Getty Vocabularies Technical Update

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Data Loads in the past year

5000 Chinese translated concepts (AAT)

1200 Dutch translated concepts (AAT)

Getty Provenance artists, owners and houses (ULAN)

- Overall effort to align Getty data sets with Vocabularies
- Pilot program to find a method for keeping contributor data sets synched with Vocabulary changes

Reconciliation of multiple internal data sets at the Getty

Getty Vocabularies Publications and Formats

Currently available:

- Human-readable web site and search (<u>http://www.getty.edu/research/tools/vocabularies/</u>)
- Yearly full export in XML and Relational Tables (http://www.getty.edu/research/tools/vocabularies/obtain/download.html)
- Legacy Web services returning XML format (<u>http://www.getty.edu/research/tools/vocabularies/vocab_web_services.pdf</u>)
- Linked Data with SPARQL endpoint (<u>http://vocab.getty.edu</u>)

Learn SPARQL!

http://vocab.getty.edu/queries

☆ 🔟

← → C (i) vocab.getty.edu/queries#Finding_Subjects

₽Ę	Getty Vocabularies: LOD	SPARQL	Queries	Any 🔻	Search	Search	Brief 🔻	
1.2.	2 Version 3.1	Quen	V.					
1.2.	3 Version 3.2		, 					
1.2.	4 Version 3.3	1	select * {?f a	gvp:Facet;	<pre>skos:inScheme aat: ; gvp:pre</pre>	efLabelGVP/x1	:literalF	orm ?1}
1.2.	5 Version 3.4							
2 Fin	ding Subjects							
2.1	Top-level Subjects							
2.2	Descendants of a Given Parent							
2.3	Subjects by Contributor Id	1						
2.4	Subjects by Contributor Abbrev	1						
2.5	Preferred Ancestors	1						
2.6	Full Text Search Query	1						
2.7	Stop-Word Removal	1						
2.8	Case-insensitive Full Text Search Query	1						
2.9	Exact-Match Full Text Search Query							
2.10	Find Person Occupations by broaderExtended							
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2.13	Find Subject by Exact English PrefLabel							
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PrefLa	bels	2	Finding Sub	ojects				
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2.16	Find Subject by Any Label	These	11 Cuthicate of A A7	5,0010				
2.17	Find Ordered Subjects	I ne top-	-level Subjects of AAI	are gvp:Facet	s, so the query is easy:			
2.18	Find Ordered Collections	select	; * {?f a gvp:Facet	; skos:inSche	ame aat: ; gvp:prefLabelGVP/xl:lit	eralForm ?1}		
2.19	Get Subjects in Order	The sam	e holds of TGN (there	e's only two: W	orld and Extraterrestrial Places):			
2.20	Find Contributors by Vocabulary		(
2.21	Find Sources by Vocabulary	select	; * {?f a gvp:Facet	; skos:inSche	ame tgn: ; gvp:prefLabelGVP/xl:lit	eralForm ?1}		
3 Get	ting Information	The sam	e holds of ULAN (the	ere are 5 facets,	see ULAN Hierarchy and Classes):			
3.1	All Data For Subject	coloct	t (2f a group Fagat	- chockin Sobo	and ulars, a compare flabel(UD/ulai)	corolForm 211		
3.2	All Data for Terms of Subject	Select	- (if a gyptradet	; skos:insche	eme ulan: ; gvp:prellabelGvP/xl:ll	verairorm (1)		
3.3	Subject Preferred Label	2.2	Descendants o	of a Given	Parent			
3.4	Preferred and Vernacular Terms	Let's loc	k for AAT descendan	ts of 30019456	7 "drinking vessels". This finds "rhyta" a	nd other interesti	or records inc	Juding "Fichtelgehirgehumnen"-
3.5	Historic Information on Relations	2000 100	ic for the occentration		, ormanig (coscio : rino milos mija e	no otner interesti	.g records, inc	wome reactive constraints .
3.6	Historic Information of Terms	select	; * {?x gvp:broader	Extended aat:	:300194567; skos:inScheme aat: ; g	/p:prefLabelGVP	/xl:literalH	Form ?1}
3.7	Preferred Terms for Contributors	23	Subjects by (Contributo	or Id			
3.8	Preferred Terms for Sources	2.5	Subjects by	contribute				
3.9	Concepts Related by Particular Associative	You can	easily find subjects c	ontributed by a	particular Contributor if you know the id	I. E.g. the Getty C	onservation Is	nstitute (GCI) in AAT is aat_contrib:10000088. Let's find their contributions to aat:300033618 paintings (visual works):
Relatio	n De senthe Oscata d Outris sta	select	; * {					
3.10	Recently Created Subjects	?x a	gvp:Subject; dct:	contributor a	aat_contrib:10000088;			
3.11	Recently Modified Subjects	gr	p:broaderExtended	aat:300033618	8;			
3.12	Recent Revision Actions	đr	p:prefLabelGVP/xl:	literalForm ?	21}			

