Getty Vocabularies Technology Roadmap

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Getty Vocabularies Publications and Services

Full XML and Tab-delimited Relational Tables Downloads

- http://www.getty.edu/research/tools/vocabularies/obtain/download.html
- Original Getty Vocabularies ontology (ISO-25964)
- Getty Vocabularies internal database schema

XML Web Services

- http://www.getty.edu/research/tools/vocabularies/vocab web services.pdf
- Getty Vocabularies internal database schema

Linked Data Site with Downloads and SPARQL Endpoint (SKOS/Schema.org)

http://vocab.getty.edu

Vocabulary Web Site

- http://www.getty.edu/research/tools/vocabularies/
- Human readable search and display

Reconciliation Service for OpenRefine

https://services.getty.edu/vocab/reconcile/

Linked Data Site with Activity Stream and SPARQL Endpoint (Linked.Art)

https://data.getty.edu/vocab



Vocabularies Machine Readable Formats



Legacy Formats

31041

31045

31046

31047

31048

31949

31050

31051

31076

31077

31078

300023433 70051 Wooden instruments resembling a sword, paddle, or butcher 300023456 70051 Cylindrical cases to hold pins. 300023441 70051 Pointed tweezers for lifting knots from wool, so that the Smooth shapes, often in the shape of an egg, over which for 300023442 70051 Mushroom-shaped forms over which fabric is stretched for I 300023443 70051 300023444 78851 Frames, often made of wire, used as a fitting model in mal 78851 Tools used for laying gold thread, or other metallic threa 300023440 300023450 70051 Devices for threading needles; designs vary, but most have 300264047 70051 Iron and bronze staffs or scepters of uncertain origin and 300249395 78851 Kingdom containing multicellular organisms having cells by 300022794 70051 Rubber bottles with narr 300022800 70051 Small, three pronged su 300022854 70051 Devices to apply pressur 300022870 70051 In stained glass work:

31079 31083 31084 31085 300022892 70051 Tools used for cutting 31086 300022893 70051 Compass-like mechanisms 31087 300022900 70051 Hammers with magnetic heads that hold tacks or halls on Knives with a gauge or other contrivance on the blade to 31088 300022903 70051 31089 300024416 70051 Gear used for fishing, including rod, reel, and bait. 31090 300024428 78851 Oblong cases with slat sides and funnel-shaped net used as 31002 300024491 70051 Hand-held implements having a long shaft mounted with a co 300024504 70051 Tools for examining or testing doubly-refracting crystals 31093 31094 300024415 78851 Floating structures, typically extending below the ordinar 31005 300024505 78851 Tools having a long handle and scoop used for rock-hunting 31096 300024511 70051 Medium-sized or small hand tools for breaking up rocks, u: 300048722 70051 Posted texts that accompany an exhibition of art or other 31682 300028162 78851 31683 Charts used for navigation beyond the earth's atmosphere, 31684 300127149 70051 Photographic prints having light-sensitive salts in the f: 31685 300252136 70051 Photographic prints produced by the silver-dye bleach pro-31686 300227501 78851 Photographic prints made by the stabilization process. 31687 300128355 70051 Transparencies having images composed of gray tones, black 31688 300128364 70051 Transparencies having images composed of more than one hu 31689 300138292 70051 Photographs made by the Autochrome process. 31690 300128675 70051 Positive transparencies having gelatin as the binder, hold Human figures outfitted in traditional national or ethnic 31691 300222455 70051 31692 300211317 70051 Human figures or dolls created to illustrate or promote sp 31693 300211323 78851 Hopi, Pueblo, or Zuni dolls of various forms and material: 31694 300033998 70051 Drawings in oblique projection in which a vertical plane 31695 300034003 70051 Drawings in oblique projection in which the vertical plan-31696 300075477 70051 Oblique drawings, or works in another mediu, in which a ve 31697 300068227 70051 Plans depicting half of a structure or site, typically re-70051 Drawings or works in another medium laying out the precise 31698 300034122 31699 300015638 70051 Images in which the focus is a depiction of inanimate obje 31700 300015566 78851 Refers to pictorial or photographic representations that 31701 300236227 78851 Creative works that depict settlements that may be conside 31702 300015558 70051 Views that are realistically conceived but having element: 31703 300015556 70051 Refers to detailed, largely factual topographical views, 31704 70051 Works in two dimensions or very low relief that were made 300033063 31705 300121438 70051 Works of art produced using the technology of copying mac 31706 300136578 70051 Photographic prints made by the original photographer or 31707 300181925 70051 Small paintings that depict peasant genre and street scen-31708 300185409 70051 Direct, literal events carried out by artists, especially 31709 300047935 70051 Works from the 1950s and 1960s that were unique, unrehear: 31710 300185447 70051 Works, dating from the 1960s, that incorporate people and Refers to works of art that unfold over time and that com 31711 300121445 70051 32228 300219548 70051 Public coaches with sturdy, large, ovoid bodies with curv-32229 300238511 70051 Reduced-size coaches, generally having curved fronts, des: 32230 300212888 70051 Coaches used for public transportation along scheduled rou 300015637 70051 Representations of real individuals that are intended to 32231 Creative works that depict the ocean or other large body : 32232 300117546 70051 32233 300041555 70051 Japanese erotic prints and paintings.

