


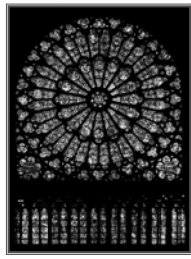
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# Overview of the Getty Vocabularies



**Murtha Baca**  
 Head, Getty Vocabulary Program  
 Berliner Herbsttreffen zur Museumsdokumentation  
 October 2004

## Why vocabularies?





lancets  
 Medieval Gothic  
 tracery  
 bar tracery

stained glass  
 pot-metal glass  
 rose window  
 Catherine wheel

- Goal is to enhance access to visual arts & material culture information
- People don't always know what a person, place, or thing is called
- Different people use different terms for the same person, place, or thing
- Vocabularies gather related terms together to improve access to information for research and education

## How are vocabularies used?


- Used as sources of standard terminology for use in description, cataloguing, and documentation
- Used as "assistants" in online search engines, creating a semantic "road map" that shows links and paths between concepts and terms
- Used as knowledge bases or lookup tools

apodyteria  
 apodyterium  
 gymnasteria  
 gymnasterium

Note: Dressing rooms in ancient Greek and Roman baths and palaestrae.

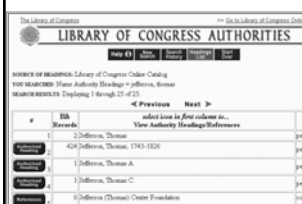

- The structure and content of the Getty vocabularies are based upon standards
- International Organization for Standardization (ISO), NISO (National Information Standards Organization)
- Cataloguing Cultural Objects (CCO), CDWA



**We are active in the standards-building communities**

## Standards for data values:

- The Getty Vocabularies
- Library of Congress Name Authority File (LCNAF)
- Library of Congress Subject Headings (LCSH)
- ICONCLASS





- **Controlled Vocabulary:** An organized arrangement of words and phrases that are used to *index* content and/or to *retrieve* content through navigation or a search
- Typically a vocabulary that includes preferred terms and has a limited scope or describes a specific domain
- There are several types of controlled vocabularies:
  - Controlled list
  - Taxonomy
  - Subject headings
  - Thesaurus

## Types of vocabularies

- **Controlled list:** A simple list of terms used to control terminology
- In a well-constructed controlled list:
  - each term must be unique;
  - terms should all be members of same class;
  - terms should not be overlapping in meaning;
  - terms should be equal in granularity/specificity;
  - and terms should be arranged alphabetically or in another logical order
- May include terms from other controlled vocabulary resources
- For some elements or fields in the database, a controlled list may be sufficient to control terminology, particularly where the terminology for that field is limited and unlikely to have synonyms or ancillary information

anteaters  
 armadillos  
 bats  
 bears  
 cats  
 cows  
 deer  
 dogs  
 elephants  
 goldfish  
 horses  
 ostriches  
 pandas  
 pigs  
 zebras




From: Baptiste Perronneau, Portrait of Magdalene Pinel, c.1780; Paul Getty Museum; Chat Noir, Théophile-Alexandre Steinlen, © Via, Barbara Museum of Art, Rippon; Cat, © Metropolitan Museum of Art and Kistner; © National Gallery of Art, Martin Noller; Stearns, © various collections.

## Types of vocabularies

- **Taxonomy:** An orderly classification for a defined domain
- Vocabularies that organize a body of knowledge into conceptual categories are classifications and taxonomies


Animal Kingdom  
 .....Vertebrates (phylum)  
 .....Mammalia (class)  
 .....Carnivora (order)  
 .....Felidae (family)  
 .....Felis domesticus (genus-species)



## Types of vocabularies

- **Subject headings:** Words or phrases used to indicate the content of a text or other thing
- **Pre-coordination** of terminology is a characteristic of subject headings; subject headings typically combine several unique concepts together in a string

Cat family (Mammals) – Literary collections  
 Cats – Religious aspects  
 Cats – Egypt  
 Egypt – Civilization – to 332 B.C.



## Types of vocabularies


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

Animal Kingdom  
 .....Vertebrates  
 .....Carnivora (order) hierarchical  
 .....Mammalia (class)  
 .....Felidae (family)

Felis silvestris (preferred, species name)  
 \*wild cat (preferred, common name)

Felis domesticus (preferred, species name)  
 \*domestic cat (preferred, common name)  
 \*Felis catus  
 \*house cat equivalence

← associative



# The Getty Vocabularies

[http://www.getty.edu/research/conducting\\_research/vocabularies/](http://www.getty.edu/research/conducting_research/vocabularies/)

## Getty Vocabularies

- ❖ Compiled and maintained by the Getty Vocabulary Program
  - **Union List of Artist Names® (ULAN)**  
➢ 117,600 'records'; 257,241 names
  - **Art & Architecture Thesaurus® (AAT)**  
➢ 33,150 'records'; 128,075 terms
  - **Getty Thesaurus of Geographic Names® (TGN)**  
➢ 911,300 "records" 1,102,200 names
- ❖ Focus on Visual Arts and Architecture
- ❖ Are compiled resources (not comprehensive)
- ❖ Grow through contributions
- ❖ May be licensed (vendors of collection management systems, others)

## Elements of a ULAN record

**names**  
**Gaudí, Antoni**  
 Gaudí y Cornet, Antonio  
 Cornet, Antoni Gaudí  
 Gaudí i Cornet, Antoni

**geographic location**  
 Reus (Spain)  
 Barcelona (Spain)

**nationalities**  
 Catalan, Spanish

**roles**  
 architect,  
 landscape architect,  
 furniture designer

**life dates**  
 Birth Date: 1852  
 Death Date: 1926

**related people**  
 studied with:  
 Juan Martorell Montells

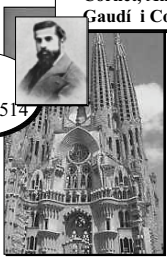
**notes**  
 Gaudí was a medieval history and architecture works display a respect for craftsmanship and structural logic. He was also inspired by forms in nature, using it in structure and ornament, creating a highly personal, organic style. His work is characterized by sculptural plasticity, the manipulation of light, and the use of mosaics. His later style is classified as Modernisme, a style of the late 19th and early 20th centuries.

**bibliography**  
 Contemporary Architects (1987)  
 Enciclopedia universal ilustrada (1978-1987)  
 Encyclopedia of world art (1959-1987)  
 Grove Dictionary of Art online (1999-)  
 LC Name Authority Headings [online] (2002-)

**artist**  
 500014514

**artist**  
 500014514

*Note: The Focus of each vocabulary record is a concept - not a "term"*



Sagrada Família, Barcelona Spain, 1882-1926. Image © http://www.ap.es/~josecar/gaudi/ctemple.html. Portrait © Encyclopaedia Britannica online.

