Built to Last

Cataloging Architectural Heritage Information using CONA and ULAN

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What are the Getty vocabularies?
Catalog, index, document, access, research, discover

• The Getty vocabularies are resources containing structured terminology for art, architecture, decorative arts, archival materials, visual surrogates, conservation, and bibliographic materials
• Compliant with international standards, they provide authoritative information for catalogers, researchers, and data providers
• The vocabularies grow through contributions. In the new linked, open environments, they provide a powerful conduit for research and discovery for digital art history

• AAT (Art & Architecture Thesaurus ©): e.g., orthographic drawings, amphora, oil paint, olieverf, peintures à l’huile, acetolysis, sintering, 玉器, Jadekünste, Olmeca, Rinascimento, Chen-Yen (Buddhism), watercolors, and asa-no-ha-toji

• TGN (Getty Thesaurus of Geographic Names ©): e.g., Diospolis, Acalán, Ottoman Empire, Mogao, Ch’ien-fu-tung, Ganges River, गंगा नदी

• ULAN (Union List of Artist Names ©): e.g., Charles Vandenhove et associés, Mark Rothko, Cai Xiang, 葛囊, Creole Master, Rajaraja Museum

• IA (Getty Iconography Authority): e.g., Bouddha couché, शिव (Hindu deity), Shiva, French Revolution, Adoration of the Magi, Flood of Deucalion, Xibalba, Nifheim

• CONA (Cultural Objects Name Authority ©): e.g., Chayasomesvara Temple, Empire State Building, Hagia Sofia, Ἁγία Σοφία, Mona Lisa, Portrait of Lisa Gherardini, La Gioconda, Livre de la Chasse, Le déjeuner sur l’herbe
Compiles titles/names and other information for works of art, architecture, and other cultural works, current and historical, documented as items or in groups, whether works are extant, destroyed, or never built.

Unique, persistent IDs

LINKS to Getty Vocabularies, outside resources, contribs

Status: In development: We have loaded 6,000 test records. BWR is the first large load of architectural records

Goal: great potential long term, but begin with targeted contributions, architecture, works depicted in visual surrogates, etc.

Contributions? vocab@getty.edu

Sample record

**CONA ID:** 700000141

**Titles/Names:**
- Hagia Sophia (en) 1000000300
- Ayasofya (tr) 1000000301
- Αγία Σοφία (el) 1000000311
- Agia Sofia 1000000302
- Agia Sophia 1000000303
- Haghia Sophia 1000000304
- Sainte-Sophie (fr) 1000014725
- Santa Sofía (es) 1000014726
- Sancta Sophia (la) 1000000305
- Sancta Sapientia (la) 1000000306
- Holy Wisdom (en) 1000000307
- Saint Sophia (en) 1000000308
- 圣索菲亚大教堂 (zh)

**Catalog Level:** item

**Work Types:**
- church (historical)
- mosque (historical)
- museum
- basilica

**Classification:** architecture

**Creation Date:**
original structure dated from 4th century CE; present structure built 532-537 CE; rebuilt in 12th century

**Creator Display:**
Anthemios of Tralles (Byzantine, ca. 474-ca. 534) and Isidoros of Meletus, the Elder (Byzantine, active mid-6th century)

**Locations:**
Current: İstanbul (Turkey)
Address Note: 41.008548°N; 28.979938°E

**Mat & Tech:**
system bearing masonry, centralized plan; ashlar and brick; interior surfaces are sheathed with polychrome marble, porphyry, and mosaics

**Dimensions:**
central dome: diameter 31 meters (102 feet); height 56 meters (184 feet)

**Styles:**
Byzantine | Ottoman

**General Subject:**
architecture Types: isness
religion and mythology Extent: purpose

**Specific Subjects:**
Holy Wisdom (Christian allegory)

**Contributors:**
VP; BWR

**Sources:**

Images may be under additional copyright.
CONA
Cultural Objects
Name Authority®

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Unique, persistent IDs
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Status: In development: We have loaded 9,000 test records. BWR is the first large load of architectural records
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Contributions? vocab@getty.edu
<table>
<thead>
<tr>
<th>Terms/Names</th>
<th>Creator Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt Lake Temple</td>
<td>Truman O. Angell (American architect, 1810-1887)</td>
</tr>
<tr>
<td>Mormon Temple</td>
<td>Great Temple</td>
</tr>
<tr>
<td>Temple Square</td>
<td>Young, Brigham (1801-1877), American</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Physical Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1853-1892</td>
<td>Salt Lake City, Utah, United States</td>
<td></td>
</tr>
</tbody>
</table>

