

The Arches Reference Data Management Tool

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Photo: <https://www.flickr.com/photos/slaioo/>



Categorize

Describe

Explain its significance

....as any fule kno...

Acropolis

Archaeological site

Settlement

Military Building





You need a knowledge
organization system.



Silver
(material)





Silver
(color)

Semantics are important

XTH OLYMPIAD

LOS ANGELES

1932

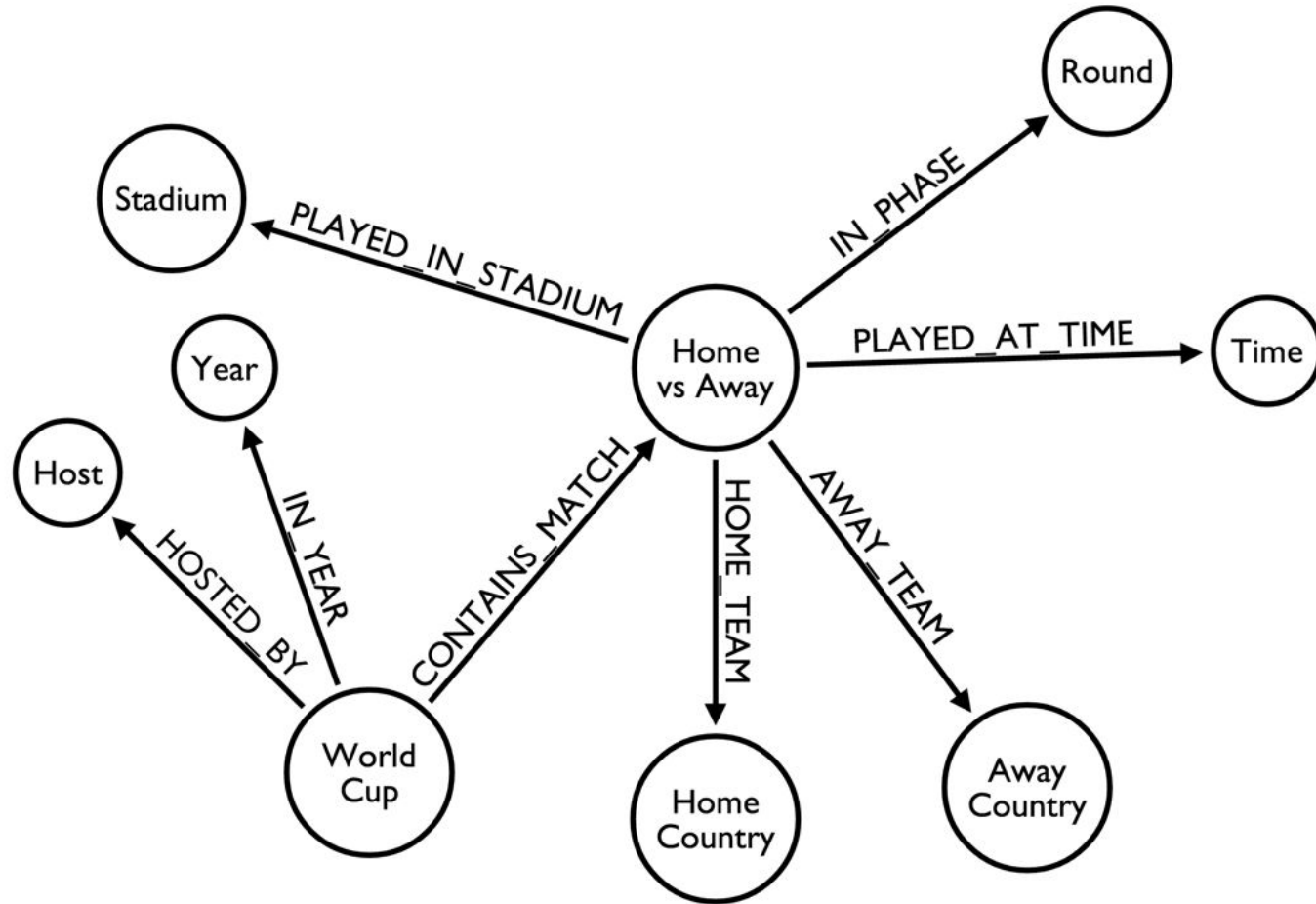


People, Events, Activities
are important





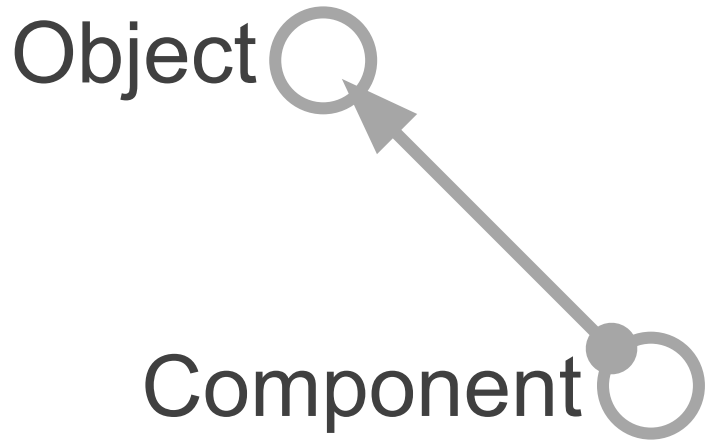
Graph Data Structure





Object ○





Object ○

Property: consists of

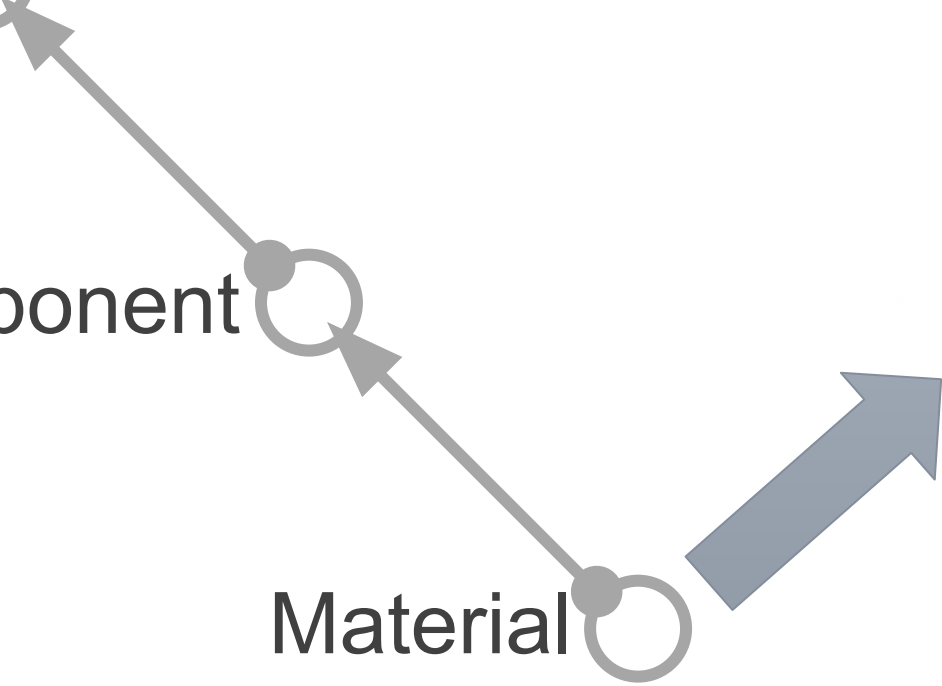
Component ● ○



Object ○

Component ○

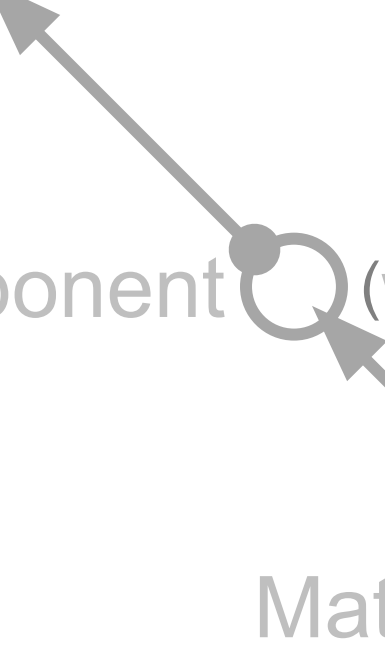
Material ○



Object ○ (www.crm.definition1)