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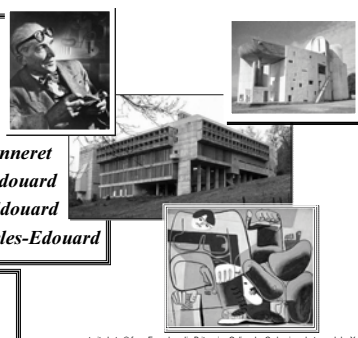
**artist**  
 500014514

**artist**  
 500014514

## Equivalence Relationships in ULAN

**NAMES:**  
**Le Corbusier**  
 Corbusier, Le  
 Corbu  
 Charles Edouard Jeanneret  
 Jeanneret, Charles Edouard  
 Jeanneret, Charles-Edouard  
 Jeanneret-Gris, Charles-Edouard

all names refer to same person  
 used for retrieval  
 one is "preferred"



portrait photo © from Encyclopaedia Britannica Online, Le Corbusier, photograph by Yousof Karsh, 1964. © Karsh-Woodfin Camp and Associates/Convent of La Tourette, by Le Corbusier, at Encour-sur-Ardevise, near Lyon, France, 1907 to 1960. Photo by Donald Corner and Jenny Young. CD 2260 1012, 1941, 051. © Donald Corner and Jenny Young. Charles-Edouard JEANNERET); "La cattedrale di Barcellona" 1939. CD on online. © Museo Nacional. Sofia; image from http://museo.rosasofia.mcu.es

## Former names, "incorrect" names

Names for Sienese painter, active by 1337, died Sept. 4, 1378  
 include spelling variations, former names

**Names:**  
**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



copy of the Virgin and Child with St. John the Baptist, by Ugolino Lorenzetti, ca. 1345. The Metropolitan Museum of Art, New York. Image from http://www.metmuseum.org/

## Common misspelling; married name

**NAMES:**  
**O'Keeffe, Georgia**  
 Georgia O'Keeffe  
 O'Keefe, Georgia  
 Stieglitz, Alfred, Mrs.

published misspellings provide additional access points




Georgia O'Keeffe, Red's Skull With Brown Lenses, Rosecliff Museum and Art Center, Rosecliff, New Mexico from http://www.rosecliffmuseum.org

## Various transliterations, diacritics

variant transliterations provide additional access points  
 diacritics recorded in code-extended ASCII (e.g., \$07) in data, maps to Unicode

**NAMES:**  
**Šiškin, Ivan Ivanovič**  
 Shiskin, Ivan Ivanovitch  
 Schischkin, Iwan Iwanowitsch  
 Chichkin, Ivan Ivanovitch




Ivan Šiškin (1831 - 1905) Im Bismarckwald, 1896. Öl auf Leinwand, 119 x 93 cm, image from http://www.2-see.com/portal/2-see\_kauf/versteigerung/2-see\_kauf.html

**Translations**

➤ common translations are also important variants

**NAMES:**  
***Mato Wanartaka***  
***Kicking Bear***




Battle of Little Big Horn, ca. 1888  
 Watercolor on mullein; fr. 11 in. x 5 ft, 10 in. (frame included)  
 The Southwest Museum (Los Angeles, California)

**Associative Relationships in ULAN**  
**for Albrecht Dürer**

**RELATED PERSON:**  
*son of*  
*Albrecht Dürer the elder*

**RELATED PERSON:**  
*student of*  
*Michael Wolgemut, from 1486*  
*through 1490*

- ❖ student/teacher relationships
- ❖ familial relationships if parent is also an artist
- ❖ dates of relationship




Albrecht Dürer, German, 1471 - 1529; Knight, Death and Devil, 1497, engraving on bull paper, sheet: 24.8 x 19 cm  
 © 2014 J. Paul Getty Trust  
 Doc. Gift of W. G. Swarth Allen, 1943.1.20

**Associative Relationships in ULAN**

**RELATED PERSONS:**  
*members are*  
*Richard Meier*  
*Michael Palladino*  
*James R. Crawford*  
*Bernhard Karpf*  
*Reynolds Logan*

Richard Meier & Partners Architects LLP




➤ a corporate body may be related to persons

**Hierarchical Relationship in ULAN - Whole/Part**

➤ hierarchical relationships represented with indention

- Gobelins, Manufacture Royale de
- Painting Studio
- Sculpture Studio
- Tapestry Manufactory
- Dye Works
- Furniture Manufactory
- Marquetry Studio
- Pietra Dura Studio
- Metalwork Studio
- Engraving Studio



La Cheval Royal, artist: Gobelin tapestry manufactory, based on sketches by Albert Eckhout, ca. 1698-1706, wool and silk, 124 x 980.2 cm, J. Paul Getty Museum (Los Angeles, CA), 92.DD.21

**Elements of a TGN record**

**parent place**  
 Germany  
 Bavaria  
 Oberbavaria

**names**  
 Munich  
 München  
 Monaco di Baviera  
 München

**place**  
 7004333

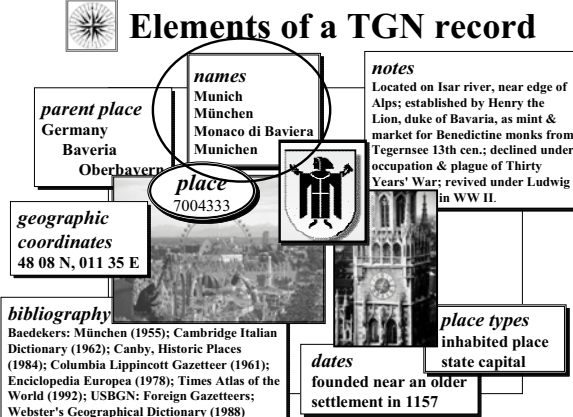
**geographic coordinates**  
 48 08 N, 011 35 E

**notes**  
 Located on Isar river, near edge of Alps; established by Henry the Lion, duke of Bavaria, as mint & market for Benedictine monks from Tegernsee 13th cen.; declined under occupation & plague of Thirty Years' War; revived under Ludwig in WW II.

**place types**  
 inhabited place  
 state capital

**dates**  
 founded near an older settlement in 1157

**bibliography**  
 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)




Images © Munich Tourist Board, http://www.munich-tourist.de/

**Equivalence Relationships in TGN**

Cairo  
 Al-Qāhirah  
 Le Caire  
 Kairo  
 Al Kahira  
 Al Fustat

- "Preferred" English
- Preferred vernacular, transliterated
- Other languages
- Historical names




### Equivalence

Cairo.....	English-Preferred
Al-Qāhira	[BHA, GRLPSC, VP]
Le Caire	Cambridge World Gazetteer (1988)
Kairo	Columbia Lippincott Gazetteer (1961)
Al Kahira	Heath's French Dictionary
Al Fustat	Petit Robert II, Noms (1989)
	Webster's Geographical Dictionary (1984) 200
Al-Qahirah	Vernacular Preferred; meaning "Victorious" [VP]
	Encyclopedia Britannica Online (1994-2001) accessed 10/14/99
	Webster's Geographical Dictionary (1984) 200-210
Le Caire.....	French-Preferred
	[BHA, VP]
	NIMA, GEOnet Names Server (1996-1998)
Kairo.....	German-Preferred
	[VP]
	Cassell's German Dictionary (1982) 334
	Rand McNally Atlas (1989) I-84
Al Kahira.....	historical
	[VP]
	Canby, Historic Places (1984) I, 141-142

- Languages
- Contributors
- Sources

### Hierarchical Relationship in TGN - Whole/Part


Spain (nation)  
 Andalucía (region)  
 Almería (province)  
 Cádiz (province)  
 Córdoba (province)  
 Granada (province)  
 Huelva (province)  
 Málaga (province)  
 Sevilla (province)




➤ provinces are part of the region, which is part of the nation

### Polyhierarchy

*Modern world*  
Italy  
Tuscany  
Siena province



*Historical world*  
Etruria




Siena/Sena

- Multiple hierarchical relationships may include historical parents
- The date of the relationship may also be included

### Associative Relationship in TGN


Hazor

Tel Hazor

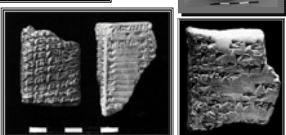


➤ There may be associative relationships between places

- deserted settlement may be related to modern town
- date for relationship



*for a deserted settlement in Israel*  
 DESCRIPTIVE NOTE:  
 Located over Huleh Valley, near the modern town Hazor; for centuries it was one of most important cities of Canaan, in control of rich agricultural area and vital trade and military route; according to the Bible, site of victory of Joshua and other battles of Israelites.