-40.75, -111.883333
CONA ID: 700009250
Catalog level: item
Class.: architecture
Work Type: multipurpose building
Titles: Wiltern Theater
   Warner Brothers Western (historical)
Creation Date: 1930-1931; restoration began in 1981
Style: Art Deco
Culture: American
General Subject: architecture
Type: business
Current Location: City of Los Angeles (California, United States)
Address Note: 34.0611°N 118.3078°W;
3790 Wilshire Blvd, Los Angeles, CA 90010
Dimensions: 12 stories; 155 ft (47 m) in height, originally 2,344 seats
Mat. & Tech.: high-rise, applied masonry exterior: clad in bright turquoise tile with gold accents
Event: landmark status
Note: National Register of Historic Places, 1979
Descriptive Note: High rise office complex housing a noted theater on the ground floors, located at Wilshire Boulevard and Western, at the western edge of the Koreatown neighborhood of Los Angeles. Designed as a vaudeville house...
CONA ID 700000090  Class: architecture  
**Work Type:** house  
**Title:** Case Study House No. 21  
**Title:** Bailey House  
**Title:** CSH #21  
**Creator:** architect: Pierre Koenig  
**Creation Date:** 1956-1958; renovated 1998  
**Dimensions:** 1 story, 1320 square feet, 4 rooms and 2 baths, on a 110 x 160 foot lot  
**Mat & Tech:** steel frame and flat roof deck  
**Current Location:** Los Angeles (California, USA)  
**Address Note:** 34.116634 - 118.391623; 038 Wonderland Park Avenue, Hollywood Hills, Los Angeles, 90046

CONA ID 7000008539  Work Type: photograph  
**Title:** Case Study House No. 21  
**Creator:** Julius Shulman  
**Current Location:** GRI Special Collections, Getty Center (Los Angeles, California); 2004.R.10-26622-32-LF

CONA ID 700000120  Work Type: architectural drawing  
**Title:** Case Study House No. 21  
**Creator:** Pierre Koenig  
**Current Location:** GRI Special Collections, Getty Center (Los Angeles, California) 2006.M.30

**To link records for architecture to records for architectural documents**

**Possible implementations of CONA**

**LINKS**

- preparatory for
- based on

**depicts

depicted in**
Destroyed, ephemeral triumphal arch

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
Movable works linked to unrealized work

J. R. Pope’s designs for pyramidal Lincoln Memorial, Washington DC

CONA ID 700008523

Records for works never realized

CONA ID 700009598

unrealized work

Based on the design of J. R. Pope, this model was built in 1912 as a study for a pyramidal Lincoln Memorial. The project was never realized, but this model provides insight into the architectural possibilities considered for the memorial.

Movable works linked to unrealized work

CONA ID 700009598

preparatory for

CONA ID 700008523

linked to

CONA ID 700009598

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St. Peter’s in Rome and its dome

- **St. Peter’s in Rome**
  - **Title:** Basilica di San Pietro in Vaticano
  - **Title Flag:** descriptive
  - **Creator:** principal architects: Donato della Porta, ...
  - **Date:** constructed in 1506, constructed 1546 to 1564 and 1575-1626
  - **Mat & Tech:** masonry
  - **Dimensions:** length 730 feet (220 m); width 500 feet (150 m); height of dome above street level: 452 feet (138 m)
  - **Location:** Rome (Italy)

**Model for St. Peter’s in Rome**

- **Title:** Dome of Saint Peter’s
- **Creator:** Michelangelo
- **Date:** designed mid-1550s
- **Mat & Tech:** brick, with iron chain compression ring
- **Dimensions:** 42 m (138 feet); height of dome: 138 m (452 feet) above the street, 119 m (390 feet) above the floor

**Depiction of St. Peter’s in Rome**

- **Title:** Section and Elevation of the Drum and Dome of St. Peter’s
- **Creator:** Michelangelo
- **Date:** mid 1550s
- **Medium:** incised lines, charcoal with traces of brown ink on paper
- **Dimensions:** 270 x 267 cm
- **Type, Purpose, Method of Representation:** Descriptive Note: This is the only known drawing where...
- **Subject/Built Work:** section • elevation • Dome (St. Peter’s Basilica, Rome)
- **Related Work:** Dome (St. Peter’s Basilica, Rome)
- **Relationship type:** study for
- **Current Location:** Musée des Beaux Arts (Lille, France)

**Previous Work of St. Peter’s in Rome**

- **Title:** Dome for the Old St. Peter’s Basilica
- **Creator:** circle of Etienne Dupérac
- **Date:** probably late 1560s
- **Medium:** brown ink on paper
- **Dimensions:** 3 x 2 m
- **Scale:** 1:1
- **Descriptive Note:** This is probably the only known drawing for the series of...
- **Current Location:** Metropolitan Museum of Art (New York, New York, USA)

**Study for St. Peter’s in Rome**

- **Title:** Half Model for the Dome and Drum for St. Peter’s, Rome
- **Creator:** Michelangelo and Giacomo della Porta; Luigi Vanvitelli
- **Date:** 1558-1561
- **Medium:** linden wood, gesso, paint
- **Dimensions:** 5 x 4 x 2 m (without modern base)
- **Scale:** 1:15
- **Current Location:** Musei Vaticani (Vatican City, Italy)

**Exterior Elevation of the Model for St. Peter’s**

- **Title:** External elevation of the model for St. Peter’s
- **Creator:** circle of Etienne Dupérac
- **Date:** probably late 1560s
- **Medium:** brown ink on paper
- **Dimensions:** 3 x 2 m
- **Scale:** 1:1
- **Descriptive Note:** Probably done in preparation for the series of...
- **Current Location:** Metropolitan Museum of Art (New York, New York, USA)
Establish the Focus