CONSTRUCT Queries

SPARQL queries that can do complete transformations of an entire graph

Allows users to produce "flattened" subsets of information for specific applications

Formats such as JSON-LD provide further opportunities for data framing

get all facets as top concepts CONSTRUCT { aat: skos:hasTopConcept ?f. aat: a ?t } WHERE {?f a gvp:Facet; skos:inScheme aat:. aat: a ?t

}

OpenTheso Example

OpenTheso – web-based, open-source tool for Thesaurus management developed at the CNRS (National Center for Scientific Research - France)

CONSTRUCT queries used to produce RDF/XML format for loading into system

<?xml version="1.0" encoding="UTF-8"?> <rdf:RDF xmlns:skos="http://www.w3.org/2004/02/skos/core#" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dct="http://purl.org/dc/terms/" xmlns:xsd="http://www.w3.org/2001/XMLSchema#" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"> <rdf:Description rdf:about="http://vocab.getty.edu/aat/"> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264086"/> <rdf:type rdf:resource="http://www.w3.org/2004/02/skos/core#ConceptScheme"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264088"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264089"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264090"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264091"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264092"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300343372"/> <skos:hasTopConcept rdf:resource="http://vocab.getty.edu/aat/300264087"/> </rdf:Description> <rdf:Description rdf:about="http://vocab.getty.edu/aat/300189559"> <skos:prefLabel xml:lang="en">male</skos:prefLabel> <skos:prefLabel xml:lang="zh-hant">雄性</skos:prefLabel> <skos:prefLabel xml:lang="zh-latn-pinyin-x-hanyu">xióng xìng</skos:prefLabel> <skos:prefLabel xml:lang="zh-latn-pinyin-x-notone">xiong xing</skos:prefLabel> <skos:prefLabel xml:lang="zh-latn-wadegile">hsiung hsing</skos:prefLabel> <skos:prefLabel xml:lang="nl">mannelijk</skos:prefLabel> server and the server

Getty Vocabularies Online Search

http://www.	.getty.edu	u/research/too	ols/vocab	, <u>pularies/</u>	Art & Arc	hitecture Th	nesaurus®	Online
Getty Thesa	aurus of	Geographic	Names	® Online	Search the Find Term or I	AAT ID: and Oor		P Help Search Clear
Search the TG Find Name or ID: Place Type: Lookup Nation:	N 	Help Search Clear	Union List	of Artist Na	Pop-up Search Names® Onl	Browse the AAT hierarchies		
LUOKUp	Pop-up Search	Browse the TGN hierarchies		Search the U Find Name or ID Role: Lookup Nationality: Lookup	LAN P: Pop-up Search	Browse the ULAN hierarchies	P Help Search Clear	

Getty Vocabularies Online Updated CONA and IA Search

Cultural Objects Name Authority[®] Online

	? Help
	Search
	Clear
	number
(Does not include works in repositor	ies)
start year end year	
	Image: Second