Component ○ (www.crm.definition2)

Material ○ (www.crm.definition3)





CIDOC Conceptual Reference Model
- Deutsche Edition -

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E57 Material

Engl. Class name: E57 Material

Hierarchy

Superclass of: no

Subclass of: [E55 Type](#)

Description / Application

This class is a specialization of the class [E55 Type](#) and comprises the concepts of materials.

Instances of the class **E57 material** retain their character both before and during its processing with other objects such as ultramarine blue powder tempera paste, reinforced concrete. Raw materials such as bricks, panels, pieces of metal, which are collected in museums should be modeled individually in the same way as other items. Standalone used or processed pieces like the stones from Nefer Titi (Nefertiti) temple, should be modeled as part (see. The property *P46 is composed of (forms part of)*).

This class is used categorically in CRM without reference to its instances. That is, the model provides no description of instances of instances of **E57 material** before, such as: "Instances of Gold".

The use of internationally - agreed or national codes and terminology is recommended.

Examples

1. Brick
2. Gold
3. Aluminum
4. Polycarbonate
5. Resin

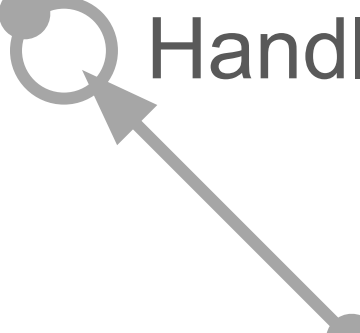
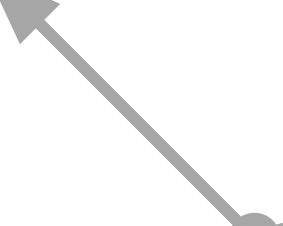
[E56 | entities | E58](#)
[Properties](#)



