Incorporating Representative Visual Resources in a Thesaurus

ISO 25964 Focus Group Report
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Proposal: Incorporating Representative Visual Resources in a thesaurus

for two possible directions:

1. In an independent thesaurus:
   
   Have a visual resources property for any res* in a thesaurus
   
   • Note: It is similar to AAT’s “representative images” used in entries, but will extend the property to representative visual resource, not limited to images.

res = “thing” in Latin

https://www.iflastandards.info/lrm/lrmer#E1

Any entity in the universe of discourse (=superclass of all)
Direction 1. In an independent thesaurus:

Have a **visual resources** property for any **res** in a thesaurus

Note: 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.

Terms:
- **rhyta** (preferred: C, U, L.C, English-P, D, U, PN) (Spanish, UF, U, PN)
- **rhyton** (C, U, English, AD, U, SN) (Spanish, AD, U, SN)
- **Rhyton** (C, U, English, AD, U, SN)
- **rhythons** (C, U, English, UF, U, N) (French, D, U, PN) (Spanish-P, D, U, PN)
- **rhea (vessels)** (C, U, English, UF, U, N)
- **rheens** (C, U, English, UF, U, N)
Possible representative images linked to a res in a hierarchy of a thesaurus

Image source: Chen, Sophy Shujun. 2021. Figure 3: Concepts of Chinese scripts as three-tier hierarchy in current AAT knowledge structure.
Image source: Chen, Sophy Shujun. 2021. Figure 4. Revised AAT vocabulary structure for Chinese “ritual vessels,” divided into “wine vessels,” “food vessels,” and “water vessels” based on function.
**NOMEN** = any sign or sequence of signs (alphanumeric characters, symbols, sound, etc.) by which a **res** is known, referred to or addressed as.

**Example:**

Accession Number (AN): 2005:3738  USAN
Publication Year (PY): 2002

**Generic Name (CN):** Flindakalor
**OTHER NAMES:**
Chemical Name (CN): 2H-Indol-2-one, 3-((5-chloro-2-methoxyphenyl)-3-fluoro-1,3-dihydro-6-(trifluoromethyl)-, (3S)-
Chemical Name (CN): (3S)-3-((5-Chloro-2-methoxyphenyl)-3-fluoro-6-(trifluoromethyl)-1,3-dihydro-2H-indol-2-one
Trade Name (CN): MaxiPost (Bristol-Myers Squibb)
Code Designation (CN): EMS-204352
CAS Registry No. (RN): 137523-35-9
Molecular Formula (MF): C16 H10 Cl F4 N O2
Lit. Str. Formula (LRF): C16 H10 Cl F4 N O2
Molecular Weight (MW): 359.71

Absolute stereochemistry. Rotation (+).

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2. In a combined thesaurus and collection:
   - Establish a relation
     - Use a thesaurus as the basic resource
     - connect through the representative visual resource property
       → to the classes hosting the instances of the visual resources

Consult V&A Museum Chinese Iconography Thesaurus CIT’s approach.
• **Coverage**: motifs, subjects, and themes of images

• **Material forms**: paintings, sculpture, prints, book illustrations, ceramics, and other types of applied arts

• **Time period**: made in China from 700 to 1900.

• **Sources**: representative collections of museums and libraries.

**Victoria & Albert Museum, London**

**Chinese Iconography Thesaurus (CIT)**

Home page: [https://chineseiconography.org/](https://chineseiconography.org/)

9273 items, from:

- **Collections**
  - 943 Metropolitan Museum of Art, New York, NY
  - 3864 National Palace Museum, Taipei
  - 2093 Victoria and Albert Museum
  - 2278 Harvard College Library Harvard-Yenching Library
  - 95 Cleveland Museum of Art, Cleveland
### Collections

- Metropolitan Museum of Art, New York, NY (65)
- National Palace Museum, Taipei (622)
- Victoria and Albert Museum (134)
- Harvard College Library Harvard-Yenching Library (83)
- Cleveland Museum of Art, Cleveland (32)

### Terms Used:

- standing (movement, posture, and gesture of the human body)
- scarf used to tie around the waist
- robe
- shoes
- tree
- headchief
- upper garment
- holding something
- scholar
- attendant
- table
- sitting (movement, posture of human body)
- walking (movement, posture of human body)
- human figure
- trousers

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[Image of the website interface with the researcher's name and conference details]