### Elements of an AAT record

*parent concept*  
Materials Hierarchy

- .....limestone
- .....sinter
- .....travertine

*names/terms*

- travertine
- travertine marble
- travertine stone
- roachstone
- lapis tiburtinus

*related concepts*

- tufa
- onyx marble


**concept**  
11329

*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), Italy, where large deposits occur, and it is characterized by a light color and the ability to take a good polish. It is distinguished from *tufa* by being harder and stronger.

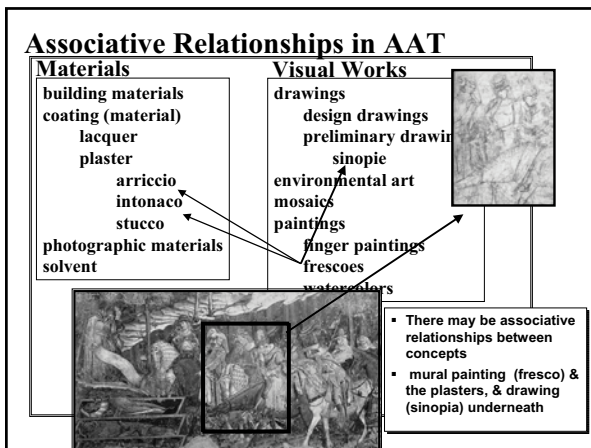
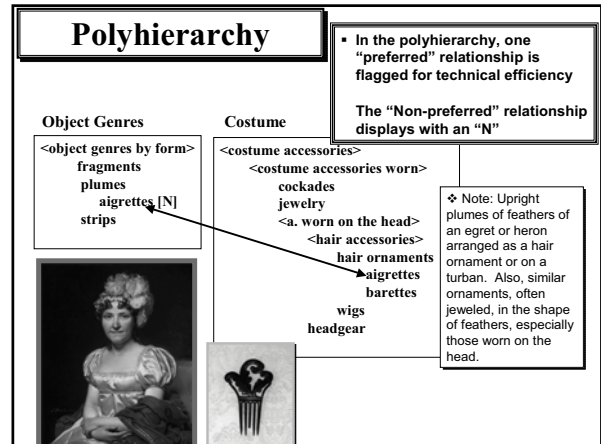
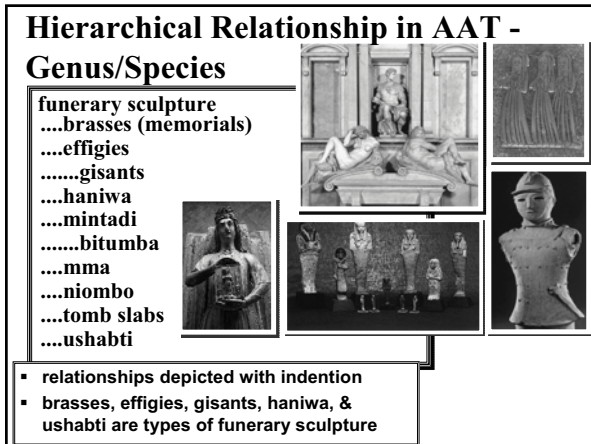
*sources*  
Sturgis, Russell, Dictionary of Architecture and Building; Roberts, Michael J., Construction Industry Thesaurus; American Geological Institute, Dictionary of Geological Terms; Encyclopaedia Britannica

### Equivalence Relationships in AAT

still lifes  
 still life  
 still-lifes  
 still lives  
 nature morte  
 natura morta  
 stilleven  
 Stilleben  
 vie coye  
 ontbijtje  
 banketje  
 bodegones



- multiple terms refer to the same concept
- "preferred" term is flagged
- terms in various languages, historical



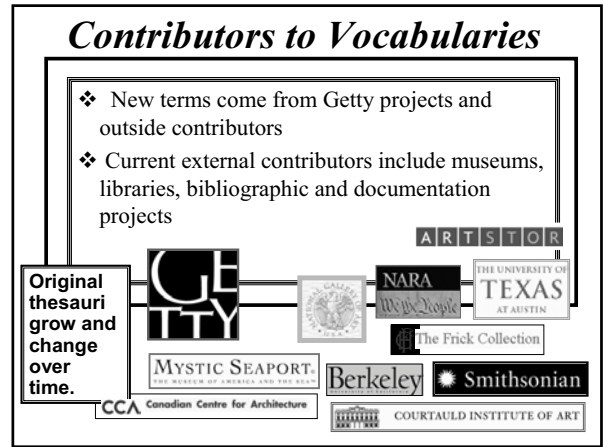
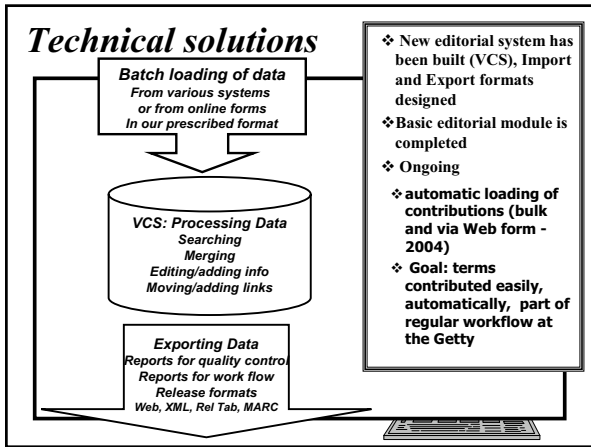
## How We Build Our Vocabularies

### History of the Getty Vocabularies

- > The three Getty vocabularies date from the mid- and late 1980s ★ intended to eliminate redundant authority work
  - > originally for use among Getty projects
  - > now used broadly in art and material culture communities
- > Not comprehensive - compiled resources
  - > data is gathered, loaded/entered, edited
- > Grew separately, separate systems, separate locations
- > Under one roof since 1997, established common practice
- > Maintained by a small staff and community participation

### History of the Getty Vocabularies

- ❖ Our role: work across Getty (and with outside contributors), gather terms for the creators & users of terminology
- ❖ Use VCS (custom-built system) to do our work:
  - ❖ processing contributions
  - ❖ editing, merging, moving, making relationships
  - ❖ publishing
  - ❖ training
- ❖ "Data standards editor" has become a job title at the Getty



- ### Contributors to Vocabularies
- Getty contributions since 1980s
    - Getty Research Institute
      - Photo Study Collection
      - GRI Library database
      - Getty Provenance Index
      - Bibliography of the History of Art (BHA)
      - Avery Index to Architectural Periodicals
      - Census of Antique Art & Arch. Known to Renaissance
      - Vocabulary Program
    - J. Paul Getty Museum
    - Getty Conservation Institute

### Building Our Vocabularies

- ❖ Vocabulary Program: Getty vocabulary editors edit and add new terminology
- ❖ Sources include standard general published sources, text books, scholarly articles, museum records, etc.

