



Getty Vocabulary Program: What We Do

WITH A BRIEF HISTORY

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Managing Editor

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Getty Vocabulary Program

WHAT ARE THE GETTY VOCABULARIES?

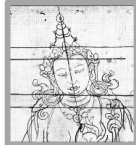
Catalog, index, document, retrieve, research, discover

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Getty Vocabularies

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

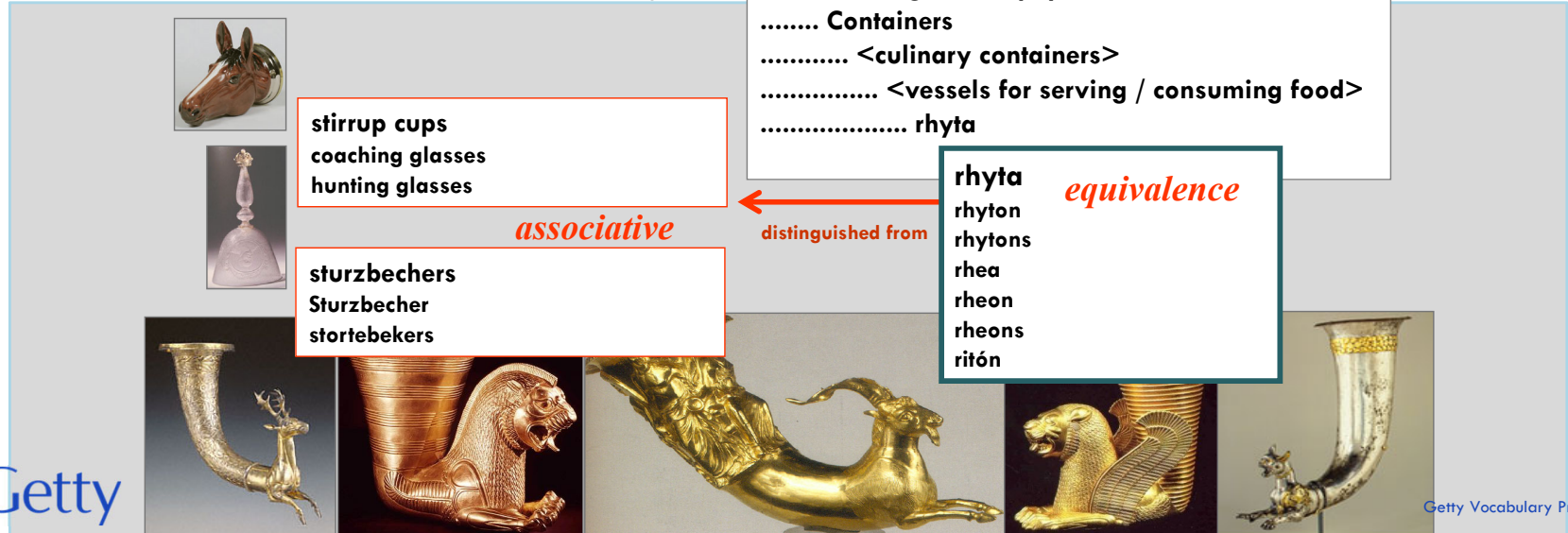


- **AAT**, the *Art & Architecture Thesaurus*® includes generic terms, relationships, sources, and notes for work types, roles, materials, styles, cultures, and techniques (e.g., *amphora*, *oil paint*, *olieverf*, *peintures à l'huile*, *acetolysis*, *玉器*, *Jadekünste*, *sintering*, *orthographic drawings*, *Olmeca*, *Rinascimento*, *Buddhism*, *watercolors*, *asa-no-ha-toji*)
- **TGN**, the *Getty Thesaurus of Geographic Names*® includes names, relationships, and coordinates for current and historical cities, nations, empires, archaeological sites, lost settlements, and physical features; through LOD, TGN may be linked to GIS and maps (e.g., *Diospolis*, *Acalán*, *Ottoman Empire*, *Mogao*, *Ch'ien-fu-tung*, *Ganges River*, *गंगा नदी*)
- **ULAN**, the *Union List of Artist Names*® includes names, relationships, notes, sources, and biographical information for artists, architects, firms, studios, repositories, patrons, sitters, and other individuals and corporate bodies, both named and anonymous (e.g., *Mark Rothko*, *Cai Xiang*, *葵囊*, *Crevole Master*, *Riza Abbasi*, *Altobelli & Molins*, *Rajaraja Museum*)
- **IA**, the *Getty Iconography Authority*™ includes proper names, relationships, and dates for iconographical narratives, religious or fictional characters, historical events, names of literary works and performing art (e.g., *Adoration of the Magi*, *Viaggio dei Re Magi*, *Flood of Deucalion*, *French Revolution*, *Olouaipipilele*, *Xibalba*, *Niflheim*, *शिव*, *Shiva*, *Bouddha couché*)
- **CONA**, the *Cultural Objects Name Authority*® includes titles, artist attribution, creation dates, relationships, and location for works of art, architecture, and other cultural works, whether extant or destroyed (e.g., *The Lacemaker*, *La Dentellière*, *Merlettaia*, *Lion Throne Room*, *神奈川冲浪*, *Great Wave*, *Die große Welle*, *Chayasomesvara Temple*, *Hagia Sofia*, *Αγία Σοφία*)

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Getty Vocabularies are thesauri

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



Objects Facet *hierarchical*

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

stirrup cups
 coaching glasses
 hunting glasses

sturzbechers
 Sturzbecher
 stortebekers

rhyta *equivalence*
 rhyton
 rhytons
 rhea
 rheon
 rheons
 ritón

distinguished from

associative

Scope of each Getty Vocabulary



AAT

Art & Architecture Thesaurus®

Includes **generic terms**, dates, relationships, sources, and notes for **work types, roles, materials, styles, cultures, techniques, and other concepts**

Five Getty Vocabularies

Getty

Sample record

AAT_ID: 300011329

Terms:

bas-reliefs (pref, en, fr)

bas-relief (en, fr)

low reliefs (en)

bas-reliefs (nl)

travertino (es)

bassorilievo (it)

bajos relieves (es)

travertin (fr)

Flachreliefs (de)

淺浮雕 (雕塑)(zh; Chinese traditional)

qiǎn fú diāo (Chinese (transliterated Hanyu Pinyin))

qian fu diao (Chinese (transliterated Pinyin without tones))

ch'ien fu tiao (Chinese (transliterated Wade-Giles))

Hierarchical Relationships

Objects Facet

.. Visual and Verbal Communication

.... Visual Works

..... <visual works by material or technique>

..... sculpture (visual works)

..... <sculpture by technique>

..... reliefs (sculptures)

..... bas-reliefs (sculpture)

Associative Relationships

produced by ...

bas-relief (technique) [300053623]

distinguished from ...

high reliefs (sculpture) [300184782]

Scope Notes:

- Refers to works executed in relatively shallow relief. (en)
- Beeldhouwwerken uitgevoerd in relatief laag reliëf. (nl)
- Útese para obras ejecutadas en relieve relativamente superficial. (es)
- 指浮雕圖案較淺的作品。 (zh)
- Bezeichnet eine Arbeit, die in relativ flachem Relief ausgeführt ist. (de)

Contributors: AS-Academia Sinica, CDBP-DIBAM, GCI, ICCD, IfM-SMB-PK, RKD, AAT-Ned, VP

Sources: AATA database (2002-) 120890; Avery Index (1963-); Grove Art Online; Oxford English Dictionary; Lucie-Smith, Thames & Hudson Dictionary of Art Terms (2006); Ching, Diccionario Visual de Arquitectura (1997); Preble and Preble, Artforms (1989); RIBA, Architectural Keywords (1982); Van Dale groot woordenboek (1994); IfM Berlin; TAA database (2000-); AAT-Ned (1994-)



Getty Vocabulary Program

Scope of each Getty Vocabulary



TGN

*Getty Thesaurus of
Geographic Names®*

Focuses on places relevant to **art, architecture**, and related disciplines, recording names, relationships, place types, dates, notes, and coordinates for **current and historical cities, nations, empires, archaeological sites, lost settlements, and physical features**

Is a thesaurus, but through LOD
TGN may be linked to
GIS and maps

Getty

Sample record

TGN_ID: 300011329

Names:

Siena (pref, en,it,de,nl,fr,es)
 Sienna (en, it)
 Sienne (fr)
 Σιένα (el)
 锡耶纳 (zh)
 Сиена (ru)
 הנה"ו (he)
 シエーナ (ja)
 Sienese (en,adj)
 Senae (historical, la)
 Saena Julia (historical, la)
 Sena (historical, Etruscan)

Contributors: BHA, FDA, GRLPSC, VP

Sources: *Annuario Generale* (1980); *Canby, Historic Places* (2007) 2/861; *Dizionario Corografico Toscana* (1977) 1508; *Library of Congress Subject Headings* (2002-); *Milanesi, Storia dell'Arte Senese* (1969) *passim*; *NGA/NIMA database* (2003-) -129709; *TCl: Toscana* (1984) 479 ff; *Times Atlas of the World* (1992) 183; *UNESCO World Heritage Centre [online]* (1992-) accessed 20 July 2010; *Webster's Geographical Dictionary* (2007) 1114

Hierarchical Rels. (*polyhierarchical*)

World (facet)
 .. Europe (continent)
 ... Italy (nation)
 Tuscany (region)
 Siena (province)
 Siena (inhabited place)

World (facet)
 .. Europe (continent)
 ... Italian Peninsula (peninsula)
 Etruria (former confederation)
 Siena (inhabited place)
 Historical: Late Etruscan

Associative Rels

ally of Pisa ..(inhabited place) [7006082]
 Ghibelline allies, 13th-14th centuries

Place Types **AAT** **LINKS**
 inhabited place ... by Et
 (flourished by 6th century BCE)

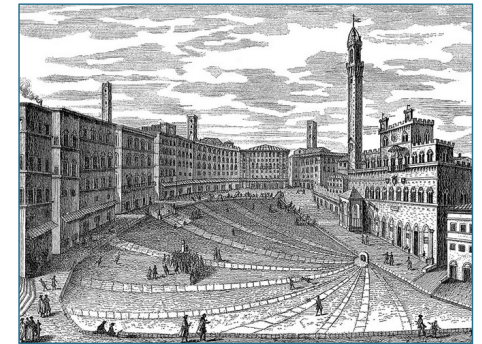
city
 archiepiscopal see
 commune (administrative) since 1125
 cultural center
 university center
 world heritage site

Lat: 43 19 07 N (43.3180)

Long: 011 19 50 E (11.3300)

Elevation: 1056.430 feet (322.0000 meters)

Note: Siena was founded as an Etruscan hill town; later was the Roman city of Sena Julia (3rd century BCE). It flourished under the Lombard kings (6th century CE) and was Medieval self-governing commune ...



Getty Vocabulary Program

Scope of each Getty Vocabulary



ULAN

Union List of Artist Names®

Includes names, relationships,
notes, sources, and biographical
information for **artists,**
architects, firms, studios,
repositories, patrons, sitters,
and other individuals and
corporate bodies, both named
and anonymous

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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

Gaudi, Antoni

Gaudi, Antonio

אנטוני גאודי, 'אנטי (he)

安东尼·高迪 (zh)

Contributors:

VP,JPGM,Avery,FRICK, WCI,Prov,GRLPSC,BHA,CCA

Sources: Avery Authority files (1963-); Avery Index to Architectural Periodicals (1963-); Grove Art artist database (1989-); Grove Dictionary of Art online (1999-2002) accessed 13 August 2003; Harald Szeemann papers, Finding Aid, GRI Special Collections (2011-); Library of Congress Authorities database (n.d.) n 79079077

Nationalities:

Spanish (pref)

Catalan

Roles: **AAT**

artist (pref)

architect

landscape architect

furniture designer

Gender: male

Birth and Death Places: **TGN**

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]



LINKS



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Scope of each Getty Vocabulary



IA

Getty Iconography Authority

New resource that focuses on subjects and topics relevant to art, architecture, and related disciplines

Includes multilingual and multicultural proper names, relationships, and dates for **iconographical narratives, religious or fictional characters, themes, historical events, and named literary works and performing arts**

Getty

Sample record

IA_ID: 1000085

Names:

Avalokiteshvara (en)

Avalokiteśvara (en)

Avalokitesvara (en)

अवलोकितेश्वर (sa)

ལྷན་རལ་གཟེགས (bo)

Spyan ras gzigs (Tibetan transliterated)

AAT links

role/characteristic is ... bodhisattva

symbolic attribute is ... lotus

culture/religion is ... Mahayana (Buddhism)

culture/religion is ... Theravada (Buddhism)

AAT
TGN
ULAN
CONA

Hierarchical Relationships

Top of the IA hierarchies

Legend, Religion, Mythology

Buddhist iconography

Buddhist characters

Avalokiteshvara (Buddhist iconography)

LINKS

Associative Relationships

associated with Krishna (Hindu deity)

counterpart is Guanyin (Buddhist bodhisattva)

counterpart is Tara (Hindu-Buddhist deity)

has as manifestation Amoghapasa (Buddhist character)

author of Great Compassion Mantra (incantation, Buddhist, translated 7th/8th century)

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...