Marcia Zeng. NKOS Workshop 2024, Wuhan.
Linked Conservation Data

Conservation controlled vocabularies

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A Glossary of Stained Glass Terms
A library, media, and archival preservation glossary
ABC of bookbinding
AIC BPG Glossary of Terms
AIC Lexicon Terms
Art & Architecture Thesaurus (AAT)
AV Artifact Atlas
Binding Terms. Rare Books and Manuscripts Section: Conservation
BM Object names Thesaurus
Bookbinding and the Conservation of Books: A Dictionary of Conservation
Etherington.
BS EN 15898:2011 - Conservation of cultural property. Main guidance
BS EN 923:2015 Adhesives. Terms and definitions.
CAMEO: Conservation & Art Materials Encyclopedia Online
Compendium of Image Errors in Analogue Video
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Conservation and Restoration of Stained Glass - an owner's guide
Conservation of the architectural surfaces in the tablinum of the
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FIAF manual, D.16 Manifestation/Item Condition, Preservation and Restoration

FISH Archaeological Objects Thesaurus
FISH Archaeological Sciences Thesaurus
FISH Building Materials Thesaurus
FISH Components Thesaurus
FISH Event Types Thesaurus
FISH Evidence Thesaurus
"FISH Thesaurus of Monument Types"
Glassworking, Ancient and Medieval, Terminology, technology and typology
Glossario de términos relacionados con el deterioro de las piedras de construcción
Glossary of Arab terms for the conservation of cultural heritage
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Painting Conservation - Glossary of Terms - Smithsonian Museum Conservation Institute
Petra archaeological park weathering and deterioration definitions
Stained Glass Terminology
Thesaurus for Graphic Materials
Visual Glossary - Australian Institute for the Conservation of Cultural Material

Terminology workshop
2019 6, Stanford Univ.

https://www.ligatus.org.uk/lcd/controlled-vocabularies
Illustrated Glossary

Source: ICOMOS-ISCS :
Illustrated glossary on stone deterioration patterns
Glossaire illustré sur les formes d’altération de la pierre

See more illustrated conservation vocabs in
https://www.ligatus.org.uk/lcd/controlled-vocabularies#7
EwaGlos – European Illustrated Glossary for Conservation Terms of Wall Painting and Architectonic Surfaces (10+ languages)
Summary

The representative visual resources can be directly used in a thesaurus and other KOS vocabularies.

They can provide more meaningful contextual information about an instance of res (any entity in the universe of discourse) in any KOS-supported products and services.

Representative visual resources in a thesaurus and other KOS vocabularies can bring another meaningful component(s) for Enhancing Semantic Consistency, Communication, and FAIRness of Open Cultural Heritage Resources in the

- Cross-Cultural,
- Cross-Language, and
- Cross-time Periods situations

Marcia Zeng. NKOS Workshop 2024, Wuhan
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<td>beaming face with smiling eyes</td>
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Proposal: Incorporating Representative Visual Resources in a thesaurus

Additional points

• Basic methodology, based on the model of LRM:
  • To separate the thing itself (res) from what it is known by, referred to, or addressed (i.e., nomen).
  • To incorporate representation visual resources in a KOS vocabulary.

  *Nomen & Res* are terms from Latin that do not have to be translated and are not loaded with other meanings.

  • Res: Any entity in the universe of discourse (=superclass of all)
  • Nomen: An association between an entity and a designation that refers to it.
Ogden & Richard's (1923) triangle of meaning


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Image source: https://newlearningonline.com/assets/uploads/gallery/triads-1.png

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Ogden & Richard's (1923) triangle of meaning

The triangle of meaning illustrates the relationship between symbols, thoughts, and referents. It consists of three main components:

1. **Symbol**: A word or sign that stands for something else.
2. **Thought (Reference)**: The concept or idea that the symbol refers to.
3. **Referent (Thing)**: The object, concept, or entity that the symbol represents.

- **STANDS FOR** (an imputed relation)
- **CORRECT** (a causal relation)
- **ADEQUATE** (other causal relations)

The triangle helps to visualize how symbols can be incorrect, adequate, or correct in their relationship with the referent. The image also includes a cartoon of a dog labeled "Dog" and a word labeled "Symbol," further illustrating the concept.
“The relations between language, knowledge, and the world, and more specifically between terms, concepts, and entities in the world, are effectively depicted in the so-called “triangle of reference”, or “semiotic triangle” [Ogden, Richards 1923].

The semiotic triangle, in the general case (left) and the specific case (middle), with an example (right). Adapted from [Ogden, Richards 1923: p.11].

Image source: https://www.iec.ch/standards-development/role-terminology
• the referent of an expression (a word or another sign or symbol) is relative to different language users

References


Žumer, Maja, Marcia Lei Zeng, and Athena Salaba. 2012. FRSAD: conceptual modeling of aboutness. ABC-CLIO,