**Hardcopy sources**

**Online sources**

### Processing contributions, What do we do?

loading, tracking who contributed what, 'moving,' merging, un-moving, un-merging  
Some done automatically during load, others require editorial intervention.

	ID
Temp/Candidates, Top of the TGN Hierarchy)	
Temp/Candidates, Top of the TGN Hierarchy)	1000000
NW temp parent/Candidates (miscellaneous)	7000000
IP BHA World (miscellaneous)	4000000
NW Miscellaneous candidates (miscellaneous)	4000225
NW America (first level subdivision)	4000643
IP Antisch, Patriarchate of (principality)	4000727
IP Baltic countries (region (general))	4001173
NW Dronning Maud Land (region (general))	4000226
NW Entre-Sambre-et-Meuse (first level subdivision)	4003659
NW Europe, Central (first level subdivision)	4003755
NW Europe, Eastern (first level subdivision)	4003756
NW Europe, Northern (first level subdivision)	4003757
NW Europe, Northwestern (first level subdivision)	4003758
NW Europe, Southeastern (first level subdivision)	4003759
NW Europe, Southern (first level subdivision)	4003760
NW Europe, Western (first level subdivision)	4003781
IP Gaeta, ducato di (duchy)	4004186

### Merging records, What do we do?

multiple records contributed for the same person; automated if possible in the load

**Result Limit:** All **Search Type:** KEYWORD **ENTER SEARCH CRITERIA**

**Subject ID:** Search Method: NEW SEARCH **SUBJECTS/TERMS: 2/5**

**Search Text:** palamedesz and anthonie

**Qualifier:** Parent ID: Role: ID:

**Sources:** Contributors:

**Birth Date:** Least: Most: **Death Date:** Least: Most: **Nationality:** ID:

Status	Mark	Preferred Name	Name	Biography
FN		Palamedesz, Anthonie	Palamedesz, Anthonie	Dutch painter, 1601-1673
FN		Anthonie Palamedesz	Anthonie Palamedesz	Dutch painter, 1601-1673
FN		Palamedesz, Anthonie	Palamedesz, Anthonie	Dutch painter, 1601-1673
HD		Palamedesz, Anthonie	Anthonie Palamedesz	Netherlandish artist, 1601-1673
HD		Palamedesz, Anthonie	Palamedesz, Anthonie	Netherlandish artist, 1601-1673

**Two records may become one**

**Name: Del Duca, Giacomo**  
*Biography:* Italian sculptor and architect, ca. 1520-1604  
 ULAN ID: 10373

+

**Name: Jacopo Siciliano**  
*Biography:* Sicilian architect, active in Rome, ca. 1520-1601  
 ULAN ID: 13784

- “Giacomo del Duca” is same person as “Jacopo Siciliano”
- Records were “merged” into a single record

Giacomo del Duca, Porta San Giovanni (1574), Casino di Villa Mattei (1582) sul Monte Celio. Enchings by Giuseppe Vasi from *Sulle magnificenze di Roma Antica e Moderna*, images © http://members.tripod.com/romantlover/Vasi.html (1. Mar 2004)

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- “Giacomo del Duca” is same person as “Jacopo Siciliano”
- Records were “merged” into a single record

**Names: Del Duca, Giacomo (pref) Jacopo Siciliano**  
*Biography:* Italian sculptor and architect, ca. 1520-1604, born in Sicily, active in Rome  
 ULAN ID: 500016281

Giacomo del Duca, Porta San Giovanni (1574), Casino di Villa Mattei (1582) sul Monte Celio. Enchings by Giuseppe Vasi from *Sulle magnificenze di Roma Antica e Moderna*, images © http://members.tripod.com/romantlover/Vasi.html (1. Mar 2004)

**One record may become two**

**Descriptor: outsider art**  
 AAT ID: 300056472

**Descriptor: naive art**  
 AAT ID: 300263555

*“naive art” was determined to be a separate concept from “outsider art”, formerly were equivalents*

ers to art created by non-professional who have not had formal training and ht. It typically displays the artist's poor and lacks mastery of conventional ther hallmarks of framed artists. It sculpture, embroidery, quilts, toys, decoys, painted targets, and other refers to such objects created specifically in 19th- and 20th-century Europe and North America. It is generally distinguished from “outsider art,” which includes the more extravagant psychotic drawings and other art created or collected according to a philosophy of the avoidance of, rather than simply a lack of, traditional training. It is also usually distinct from “folk art,” which is created according to specific cultural traditions.

1. anonymous American, Catalytic Post, c. 1947; © National Gallery of Art, Washington DC; Gift of Edgar William and Bonnie Chrysler Garbisch; 1980 c2.14. 2. Guillaume Puyelle, “Les angles - la plume d'or”, CC Collection de l'Art Brut, Château de Besençon / Lausanne; image from http://www.lausanne.ch/musee/artbrut.htm

**Building hierarchies, inserting or ‘moving’ branches**

*What do we do?*

- .....Roman (style or period)
- .....Monarchic
- .....Tarquinian (Roman monarchy)
- .....Republican
- .....Late Republican
- .....Caesarian
- .....Sullan
- .....Imperial (Roman)
- .....Early Imperial
- .....Augustan
- .....Julio-Claudian
- .....Tiberian
- .....Flavian
- .....Trajanic
- .....Hadrianic
- .....Antonine
- .....Severan
- .....Late Antique
- .....Tetrarchic
- .....Constantinian

*new level added* →

Augustus Prima Porta, ca. 20 BC. Height 2.03 m. Vatican Museums, Rome. © Vatican Museums 2004

**Hierarchy may change over time**

*What do we do?*

- Europe.....(continent)
- Polska.....(nation)
- Dolnoslaskie.....(voivodship)
- Kujawsko-Pomorskie.....(voivodship)
- Łódzkie.....(voivodship)
- Malopolskie.....(voivodship)
- Mazowieckie.....(voivodship)
- Lubelskie.....(voivodship)
- Lubuskie.....(voivodship)
- Opolskie.....(voivodship)
- Podkarpackie.....(voivodship)
- Podlaskie.....(voivodship)
- Pomorskie.....(voivodship)
- former voivodships.....(this one is circled)
- Białystok.....(former administrative division)
- Kielce.....(former administrative division)
- Katowice.....(former administrative division)
- Kasubian.....(former administrative division)

- Former voivodships were absorbed into new voivodships in 1999

map and flag © CIA Factbook online, http://www.cia.gov/library/publications/factbook/geos/pl.html

**Editing / creating records**

*What do we do?*

[1000159]  
 Names:

- Congo (C,V)
- Republique démocratique du Congo (C,V)
- Congo, république démocratique du (C,V)
- Democratic Republic of the Congo (C,V).. 1964-1971, & since May 1997
- Democratic Republic of Congo (C,V)
- Zaire (H,V)
- République du Zaïre (H,V)
- Zaire (H,V)
- Republic of Zaire (H,V)..... used 1971-1997
- Kongo, Republik (H,V)
- Belgisch Kongo (H,V)..... 1908-1960
- Congo Belge (H,V)
- Belgian Congo (H,O)..... 1908-1960
- Congo Free State (H,O)..... 1885-1908

- Former preferred name was “Zaire”
- In 1997 changed to “Congo”

**Preferred name changes**



## What do we do?

### Contributions:

- ❖ Getty contributions are processed via mapping to a prescribed format
- ❖ We also accept contributions from selected outside institutions
- ❖ Two ways to contribute: Web form or database mapping
  - ❖ (we provide XML format and rules)

## What do we do?

How will users submit candidate terms?