Contributors & sources

[VP,Rijksmuseum] Encyclopedia Britannica Online (2002-); Bowker, Oxford Dictionary of World Religions (1997); Huntington, Art of Ancient India (1985); **LC:** LC control no.: sh 85010492

LINKS to other resources: LOC, Iconclass

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Scope of each Getty Vocabulary



CONA

Cultural Objects Name
Authority®

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**

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Sample record

CONA ID: 700000141

Titles/Names:

Hagia Sophia (en)
Ayasofya (tr)
Αγία Σοφία (el)
Agia Sofia
Agia Sophia
Haghia Sophia
Sainte-Sophie (fr)
Santa Sofia (es)
Sancta Sophia (la)
Sancta Sapiencia (la)
Holy Wisdom (en)
Saint Sophia (en)
圣索菲亚大教堂 (zh)

Catalog Level: item

Work Types:

church (historical) **AAT**
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)



ULAN

LINKS

Locations:

Current: Istanbul (Turkey)

TGN

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 **AAT**

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

Styles:

Byzantine | Ottoman **AAT**

General Subject:

architecture **Type:** isness
religion and mythology **Extent:** purpose

AAT
TGN
ULAN
CONA
IA

Specific Subjects:

Holy Wisdom (Christian allegory)

Contributors:

VP; BWR

Sources: Maidstone, Hagia Sophia (1988); Built Works Registry
database (2015-) BWR3782560; Fleming, Penguin Dictionary of
Architecture (1999); Theoharidou, Architecture of Hagia Sophia
(1988); UNESCO World Heritage Centre [online] (1992-) C356

Getty Vocabulary Program

ORIGINS

Catalog, index, document, retrieve, research, discover

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Getty Vocabulary Program

History of the Getty Vocabularies

Catalog, index, document, access, research, discover

- Getty was a trailblazer in
 - a) committing resources to standards and vocabularies for art information, and
 - b) bringing together disparate communities under Getty leadership
- AAT, ULAN, and TGN were begun in 1979-1980s
- Formerly part of the Art History Information Program



Partial group of AHIP staff
at new Getty Center, 1997

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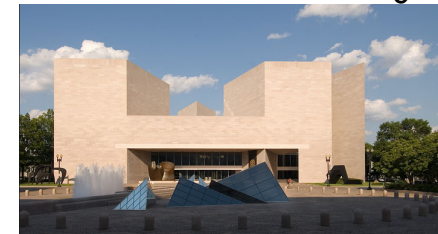
History of the Getty Vocabularies

- Getty Vocabularies were envisioned as tools to address needs of the art information, collecting, and research communities, to support indexing and retrieval, scholarly discovery
- From the beginning, meant to be authoritative (not authoritarian), compliant with standards, containing rich data and links
- Designed separately, united at Getty AHIP
- Thanks to an army of visionaries and editors, including Toni Petersen, Eleanor Fink, Henry Millon, Murtha Baca, Jim Bower, Patricia Harpring
- AAT began at Williams College, developed by a panel of experts; support from CASVA and Getty

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Williams College



CASVA at NGA

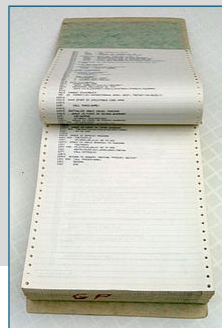
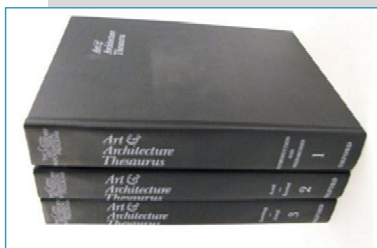


J. Paul Getty Trust

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History of the Getty Vocabularies

- AAT candidates were submitted on thousands of paper forms; published warrant was required
- From user community: visual resources collections, art libraries, art repositories, some from conservation
- Entered by hand in a custom-made editorial system, vetted by a dozen editors
- AAT and ULAN were published as books; soon available on diskettes, then online in 1997



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AAT TERM: Platinum prints P.O.S.: _____ ID# _____

OTHER FORMS: _____

HER: ve

LCSH BTG 189
 RILA
 Avery
 RIBA
 Chenhall

PAGE 1 OF 2
 EDITOR: _____
 DATE: 8/16/89

| BROADER & RELATED TERMS (USE "<" NOTATION AS NEEDED) | TYPE | BROADER & RELATED TERMS (USE "<" NOTATION AS NEEDED) | TYPE |
|--|------|--|------|
| <u>Photoprints</u> | | | |

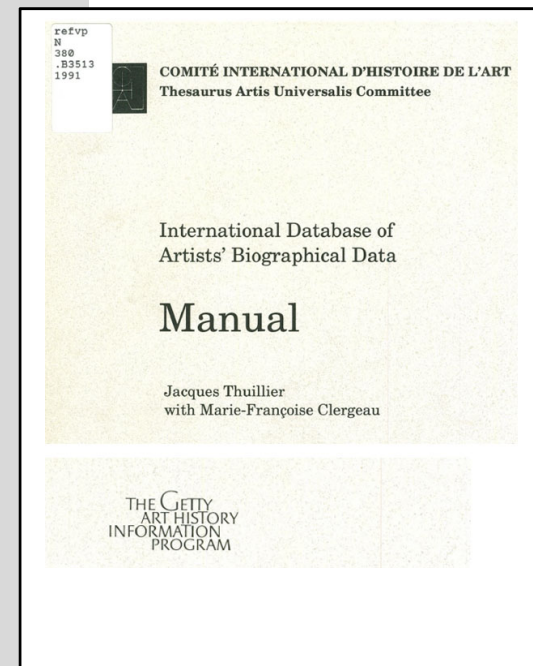
| S | TERM AS FOUND IN SOURCE | P/N/P | SOURCE | PG. | VOL. | NO. | SOURCE DEFINITION | AAT |
|---|--------------------------------------|-------|----------------|------------|------|--------------|---|-----------|
| m | <u>Platinum prints</u> | | <u>Whitton</u> | <u>174</u> | | | | |
| | whitton's platinum prints | | | | | | | |
| m | <u>Platinum prints</u> | | <u>Wood</u> | <u>382</u> | | <u>under</u> | <div style="background-color: #90EE90; padding: 5px;"> Platinotypes accepted as and term RILA 12/88 </div> | <u>SS</u> |
| m | <u>Platinum prints</u> | P | <u>AMC</u> | | | | | |
| m | <u>Platinum prints</u> | P | <u>CRETE</u> | | | | | |
| u | <u>Platinotypes</u> | P | <u>GMGRC</u> | | | | | |
| u | <u>Platinum photoprints</u> | P | <u>GMGRC</u> | | | | | |
| u | <u>Platinotypes</u> | P | <u>SAPSP</u> | | | | | |
| u | <u>Platinum photoprints</u> | P | <u>SAPSP</u> | | | | | |
| u | <u>Platinotypes</u> | P | <u>DH</u> | <u>16</u> | | | § 1.1.16.1.6.11 BTG (iron salt process)/prints | |
| m | <u>Platinum prints</u> | P | <u>DH</u> | <u>16</u> | | | | |
| u | <u>Platinotypes</u> | P | <u>HCOF</u> | | | | | |

Getty Vocabulary Program

History of the Getty Vocabularies

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

- ULAN and TGN were informed by the CIHA TAU (*Thesaurus Artis Universalis*) for artists and places important to art history
- Advised by expert committees
- Core initial data was compiled from existing Getty projects' data and freely available US government geographic resources
- CONA & IA were based on the CDWA (*Categories for the Description of Works of Art*) model, which itself was the result of user community consensus on best practice



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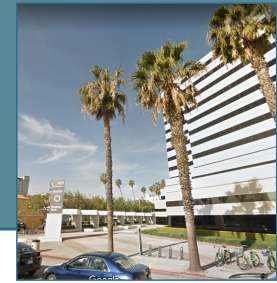
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History of the Getty Vocabularies

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

- AHIP resided at Getty offices in Santa Monica until 1997
- When the Getty Center opened, we moved
- Our core activity has always been to acquire, process, and disseminate the Getty vocabularies to our core users
- Variety of formats, XML, Relational Tables, APIs, and LOD
- AAT, ULAN, TGN, CONA, and IA all share the same core data structure and the same core editorial rules
- From the beginning, they have been valued as authoritative because they are compiled by experts, contributors and sources are cited, and persistent numeric IDs identify the records, terms, other data associated with each concept

Getty



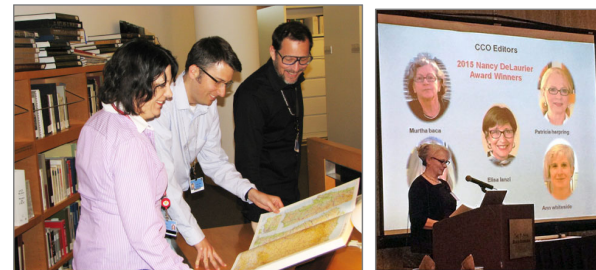
AHIP at 4th & Wilshire,
Santa Monica



History of the Getty Vocabularies

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

- The Getty Vocabularies grow daily
- Compiled through contributions from qualified, trained individuals representing institutions (visual resources collections, museums, art libraries, bibliographic indexing projects, international translation projects)
- Technical support for loading and dissemination from Getty Digital (formerly Getty ITS)
- The Vocabulary Program also creates materials and conducts training, workshops, and various publications covering the creation, contribution, and use of the Vocabularies
- From the beginning, our work has been done in consultation with the user community
E.g., the International Terminology Working Group



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```

Getty Vocabulary Program

AVAILABLE GETTY VOCABULARY RESOURCES

Catalog, index, document, retrieve, research, discover

Getty

Getty Vocabulary Program

To find resources, start on the landing page

The screenshot shows the homepage of The Getty Research Institute. At the top, there is a navigation menu with links for Exhibitions & Events, Special Collections, Library, Search Tools & Databases, Scholars & Projects, Publications, and About the GRI. Below the navigation is a search bar and options to Print or Share. The main content area is titled 'Getty Vocabularies' and includes an introductory paragraph: 'The Getty Vocabularies are available as Linked Open Data, XML, Relational Tables, and through APIs. Learn more.' Below this, there are two columns: 'The Art & Architecture Thesaurus (AAT)' and 'The Getty Thesaurus of Geographic Names (TGN)'. To the right, there is a 'Linked Open Data' logo and a 'See What's New' section with statistics: 'Growing through contributions: AAT conservation terms: 10,500; translations: Dutch: 63,300; Spanish: 56,200; Chinese: 92,700; German: 21,000'. At the bottom, there is a 'Have a Question?' section with links to 'Contact the Vocabulary Program' and 'Subscribe to GRI News'.

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The Getty Research Institute

Exhibitions & Events | Special Collections | Library | Search Tools & Databases | Scholars & Projects | Publications | About the GRI

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Search Tools & Databases

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- Getty Research Portal
- Collection Inventories & Finding Aids
- Photo Archive
- Research Guides & Bibliographies
- Digital Collections
- Article & Research Databases
- Collecting & Provenance Research
- BHA & RILA
- ▼ Getty Vocabularies
 - ▶ Art & Architecture Thesaurus (AAT) ©
 - ▶ Cultural Objects Name Authority (CONA) ©
 - ▶ Getty Thesaurus of Geographic Names (TGN) ©
 - ▶ Union List of Artist Names (ULAN) ©
 - ▼ **Contribute**
 - Contributors
 - Editorial Guidelines

Contribute to the Getty Vocabularies

The Getty vocabularies are compiled resources that grow through contributions from Getty projects and other institutions. Contributors to the Getty vocabularies include museums, libraries, archives, special collections, visual resources collections, bibliographic and other documentation projects, and large translation...

Why contribute?
The Getty vocabularies are recognized as premier resources for indexing information about art, architecture, and related disciplines. By contributing, you benefit from having their data incorporated in standard vocabularies for use and for the use of the broader community for linking, research, and discovery.

How to contribute
Contributions must meet the following criteria: they must be submitted by an authorized contributor; must be within scope of the vocabulary; must contain minimum information; and must be submitted in the prescribed format below. By contributing data to the vocabulary, the contributor agrees that the data becoming a permanent part of the vocabulary, which is made available in various formats, including as Linked Open Data. See the [Quick Reference Guide](#).

XML contribution format
Contributions for AAT, TGN, ULAN, CONA, and the IA are being accepted in our prescribed *Getty Vocabulary XML Schemas for Contributions*. Schemas for TGN, and ULAN and a new schema for CONA are available in zipped files.

Have a Question?
 Contact the Vocabulary Program

Contributors to the Getty Vocabularies

The Getty vocabularies grow in large part through continued efforts and contributions from the expert user community. Below is a list of contributors to the Getty vocabularies. The list is extensible and subject to frequent updates.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

| Brief Name | Full Name |
|--------------------|---|
| A | |
| AAT-AD | AAT Advisory Committee (Williamstown, Massachusetts) |
| AS-Academia Sinica | Academia Sinica (Academia Sinica; Nankang, Taiwan) |
| TELDAP-now AS | Academia Sinica as Taiwan E-Learning & Digital Archives Program (Nankang, Taiwan) |
| AAM | Ackland Art Museum (Chapel Hill, North Carolina) |
| AKAG | Albright-Knox Art Gallery (Buffalo, New York) |
| AC | Allegheny College (Allegheny, Pennsylvania) |
| AAC | American Art Collaborative (United States) |
| AASLH | American Association for State and Local History (Nashville, Tennessee) |

Getty Vocabulary Program

Editorial Guidelines

These documents contain information about editorial practice for the Art & Architecture Thesaurus (AAT)®, the Getty Thesaurus of Geographic Names (TGN)®, the Union List of Artist Names (ULAN)®, the Cultural Objects Name Authority (CONA)®, and the Getty Iconography Authority (IA)™. The guidelines are subject to frequent modification and addition.

Purpose of these guidelines

These editorial guidelines for the AAT, ULAN, TGN, CONA, and IA are intended for contributors to the Getty vocabularies. References to the in-house editor (Vocabulary Coordination System), may appear. Contributors to the AAT, CONA, IA, and implementers of the vocabulary data should consult these guidelines for extrapolating information and guidance appropriate for their

- [Editorial Guidelines: Art & Architecture Thesaurus \(AAT\)](#)
- [Editorial Guidelines: Getty Thesaurus of Geographic Names \(TGN\)](#)
- [Editorial Guidelines: Union List of Artist Names \(ULAN\)](#)
- [Editorial Guidelines: Cultural Objects Name Authority \(CONA\)](#)
- [Editorial Guidelines: Getty Iconography Authority \(IA\)](#)
- [Overview for contributions \(PDF, 8.7 MB, 139pp\)](#)
- [AAT Translations: Multilingual Equivalency Work](#)
- [News: Recently added Getty vocabulary records \(Revised August 2017\) \(PDF, 1.3 MB, 84pp\)](#)
- [Editorial issues and contributions \(August 2017\) \(PDF, 1.3 MB, 84pp\)](#)
- [Editorial issues and contributions 2 \(August 2016\) \(PDF, 1.3 MB, 84pp\)](#)
- [Technical issues: Part 1 \(August 2016\) \(PDF, 3.5 MB, 34pp\)](#)
- [Technical issues: Part 2 \(August 2017\) \(PDF, .4 MB, 12pp\)](#)

3.3.2.5 RULES for Terms

3.3.2.5.1 *Minimum requirements*

Required: Record at least one term for the concept record. If a concept is known by multiple terms, include them in repeating instances of this field. All terms in one record must be true synonyms.