Prints popular in the 18th and 19th centuries depicting su

Vessels, usually old warships or cargo vessels, converted

Watercraft equipped or designed for oceanographic study or

Small vessels employed either to attend larger ones, as for

Vessels intended to operate nearly but not totally submer

Boats that convey pilots to and from large ships.

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Vocab LOD Formats (SKOS Based)





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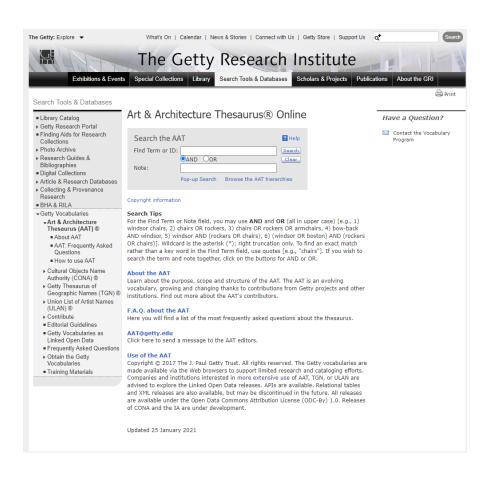
JSON-LD:

Roadmap



Vocabs on the Web

- Human readable search and display
- To be replaced by redesigned user interface
- Newly updated user interface that incorporates modern design elements
- Similar look and feel to updated Getty.edu pages
- In conjunction with redesign of Getty Research Institute web pages





XML and Tab-delimited Downloads

- Full set of Vocab data using the legacy proprietary model
- Direct dump of relational tables from main Vocabs editorial system
- Full record XML output from web service
- To be discontinued by end of 2025

Research Home ▶ Conducting Research ▶ Learn about the Getty Vocabularies ▶ Download Center



Getty Vocabularies Download Center

Download Center for the Art & Architecture Thesaurus (AAT)

The data on this site is made available by the J. Paul Getty Trust under the Open Data Commons Attribution License (ODC-By) 1.0. The Getty vocabulary data is compiled from various contributors using published sources, which must be cited along with the J. Paul Getty Trust when the data is displayed. For information about obtaining the data or contributing to the Getty Vocabularies, contact the Getty Vocabulary Prooram.

About the AAT Data Files

Formats of releases: The vocabulary data available from this page is in XML and Relational Table formats. The XML and Relational Table formats are available in the UTF-8 character encoding only.

The XML data files consist of logical full records. The REL data files contain table data in tab-delimited, relational format.

NOTE: Customized versions of these files are not available.

Web services: Data files may also be accessed through Web services APIs (application programming interfaces), which provide access to data that is refreshed every two weeks. The APIs are available to any institution having a login. Please read details in the Web Services User's Instructions (pdf).