- Online form
- In bulk, mapped from contributors' databases
  - using XML format

```

<!-- element name="Vocabulary" -->
<!-- annotation -->
<!-- documentation: Schema for Getty Vocabulary AAT. Impor
Use based on Stephen Tenny's export schema, WebChoi
sgl@webchoir.com, http://www.webchoir.com. 2003-0
</!-- annotation -->
</!-- annotation -->
<!-- complexType -->
<!-- sequence -->
<!-- element name="Subject" maxOccurs="unbounded" -->
<!-- complexType -->
<!-- all -->
<!-- element name="Ancestors" -->
<!-- annotation -->
<!-- documentation: There can be one and only one
ancestor branch, but zero to many non-pre
ancestor branches </!-- documentation -->
</!-- annotation -->
<!-- complexType -->
<!-- all -->
<!-- element name="Preferred_Ancessor_Bran
<!-- complexType -->
<!-- sequence -->
<!-- element name="Ancestor" -->
<!-- complexType -->
<!-- sequence -->
<!-- element name="Immediate"
type="xp-ParentType" />
<!-- element name="Other"
type="xp-ParentType"
maxOccurs="9"
maxOccurs="unbounded" />
</!-- sequence -->
</!-- complexType -->
</!-- annotation -->
    
```

## What do we do?

### Ensuring quality control

- ❖ Editorial Guidelines
  - ❖ For consistency
  - ❖ For ensuring that data is correctly retrievable
  - ❖ Additions to rules made as new issues arise

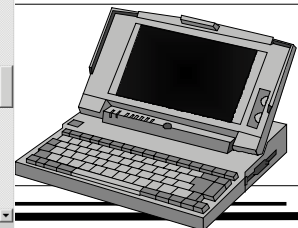


## What do we do?

### Ensuring quality control

- Reports are critical
  - \* to find errors
  - \* to track editorial progress, meet deadlines
  - \* to produce files for release

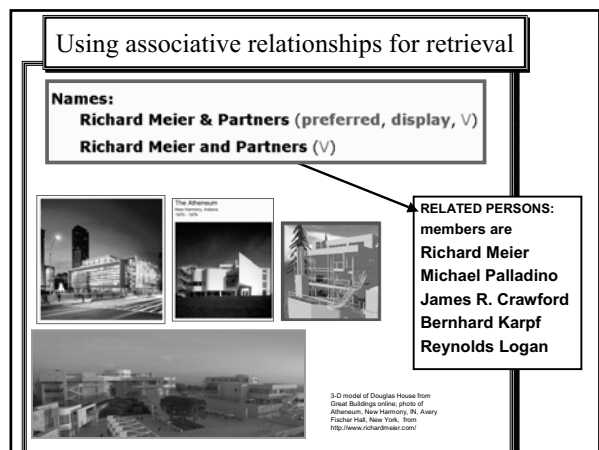
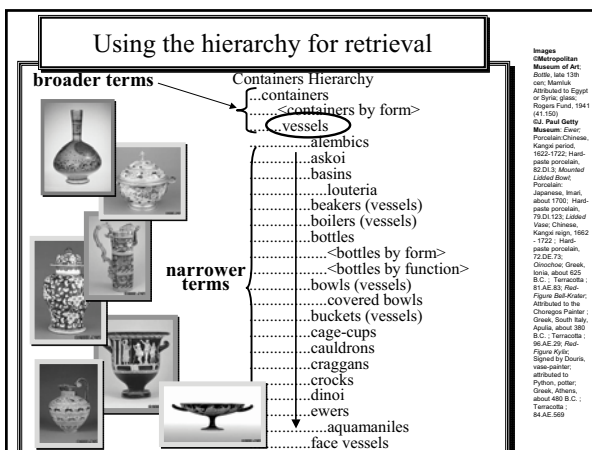
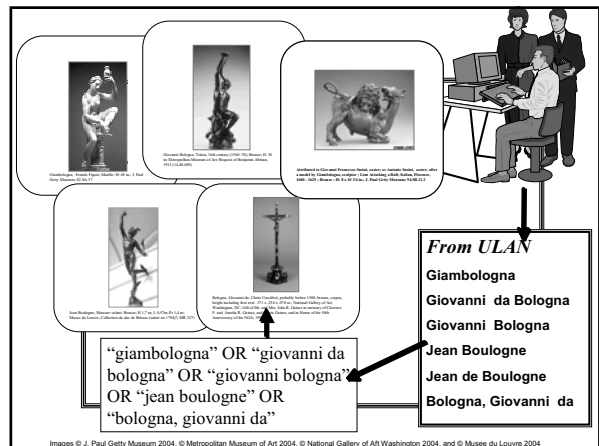
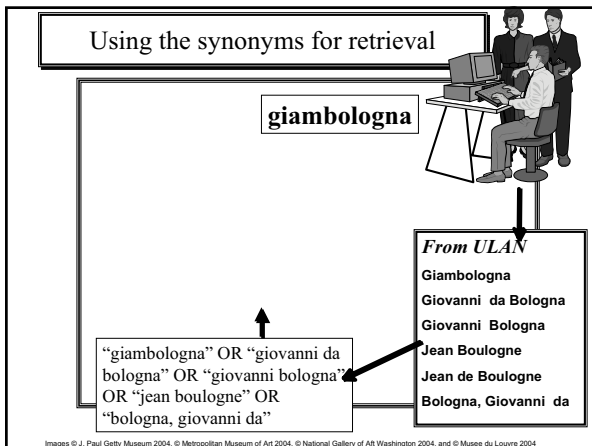
Name	Size
AAT_REP11_brief_results_by_editor.sqr	11 KE
AAT_REP13_brief_results_by_diaorlic.sqr	17 KE
AAT_REP14_brief_results_by_adhoc.sqr	10 KE
AAT_REP19_citations_check.sqr	12 KE
AAT_REP23a_total_rec_editor_stats.sqr	40 KE
AAT_REP23b_total_stats_within_time_peri...	40 KE
AAT_REP23c_contrib_stats_within_time_p...	40 KE
AAT_REP3_full_record_via_EDT.sqr	13 KE
AAT_REP3_full_record_via_EDT.sqr	11 KE
AAT_REP4_full_record_via_adhoc.sqr	11 KE
AAT_REP5_full_report_by_editor.sqr	13 KE
AAT_REP6_full_merged_record_report.sqr	16 KE
AAT_REP7_full_report.sqr	45 KE
AAT_REP7_hier_full_report.sqr	47 KE
AAT_REP9_hier_alt_pref.sqr	19 KE
TGN_REP11_brief_results_by_editor.sqr	11 KE
TGN_REP12_brief_results_by_coop.sqr	17 KE
TGN_REP13_brief_results_by_diaorlic.sqr	17 KE
TGN_REP14_brief_results_by_adhoc.sqr	10 KE
TGN_REP19_citations_check.sqr	10 KE
TGN_REP23a_total_rec_editor_stats.sqr	33 KE
TGN_REP23b_total_stats_within_time_peri...	38 KE
TGN_REP23c_contrib_stats_within time p...	13 KE