AAT Lookup ULAN Lookup TGN Lookup IA Lookup

http://www.getty.edu/research/tools/vocabularies/cona/

Search the Iconography Authority (IA)

Iconography:

Browse IA hierarchies

Getty Vocabularies Online Updated CONA Search

Cultural Objects Name Authority[®] Online Search CONA ? Help Find Title or ID: Search Work Types: Jear. AAT Lookup Creator, etc.: ULAN Lookup Material: gold AAT Lookup Location/ number Repository: **ULAN Lookup** Geographic: (Does not include works in repositories) TGN Lookup start year end year Creation Date Range: General Subject: Lookup Specific Subject: AAT Lookup ULAN Lookup TGN Lookup IA Lookup

Free text search criteria is cross-referenced with matching AAT concepts

Crit	eria: Ma	aterial=gold			
104	9 result	s			
			🝽 First		Ne
1.		A Battle from the Trojan War			
		detached leaf; Unknown French (French Scri Getty Museum at the Getty Center (Los Ang- Movable Works by class: drawings, paintings [700006395] Histoire ancienne jusqu'à César Leaf from Ancient History up to the Reign of	ibe); First Mast eles, Los A; 8 s, prints, other Caesar	er of the Bible hi 83.MP.146.3.recto (two-dimensional m	; about 1 Histoire ; edia, Mo
2.		A Blackbird			
	_	folio (leaf); Unknown Franco-Flemish (Franc Natura Avium; De Pastoribus et Ovibus; Bes Works by class: drawings, paintings, prints, De Natura Avium; De Pastoribus et Ovibus;	o-Flemish Illun tiarium; Mirabi other two-dime Bestiarium; Mir	ninator); fourth qua lia Mundi; Philosopl ensional media, Mo rabilia Mundi; Philos	arter of 1 hia Mund vable Wo sophia M
3.		Abraham and the Three Angels			
		folio (leaf); Master of James IV of Scotland (Museum at the Getty Center (Los Angeles, L Movable Works by class: drawings, paintings [700002604]	(Flemish, befor .os A; 83.ML. s, prints, other	e 1465 - about; a 114.11; Ms. Ludwig two-dimensional m	about 15 g IX 18, f edia, Mo
	_	Abraham and the Three Angels: Spinola Hou	irs		
4.		A Caladrius Bird			
		folio (leaf); Unknown Franco-Flemish (Franc Natura Avium; De Pastoribus et Ovibus; Bes Works by class: drawings, paintings, prints.	o-Flemish Illun tiarium; Mirabi other two-dime	ninator); fourth qua lia Mundi; Philosopl ensional media, Mo	arter of 1 hia Mund vable Wo

De Natura Avium: De Pastoribus et Ovibus: Bestiarium: Mirabilia Mundi: Philosophia Mu

Getty Vocabularies Online Updated CONA Search

Cultural Objects Name Authority[®] Online

Search CONA		? Help
Find Title or ID:		Search
Work Types: AAT Lookup		Clear
Creator, etc.: ULAN Lookup		
Material: AAT Lookup	gold (metal) [300011021]	
Location/ Repository: ULAN Lookup		number
Geographic: TGN Lookup	(Does not include works in reposito	ries)
Creation Date Range:	start year end year	
General Subject: Lookup		
Specific Subject:		
AAT Lookup ULAN Loo	okup TGN Lookup IA Lookup	

Specific AAT record selected using the lookup does a narrower hierarchy expansion

Criteria: Material=gold (metal) [300011021]

966 results

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Ill First I Previous

Next ►

🔲 🧴 A Battle from the Trojan War

detached leaf; Unknown French (French Scribe); First Master of the Bible hi...; about 1390 -Getty Museum at the Getty Center (Los Angeles, Los A...; 83.MP.146.3.recto (Histoire ancien Movable Works by class: drawings, paintings, prints, other two-dimensional media, Movable [700006395]