3.3.2.5.2 *How to record Terms*

- It is required to record at least one term -- the *record-preferred term*, which is the word or phrase used most often in scholarly literature to refer to the concept. Excluded are proper names of persons, organizations, geographic places, named subjects, and named events.
- **Warrant for terms**
The *descriptor* must be found in at least three authoritative sources. All other terms, including *alternate descriptors* or *used for terms*, must be found in at least one authoritative source.

List as many synonymous terms or translated terms as have at least one legitimate source or have been contributed by an authorized translation project.

3.3.2.5.3 *Alphabet and diacritics*

- **For the descriptor**
Use the Roman alphabet to record the record-preferred term. The record-preferred term should typically be in English, if possible. Other terms in the record may be in other alphabets and writing systems.

There may be a preferred term for each language.

Express terms in Unicode.

4.4.2 Contributing Large Translations

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 rather 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 equivalencies in the AAT.

- Contact the [Getty Vocabulary Program](#) before beginning a translation project.
- Follow the guidelines in the [AAT Editorial Guidelines](#).
- For each language, organize the translations as a unified project managed by the participating translating institutions.
- Assemble an expert team for translations, including experts in both a) the content and b) the source and target languages.
- Organize the work logically, either a) working facet by facet or b) using a two-step approach, by first mapping existing terminology in the target language back to the master AAT, and then proceeding

Training Materials

The documents on this page include presentations and other training materials for the Art & Architecture Thesaurus (AAT)®, the Getty Thesaurus of Geographic Names (TGN)®, the Union List of Artist Names (ULAN)®, the Cultural Objects Name Authority (CONA)®, the Getty Iconography Authority (IA)™, Categories for the Description of Works of Art (CDWA), Cataloging Cultural Objects (CCO), and standards in general. These materials are subject to frequent modification and addition.

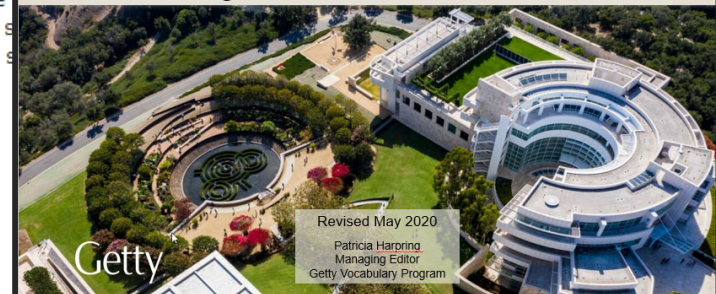
- [Getty Vocabularies and Contributing](#)
- [Getty Vocabularies: Conferences, Linked Open Data, Technical Issues](#)
- [Cataloging, CDWA, and Other Standards](#)
- [International Terminology Working Group](#)

Getty Vocabularies and Contributing

Presentations describing the history, scope, and characteristics of the Getty Vocabularies and how to contribute to them. For more details on contributions, see [Contributing to the Getty Vocabularies](#). For detailed editorial rules for contributing, see the [Editorial Guidelines](#). For comprehensive information on controlled vocabularies, see [Introduction to Controlled Vocabularies](#).

- [Introduction to Controlled Vocabularies: Companion to the Book \(2019\)](#) (PDF, 9.2 MB, 91pp)
- [Overview of the Getty Vocabularies \(2019\)](#) (PDF, 8.5 MB, 79pp)
- [Abridged Overview of the Getty Vocabularies \(2019\)](#) (PDF, 8.4 MB, 43pp)
- [Multilingual Equivalency: Translating the AAT \(2019\)](#) (PDF, 7.6 MB, 99pp)
- [Contributing to the Getty Vocabularies \(2019\)](#) (PDF, 15.4 MB, 197pp)
- [Indexing Art Information with Getty Vocabularies \(2019\)](#) (PDF, 12.1 MB, 129pp)
- [AAT: Introduction and Overview \(2016\)](#) (PDF, 11.3 MB, 228pp)

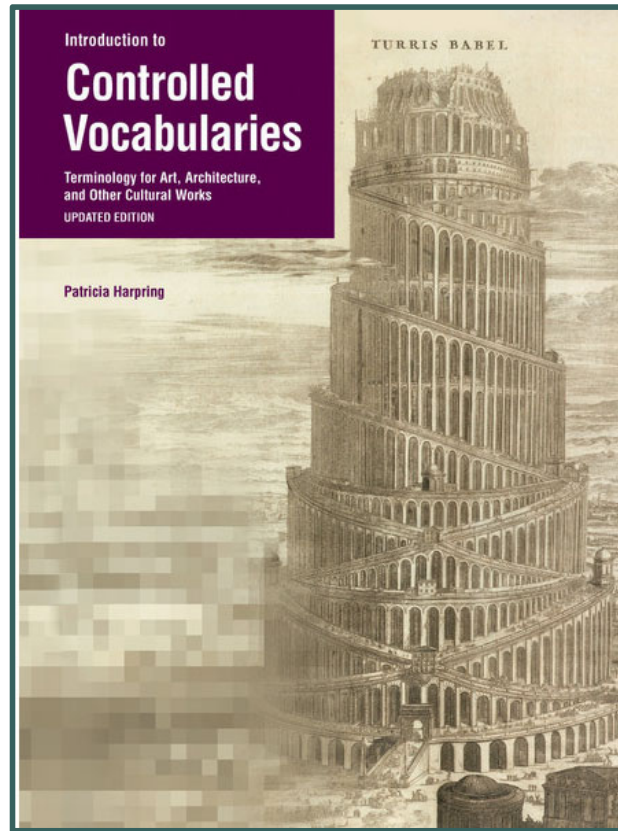
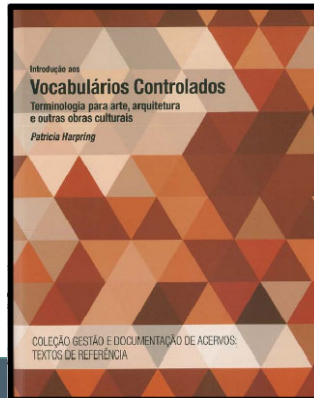
Multilingual Equivalency: Translating the Art & Architecture Thesaurus



Getty Vocabulary Program

Patricia Harpring
Series edited by Murtha Baca

This primer on the characteristics, scope, uses, and methods for building and maintaining controlled vocabularies for art and cultural materials explains how vocabularies should be integrated in cataloging systems; utilized for indexing and retrieval; and structured to group synonyms and arrange concepts into categories.



Getty Vocabularies Frequently Asked Questions

- Is it possible to obtain the Getty vocabulary data?
- What is the history of the Getty vocabularies?
- Getty Vocabulary Program: What do we do?
- Why isn't the term I need in the vocabularies?
- How do I know which is the "correct" term in a vocabulary record?
- Who contributes to the Getty vocabularies?
- What are the sources of information for the vocabularies?
- How often is the information updated?
- What areas are currently being developed in the vocabularies?
- Do the Web versions of the AAT, ULAN, TGN, CONA, and IA contain all available data from the vocabularies?
- Are there diacritics (accent marks) in the vocabulary data?
- How may I cite the vocabularies in MARC?

Is it possible to obtain the Getty vocabulary data?

The three published Getty vocabularies, AAT, TGN, and ULAN, CONA, and IA, are made available in Web search interfaces to support limited research and cataloging efforts. Companies and institutions interested in regular or extensive use of the vocabularies may use AAT, TGN, or ULAN in XML format, relational tables, or as [Linked Open Data](#). The new Getty resources, CONA and IA, are currently in development and not yet available as data files.

Obtain the Getty Vocabularies

How to obtain the Getty Vocabulary data

- **Licensing:** All Getty Vocabulary data found on this site are made available openly and free from fees under the [Open Data Commons Attribution License \(ODC-By\) 1.0](#). Data has been compiled from various institutional contributors using published sources; the contributor and sources should be cited along with the Getty as attribution.
- **On the Getty Web site:** Users may search for individual terms and names in the [Getty Vocabularies online](#). The data is refreshed monthly. The Getty Vocabularies are made available via this Web interface to support limited research and cataloging efforts. See below how URIs may be used to refer to the vocabulary records on this site.
- **LOD formats:** Users may acquire the full data for AAT, TGN, and ULAN, in JSON, RDF, N3/Turtle, and N-Triples through our [Linked Open Data \(LOD\) project](#). Data is refreshed monthly.
- **Additional formats:** The AAT, ULAN, and TGN are available in monthly releases of XML and relational tables. The data are also available via Web Services, refreshed monthly.

See links to the full data sets, data dictionaries, and more information at the [Download Center](#).

NOTE: Any or all of these additional formats will likely be discontinued in the future. Please plan your transition to accessing the Getty Vocabulary releases in LOD formats.

- **Outside availability:** *Incorporated in vendors' systems:* The Getty Vocabularies may be found in various collection management systems or

Getty

Getty Vocabularies as Linked Open Data

Do you Use the Getty Vocabularies LOD? Take the [Survey](#) and help us improve our services.



The Getty vocabularies are constructed to allow their use in linked data. A project to publish them to the LOD (Linked Open Data) cloud is underway. The documents on this page contain news and presentations about releasing the Getty vocabularies as LOD. These materials are subject to frequent modification and addition.

- [News and Status of the Project](#)
- [URIs \(Uniform Resource Identifiers\)](#)
- [What Is LOD?](#)
- [Introduction to Getty Vocabularies as LOD \(PDF, 3.8 MB, 46pp\)](#)
- [List of External Advisors \(PDF, 88KB, 7pp\)](#)

The AAT, TGN, and ULAN are now available as LOD. They are published under the [Open Data Commons Attribution License \(ODC-By\) 1.0](#). CONA is being mapped to CIDOC CRM.

- **Attention developers and programmers:** Technical documentation to assist in exploring the AAT, TGN, and ULAN data is available at the SPARQL endpoint at vocab.getty.edu

News and Status of the Project

Getty Vocabulary Program

Art & Architecture Thesaurus® Online

Search the AAT [? Help](#)

Find Term or ID: [Search](#)

AND OR [Clear](#)

Note:

[Pop-up Search](#) [Browse the AAT hierarchies](#)

[Copyright information](#)

Search Tips

For the Find Term or Note field, you may use **AND** and **OR** (all in upper case) [e.g., 1) windsor chairs, 2) chairs OR rockers, 3) chairs OR rockers OR armchairs, 4) bow-back AND windsor, 5) windsor AND (rockers OR chairs), 6) (windsor OR boston) AND (rockers OR chairs)]. Wildcard is the asterisk (*); right truncation only. To find an exact match rather than a key word in the Find Term field, use quotes [e.g., "chairs"]. If you wish to search the term and note together, click on the buttons for AND or OR.

About the AAT

Learn about the purpose, scope and structure of the AAT. The AAT is an evolving vocabulary, growing and changing thanks to contributions from Getty projects and other institutions. Find out more about the AAT's contributors.

F.A.Q. about the AAT

Here you will find a list of the most frequently asked questions about the thesaurus.

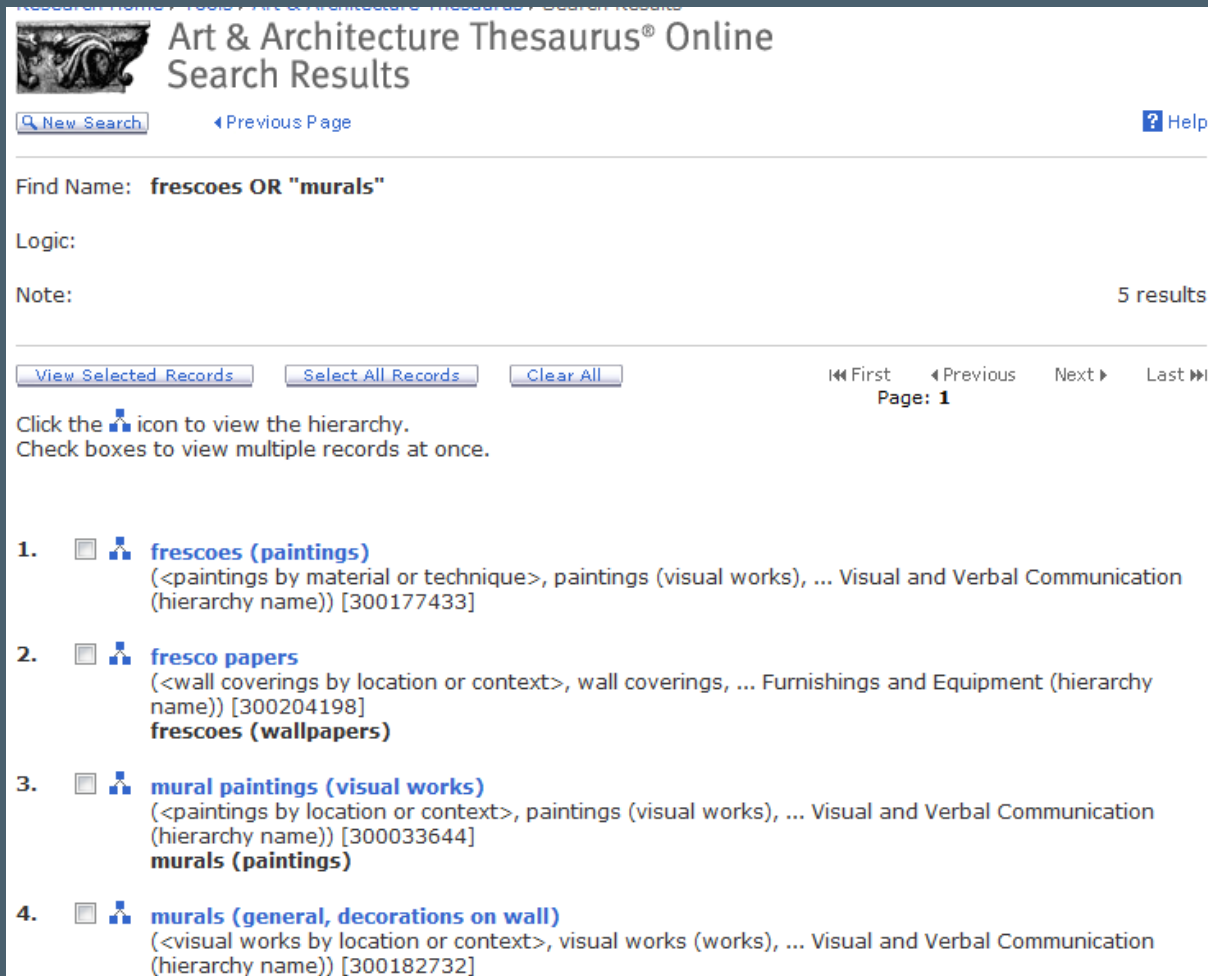
AAT@getty.edu

[Click here](#) to send a message to the AAT editors.