### Documentation and training are important

## What do we do?

## Implementing Vocabularies for Retrieval



**Search**

Search P Search res Search resu

**• ULAN is used to aid retrieval on Getty site**  
**• We're still working on user interface, etc.**

- *Honthorst is not among the top hits, requires a second click; is this okay?*
- *How will we use the hierarchy of the AAT & TGN*
- *How will we search across collections, in DBs*

You searched for **gherardo della notte**  
Did you mean to search for one of the following?  
Honthorst, Gerrit van (11 results)

results 1-10 of 43

Next >

Gherardo Starnino (Getty Museum)  
A biography of the artist Gherardo Starnino from the J. Paul Getty Museum's collection.

Madonna and Child with Musical Angels (Getty Museum)  
A work by Gherardo Starnino from the J. Paul Getty Museum's collection.

Girolamo della Robbia (Getty Museum)  
A biography of the artist Girolamo della Robbia from the J. Paul Getty Museum's collection.

Bust of a Man (Getty Museum)  
A work by Girolamo della Robbia from the J. Paul Getty Museum's collection.

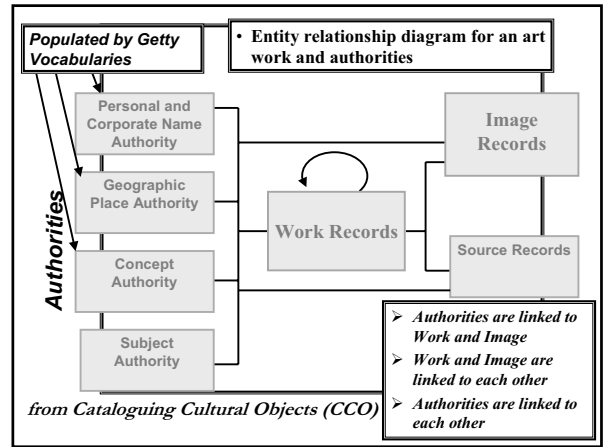
La Verma: Chapel of Giovanni (Getty Museum)  
A work by Jacopo Ligazzi from the J. Paul Getty Museum's collection.

Windsor Raphael Drawings (Getty Press Release)  
Exquisite drawings by Raphael, his teachers, and his assistants on loan from the Royal Library at

# Using Vocabularies for Cataloguing

Getty Vocabularies are sets of standard terminology that typically form an integral part of an institution's local vocabulary

- A combination of vocabularies will be necessary
  - Required terms may be outside the scope of a given vocabulary
  - No single vocabulary is comprehensive for its scope
- Local authorities should be populated with published vocabularies and local terminology



What is an Authority?

- **Authority record:** Controlled vocabulary implemented for the purpose of controlling terminology in catalog records. Includes one or more names or headings (typically one is "preferred"), cross references, notes, and other information about a person, place, or thing.
- **Authority file:** A collection of authority records.

Work Record

- Record Type [cont.]: Item • Class [cont.]: manuscripts
- Work Type [link to Concept Authority]: illumination
- Title: Barefoot Youth
- Creator Display: Riza (Persian, ca. 1565-1635)
- Role [cont.]: illuminator
- link to Person/Corp. Authority: Riza
- Creation Date ca. 1600 [cont.]: Start: 1590
- End: 1610
- Subject [link to Concept Authority]: illumination
- Current Location [link to Geographic Place Authority]: National Museum of Art and Arthur M. Sackler Gallery (Washington, D.C.)
- Creation Location [link to Geographic Place Authority]: Esfahan province, Iran
- Measurements [link to Measurement Authority]: height: 16 inches; width: 16 inches
- Material/Technique [link to Material/Technique Authority]: ink, and gold; watercolor
- Inscriptions: [link to Text Authority]
- Description: [link to Text Authority]

Fields in a record for a work of art

Work Record

- Record Type [cont.]: Item • Class [cont.]: manuscripts
- Work Type [link to Concept Authority]: illumination
- Title: Barefoot Youth
- Creator Display: Riza (Persian, ca. 1565-1635)
- Role [cont.]: illuminator
- link to Person/Corp. Authority: Riza
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- Measurements [link to Measurement Authority]: height: 16 inches; width: 16 inches
- Material/Technique [link to Material/Technique Authority]: ink, and gold; watercolor
- Inscriptions: [link to Text Authority]
- Description: [link to Text Authority]

Personal and Corporate Name Authority Record

- Record Type [controlled]: person
- Names:
  - Riza (preferred)
  - Reza
  - Riza-yi 'Abbasi
  - Aqa Riza Kashani
- Display Biography: Persian court artist, ca. 1565-1635
- Nationalities [controlled]: Persian
- Birth Date: 1560; Death Date: 1635
- Life Roles [cont.]: painter; court artist
- Place of Birth [link to Geographic Place Authority]: Kashan (Esfahan province, Iran)
- Place of Death [link to Geographic Place Authority]: Esfahan (Esfahan province, Iran)
- Place of Activity [link to Geographic Place Authority]: Mashhad (Khorasan, Iran)
- Related People:
  - Relationship [link to Person/Corp. Authority]: painter, active ca. 1565-1635
  - Note: Riza, son of Safavid shah Abbas I, painted portraits and genre scenes. His attributions and signatures are ambiguous.
  - Source [link to Text Authority]: Union List of Artist Names

Authority Record for a Person linked to a Work Record

- When authorities are linked to Works and Images, information need be entered only once: e.g., variant names, dates of birth and death, nationality, etc.

Populated by ULAN

Authority for geographic locations

Populated by TGN

Geographic Place Authority Record


- Record Type [controlled]: administrative entity
- Names:
  - Karnak (preferred)
  - Al-Karnak
  - El Kharnak
- Display Broader Context [link to Geographic Place Authority]: Qina governorate, Egypt
- Hierarchical Position [link to Geographic Place Authority]:
  - Africa (continent)
  - Egypt (nation)
  - Upper Egypt (region)
  - Qina (governorate)
  - Karnak (inhabited place)
- Place Type [controlled]:
  - inhabited place
- Coordinates [controlled]:
  - Lat: 25 43 00 N degrees minutes
  - Long: 032 39 00 E degrees minutes
  - (Lat: 25.7167 decimal degrees)
  - (Long: 32.6500 decimal degrees)
- Note: Village on E bank of the Nile in Upper Egypt; with Luxor, Karnak is on the site of ancient Thebes; location of temple of Amen, considered one of the finest examples of early New Kingdom religious architecture; also has many Middle Kingdom remains.
- Sources [link to Source Records]:
  - Getty Thesaurus of Geographic Names (1988-)
  - NIMA, GEOnet Names Server (2000-) (accessed 04/18/2003)