Histoire ancienne jusqu'à César

Leaf from Ancient History up to the Reign of Caesar

2. 🔲 👗 A Blackbird

folio (leaf); Unknown Franco-Flemish (Franco-Flemish Illuminator); fourth quarter of 13th ce Natura Avium; De Pastoribus et Ovibus; Bestiarium; Mirabilia Mundi; Philosophia Mundi; On t Works by class: drawings, paintings, prints, other two-dimensional media, Movable Works) [7 De Natura Avium; De Pastoribus et Ovibus; Bestiarium; Mirabilia Mundi; Philosophia Mundi; O

📄 🡬 🛛 A Caladrius Bird

folio (leaf); Unknown Franco-Flemish (Franco-Flemish Illuminator); fourth quarter of 13th ce Natura Avium; De Pastoribus et Ovibus; Bestiarium; Mirabilia Mundi; Philosophia Mundi; On t Works by class: drawings, paintings, prints, other two-dimensional media, Movable Works) [7 De Natura Avium; De Pastoribus et Ovibus; Bestiarium; Mirabilia Mundi; Philosophia Mundi; Q

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Reconciliation – Connecting to the Getty Vocabularies

The Getty Vocabularies provide identities for cultural heritage concepts, people and places

The process of linking institutional metadata to Getty Vocabularies entities is called *Reconciliation*

Recent projects have focused on performing reconciliation with internal Getty datasets with the added benefit of providing better tools and processes to all users

Future systems will increase usability for researchers and application developers

Reconciliation of Getty Museum Classifications, Mediums, Places, and Artists

Custom code using Oracle master database

Cascading set of search techniques – normalized, text, exact

Use of birth/death dates for artist names

Approximately 1/3 with single matches; reports of multiple matches and zero matches delivered to program

Getty Museum Mediums Output Example (multiple matches)

Object Name	AAT ID	AAT Pref Term	Scope Note	Hierarchy
Architecture	300263552	architecture (object genre)	Structures or parts of structures that are the result of conscious construction, are of practical	(object genres, Object Genres, Objects Facet)
	300054156	architecture (discipline)	The art or science of designing and building structures, especially habitable structures, in ac	(visual arts, arts, <arts and="" disciplines="" related="">,</arts>
Base	300226835	bases (skirts)	Flared and pleated skirts of cloth, often velvet or brocade, or of mail or plate metal, worn ov	(<body armor="" extremities="" for="" lower="">, body arm</body>
	300237910	base (substance)	In chemistry, any compound that in water solution is slippery to the touch, tastes bitter, turr	(<materials by="" property="">, materials, Materials,</materials>
	300015297	ground (material)	Substance used to prepare the surface on which or from which an image is made.	(surface preparation materials, <materials by="" f<="" td=""></materials>
	300387201	bases (operational centers)	Administrative centers of operation. Used often to refer to military headquarters or installat	(<complexes by="" function="">, complexes, Built Co</complexes>
	300001656	bases (object components)	Elements at the bottoms of structures or objects upon which the upper parts rest or are supp	(<components by="" context="" general="">, componen</components>
	300404431	base (relationship indicator)	The element serving as the reference point in an equation or ratio of size, dimensions, or of	(<size by="" dimensions="" general="" type="">, size/dime</size>
	300043034	cruet stands	Trays or small receptacles for holding two or more small bottles or other vessels for ceremo	(<accessory containers="" food="" for="" service="">, <cont< th=""></cont<></accessory>
	300299018	base		(iccd objects, <iccd objects="">, <temp.parent ca<="" td=""></temp.parent></iccd>
	300039767	stands (support objects)	Objects designed to support or display another object; examples are small tablelike pieces of	(support furniture, <furniture by="" form="" function<="" or="" td=""></furniture>
Beam	300263647	beams (supporting equipment)	In the hand working of hides and skins, convex slabs, typically wooden, sloping upwards from	(supporting equipment, <equipment by="" proces<="" td=""></equipment>
	300251460	beams (tanning equipment)	Sloping boards or frames upon which hides are worked in tanning.	(<hide and="" equipment="" skin="" treating="">, <equipm< td=""></equipm<></hide>
	300001497	beams (structural elements)	Structural members whose primary function is to carry transverse loads.	(<spanning and="" elements<="" projecting="" structural="" td=""></spanning>
	300195832	beams (balance components)	Crossbars of balances, from the ends of which the pans or baskets are suspended.	(scale components, measuring device components)
Brick	300410346	bricks (visual works)	Objects made of brick, particularly those having a design or image impressed, carved, or pair	(<visual by="" form="" works="">, visual works, Visual W</visual>
	300010463	brick (clay material)	Clay or clay products formed into a rectangular block and hardened by drying in the sun or fit	(<clay by="" product="">, clay, inorganic material, <m< td=""></m<></clay>
	300311462	brick red (color)	Variable orange colors resembling the color of bricks, which are typically rectangular clay pro	(variable orange colors, orange colors, chromat
Capital	300387218	capitals (seats of government)	Principal centers of any size that are seats of government for an administrative area, includin	(<settlements administrative="" by="" function:="">, <se< td=""></se<></settlements>
	300001662	capitals (column components)	The uppermost members of columns, piers, or pilasters.	(<capitals and="" capital="" components="">, column co</capitals>
	300138242	capital (economic concept)	Accumulated goods and financial resources devoted to the production of other goods or to g	(economic concepts, social science concepts, A
Column	300200012	columns (layout features)	Vertical lists of items or vertical sections into which the text of a manuscript or printed page	(layout features, information form component
	300026441	newspaper columns	Written articles appearing regularly in a series in a newspaper.	(articles, <documents by="" conditions="" of="" product<="" td=""></documents>
	300001571	columns (architectural elements)	In the discipline of architecture, refers to cylindrical or slightly tapering, vertical members m	(<columns and="" column="" components="">, <support< td=""></support<></columns>