Object ○ Hammer

Component ○ Handle

Material ○ Silver



Silver, Silber, Plata, 銀, ασήμι

Heritage
Resource



Places



Spatial Representations



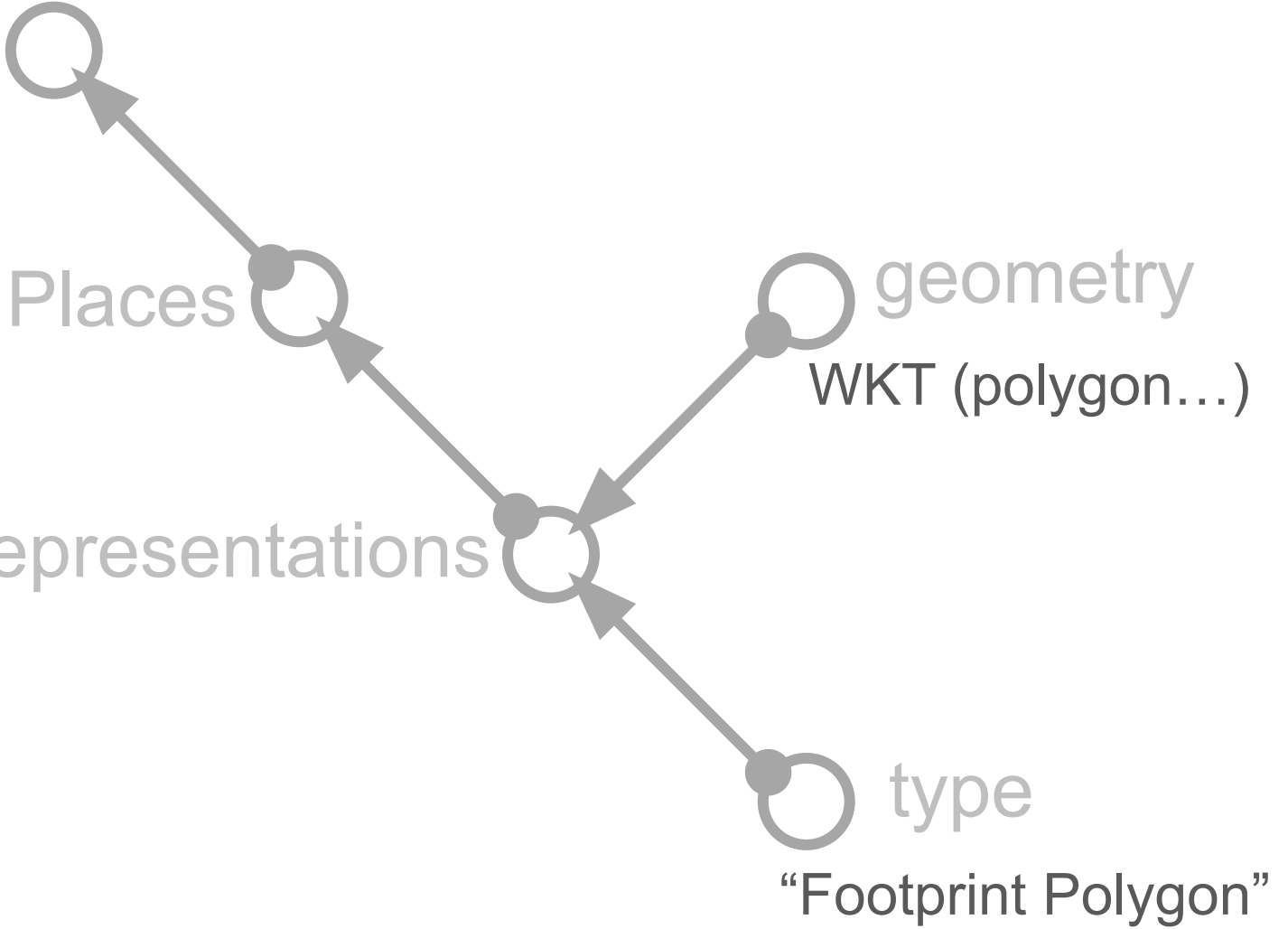
geometry

WKT (polygon...)



type

“Footprint Polygon”