**Work Record:**

- Record Type [controlled]: item
- Class [controlled]: Antiquities
- vase painting -vessels
- Work Type [link to Concept Authority]: Panathenaic amphora

**Panathenaic amphora**

- Title: Panathenaic Prize Amphora and Lid
- Creator Display: attributed to the Painter of the Wedding Procession (as painter; Greek, 4<sup>th</sup> century BCE); signed by Nikodemus (as potter; Greek, active 4<sup>th</sup> century BCE in Athens)
- Qualifier (cont.): attributed to \*Role (cont.): painter
- link to Person/Corp. Authority: Painter of the Wedding Procession
- Role (cont.): potter
- link to Person/Corp. Authority: Nikodemus
- Creation Date: 363/362 BCE



**Concept Authority Record:**

- Terms
- Panathenaic amphora (preferred, singular)
- Panathenaic amphorae (preferred, plural)
- Panathenaic amphoras
- amphora, type c neck amphora, type lic
- Hierarchical position [links]
- Objects Facet
- Furnishings and Equipment
- Containers
- storage vessels> amphorae
- neck amphorae
- Panathenaic amphora

**Note:** Refers to amphorae that were filled with olive oil from the sacred trees of Athens, given as prizes in the Panathenaic Games. They were neck amphorae with a large, broad body sharply tapering downward and a relatively thin neck. The standard decoration included images of Athena on one side and the contest at which the prize was won on the other, usually in the Black-figure technique.

**Source [link]: Art & Architecture Thesaurus (1988-)**

**Authority for work type, materials and techniques, and subject**


**Populated by AAT**

**Work Record:**

- Record Type [cont.]: item
- Class [cont.]: photograph
- Work Type [link]: Albumen print
- Title/Name: The Eiffel Tower: State of the Construction
- Creator Display: photographer: Louis-Emile Durandelle (French, 1832-1923)
- Role [cont.]: photographer
- link: Durandelle, Louis-Emile
- Creation Date: November 23, 1888
- Start: 1888
- End: 1888

**Subject [link to authorities]: Eiffel Tower**

- Current Location [link]: J. Paul Getty Museum (Los Angeles, California, USA); 87.XM.121.16
- Measurements: 17 x 13 3/4 inches
- Value: 13.75 Unit
- Materials and albumin print
- Style [link]: Be
- Description: The short of the tower photographed to emphasize its barely visible in tower's arches.
- Source: Getty



**Built Work Authority:**


- Record Type [cont.]: item
- Class [cont.]: architecture
- Work Type [link]: observation tower
- Title/Name: Eiffel Tower
- Alternative Title/Name: Tour Eiffel
- Former Title/Name: Three-Hundred-Metre Tower
- Creator Display: architect: Gustave Eiffel (French, 1832-1923)
- Role [cont.]: architect
- link: Eiffel, Gustave
- Creation Date: 1887 to 1889
- Start: 1887
- End: 1889
- Subject [link to authorities]: industrial exposition -International Exposition of 1889
- Current Location [link]: Paris (France)
- Measurements: height: 300 m (984 feet)
- Value: 300 Unit
- m Type: height
- Materials and Techniques: wrought iron, exposed iron construction
- link to Concept Authority: wrought iron

**Other authorities are required, e.g., for built works**

**Getty vocabularies do not provide all necessary terminology**

**Work Record:**

- Record Type [controlled]: item
- Class [controlled]: Precolombian art
- Work Type [link]: vessel
- Title: Vessel with Mythological Scene
- Creator Display: unknown Maya
- Role [cont.]: artist
- link: unknown Maya
- Creation Date: 8th century
- Start: 0700
- End: 0750
- Subject display: Scene in the realm of the Lords of Death, with Baby Jaguar and a skeleton
- link to authorities: Xibalbá (Maya iconography)
- underworld -skeleton -death -ax -altar -celebration
- Baby Jaguar
- Current Location [link]: York, USA
- ID: 1978.41
- Creation Location [link]:
- Measurements: height: 14
- Value: 14
- Materials and Techniq: Straight-sic comprising complex scene The "codex-style" painting Death, where a dancing f handstone. On a monste beside the altar is a danc been variously interprete
- Note Source [link]: Metr February 2004)



**Subject Authority Record**

- Subject Names:
  - Xibalbá (preferred)
  - Place of Fear
  - Underworld
- Hierarchical Position [link]: Maya iconography
- legends from the Popol Vuh
- Xibalbá
- Indexing Terms [cont.]: underworld -demons -Hero Twins -Vucub-Camé (demon) - Hun-Camé (demon)
- Note: In the creation myth of the highland Quiché Maya, the underground realm called Xibalbá was ruled by the demon kings Hun-Camé and Vukub-Camé. It was a dangerous place accessed by a steep and difficult path. The Hero Twins, Hun-Hunapú and Vukub-Hunapú, were lured to Xibalbá by a ball game challenge, but were then tricked and slaughtered. However, the twins were avenged by Hun-Hunapú's sons, Hunapú and Xbalanqué.
- Sources [links]:



**Other authorities are required, e.g., for iconographic subjects**

## Major Users of Our Vocabularies

- In collections management systems
  - Available as licensed files
    - Relational Tables
    - XML
    - MARC
  - over 200 licenses
    - released annually
- Online "browsers"
  - released monthly


[http://www.getty.edu/research/conducting\\_research/vocabularies/](http://www.getty.edu/research/conducting_research/vocabularies/)

1889 Revs oper dates

## Major Users of Getty Vocabularies

- Getty projects and others
- Information Professionals
  - Museums
  - Visual resource specialists
  - Librarians
  - Archivists
- Academics
  - Art history
  - Architectural history
  - Archaeology
  - History
- Systems implementors, vendors, Vocabulary providers



## Research

EXPLORE ART Visitor Guide About Us Search Site Map

Research Home Conducting Research Learn at

Getty Thesaurus of

Finding the terms in the online source

conducting Research Scholarly Activities About the Research Institute

Search the TGN

Find Name: athens

Place Type: Search

Location: Clear

Pop-up Search: Browse the TGN hierarchies

Copyright information

Related Sections

- Learn about the Getty Vocabularies
- Contribute to the Getty Vocabularies
- Recently Asked Questions
- Getty Vocabularies Download Center

See Also

- AAT
- ULAN
- Email Vocabulary Program

• cataloguers consult Web browsers & cut & paste or transcribe terms

ND and OR (e.g., 1 san their) 4) san AND (carlo's OR charles) AND be in all caps (AND and truncation only). To find use quotes (e.g., when the Find Name, Place Type, and Nation fields.

Please note our new interface with improved functionality and search capabilities. Details can be found in the updated help.

Research  
© 2004 J. Paul Getty Trust

Getty Thesaurus of Geographic Names® Online  
Search Results

Find Name: **athens** **Retrieve 50 results**

Place Type: Vernacular Display | English Display

Nationality: 50 results

Click the icon to view the hierarchy.  
Check boxes to view multiple records at once.