Current Reconciliation Tools

Individual searches on Vocabularies web pages

- Human search and retrieval of Vocabulary records
- Hierarchy visualization and search

Legacy XML web services (<u>http://www.getty.edu/research/tools/vocabularies/vocab_web_services.pdf</u>)

- Search imitates the behavior of Vocabs on the Web search pages
- Return format of XML in Getty Vocabulary Program custom schema definition

SPARQL endpoint at Vocabularies LODsite (<u>http://vocab.getty.edu/sparql</u>)

- SKOS-based entity descriptions
- Lucene text index

OpenRefine (<u>http://openrefine.org</u>)

Reconciliation with OpenRefine

Use SPARQL endpoint to return entity IDs in JSON format

Resources:

- Vocabularies LOD Sample queries page (<u>http://vocab.getty.edu</u>)
- Using OpenRefine with the Getty Vocabularies LOD tutorial (www.getty.edu/research/tools/vocabularies/garcia open refine.pdf)

(i) 127.0.0.1:3333/project?project=1844	835252820 C Search	☆ 自 ♥						
Refine TMSFields xls	X Permalink	Open						
Facet / Filter Undo / Redo o	10 rows							
	Show as: rows records Show: 5 10 25 50 rows	« first < previous *						
Using facets and filters	Add column by fetching URLs based on column Column 1							
Use facets and filters to select subse of your data to act on. Choose facet a filter methods from the menus at the of each data column. Not sure how to get started? Watch these screencasts	New column name Reconcile1 Throttle delay 5000 milliseconds On error Image: Store error Image: Store error Image: Store error Image: Store error Formulate the URLs to fetch: Image: Store error Image: Store error Image: Store error Expression Language General Refine Expression Language (GREL) Image: Store error							
	<pre>'http://vocab.getty.edu/sparql.json?query=select+distinct* {?x+skos:inScheme+aat:;(xl:prefLabel xl:altLabel)/gvp:term"' + escape(toLowercase(trim(value)), 'url') + '"@en}' Preview History Starred Help</pre>							
	row value 'http://vocab.getty.edu/sparql.json?query=select+distinct* {?x+skos:inScheme+aat:;(xl:prefLabel xl:altLabel)/gvp:term'' + escape(toLowercase(trim(value)), 'url') + '''@en}'							
	1. Sling- bullets http://vocab.getty.edu/sparql.json?query=select+distinct*{?x+skos:inScheme+aat:; (xl:prefLabel xl:altLabel)/gvp:term"sling-bullets"@en}							
	2. Finials http://vocab.getty.edu/sparql.json?query=select+distinct*{?x+skos:inScheme+aat:; (xl:prefLabel xl:altLabel)/gvp:term"finials"@en}							
	3. Scaraboids http://vocab.getty.edu/sparql.json?query=select+distinct*{?x+skos:inScheme+aat:; (xl:prefLabel xl:altLabel)/gvp:term"scaraboids"@en}							
	OK Cancel							