- Maintain separate records for the movable work (model or drawing) and the built work depicted
- Link the work depicted through Associative Relationships (for the few critical two-way relationships) or through Specific Subject, which is a one-way relationship from movable work to the built work

architectural model

built work

CONA ID: 700001994 Catalog Level: item
Class.: architecture  work Type: building complex
Getty Center (building complex; Richard Meier (American, born 1934); Richard Meier & Partner...; designed: 1984-
1991, construct...)
Note: Complex of 12 buildings housing the Getty's collection of European and American art from the Middle Ages to the present. Design elements, gardens, and open spaces combine in the design by Richard Meier of the Getty Center to unite the parts of the J. Paul Getty Trust. Buildings contain the Getty Museum, the Getty Research Institute, the Getty Foundation, the Getty Conservation Institute, the J. Paul Getty Trust, and meal facilities.

Titles:
Getty Center (preferred,C,U,English-P,U,U)

Catalog Level: item
Work Types:
complex (buildings and sites) [300000202] (preferred)
..... (Objects Facet, Built Environment (hierarchy name), Built Complexes and Districts (hierarchy name))

art center [300005138]
..... (Objects Facet, Built Environment (hierarchy name), Single Built Works (hierarchy name), single built works (built environment), single built works by specific type), cultural centers (buildings))

Classifications:
architecture (preferred)
modern art
<table>
<thead>
<tr>
<th>Work Type:</th>
<th>temple shariden reconstructed architecture</th>
</tr>
</thead>
</table>

**Date:** established in 1397; destroyed by arson in 1950, reconstructed in 1955
  - **Qualifier:** established **Start:** 1397 **End:** 1397
  - **Qualifier:** reconstruction **Start:** 1950 **End:** 2003

**Event:** destruction
  - **Display date:** by arson, 1950

- For reconstructed works, include information about both the original and the reconstruction
- Make a separate record for the original work if enough critical information differs from the reconstruction so as make it difficult to fully describe both in the same record (in the example below, both the original and reconstruction are described in one record)
Sample record

**ULAN_ID:** 500014514

**Names:**
Gaudí, Antoni (ca,es,en,fr,it)
Antoni Gaudí
Cornet, Antoni Gaudí
Cornet, Antonio Gaudí y
Gaudí, Antoní
Gaudí i Cornet, Antonio
Gaudí Jornet, Antoni
Gaudí y Cornet, Antoni
Gaudí Jornet, Antoni
Gaudí, Antoni
Gaudi, Antonio
גאודי, אנטוני (he)
安东尼·高迪 (zh)

**Nationalities:**
Spanish (pref)
Catalan

**Roles:**
artist (pref)
architect
landscape architect
furniture designer

**Gender:** male

**Birth and Death Places:**
Born: Reus (Tarragona province, Catalonia, Spain) (inhab place)
Died: Barcelona (Barcelona province, Catalonia, Spain) (inhab place)

**Associative Relationships:**
collaborated with .... Torres-García, Joaquín (Uruguayan painter and theorist, 1874-1949) 1903-1904 [500031259]
worked with ... Martorell y Montells, Joan (Spanish architect, 1833-1906) [500072753]
student of .... Sala Cortes, Emilio (Spanish architect, active late 19th century) [500287019]

**Contributors:**
VP,JPJM,Avery,FRICK,WCI,Prov,GRLPSC,BHA,CCA

**Sources:**
### Processing contributions: Link to ULAN, AAT, TGN, IA

 Getty vocabularies merge contributed records if duplicates

<table>
<thead>
<tr>
<th>ULAN ID</th>
<th>Matching name</th>
<th>Display biography</th>
<th>Roles (AAT-controlled)</th>
<th>Nationality (AAT-controlled)</th>
<th>Estimated birth date</th>
<th>Estimated death date</th>
</tr>
</thead>
<tbody>
<tr>
<td>500017409</td>
<td>Guardi, Francesco</td>
<td>Venetian painter, 1712-1793</td>
<td>artist painter landscapist</td>
<td>Venetian Italian</td>
<td>1712</td>
<td>1793</td>
</tr>
<tr>
<td>500312969</td>
<td>Guardi, Francesco</td>
<td>Italian noble, born 1514</td>
<td>noble</td>
<td>Italian</td>
<td>1514</td>
<td>1614</td>
</tr>
<tr>
<td>500412666</td>
<td>Guardi, Francesco</td>
<td>Italian artist, ca. 1712-1793</td>
<td>artist</td>
<td>Italian</td>
<td>1707</td>
<td>1793</td>
</tr>
</tbody>
</table>

A name matches exactly; role matches; a nationality matches; dates within range?
Links between vocabularies

- E.g., **roles** in ULAN (e.g., artist, watercolorist, portraitist, patron, emperor) = controlled by *Agents Facet* in AAT

- Going from hand-made lists to LOD required cleaning up inconsistencies
Current and Future Goal:

- Relationships from the Getty vocabularies to other resources within the Getty and outside
- E.g., Provenance Index data