal concept) [AAT 300185657]
**Associative Relationship:** Type: associated with Naraka [IA 1001121]

[IA 1000045]
**Names:** Xibalba (Mayan legendary place) (preferred, English)
**Desc. Note:** Mayan underworld, described in the Popol Vuh as a court below the surface of the Earth associated with death and with twelve gods or powerful rulers.
**[link to AAT]**
**Type:** role/attribute
underworld (doctrinal concept) [AAT 300343823]

[IA 5001367]
**Names:** Hel (Norse legendary place) (preferred, English)
**Desc. Note:** In Norse iconography, the home of the goddess Hel and place of the afterlife. A place of varying descriptions, described as a destination after death. Later combined with the concept of Niflheim.
**[Link to AAT]**
**Type:** role/attribute
hereafter (place, doctrinal concept) [AAT 300404168]
**Associative Relationship:** Type: meaning/usage overlaps Niflheim [IA 1000094]
IA linked to other resources: LOC

ID: 1001467

Indian Mutiny (Indian history, 1857-1859)

Note: Uprising against the rule of British East India Company in India, dating May 1857-July 1859.

Display Date: 1857-1859

Names:

- Indian Mutiny (Indian history, 1857-1859) (preferred, English-P)
- Sepoy Mutiny (Indian history, 1857-1859) (English)
- Sepoy Rebellion (Indian history, 1857-1859) (English)
- Indian Rebellion of 1857 (Indian history, 1857-1859) (English)

Hierarchical Position:

- Named Events (P)
- <Asian history> (P)
- ....<Asian history> editorial check/Asian history, Named Events> (P)
- ....Indian history (P)
- ..........Indian Mutiny (Indian history, 1857-1859) (P)

Other Relationships:

- actor is ....Bhurat
- .....<Asia> (TGN)
- actor is ....United Kingdom
- .....<Europe> (TGN)
- role/characteristic is ....rebellions
- .....<political events, events (activities), Events (hierarchy name)> (AAT)

Sources:

- Indian Mutiny [Indian history, 1857-1859]
- J. Paul Getty Museum, collections online (2000-)

LC control no.: sh85064921

LCCN Permalink: https://lccn.loc.gov/sh85064921

HEADING: India History Sepoy Rebellion, 1857-1858

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035 __ | a (DLC)78352
040 | a DLC c DLC dl DLC
151 | a India x History y Sepoy Rebellion, 1857-1858
450 __ | a Indian Mutiny, India, 1857-1858
450 __ | a Sepoy Mutiny, India, 1857-1858
450 __ | a Sepoy Rebellion, India, 1857-1858
550 __ | w g | a Mutiny x India
670 | a Britannica Micro, b (Indian Mutiny, also called Sepoy Rebellion, 1857-1858)
• We will follow up with the Princeton Index regarding linking
• Focus of Princeton Index is limited to Medieval Christian
IA linked to other resources: Iconclass

- In some subject areas, Iconclass goes into much more specific detail than would be included in IA
- Thus both can be used together
- How specific is practical for indexing?

- IA broader, ease of use for indexing subject matter of a work
- Iconclass, more helpful telling you what image you have (comparing what you see to the Iconclass headings)
in narrower sense, 71A35 Adam and Eve in paradise (before the Fall)
AAT Issues

Example of specific terminology:

- From a Getty Museum project
- Examining how to incorporate in the AAT hierarchy
- Examples of words that are perhaps too common, not unique enough for separate record = “gold lamp” Should be made more unique
Origins and Development of the Getty Vocabularies

Thanks to the visionaries committed to art information access for research and cataloging

- Late 1970s = **AAT: architectural historians, visual resources professionals, art literature indexing projects**
- Thesaurus per MeSH, plant and animal taxonomies; compliant with ISO
- **WHY?** The potential for thesaural relationships to allow linking, and linking would eventually allow retrieval based on more complex questions: Return all oil paintings created by 17th-century Dutch artists working in Italy, where the works were since destroyed or lost
  - Began with terms from LOC and local word lists
  - Williams College, Clark Art Institute; panel of architectural historians, CASVA
- Model relied upon contributions from the user community and experts, coordinated by a central editorial team
- **The Getty = early trailblazer** in a) committing resources to realizing the promise of standards and vocabularies for art information, b) bringing together disparate communities
Origins and Development of the Getty Vocabularies

Thanks to the visionaries committed to art information access for research and cataloging

- Consensus on fields for art cataloging and also for “authorities”
- Compromise and agreement across communities re. best practice: scholars, museums, art libraries, special collections, archives
- Including the Getty, NGA, NARA, LOC, Met, MFA Boston, Smithsonian museums, Princeton, Yale, Harvard, Uffizi, Victoria & Albert, Witt, BHA, RIBA, many others
- **CONA and IA from CDWA/CCO models**
- **CIHA TAU = starting point for ULAN &TGN data models**
  - Had different origins, but now all Getty vocabularies share same basic structure
  - Visionaries at Getty; cataloging resources for Getty projects, then made available for broader use
Origins and Development of the Getty Vocabularies

- First contributions = paper forms, entered by hand
- Now = XML contribution formats, parsing native data structures, online form for entering one at a time
- Getty IT dedicated team; critical = close ties to technology (Getty Digital)
- Systems allowing merging of different data sets, finding duplicates, editing, creation of hierarchies, publishing
- Published in hard copy, various release file formats, LOD
In CONA record, attribution to another artist “Garofalo,” as found in the Inventory record, is included – not included at the repository data.

Historical records in other resources linked to CONA work record

Special Collections: Duveen Brothers letter confirming the sale of twenty-four paintings, including NGA 1939.1.354, dated 9 March 1937; Box 474, Folder 5, Duveen Brothers Records, accession number 960015, Research Library, The Getty Research Institute, Los Angeles).

Provenance Index: several references, the earliest from 1797, to a painting described as a "half-length of the Virgin Reading by Garofalo" that is probably the same as NGA 1939.1.354: A History or Description...of Burghley House, the Seat of the Right Honorable the Earl of Exeter, 1797: 71-72; etc.

Documents at GRI Special Collections and Provenance may be linked to a record for the work

Creator: Vittore Carpaccio (Italian, ca. 1460-ca. 1526)
Previous attribution: Garofalo (Italian, 1481-1559)

CONA ID 7000xxx Class: Paintings
Work Ty: painting
Title: The Virgin Reading [preferred, NGA]
Creator: Vittore Carpaccio (Italian, ca. 1460-ca. 1526)
Previous attribution: Garofalo (Italian, 1481-1559)
Current Location: National Gallery of Art (Washington, DC) ID: 1939.1.354 Credit: Samuel H. Kress Collection
Role [cont.]: Preparatory Study
*Creation Date: ca. 1505 [cont.]: Start: 1500 End: 1510
*: religion Virgin Mary reading
*Measurements: overall: 78 x 51 cm (30 11/16 x 20 1/16 in.)
framed: 119.7 x 86.4 x 10 cm (47 1/8 x 34 x 3 15/16 in.)
*Mat & Tech: and Techniques: oil on panel transferred to canvas
Link: http://www.nga.gov/content/ngaweb/Collection/art-object-page.498.html

Provenance: several references, the earliest from 1797, to a painting described as a "half-length of the Virgin Reading by Garofalo" that is probably the same as NGA 1939.1.354: A History or Description...of Burghley House, the Seat of the Right Honorable the Earl of Exeter, 1797: 71-72; etc.