22. Law Books

23. Breastplates 24. Cups and Saucers

25. Distemper on linen

http://vocab.getty.edu/aat/300036753 Art & Architecture Thesaurus®

GettyGuide

GettyGuide glossary term

In Development: Reconciliation Service for OpenRefine





Refine AATA CB SampleData xlsx Permalink

Facet / Filter	Undo / Redo 7	32	32 rows				
Refresh	Reset All Remove All	Show as: rows records Show: 5 10 25 50 rows					
Column 1: judgment change					Column 1		
2 choices Sort by: name count			9	1.	Archaeological Institute of America. American School of Classical Studies at		
matched 12					Athens. Choose new match		
Facet by choice cou	ints	ជ	9	2.	Getty Conservation Institute Choose new match		
Column 1: be	est candidate's change reset	☆	9	3.	C.H. Beck'sche Verlagsbuchhandlung		
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		☆	9	5.	Verlag Philipp von Zabern GmbH		
		슜	5	6.	Society for the Protection of Ancient Buildings Society for the Protection of Ancient Buildings (0.813) Switzerland. Directorate of Federal Buildings for Buildings Abroad (0.479) Royal Society for the Protection of Birds (0.477) Create new topic		
		☆	9	7.	Elsevier BV		
		☆	9	8.	Associazione nazionale per i centri storico-artistici Choose new match		
		☆	9	9.	J. Paul Getty Trust ✓ ✓ J. Paul Getty Trust. Getty Grant Program (0.58) ✓ ✓ J. Paul Getty Museum at the Getty Villa (0.44) ✓ ✓ J. Paul Getty Museum at the Getty Center (0.44) ✓ ✓ J. Paul Getty Trust (0.398) ✓ ✓ Create new topic		
		슜	5	10.	Wiley-Blackwell Publishing Ltd.		

New LOD Profile Features

New JSON-LD profile uses the CIDOC-CRM ontology to provide a compact view of Vocabulary data suitable for semantic manipulation and framing

Ties directly into Linked.art data model

Eliminates idea of "preferences" throughout the data model; designation of preferred values/labels to be served through a mechanism TBD

New LOD Profile Preview (AAT)

Concept Descriptions

Notes that describe a concept and clarify its meaning within the context of the AAT.

Chinese (traditional)

Dutch English

German

Spanish

Vessels from Ancient Greece, eastern Europe, or the Middle East that were typically made as a closed form with two openings, one at the top for filling and one at the base so that liquid could stream out. They are often in the shape of a horn or an animal's head, and were typically used as a drinking cup or for pouring wine into another vessel. Drinking was done by holding the rhyton above the drinker's head and catching the stream of liquid in the mouth.

Sources:

J. Paul Getty Museum. [online] Los Angeles: J. Paul Getty Trust, 2000-. http://www.getty.edu/art/collections/ (1 January 2003).

Encyclopædia Britannica. Britannica Online. Chicago: Encyclopædia Britannica, Inc., 2002-. http://www.eb.com/ (1 July 2002).