Heritage
Resource



Places



Description

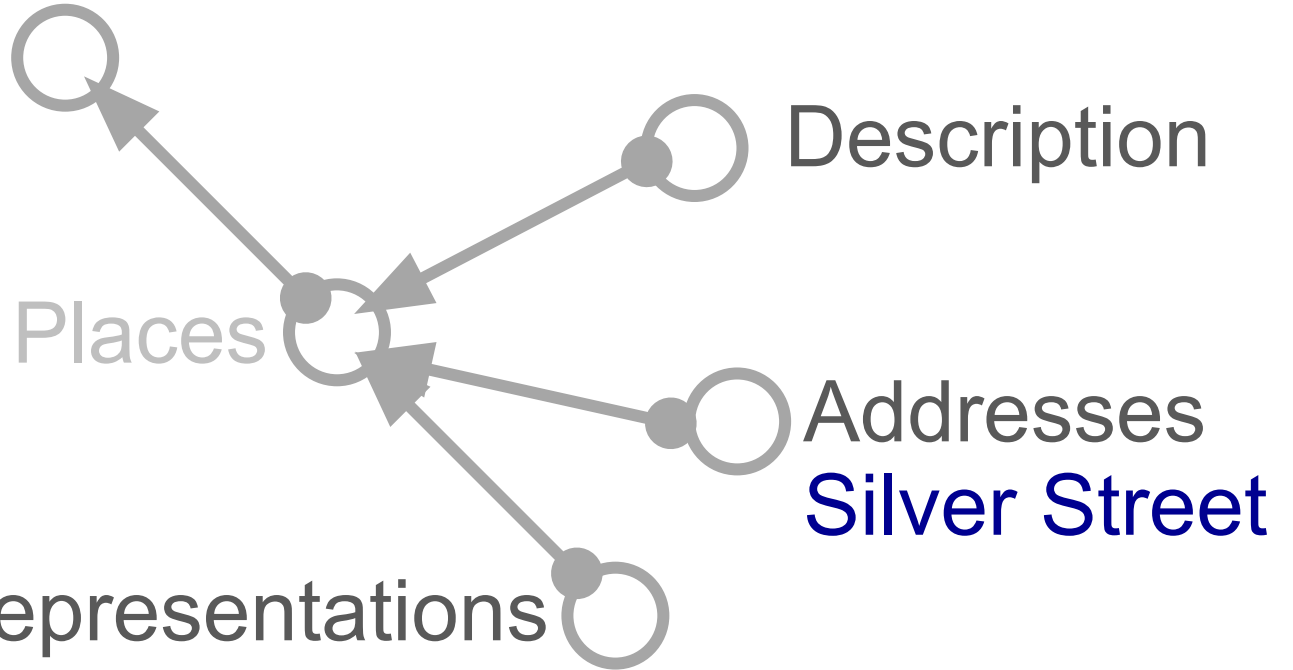


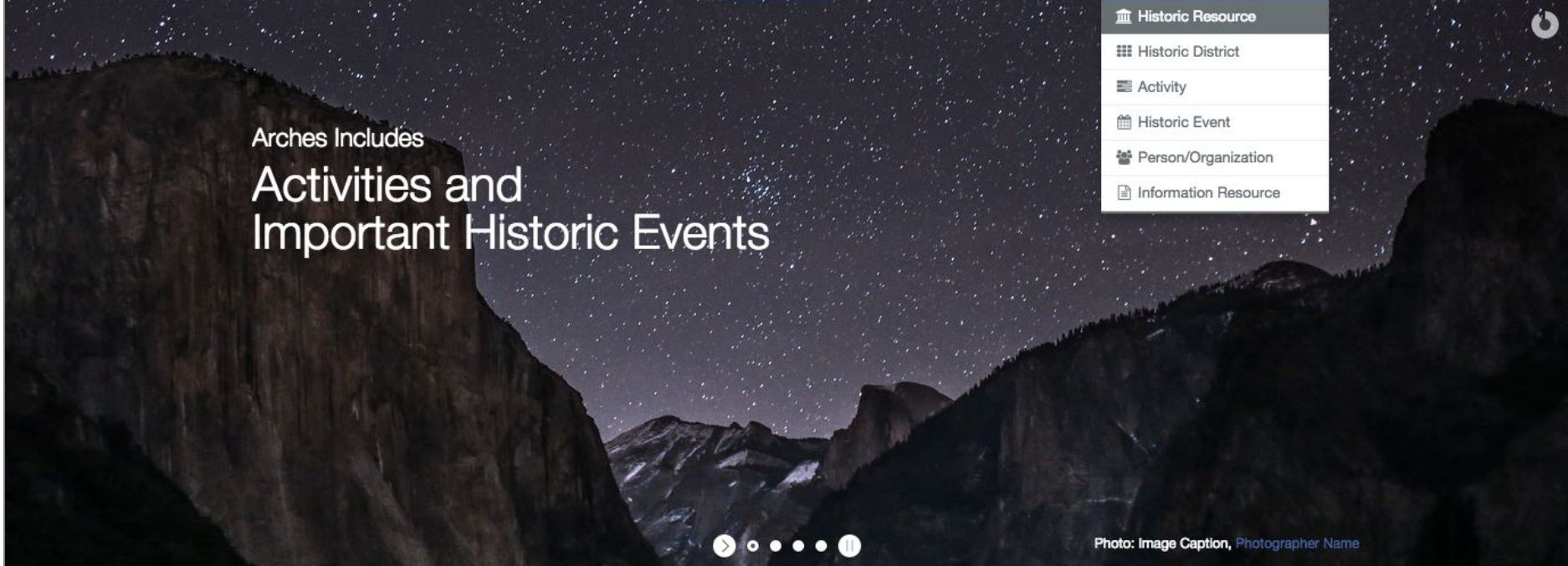
Addresses



Silver Street

Spatial Representations





Arches Includes
**Activities and
Important Historic Events**

-  Historic Resource
-  Historic District
-  Activity
-  Historic Event
-  Person/Organization
-  Information Resource



Photo: [Image Caption](#), [Photographer Name](#)

Arches Powers HistoricPlacesLA

Los Angeles is taking a significant step to protect its rich heritage by publishing HistoricPlacesLA (HPLA) on Arches v3.0 and Arches-HIP 1.0. HPLA presents cultural heritage information collected as part of SurveyLA - a citywide survey to identify and document historic resources representing significant themes in the city's history.