- Athens ..... (inhabited place)  
(World, Europe, Greece, Periferia Protevousis) [7001393]  
Vernacular: Athina
- Athens ..... (inhabited place)  
(World, North and Central America, Canada, Ontario) [1014561]
- Athens ..... (inhabited place)  
(World, North and Central America, United States, Alabama, Limestone county) [2002521]
- Athens ..... (inhabited place)  
(World, North and Central America, United States, Arkansas, Howard county) [2007639]
- Athens ..... (inhabited place)  
(World, North and Central America, United States, Georgia, Clarke county) [7013329]
- Athens ..... (inhabited place)  
(World, North and Central America, United States, Illinois, Menard county) [2026415]

Full Record Display

**Data displayed in the full record**

Click the icon to view the hierarchy.

ID: **7001393** Record Type: administrative

**Athens (inhabited place)**

Coordinates:  
Lat: 38 00 00 N degrees minutes Lat: 38.0000 decimal degrees  
Long: 023 44 00 E degrees minutes Long: 23.7333 decimal degrees

Note: Was ancient metropolis of great importance; settled in Neolithic times; Acropolis fortified by 1200 BC; became great city-state, ruling & colonizing over wide area; was center of culture influencing all of the Western world in philosophy, theater & art.

Names:  
Athinal (preferred, C,V,I)  
Athinal (C,O,I)  
Athens (C,O,I,English-P)  
Athenas (C,O,I)  
Athènes (C,O,I)  
Athene (C,O,I)  
Atheneae (H,V,I) ..... Roman name  
Athinal (H,V,I) ..... ancient Greek name  
Athine (H,V,I)

Hierarchical Position:  
World (facet)  
Europe (continent)  
Greece (nation)  
Periferia Protevousis (region)

**Browse the hierarchies**

Getty Thesaurus of Geographic Names® Online  
Hierarchy Display

Click the icon to view the hierarchy.  
Check the boxes to view multiple records at once.

- Top of the TGN hierarchy (hierarchy root)
- World (facet)
- Europe (continent)
- Greece (nation)
- [ view physical features ]
- Aegean Islands (region)
- Ambracia (general region)
- Amklythra (general region)
- Central Greece and Euboea (region)
- Crete (region)
- Dikili Tash (archaeological site)
- Epirus (region)
- Ionian Islands (region)
- Macedonia (region)
- Peloponnese (region)
- Periferia Protevousis (region)
- Thessaly (region)
- Western Thrae (region)

**Example of a cataloguing system**

Licensed files may be implemented in a museum system

- Vocabulary may be controlled by the system
- Populated with published vocabularies and local terminology

The Museum System  
Curator Approved  
The NUMBER CH  
Decorat

Classification  
Decorative Arts  
Period

Constituent(s)  
Artist: Attributed to Cressent, Ch  
Owner: The J. Paul Getty Muse  
Vendor: French and Company

Title  
Pair of Fire Dogs

User-defined fields  
Field name: Fire value: [ ]

Object level: Level 1  
Object count: [ ]  
Loan Class: [ ]

Record info  
ObjectID: 8239  
Conversion: 11/09/97 7:04:45 PM  
Cataloguer: [ ]  
Curator: [ ]  
Curator revision date: [ ]

Attributes  
Type: Material  
Value: 100 Animals / Natural World  
Subject: Salfors  
Words: Art, Firedogs, Firepla, Accessories / Architecture and

Front Card, Notes, Documentation, Media, Content, Other

**Example of a cataloguing system**

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Field name: Fire value: [ ]

Attributes  
Type: Material  
Value: 100 Animals / Natural World  
Subject: Salfors  
Words: Art, Firedogs

firedogs

Curator, Curator revision date

Front Card, Notes, Documentation, Media, Content, Other

**Example of a cataloguing system**

Variant terms provide access

Using the unique ID of the AAT term allows for updates when the AAT changes

The Museum System

andirons  
andiron  
fire-dogs  
fire-dogs  
dogs, fire  
chenets  
chenet

Find Terms  
AAT  
AAT

Thesaurus Manager  
AAT  
AAT

Full Path: Art & Architecture  
SCOPE NOTE: Devices with a horizontal bar on a vertical shaft, supported by short legs, used to support things in a room.  
HISTORY NOTE: January 1996 descriptor added

**Example of a vocabulary tool**

WebChoir Tools for the Getty Vocabularies

You do many things to ensure the usefulness of your information resources. If you've ever wished to describe, catalog, document or index information in more depth or more logically or even more specifically for your collections and target audiences, it may be important to consider some alternatives.

**WebChoir's End-to-End Solution**

Search & Retrieve, Enhance & Index, Build & Maintain

Click here to see enlarged image

- Thesaurus tool may be used with various information systems

**Issues**

**Why local vocabularies are necessary**

- Compound terms: local systems require compound terms & headings (e.g., "Baroque cathedral" = style plus object type)
- Terms outside scope of published vocabularies: local cataloguing requires terms outside the scope of 3 Getty vocabs (e.g., building names, iconography such as "Adoration of the Magi," "Xibalbá")
- Terms unsuitable for published vocabularies: some local terms in fact inhibit usefulness of Getty vocabs (e.g., first name only "Giovanni" disrupts useful retrieval outside the local environment)
- Getty vocabs too big for local implementation: local cataloguing is more consistent if a selected, customized subset of Vocab terms is used (e.g., to avoid errors in cataloguing that occur if cataloguer can potentially choose terms that are out-of-scope for the particular project or field)

**Bilingual versions of the AAT**

- Dutch: Carried out by the Netherlands Institute for Art History: [www.rkd-db.nl/aat/index.html](http://www.rkd-db.nl/aat/index.html)
- Spanish: Carried out by the Centro de Documentación de Bienes Patrimoniales, Santiago de Chile: [www.aatespanol.cl](http://www.aatespanol.cl)

RDMZ Nederlandse Art & Architecture Thesaurus

Term: trompe l'oeil (Ned)

Used for: Semantische Factoren

Seen from: Ruïnestone

Related Term: quodlibet (Ned)

Scope note: Frans woord voor misleiding van het oog, wordt gebruikt bij tekenen die zo realistisch lijken dat de toeschouwer de afgebeelde objecten of figuren als echt in plaats van imaginair beschouwt.

Terminummer: 56506

record from Dutch translation of the AAT

File Edit View Favorites Tools Help

Buscar Salir

Descriptor Principal: retablo (hispanoamericano)

Campo Jerárquico: Obras Visuales (VC)

Descriptor en Inglés: retablos

Nota de Aplicación: Pinturas de temas religiosos católicos producidas en México y los Estados Unidos españoles desde tiempos coloniales españoles. El tema puede incluir eventos milagrosos en donde individuos que dedican las pinturas son asistidos a través de la intervención divina de los personajes sagrados representados. Son usualmente pintados en colores brillantes, usualmente óleo o tempera, en paneles de materiales locales tales como pino o hierro plateado con estaño, y realizados como ofrendas de devoción real.

Nota Histórica

record from Spanish translation of the AAT

Tesoro Regional de Arqueología DIBAM (v1.0 - Año 2003) - Microsoft Internet Explorer

Tesoro Regional Arqueológico: [www.tesoroarqueo.cl](http://www.tesoroarqueo.cl)

Descriptor Principal: parkawa

Campo Jerárquico

ID del Descriptor

Descriptor en Inglés

Nota de Aplicación: Jarro rana

Nota Histórica

Chilean thesaurus native terms for archaeological objects