Getty Vocabulary Program

Millions of records are available,
refreshed monthly

Getty




The screenshot shows the search results for the query "frescoes OR murals". The page title is "Art & Architecture Thesaurus® Online Search Results". The search criteria are "Find Name: frescoes OR 'murals'", "Logic:", and "Note: 5 results". Navigation buttons include "New Search", "Previous Page", and "Help". Action buttons include "View Selected Records", "Select All Records", and "Clear All". Navigation controls include "First", "Previous", "Next", and "Last", with "Page: 1" displayed. A note instructs users to click the hierarchy icon to view the hierarchy and check boxes to view multiple records at once. The results list four items:

-  **frescoes (paintings)**
(<paintings by material or technique>, paintings (visual works), ... Visual and Verbal Communication (hierarchy name)) [300177433]
-  **fresco papers**
(<wall coverings by location or context>, wall coverings, ... Furnishings and Equipment (hierarchy name)) [300204198]
frescoes (wallpapers)
-  **mural paintings (visual works)**
(<paintings by location or context>, paintings (visual works), ... Visual and Verbal Communication (hierarchy name)) [300033644]
murals (paintings)
-  **murals (general, decorations on wall)**
(<visual works by location or context>, visual works (works), ... Visual and Verbal Communication (hierarchy name)) [300182732]

Getty Vocabulary Program

Included are rich data,
links to other formats

Getty


Click the  icon to view the hierarchy.

[Semantic View](#) ([JSON](#), [RDF](#), [N3/Turtle](#), [N-Triples](#))

ID: 300134708

Page Link: <http://vocab.getty.edu/page/aat/300134708>

Record Type: [concept](#)

 **photomurals** (<photographs by processing or presentation technique>, <photographs by technique>, ... Visual and Verbal Communication (hierarchy name))










Note: Large photographic prints used as wall decorations.

Terms:

- photomurals** ([preferred](#),C,U,English-P,D,U,PN)
- photomural** (C,U,English,AD,U,SN)
- mural photographs** (C,U,English,UF,U,N)
- murals (photographs)** (C,U,English,UF,U,N)
- photographic murals** (C,U,English,UF,U,N)
- photo-murals** (C,U,English,UF,U,N)
- photo murals** (C,U,English,UF,U,N)
- 照片壁畫 (C,U,Chinese (traditional)-P,D,U,U)
- 壁畫式照片 (C,U,Chinese (traditional),UF,U,U)
- zhào piàn bì huà (C,U,Chinese (transliterated Hanyu Pinyin)-P,UF,U)
- zhao pian bi hua (C,U,Chinese (transliterated Pinyin without tones)
- chao p'ien pi hua (C,U,Chinese (transliterated Wade-Giles)-P,UF,U)
- fotobehangsels (C,U,Dutch-P,D,U,U)
- fotobehangsel (C,U,Dutch,AD,U,U)
- Großfotos (C,U,German,D,PN)
- Großfoto (C,U,German-P,AD,SN)
- Fotowand (C,U,German,UF,SN)
- Fotowände (C,U,German,UF,SN)
- fotomurali (C,U,Italian-P,D,U,PN)
- fotomurales (C,U,Spanish-P,D,U,PN)
- fotomural (C,U,Spanish,AD,U,SN)

Facet/Hierarchy Code: [V.VC](#)

Hierarchical Position:

-  Objects Facet
-  Visual and Verbal Communication (hierarchy name) (G)
-  Visual Works (hierarchy name) (G)
-  visual works (works) (G)
-  <visual works by material or technique> (G)
-  photographs (G)
-  <photographs by technique> (G)
-  <photographs by processing or presentation technique> (G)
-  photomurals (G)

Additional Notes:

- Chinese (traditional)** 意指作為牆面裝飾用的大型照片印相。
- Dutch** Behangselpapier op basis van een fotografische afdruk gebruikt als muurverf
- German** Große Fotografie, die als Wanddekoration verwendet wird.
- Spanish** Úse para impresiones fotográficas de gran tamaño usadas en decoración

Sources and Contributors:

- 照片壁畫..... [AS-Academia Sinica Preferred]
- 藝術名詞與技法辭典 p. 339
- 壁畫式照片..... [AS-Academia Sinica]
- 智慧藏百科全書網 March 26, 2012
- chao p'ien pi hua..... [AS-Academia Sinica]
- TELDAP database (2009-)
- fotobehangsel..... [RKD, AAT-Ned]
- AAT-Ned (1994-)
- [S]Color Fotoyaklab
- fotobehangsels..... [RKD, AAT-Ned Preferred]
- AAT-Ned (1994-)
- [S]Color Fotoyaklab

Getty Vocabulary Program

Primary areas of activity of the Getty Vocabulary Program and Getty Digital technical support

- Contributions
- Processing
- Outreach
- Training
- Publications
- Dissemination
- Integration
- Tools

Getty

Getty Vocabulary Program

MORE ABOUT OUR ACTIVITIES

Catalog, index, document, retrieve, research, discover

Getty

Getty Vocabulary Program

The mission of the Getty Vocabulary Program (GVP) is to produce rich, structured, authoritative vocabularies, in compliance with international standards, that provide a powerful conduit for inter-related, linked, and meaningful research, discovery, and understanding of the visual arts and their various histories, in collaboration with the international community, and utilizing training and outreach to inform the field.

One of our primary goals is to broaden and enrich the scope and coverage of the Getty Vocabularies to become ever more multilingual, multicultural, inclusive, and representative of the subjects and priorities of the GRI, the Getty, and global art history.

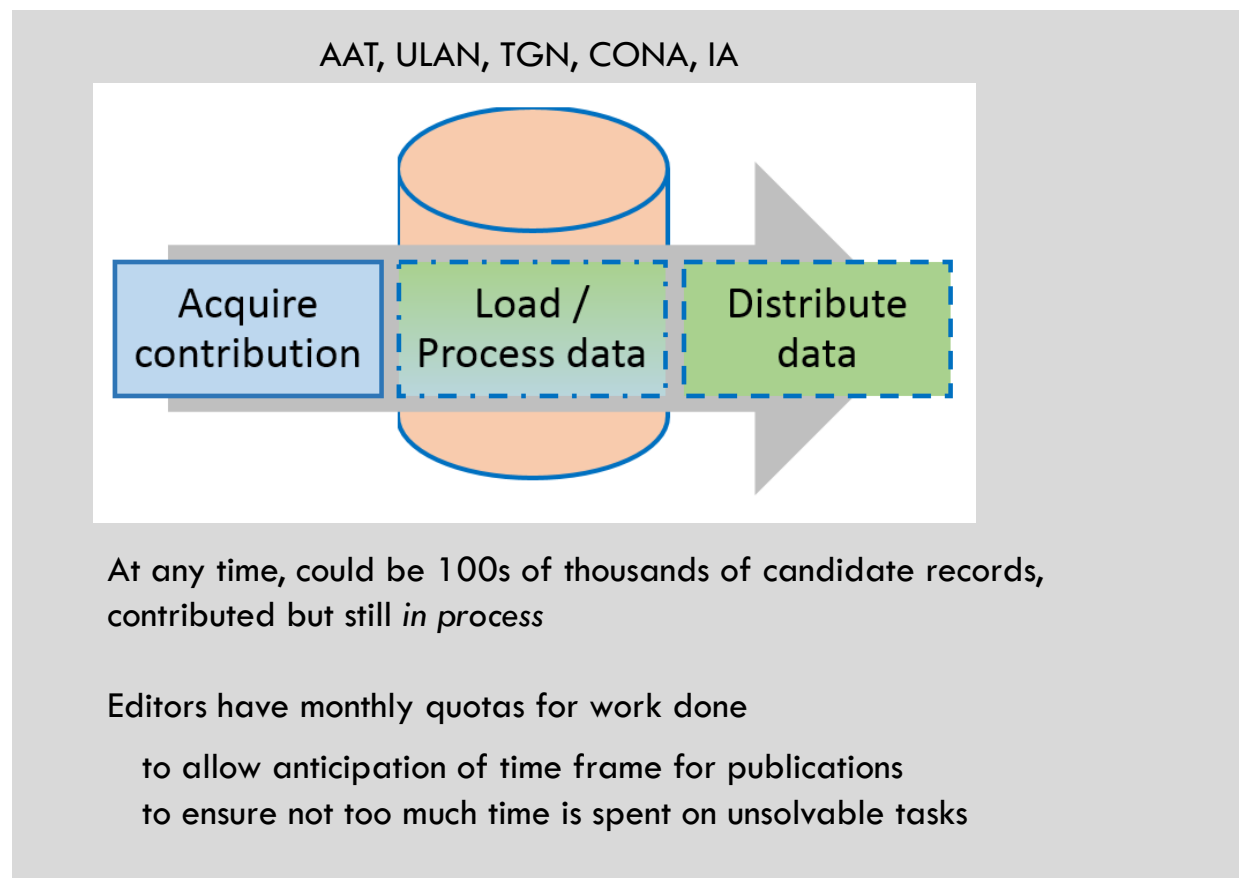
Getty

Getty Vocabulary Program

Basic workflow

- Contributors' data is loaded by the Getty Digital team and processed by the Getty Vocabulary Program
- Data is merged, normalized, and published
- Exported data is refreshed for users every month
- Releases: Online search, Web services APIs, LOD, XML, and relational tables

Getty



Getty Vocabulary Program

Who are the contributors?

- Getty projects
- 300 institutions, consortia, other expert groups

How is the data generated?

- They may research and create original data for the purpose of contribution
E.g., translations: Spanish, Dutch, Chinese, German
- Or may map data already collected in the course of their own work
E.g., repositories and documentation projects
- Contributions:
10s of thousands per year

Getty

Getty projects are major contributors

| | | |
|-------------------------|-------------------|------|
| Provenance Index | GRI Photo Archive | GCI |
| GRI Special Collections | GRI Library | JPGM |

Examples of other contributors

Centro de Documentación de Bienes Patrimoniales, Santiago
 Netherlands Institute for Art History
 Staatliche Museen zu Berlin Preussischer Kulturbesitz
 Academia Sinica of Taiwan
 Canadian Heritage Information Network
 Istituto Centrale per il Catalogo e la Documentazione, Rome
 Avery Architectural & Fine Arts Library
 Courtauld Institute
 Canadian Centre for Architecture
 Frick Art Reference Library
 Indiana University Digital Collections
 Harry Ransom Center, University of Texas at Austin
 Bunting Visual Resources Library, U. of New Mexico
 Pinacoteca do Estado de São Paulo
 Rijksmuseum in Amsterdam
 Mystic Seaport Museum in Connecticut
 Smithsonian National Museum of African Art
 Grove Art online
 Florentine Codex

National documentation agencies, proj.

Image collections, libraries

Art repositories

Publishers

Research Proj.

Coordinating contributions

- Nurturing relationships with contributors
- Advising re. mapping their existing data to format for loading into our editorial system
E.g., GRI Szeemann finding aids to ULAN
- Advising re. translation methodology and content issues
- Meetings and online conversations

Getty

The **International Terminology Working Group (ITWG)**—a collective of metadata and controlled vocabulary professionals and scholars from North America, Europe, Asia, and the Middle East—meet every year or so to discuss four AAT translation Projects (including the Dutch AAT), as well as new projects, the other vocabularies, and overall the challenges and opportunities in developing and maintaining multilingual electronic thesauri for use by cultural heritage institutions



Getty Vocabulary Program

Steps for receiving and processing contributions

- Communication with the Getty Vocabulary Program
- Are you mapping existing data or making new records?
- Small contributions via email or online contribution form
- Larger contributions are bulk loads
- Click through the contribution agreement
- Send sample files, back-and-forth if there are problems
- Send full data files for bulk loads
- Data must be normalized, reconciled, transformed, and loaded
- Data is vetted, processed, and edited as necessary
- May include merging, if incoming record matches an existing record
- Data is moved from candidate to non-candidate
- Data is published with regular monthly contributions

Merging candidate data in one record



- Getty vocabularies merge contributed records representing the same concept
- Example from ULAN: Three contributions; are any of these records for the same person?
Yes, 1st and 3rd rows
- Merged by algorithm, if possible; if not, merged by editors ; OpenRefine reconciliation tool being developed

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

Publishing data

- Contributors' data is loaded and processed by the Getty Digital technical team and the Vocabulary Program editorial team
- Data is merged, normalized, and published
- Refreshed for users every two weeks
- Releases: Online search, XML, relational tables, APIs, LOD



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

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Getty Vocabulary Program

Resulting ULAN record is a merged, homogenous entity




Union List of Artist Names® Online
Full Record Display


[New Search](#)

[Previous Page](#)

[Help](#)

Click the  icon to view the hierarchy.

[Semantic View \(JSON, JSONLD, RDF, N3/Turtle, N-Triples\)](#) [Represent](#)

 **Guardi, Francesco** (Italian painter, 1712-1793)

Note: Venetian painter, during the first half of his career worked on decorations and church paintings; later became a vedutista (view painter) of Venetian urban life.

Names:

- Guardi, Francesco** ([preferred](#), [V](#), [index](#), [LC](#))
- Francesco Guardi** ([V](#), [display](#))
- Gardi, Francesco** ([V](#))
- Garde, Francesco** ([V](#))
- Gardis, Francesco** ([V](#))
- Gauda, Francesco** ([V](#))
- Guada, Francesco** ([V](#))
- Guarde, Francesco** ([V](#))
- Guardet, Francesco** ([V](#))
- Gvardi, Franchesko** ([V](#))
- Guardi, François** ([V](#))
- Guardi, Francisko** ([V](#))

Contributors

AVERY, BHA, GRISC, GRL, GRLPA, PROV, VP, WCI, WCP, WL-Courtauld

Sources

- Avery Authority files (1963-)
- Harald Szeemann papers, Finding Aid, GRI Special Collections (2011-)
- J. Paul Getty Museum, collections online (2000-)
- Library of Congress Authorities database (n.d.) [n 50074509](#)
- M. Knoedler & Co. records, Finding Aid, GRI Special Collections (2012-)
- Provenance Index Databases, Authority file (1985-)
- RILA/BHA (1975-2000)
- Witt Library, Authority files

Merged in one record

Attribution to contributor and source is maintained, but merged and unified, and various “preferred” data is flagged

Getty

Getty Vocabulary Program

Resulting ULAN record is a merged, homogenous entity



Union List of Artist Names® Online
Full Record Display

[New Search](#)

[Previous Page](#)

Click the icon to view the hierarchy.