 [Learn More](#)

Featured Heritage

These are some of the interesting cultural heritage stories in Arches-HIP (Heritage Inventory Package)

Business Mapping Software x http://info.neo4j.com/rs/ne x The Top 10 Riskiest Cycling x Polaris | Oil Spill Response x hip_drw x Dennis

localhost:8000/resources/HERITAGE_RESOURCE.E18/summary/

Apps Seth's Blog @ASmartBear GIS Stack Borowitz Report Geoawesomeness thinkwhere | A Geo b The Marauding Carto andrewxhill WIRED Top Stories - Quartz Other Bookmarks

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arches HOME SEARCH MAP VIEW **RESOURCE MANAGER** RDM

Resource Data Manager **New Resource** [Historic Resource](#)
Arches ID: n/a

Resource Description

- Resource Summary**
- Descriptions
- Location
- Classifications
- Components
- Measurements
- Condition Assessment
- Images and Files
- Related Resources
- External System References
- Evaluate Resource**
- Designation
- Evaluation Criteria

Resource Summary

Discard edits Save edits

Historic Resource Type

Type Add ▼

This resource has these types:
No Types Defined

Names

Name Type Add ▼

This resource has these names:
No Names Defined

Important Dates

Date type yyyy-mm-dd Add ▼

These dates are associated with this resource:
No Dates Defined

Keywords

Keyword Add ▼

These keywords are associated with this resource:
No Keywords Defined

- Resource Description
- Resource Summary
- Descriptions
- Location**
- Classifications
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Location Discard edits Save edits

Mapped Locations

Geometry Tools

- Draw new point
- Draw new line
- Draw new polygon
- Add from gpx, kml, or geojson
(or drag and drop the file onto the map)

[Basemaps](#) [+ Add Geometry](#)

This resource is represented by the following coordinates:

- Resource Description
- Resource Summary
- Descriptions
- Location
- Classifications
- Components
- Measurements
- * Condition Assessment**
- Images and Files
- Related Resources
- External System References
- Evaluate Resource**
- Designation
- Evaluation Criteria

* Condition Assessment

Cancel Save



Part 1 Assessment Summary

Start your condition assessment by describing the overall condition of the resource and the date you observed the resource.

condition date assessed (yyyy-mm-dd)

Description

B *I* U 11

Reference Data Manager (RDM)

Material

RDM

Tools

- ▶ Material
- ▶ Measurement Type
- ▶ Modification Type
- ▶ Name Type
- ▶ Recommendation Type
- ▶ Related Feature
- ▶ Resource Classification
- ▶ Resource Name Type
- ▶ Resource To Resource Relationship Types
- ▶ Right Type
- ▶ Setting Type
- ▶ Status
- ▶ Status Type

gold (metal) (en-US) (Concept)

Manage

Labels

Add label

- ✖ gold (metal) (preferred, en)
- ✖ oro (metal) (preferred, es)
- ✖ 金 (preferred, jp)

Notes

Add note

✖ scopeNote (en)

Pure metallic element having symbol Au and atomic number 79; a soft, inert, shiny reddish yellow metal that is very malleable and ductile. Gold has been highly valued and found in artifacts dating to before 5000 BCE. Native gold, found in quartz veins (vein gold) and alluvial deposits (placer gold), generally contains some silver and copper.

✖ scopeNote (jp)

純粋な金属元素を有するシンボルAuと原子番号79。非常に展性と延性であるソフト、不活性、光沢のある赤みがかった黄色金属。ゴールドは非常に評価され、5000の前に紀元前にさかのぼる人工物で発見されました。

Broader/Narrower Concepts

Show graph

- Arches
- ... Material
- gold (metal)

Related Concepts

Add related concept

Arches



creates
self-describing data



open source



JOHANNES GUTENBERG
UNIVERSITÄT MAINZ



Thanks.

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