Each object within the *subject_of* array is a single term used to Expand describe this concept. They follow the Linked Art Linguistic Object pattern. They each may have one or more referred to by blocks, each of which is another Linguistic Object. These are *classified_as* various types, and more information about the type URLs can be found in the uses terms section below. "subject_of": ["id": "http://vocab.getty.edu/aat/scopeNote/34904" "type": "LinguisticObject", "value": "Vessels from Ancient Greece, eastern Eury "language": "en", "referred to by": ["id": "http://vocab.getty.edu/aat/300198841#de: "type": "Name", "value": "Getty Vocabulary Program", "identifies": "http://vocab.getty.edu/aat/cont "classified as": ["http://vocab.getty.edu/aat/300403974"

},

Contributors:

New LOD Profile Preview (AAT)

- rhyta (English)

Type of Term: **Descriptor** | Part of Speech: **Plural Noun**

atta://waaab.gattu.adu/aat/tarms/10001000/1

Sources:

CDMARC Subjects: Library of Congress Subject Headings. Washington, DC: Library of Congress, Cataloging Distribution Service, 1988-. Quarterly, with each issue cumulative.

Encyclopædia Britannica. Britannica Online. Chicago: Encyclopædia Britannica, Inc., 2002-. http://www.eb.com/ (1 July 2002).

Boardman, John. El Arte Griego. Barcelona: Destino, 1996.

Contributors:

Getty Conservation Institute, The Getty Center (Los Angeles, California)

Getty Vocabulary Program

Centro de Documentación de Bienes Patrimoniales (Dirección de Bibliotecas, Archivos y Museos; Santiago, Chile)

```
"identifies": "http://vocab.getty.edu/aat/contr
     "classified_as": [
       "http://vocab.getty.edu/aat/300403974"
   },
     "id": "http://vocab.getty.edu/aat/300198841#te
     "type": "Name",
     "value": "TAA: Tesauro de Arte & Arquitectura.
     "identifies": "http://vocab.getty.edu/aat/sour
     "classified as": [
       "http://vocab.getty.edu/aat/300311936"
},
 "id": "http://vocab.getty.edu/aat/term/1000589084
 "type": "Name",
 "value": "角杯",
 "language": "zh-hant",
 "classified as": [
   "http://vocab.getty.edu/term/type/UsedForTerm"
 ٦,
 "referred to by": [
```

Contributing to the Getty Vocabularies

Individual records can be submitted through online contribution form

- <u>http://vocabcontrib.getty.edu/login.aspx</u>
- Requires registering with the Getty Vocabulary Program as a contributor
- Only works with Internet Explorer in compatibility mode (Yikes!)

XML Format for bulk import

- <u>http://www.getty.edu/research/tools/vocabularies/getty_vocab_xml_schemas.zip</u>
- Data not submitted in XML import format can take an undermined amount of time to process
- Import format is custom Getty Vocabularies schema definition

Required Fields (webform)

Art & Architecture Thesaurus® C Candidate contribution form	Online	Di:
Save Draft Open Draft Clear Form	Submit Candidate Log Out	Red stars indicate
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Conclusions on Contributing to the Getty Vocabularies

Systems are old and/or cumbersome

Data transformations are time-consuming processes that can lead to errors no matter how careful the mapping

Required data may not be available

New processes and tools are needed to make contributing to the Getty Vocabularies quicker and easier without sacrificing accuracy or bypassing editorial authority

Current/Future Development

Rebuild/re-architect of internal systems

- Maximize open source platforms (Arches)
- Improve flow of system inputs and outputs accept contributions and publish seamlessly
- Internal subscription and messaging system for tracking changes and making updates

Updated profile and visualization for LOD entities

- New default CRM-based entity profiles for JSON and JSON-LD serializations
- All other serializations (RDF/XML, Turtle, N-triples) stay SKOS-based

Reconciliation service for OpenRefine