[Semantic View \(JSON, JSONLD, RDF, N3/Turtle, N-Triples\)](#) [Represent](#)

Guardi, Francesco (Italian painter, 1712-1793)

Note: Venetian painter, during the first half of his career he worked on decorations and church paintings; later became a vedutista (view painter) of Venetian urban life.

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- Gardis, Francesco** ([V](#))
- Gauda, Francesco** ([V](#))
- Guada, Francesco** ([V](#))
- Guarde, Francesco** ([V](#))
- Guardet, Francesco** ([V](#))
- Gvardi, Franchesko** ([V](#))
- Guardi, François** ([V](#))
- Guardi, Francisko** ([V](#))

Getty

Contributors

AVERY, BHA, G
Courtauld

Sources

Avery Authority
Harald Szeem
Collections (20
J. Paul Getty M
Library of Con
M. Knoedler &
Collections (20
Provenance Inc
RILA/BHA (197
Witt Library, A

Nationalities:

Italian ([preferred](#))

Venetian

AAT

Roles:

artist ([preferred](#))

painter

landscapist

AAT

Gender: male

Birth and Death Places:

TGN

Born: [Venice \(Venezia province, Veneto, Italy\) \(inhabited place\)](#)

Died: [Venice \(Venezia province, Veneto, Italy\) \(inhabited place\)](#)

Related People or Corporate Bodies:

member of [Guardi family](#)

(Italian painters, active 18th century) [500060865]

parent of [Guardi, Giacomo](#)

(Italian painter, 1764-1835) [500023608]

sibling by marriage (in-law) of [Tiepolo, Giovanni Battista](#)

(Venetian painter, 1696-1770)

[500018523]

Cecilia Guardi married Tiepolo in 1719

sibling of [Guardi, Antonio](#)

(Italian painter, 1699-1760) [500025094]

sibling of [Guardi, Niccolò](#)

(Italian painter, 1715-1785) [500029088]