Also available as L00: The AAT, TGN, and ULAN are now also available as Linked Open Data (L0D). They are published as L0D under the <u>Open Data Commons Attribution License (ODC-By) 1.0</u>. For further information, see http://www.getly.edu/research/tools/vocabularies/lod/index.html Users of XML and Relational Tables are encouraged to transition to the LOD formats, since XML and Relational Tables are likely to be discontinued in the future.

Persistent IDs: Numeric identifications in the vocabulary data are persistent. Occasional editorial situations may require the generation of new IDs (e.g., when one existing record is divided into two records); for these rare cases, a mapping of the old IDs to the new ones is published.

AAT data in raw format

The vocabulary data is released as raw data files. No software is provided. The vocabulary data is improved, changed, and new data added on a regular basis. Users are advised to update their data often; instructions for updating your previously acquired data based on the new annual release are included in the files below.

Download the most recent release here

Refreshed versions of the data are released every month. The data is available in compressed form for ease of downloading.

Download <u>aat_xml_0124.zip</u>, the AAT XML file (UTF-8); file size 57,403 kilobytes. (updated 1/16/24) Download <u>aat_rel_0124.zip</u>, the AAT REL file (UTF-8); file size 69,250 kilobytes. (updated 1/7/24)



XML Web Services

- **Custom operations with XML** output
- Custom data schemas based on Vocabs editorial database table structure
- To be discontinued by end of 2025

AATWebServices

AAT Web Services

The following operations are supported. For a formal definition, please review the Service Description

- AATGetChildren
- Return all immediate children of a given subject record
- AATGetMergedSubjectID

- Returns English text parent string for a AAT record (internal Getty use only)

- Returns English text label with no parent string for a AAT record (internal Getty use only)
- AATGetSubjectTerms
- AATGetSyncSubjectID

ULANWebServices

ULAN Web Services

The following operations are supported. For a formal definition, please review the Service Description.

- Return all immediate children of a given subject record
- ULANGetCorpLabel
- Returns English text label for a ULAN corporate body (internal Getty use only)
- <u>ULANGetMergedSubjectID</u>
 Return a list of records with old and new IDs that have been merged

- Returns full set of ULAN Nationalities (internal Getty use only)
- ULANGetParentLabel Returns text label for the parent of a ULAN subject ID (internal Getty use only)
- ULANGetParents
- Return parent hierarchy for a given subject record
- ULANGetRevisionHistory
- ULANGetRoles
- Returns full set of ULAN Roles (internal Getty use only)
- ULANGetSubject Return all data element associated with a VCS subject
- ULANGetSubjectLabelNoParent
- Returns English text label for a ULAN subject ID (internal Getty use only)

Return info on edits made within certain data based on input parameter

- ULANGetSubjectTerms Return termID and all terms based on subjectID
- ULANGetSyncSubjectID
- Return current subject ID for a given subject ID
- ULANGetTermLabelNoParent Returns text label for ULAN term ID (internal Getty use only)
- ULANGetTermMatch
- Return result count, preferred term and matching terms

- - Return a list of records with old and new IDs that have been merged
 - AATGetParentLabel

 - Return parent hierarchy for a given subject record

 - AATGetRevisionHistory

 - Return info on edits made within certain data based on input parameter
- - Return all data element associated with a VCS subject
- AATGetSubjectLabelNoParent
- - Return termID and all terms based on subjectID
- Return current subject ID for a given subject ID
- AATGetTermLabelNoParent Returns English text label for a AAT term (internal Get)

Return result count, preferred term and matching term

TGNWebServices

The following operations are supported. For a formal definition, please review the Service De

- TGNGetChildren
- Return all immediate children of a given subject record
- TGNGetMergedSubjectID Return a list of records with old and new IDs that have been merged

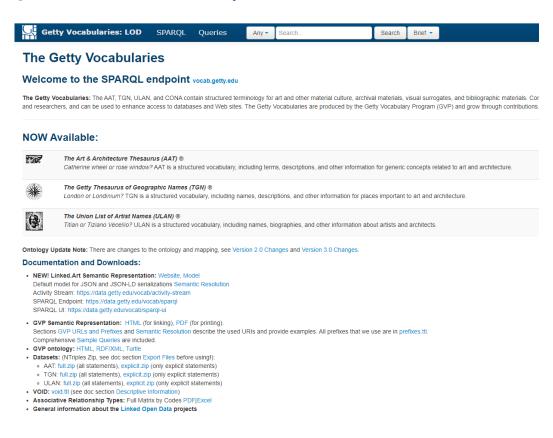
- Returns full set of TGN Nations (internal Getty use only)
- Return parent hierarchy for a given subject record

