

Getty Vocabularies Technical Update

ITWG – 14 AUGUST, 2017

GREGG GARCIA – GETTY DIGITAL



Recent Developments

Getty ITS reorganization into Getty Digital with more focus on institutional collaboration and systems integration

Data loads since last ITWG

- 5298 German translated records (AAT)
- 273 new Dutch terms (AAT)
- 95 new Dutch Fashion Thesaurus terms (AAT)
- 761 new Chilean Indigenous terms (AAT)
- Geographic names for country of Switzerland (TGN)
- Names from Szeemann and Knoedler auction catalogs (ULAN)

Changed database system from Oracle to MySQL for online search and display

Iconography Authority added to CONA online search and hierarchy display



Iconography Authority Search

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Search Tools & Databases

- Primo Search
- ▶ 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) ©**
 - About CONA
 - CONA: Frequently Asked

Cultural Objects Name Authority[®] Online

Search the CONA [? Help](#)

Find Title or ID: [Search](#)

AND OR [Clear](#)

Note:

[Browse CONA hierarchies](#)

Find Iconography: [Search](#)

[Browse Iconography Authority hierarchies](#)

[Copyright information](#)

Search Tips

[Contact the Vocabulary Program](#)

Iconography Search Results



Research

[Research Home](#) ▶ [Tools](#) ▶ [Cultural Objects Names Authority](#) ▶ [Search Results](#)



Iconography Search Results

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Find Name: **avalokiteshvara**

1 results

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1. **Avalokiteshvara (Buddhist bodhisattva)**

(Buddhist characters, Buddhist iconography, Legend, Religion, Mythology) [1000085]

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Iconography Hierarchy



Research

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Cultural Objects Names Authority[®] Iconography Hierarchy

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Click the  icon to view the hierarchy.

-  **Top of the IA Hierarchies**
-  **Legend, Religion, Mythology**
-  **<Buddhist iconography>**
-  **<Buddhist characters>**
- **Amitābha (Mahayana deity)**
- **Amitāyus (Buddhist character)**
- **Amoghapasa (Buddhist character)**
- **Ānanda (Buddhist character)**
- **Avalokiteshvara (Buddhist bodhisattva)**
- **Bhairava (Hindu-Buddhist deity) [N]**
- **Bishamon (Buddhist character)**
- **Buddha (primary character of Buddhism)**
- **Channa (Buddhist character)**
- **Fudo Myo-o (Buddhist character)**
- **Gaṇeśa (Buddhist deity)**

Iconography Full Record View



Research

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Cultural Objects Names Authority[®] Iconography Display

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ID: 1000085

Record Type: Character/Person

Avalokiteshvara (Buddhist bodhisattva)

Note: Bodhisattva who embodies the compassion of all Buddhas. This bodhisattva is variably depicted and described and is portrayed in different cultures as either female or male. He supremely exemplifies the bodhisattva's resolve to postpone his own Buddhahood until he has helped every being on earth achieve emancipation.

Names:

- Avalokiteshvara (Buddhist bodhisattva)** ([preferred,English,D](#))
- Avalokiteśvara (Buddhist bodhisattva)** ([English,U](#))
- Avalokitesvara (Buddhist bodhisattva)** ([English](#))
- अवलोकितेश्वर (Buddhist bodhisattva)** ([Sanskrit,U](#))
- འཇམ་མགས་ཀྱི་པཌ་པའི་བྱེད་པ་ (Buddhist bodhisattva)** ([Tibetan](#))
- Spyan ras gzigs (Buddhist bodhisattva)** ([Tibetan \(transliterated\),U,N](#))

Hierarchical Position:

- [Legend, Religion, Mythology \(P\)](#)
- [.....<Buddhist iconography> \(P\)](#)
- [.....<Buddhist characters> \(P\)](#)
- [.....Avalokiteshvara \(Buddhist bodhisattva\) \(I\)](#)

CONA Search Changes

Search the CONA [? Help](#)

Find Title or ID:

Work Type:
[AAT lookup](#)

Creator, etc.:
[ULAN lookup](#)

Materials:
[AAT lookup](#)

Location number
Repository:

[<](#) Geographic:
[TGN lookup](#)

Creation Date start end
Range:

General Subject:

Specific Subject:

[AAT lookup](#) [TGN lookup](#) [ULAN lookup](#) [CONA lookup](#) [IA lookup](#)

Vocabularies Technical Projects Next 12 Months

Data loads

- Provenance artists authority (ULAN)
- 7th Set of 5000 Chinese translated terms (AAT)
- MoMA artist names (ULAN)
- NGA Countries Peru, Morocco, Argentina (TGN)
- Provenance owners authority (ULAN)

CONA and IA online improvements

- Expanded CONA search on work types, creator, materials, location repository, geography, creation date, general subject, specific subject

Implement CONA and IA as LOD

Vocabs LOD Redesign

- Changes to interface and ontology
- Focus of providing services for applications and reconciliation

Getty enterprise notification system

- Should be compatible with contribution “round-trip” notification system
 - Should be basis of incremental Vocab online update
- 

Vocabularies Reconciliation

Options:

- OpenRefine
- APIs
- SPARQL Endpoint

Comments:

1) provide a non-sparql API to search via string query with a url something like getty.org/att/query=tree&maxRecords=10&lang=en which returns at most 10 results in LOD serialization filtered to include only English labels and labels with no language markers 2) include a search ranking predicate in LOD search results (e.g. <http://vivoweb.org/ontology/core#rank>). This allows results to be populated into a graph without losing search results order.

Can't stress enough that making the Getty Vocab work better with Open Refine would be my #1 priority and incredibly helpful for my work as a metadata librarian

I find writing queries for the Getty SPARQL endpoint difficult.

The Future of the Getty Vocabularies LOD

Current effort underway at the Getty to bring together all institutional data sets under one semantic architecture online

Focus will shift to providing the data in forms that are easier to understand and use, and services for both humans and machines on top of the data to help with discovery and reconciliation

ULAN data model / ontology first to be changed with standards such as CIDOC-CRM and Schema.org being evaluated

AAT ontology definition will likely not change significantly

TGN ontology definition will most likely change, but options have yet to be evaluated

Methods for Speeding Up Vocab Data Loads

- Finding the best format and mechanism
- Automated service for uploading data
- Define required fields and how submissions will be processed based on those fields

Contributor Notifications

What level of changes?

- Overall record
- Individual term edits/additions
- Term flags

What kind of mechanism?

- Email of changes
- Periodic spreadsheets
- APIs
- Notification service sent to local system

Vocabularies LOD Survey Results