Getty Vocabulary Program

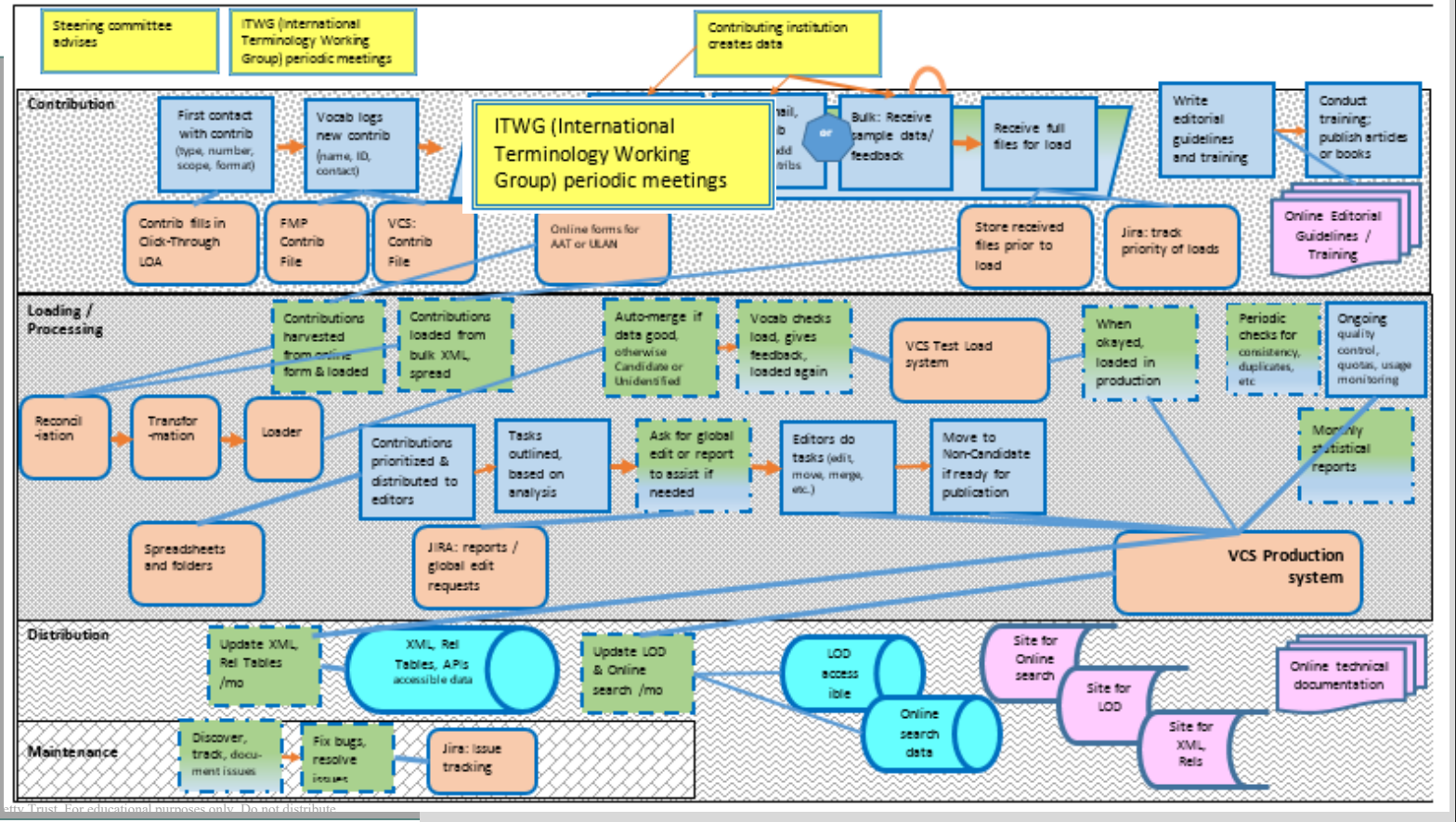


Merged information,
redundancy eliminated

Note links to other ULAN
records, to AAT and TGN

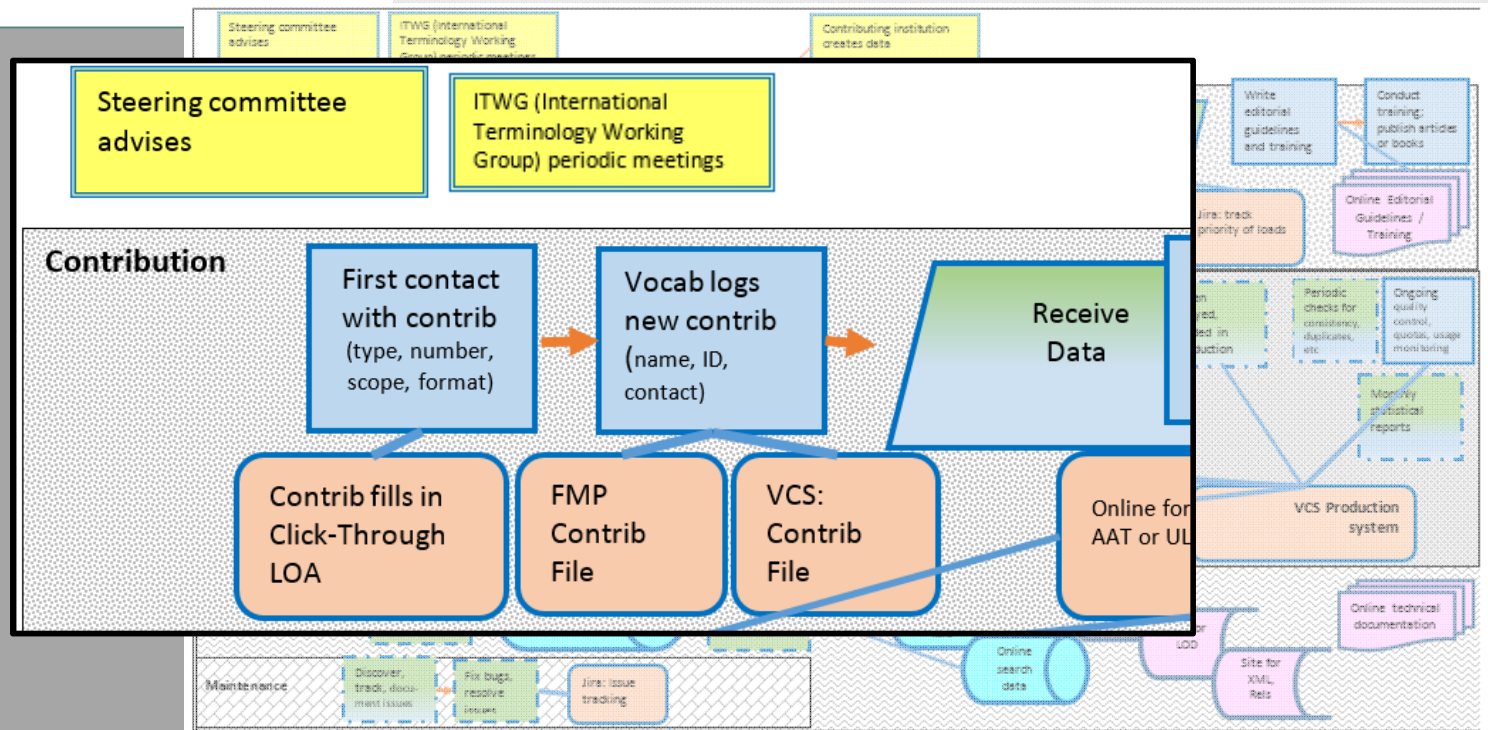
ULAN

Systems / Procedures diagram: Getty Vocabularies

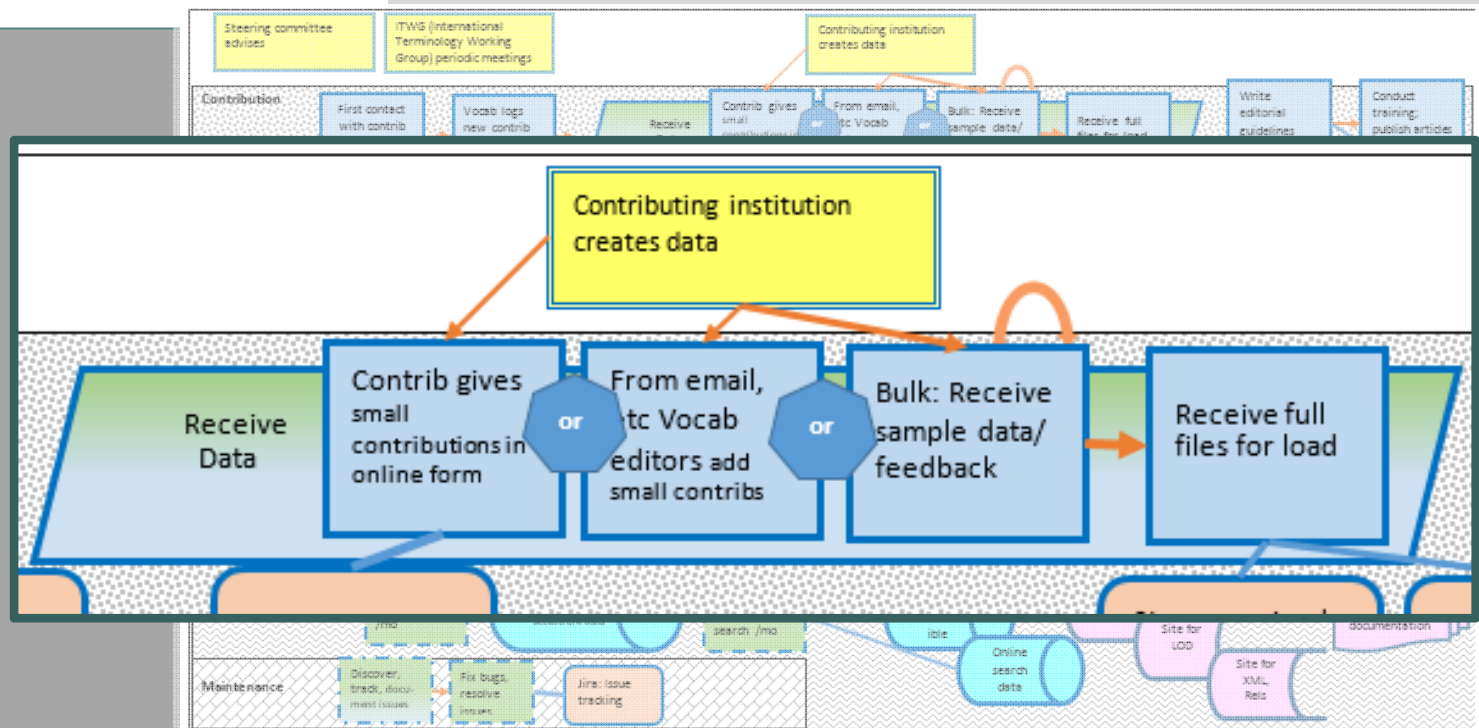


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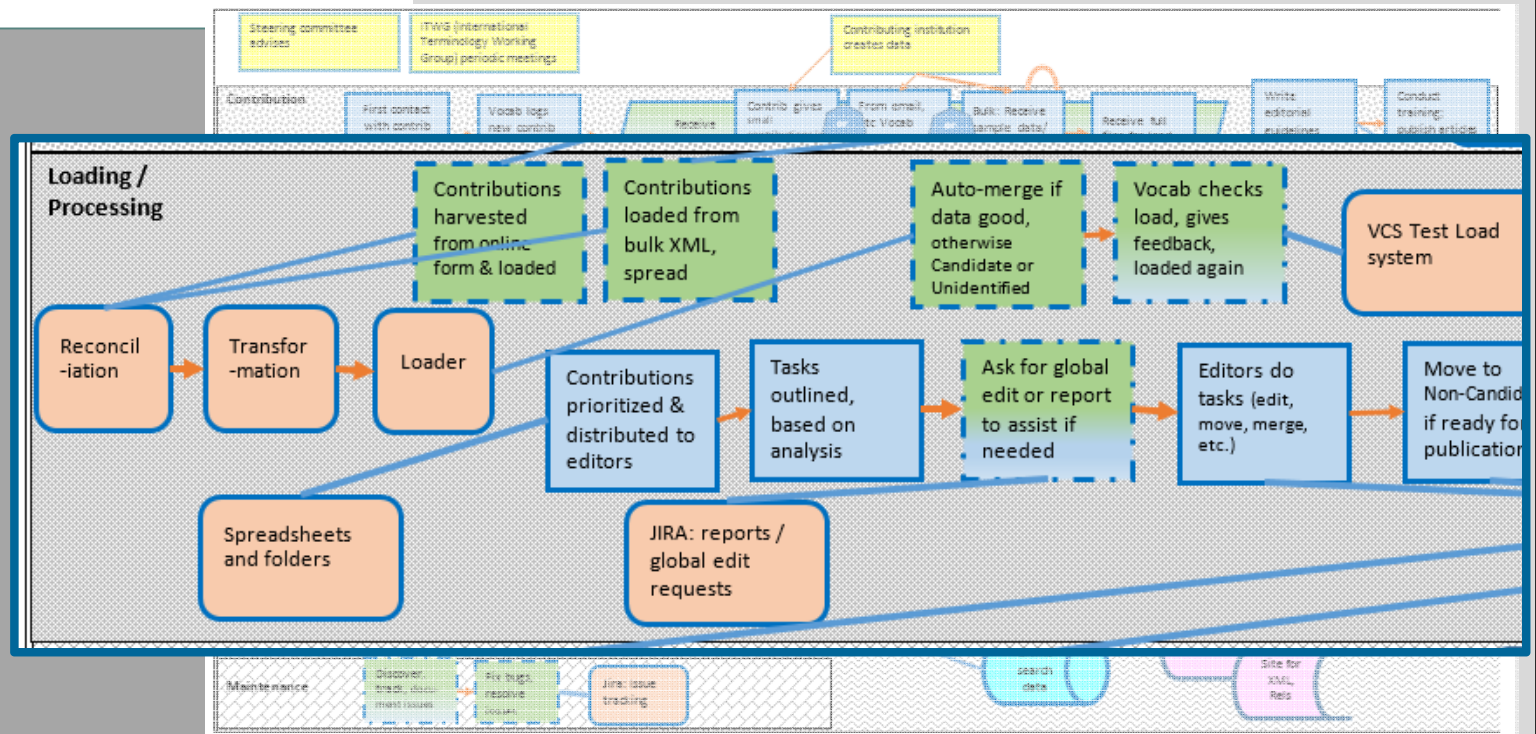
Systems / Procedures diagram: Getty Vocabularies



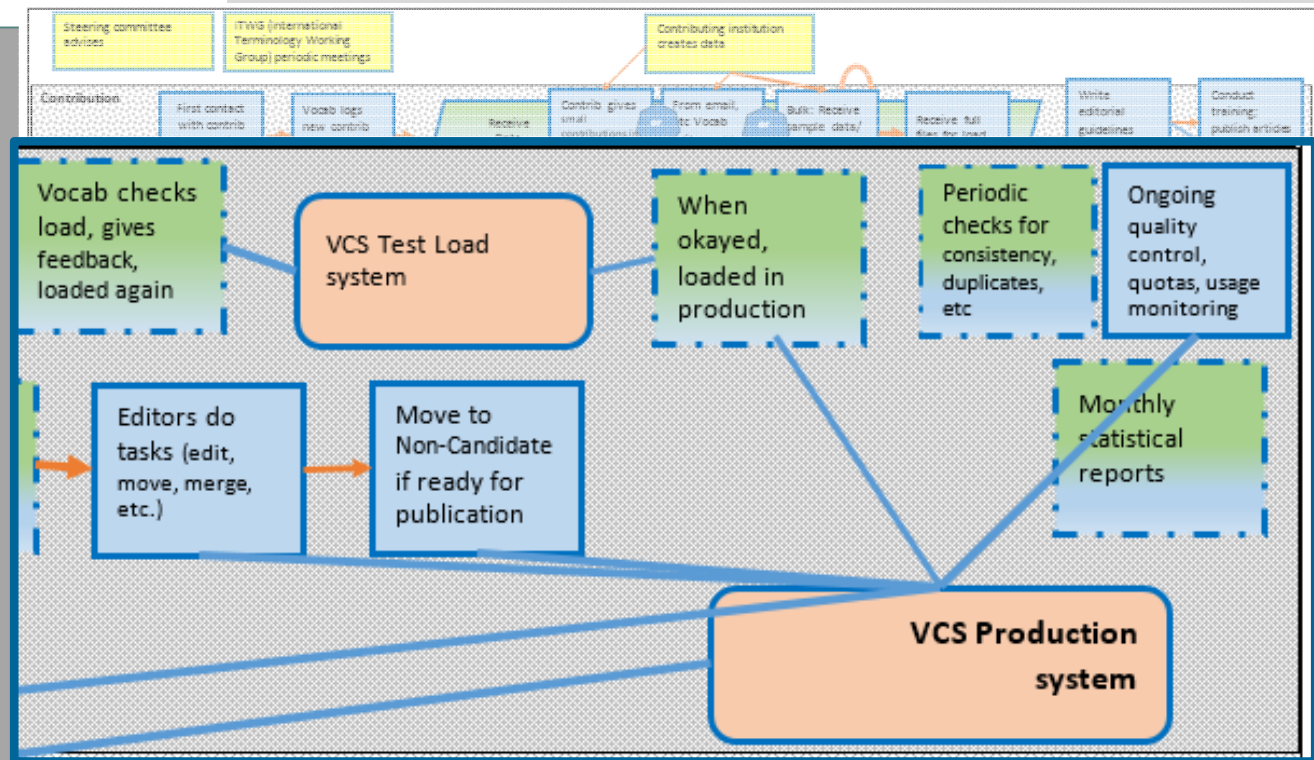
Systems / Procedures diagram: Getty Vocabularies



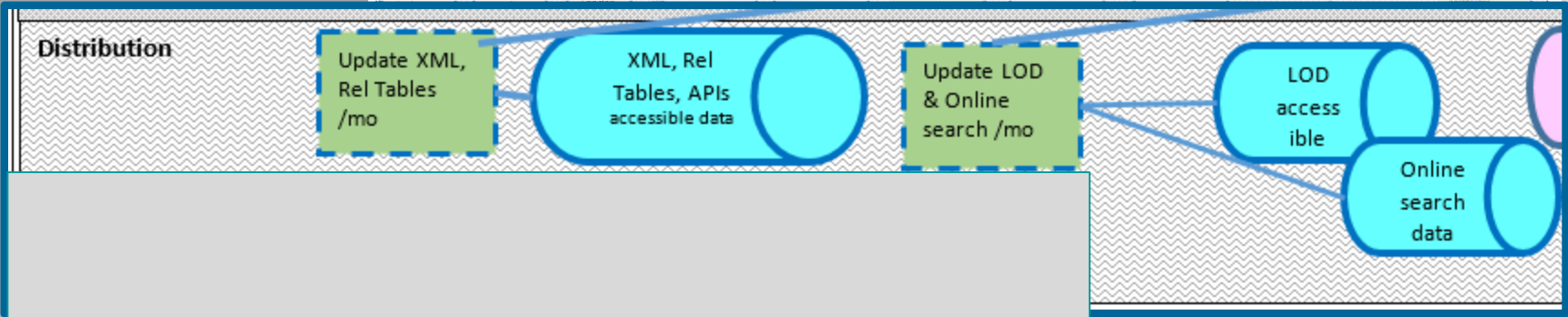
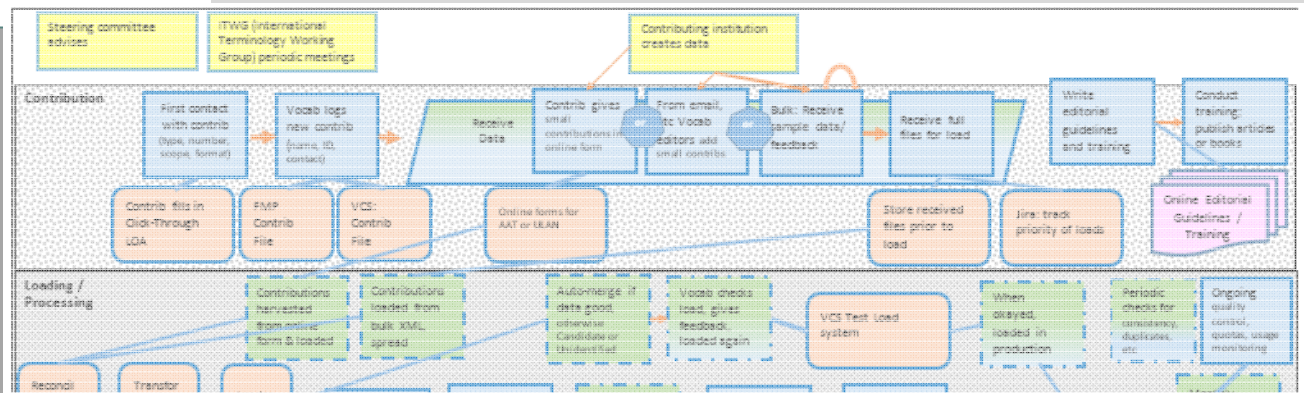
Systems / Procedures diagram: Getty Vocabularies



Systems / Procedures diagram: Getty Vocabularies



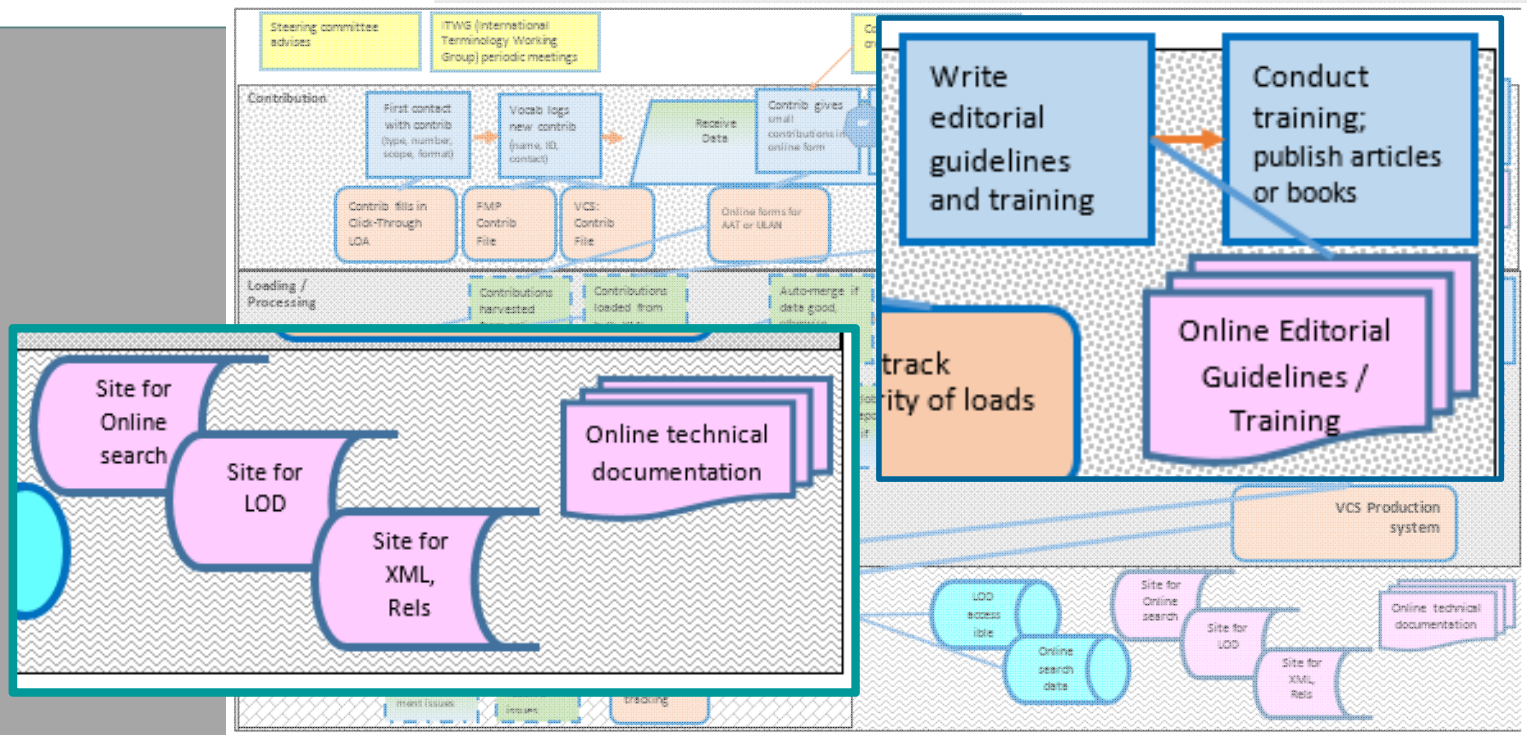
Systems / Procedures diagram: Getty Vocabularies