- Returns full set of ULAN Place Types (internal Getty use only)
- TGNGetRevisionHistory
- Return info on edits made within certain data based on input parameter
- Return all data element associated with a VCS subject
- TGNGetSubjectBriefReports
- Returns subset of data elements associated with a VCS subject (internal Getty u
- TGNGetSubjectTerms Return termID and all terms based on subjectID
- TGNGetSyncSubjectID Return current subject ID for a given subject ID
- TGNGetTermMatch
- Return result count, preferred term and matching terms



Vocab LOD (SKOS implementation)

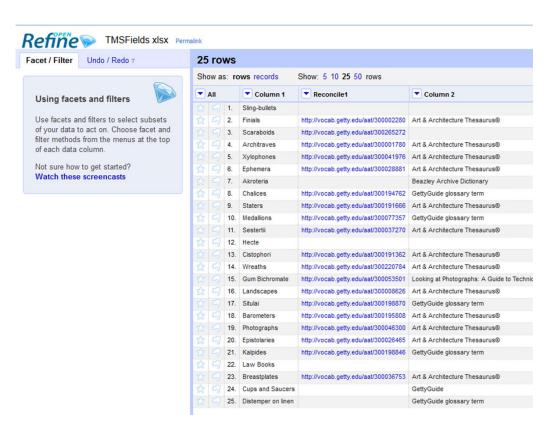
- Getty schema mapped into SKOS and Schema.org
- Heavily used SPARQL endpoint
- Complete set of Vocabularies fields
- To be discontinued by end of 2026





OpenRefine Reconciliation Service

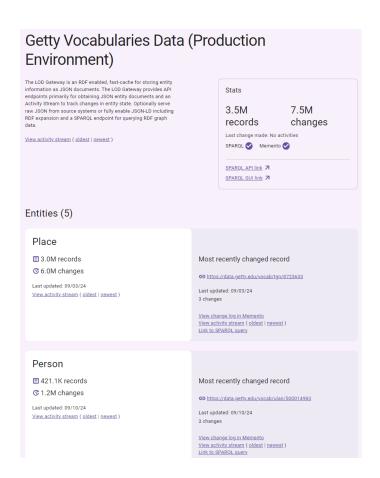
- Reconcile text strings with Vocab records
- Extend/add data once reconciliation is complete
- Long-term support is part of roadmap





Linked.Art Implementation

- Format to be carried into the future
- Compatible with other Getty data sets at data.getty.edu
- Change tracking through activity stream
- RDF formats through SPARQL endpoint and resource content negotiation
- Direct, fast-access of entity JSON-LD through data.getty.edu and vocab.getty.edu
- Complete set of Vocabularies fields currently in development
- Basic set of Vocabularies fields currently available
- Full download of JSON-LD to replace legacy formats





Final Roadmap

Full Downloads

Discontinue by end of 2025:

Vocab XML

Tab-delimited relational tables

Discontinue by end of 2026:

Vocab LOD explicit and implicit triples

Available in 2025:

Linked.Art JSON-LD

LOD

Discontinue by end of 2026:

Vocab SKOS-based implementation

Available now:

Linked.Art implementation



Final Roadmap

<u>APIs</u>

Discontinue by end of 2025:

Vocab XML services

Available now:

Linked.Art JSON-LD

OpenRefine Reconciliation Service

Vocabs on the Web

To be redesigned



Feedback and Updates

- Send feedback to <u>vocab@getty.edu</u> on if/how you are using these discontinued services
- Migration plans to be provided as we understand transition needs of users
- Vocabularies web pages at Getty.edu
 (https://www.getty.edu/research/tools/vocabularies)
- Vocab LOD website (http://vocab.getty.edu)
- Vocab LOD Google Group (link at Vocab LOD website)