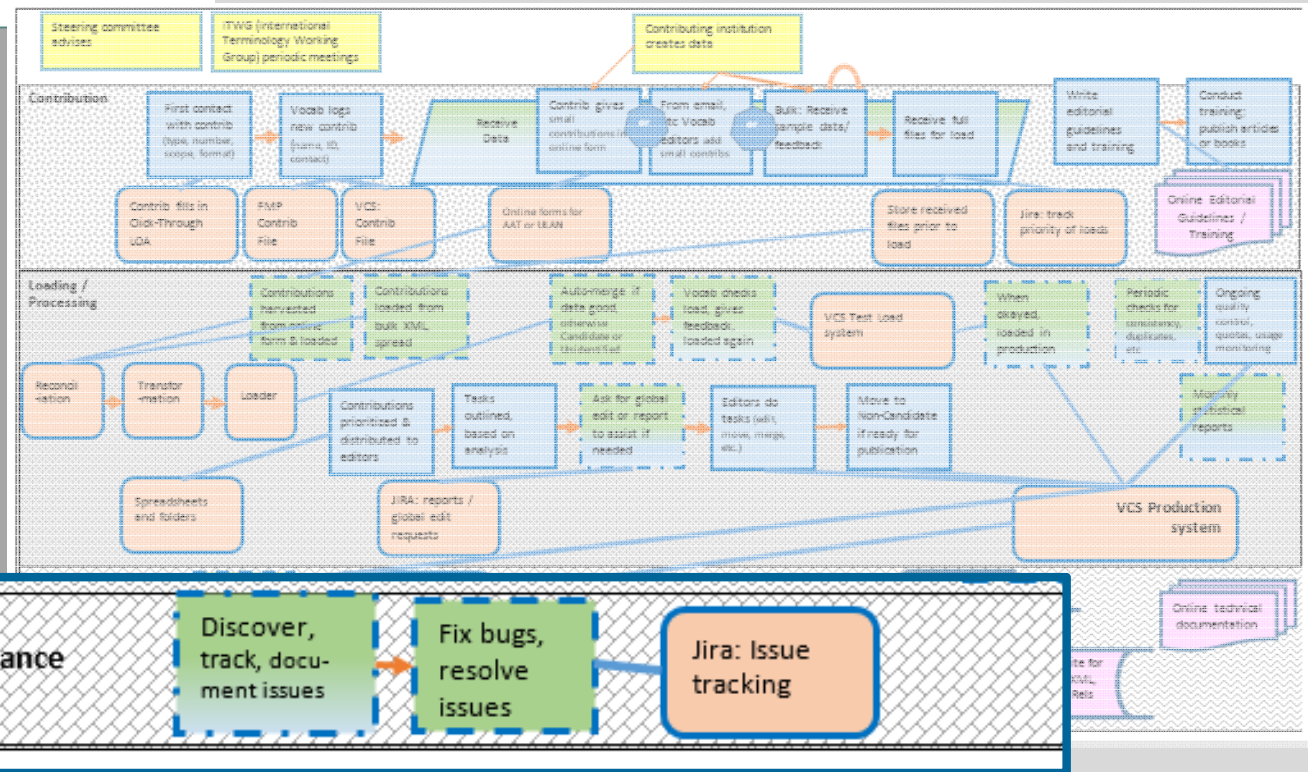
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Systems / Procedures diagram: Getty Vocabularies



Systems / Procedures diagram: Getty Vocabularies



STATUS OF THE GETTY VOCABULARIES

Catalog, index, document, retrieve, research, discover

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Statistics for the Getty Vocabularies

Totals as of 26 April 2019

| Vocab | Records | Terms |
|-------|-----------|-----------|
| AAT | 60,635 | 400,334 |
| ULAN | 312,442 | 928,660 |
| TGN | 2,531,649 | 4,084,938 |
| CONA | 6,677 | 13,256 |
| IA | 1,757 | 5,002 |

Records edited or created FY19Q3

| Vocab | Records |
|-------|---------|
| AAT | 903 |
| ULAN | 11,834 |
| TGN | 1,940 |
| CONA | 15 |
| IA | 23 |



AAT Loaded, awaiting processing

Incomplete records languish awaiting research, clean contributions are processed quickly

| Contrib | Candidates |
|------------|------------|
| AS | 19 |
| BHA | 3 |
| CCA | 2 |
| CDBP-TRP | 701 |
| CHIN | 15 |
| GCI | 12 |
| GRISC | 8 |
| ICCD | 11,628 |
| IUAV | 1 |
| ifM-SMB | 6 |
| PMA | 2 |
| RKD / ANET | 91 |
| SIK-ISEA | 8 |
| Suzzalo-UW | 3 |

Files awaiting loads and potential contributions (issue: need tech support)

| Vocab | Potential Contribs |
|-------|--------------------|
| AAT | 36 |
| ULAN | 28 |
| TGN | 9 |
| CONA | 10 |
| IA | 6 |

Each contribution could entail multiple files, may be hundreds or thousands of records

E.g.,
 CHIN: 15,000 AAT records
 FloCo: 400 records, all vocabs
 Belvedere: 20,800 ULAN recs
 Heard Museum: 26,000 ULAN recs

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Use of the Getty Vocabularies

- Always at the top of resources used at the GRI
- E.g., Online Web searches
- Access to training materials and editorial guidelines
- Highest number of pages accessed at GRI every month (17,000 page views, 200,000 queries)
- Among the highest at Getty overall
- Demonstrating usefulness is important to proving the value of the project, re. budgets, etc.



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Top 15 GRI-wide page views per month

| No. | Page | Views |
|-----------|---|---------------|
| 1 | <u>Vocabs: AAT</u> | 16,106 |
| 2 | <u>Vocabs: ULAN</u> | 11,826 |
| 3 | <u>Vocabs: TGN</u> | 9,479 |
| 4 | <u>GRI landing page</u> | 5,676 |
| 5 | <u>GRI list of resources</u> | 5,171 |
| 6 | <u>Exhibition: monumentality</u> | 4,273 |
| 7 | <u>Vocabs: general information</u> | 4,245 |
| 8 | <u>Provenance: search</u> | 3,895 |
| 9 | <u>Library</u> | 3,345 |
| 10 | <u>Provenance: general information</u> | 2,690 |
| 11 | <u>BHA (Bibliography for History of Art)</u> | 2,091 |
| 12 | <u>Photo Archive</u> | 1,759 |
| 13 | <u>GRI: Digital Collections: Turkey photos</u> | 1,673 |
| 14 | <u>Vocabs: CONA</u> | 1,489 |
| 15 | <u>Vocabs: CDWA (cataloging rules for art)</u> | 1,143 |

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Use of the Getty Vocabularies

- Data release files also have high numbers of users
- Relational Tables, XML, APIs
- Example illustrates LOD with very high use for one month
- AAT is also available at satellite sites in Germany, Taiwan, Chile, the Netherlands
- Vocabularies are available in various vendor systems



| Traffic on LOD site per month | |
|---|--|
| Reported period | Month Mar 2019 |
| First visit | 01 Mar 2019 - 00:00 |
| Last visit | 31 Mar 2019 - 23:59 |
| | Unique visitors |
| | 4,439 |
| Viewed traffic * | Number of visits |
| Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes | 11,733 (2.64 visits/visitor) |
| | Pages |
| | 910,193 (77.57 Pages/Visit) |
| | Hits |
| | 1,067,689 (90.99 Hits/Visit) |
| | Bandwidth |
| | 85.48 GB (7639.56 KB/Visit) |

| | Hits | 206 Hits | Bandwidth | Average size |
|----------------------------|-------|----------|-----------|--------------|
| /sparql.csv | 1,045 | 0 | 251.92 MB | 246.86 KB |
| /doc/gvp-lod.pdf | 41 | 60 | 154.35 MB | 1.53 MB |
| /dataset/aat/full.zip | 19 | 105 | 3.21 GB | 26.47 MB |
| /doc/assoc-rels-matrix.pc | 17 | 3 | 1.17 MB | 59.97 KB |
| /dataset/aat/explicit.zip | 15 | 2 | 1.22 GB | 73.32 MB |
| /dataset/ulan/full.zip | 4 | 2 | 1.68 GB | 287.20 MB |
| /dataset/ulan/explicit.zip | 2 | 2 | 525.49 MB | 131.37 MB |
| /dataset/tgn/explicit.zip | 2 | 4 | 3.16 GB | 538.94 MB |
| /dataset/tgn/full.zip | 1 | 18 | 801.87 MB | 42.20 MB |

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Integration of the Getty Vocabularies

- Vocabulary data is available in several consolidated resources
 - **VIAF:** ongoing, ULAN , concordance of IDs from resources globally
 - Internal integration, current
 - **Provenance Index:** AAT, ULAN, TGN; issue = local authority for artists verbatim names
 - **PhotoTech:** AAT, ULAN, TGN, CONA
 - **TMS:** Gallery Systems, updating Getty Vocab on board; or link in a new Web product
 - **Alma:** Ex Libris, how to incorporate Getty Vocab

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VIAF
Virtual International Authority File

Gogh, Vincent van 1853-1890

Gogh, Vincent van

Vincent van Gogh

Van Gogh, Vincent, 1853-1890

1890-1890-1853. غوخ، فينستت فان.

Гог, Винсент ван, 1853-1890.

1853-1890 גוך, וינסנט ון.

Van Gogh, V. 1853-1890 Vincent

Gogh, Vincent Willem van

Gogh, Vincent van (Dutch painter and draftsman, 1853-1890)

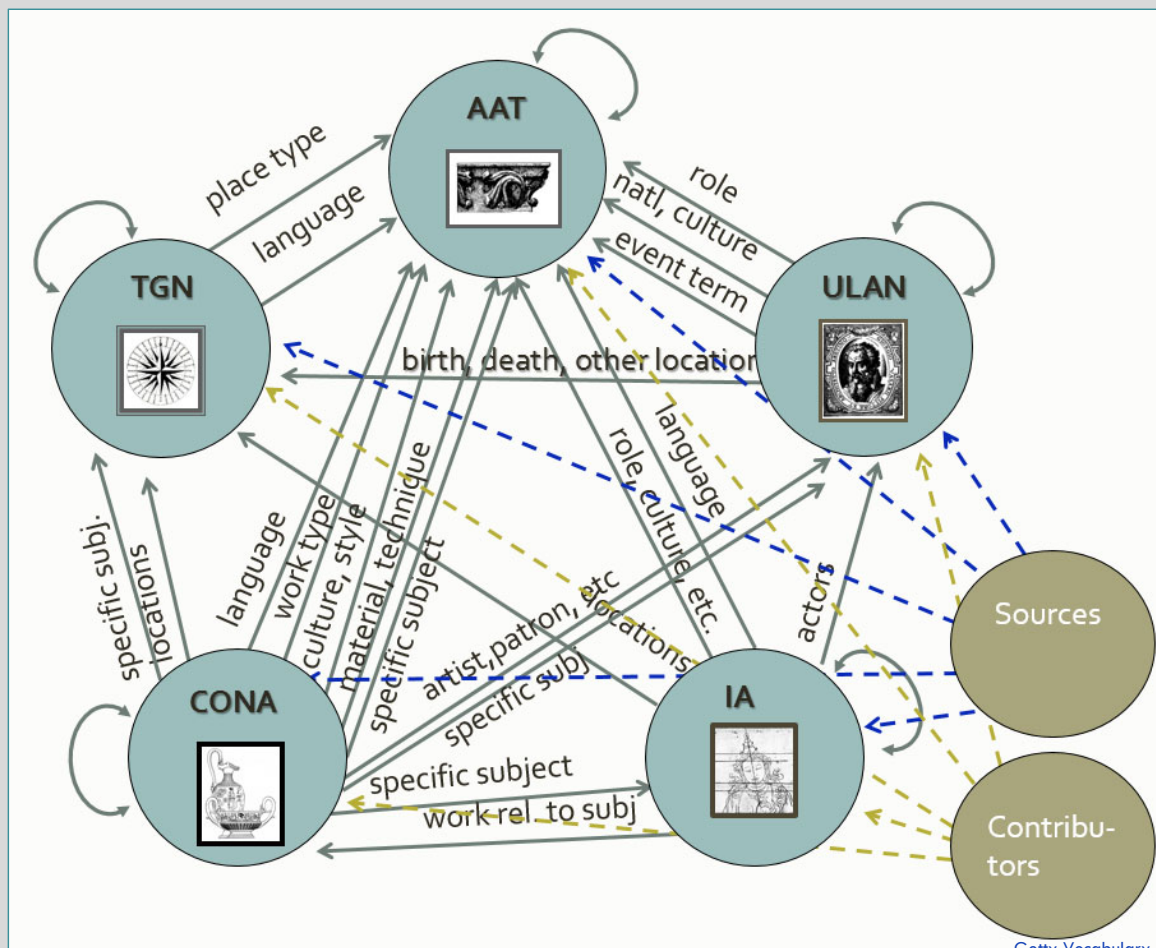
1890-1853. جوخ، فنستت فان.

VIAF ID: 9854560 (Personal)
Permalink: <http://viaf.org/viaf/9854560>

<http://viaf.org/>

Linking the Getty Vocabularies

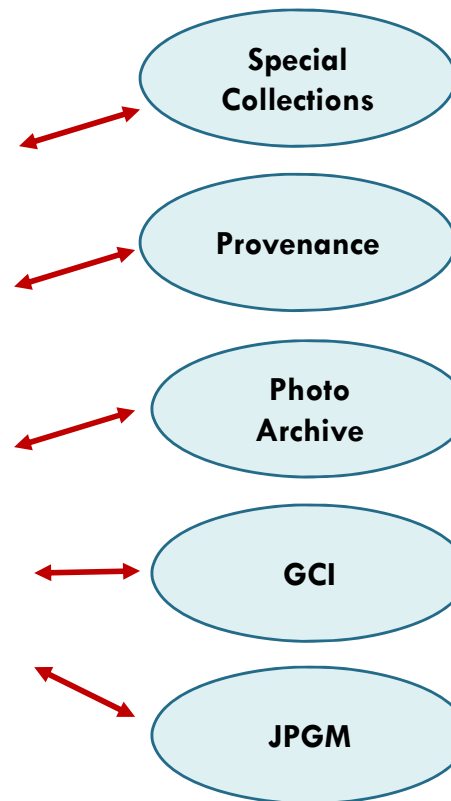
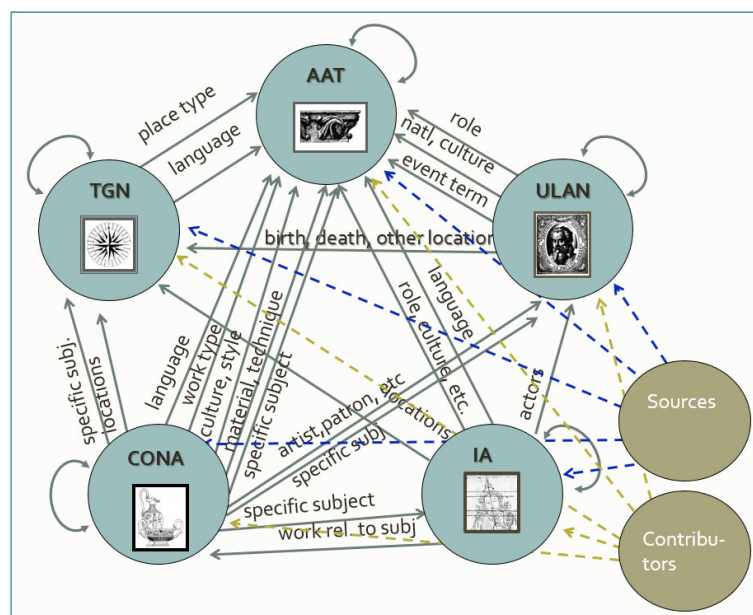
Relationships between the vocabularies



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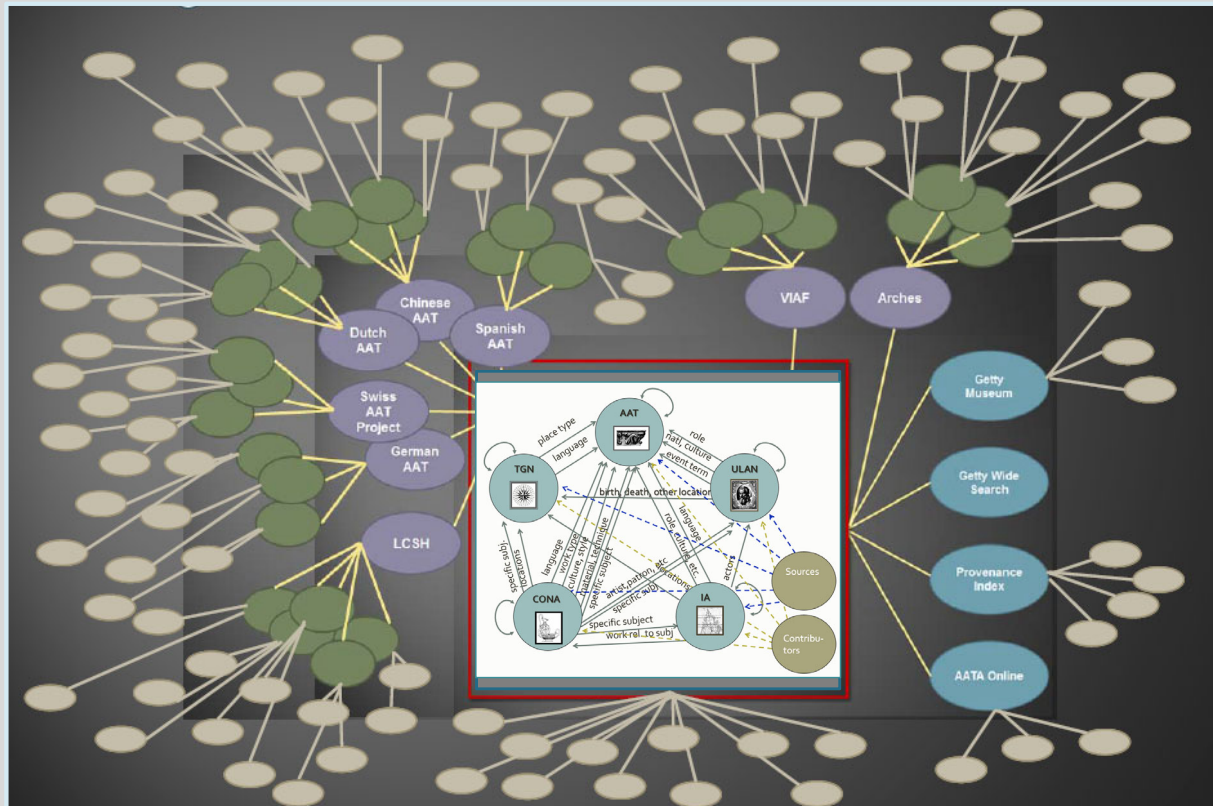
Linking the Getty Vocabularies

Relationships from the vocabularies to other Getty resources



Linking the Getty Vocabularies

Relationships from the Getty vocabularies to other resources



Getty

Getty Vocabulary Program

Goals: Increased multilingual, multi-cultural, inclusive Vocabularies

Status: Current ULAN is heavily European, but
our goal is to add more non-Western

Nat./Cultures in ULAN:

Records total: 305,684 (as of Feb. 2019)

Nat/cultures total linked: 351,773

[a person may have multiple nationalities, cultures]

Partial list of Nationality/Culture/Ethnicity

European 212,286

American 55,933

African American 517

Native American, First Nations 4,394 *[Heard]*

Mexican, Central-South 11,652

African 2,588

Middle Eastern 2,006 *[soon greater, IMJ]*

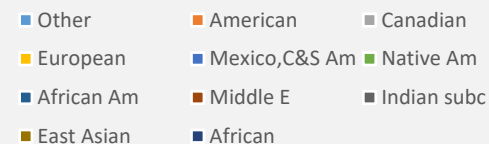
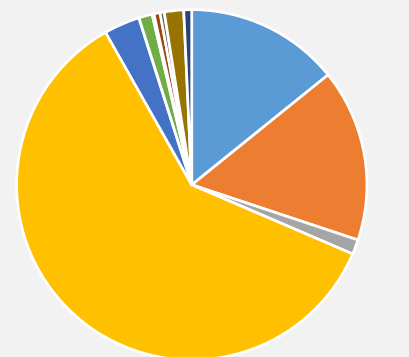
Indian subcontinent 1,370

East Asian 6,270

Canadian 4,812

Other 49,945

Total Records by Nat/Culture/Eth
in ULAN



Getty Vocabulary Program

Getty

Goals: Increased multilingual, multi-cultural, inclusive Vocabularies

Status: Current AAT is in process of receiving several translations and increasing multilinguality

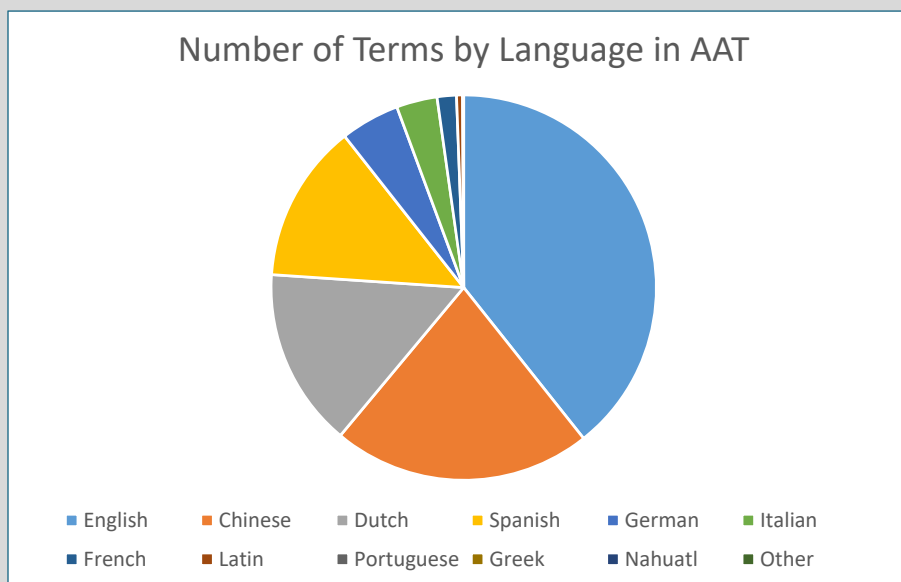
Languages in AAT

136 different languages
as of 27 April 2019

No of terms for top 20 languages

English 165,905
Chinese 91,839
Dutch 63,336
Spanish 56,188
German 20,959
Italian 14,444
French 6,813
Latin 2,141
Portuguese 247
Greek 70
Nahuatl 49
etc.

Number of Terms by Language in AAT



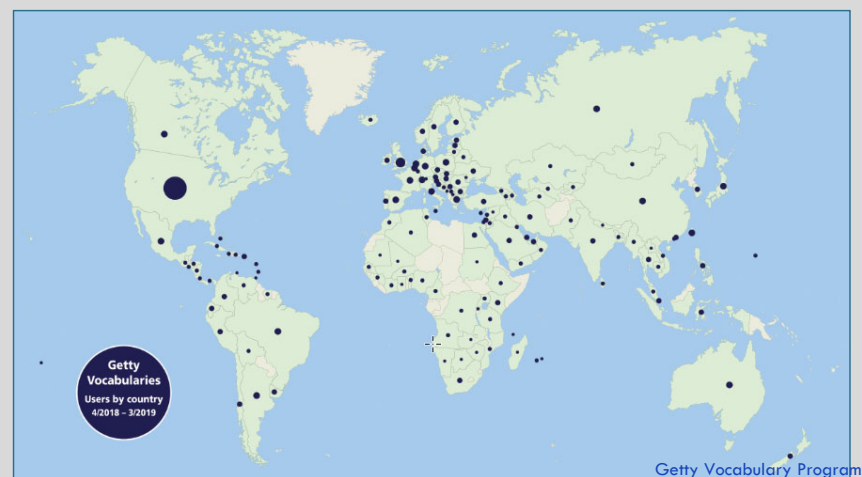
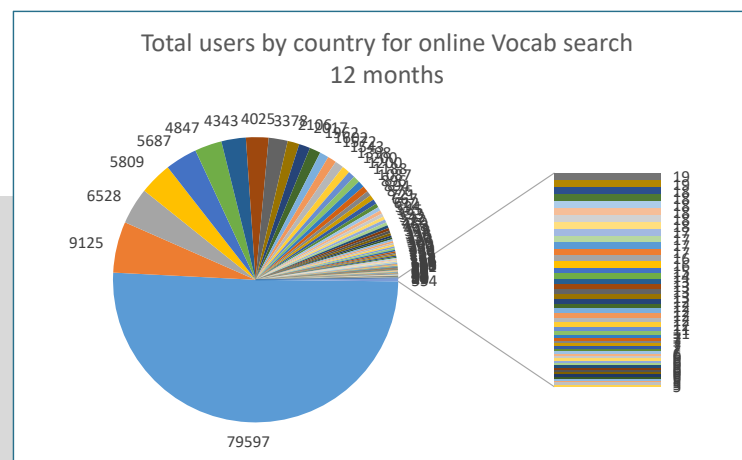
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Users are already from all over the globe

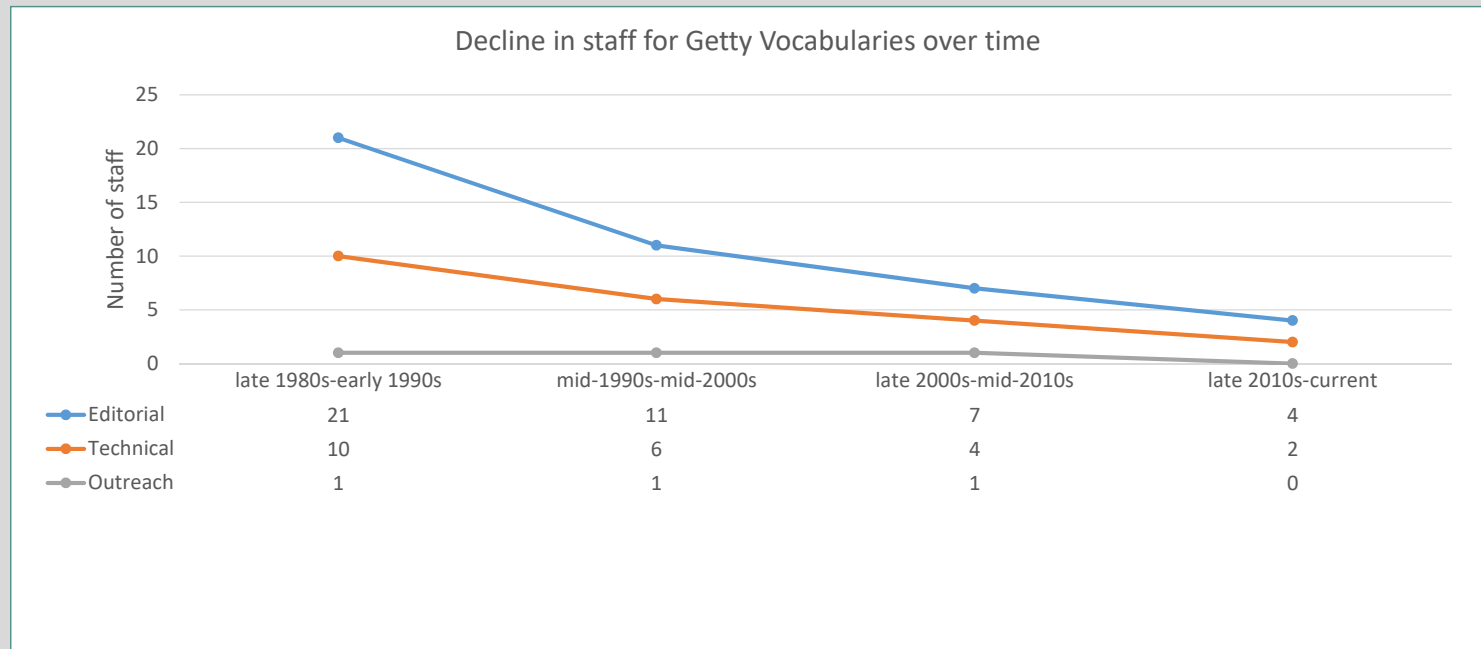
Distribution of users, Vocabs online search
149 countries total; top 50 in a year

| | | | |
|----------------|-------|----------------|-----|
| United States | 79597 | Colombia | 612 |
| United Kingdom | 9125 | New Zealand | 594 |
| Canada | 6528 | South Korea | 565 |
| Germany | 5809 | Portugal | 553 |
| France | 5687 | Sweden | 542 |
| Italy | 4847 | Czech Republic | 522 |
| Spain | 4343 | Ireland | 480 |
| Netherlands | 4025 | Ukraine | 468 |
| Australia | 3378 | Hungary | 443 |
| Belgium | 2106 | Slovakia | 348 |
| Poland | 2017 | Turkey | 348 |
| Switzerland | 1962 | Chile | 336 |
| Russia | 1602 | Indonesia | 330 |
| Japan | 1572 | Denmark | 324 |
| Mexico | 1543 | Croatia | 306 |
| Brazil | 1398 | Finland | 300 |
| China | 1200 | Norway | 294 |
| Greece | 1200 | Singapore | 283 |
| Argentina | 1188 | Puerto Rico | 270 |
| Taiwan | 1087 | Egypt | 246 |
| Israel | 896 | Bulgaria | 234 |
| Austria | 894 | unidentified | 222 |
| India | 876 | South Africa | 215 |
| Hong Kong | 721 | Thailand | 193 |
| Philippines | 667 | Saudi Arabia | 168 |



Challenges:

- How to retain high productivity of loading and editorial processing with small staff
 - Working with the community for contributions
 - Need improved technical support for loading and processing
- How to retain high scholarly quality, attributions to sources, and rich data in releases focused on new technology



Getty Vocabulary Program



Thank you.

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