



PAGODE general assembly

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Activity 3: Content's curation and digitisation

Royal Institute for Cultural Heritage (KIK-IRPA)

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Activity 3: Content's curation and digitisation

- T3.1: Semantic background for the curation of China-related records in Europeana
 - Defining Chinese and China-related cultural heritage in Europe: a conceptual scheme
- T3.2: Workshop on curation of Chinese CH in Europeana
 - Semantic workshop online event 9-10 July 2020
- T3.3: Digitisation of Tier 4 new contents to Europeana and metadata creation
 - Ongoing...



T3.3: Digitisation of Tier 4 new contents to Europeana and metadata creation

PAGODE - survey on digitization/ingestion plan January 2020

Content provider	Aggregator	Items
KIK-IRPA	Photoconsortium	2,500
United Archives	Photoconsortium	3,400
Benaki	EKT	200
Kadoc	LIBIS/Photoconsortium	103
Leiden Libraries	Beeld & Geluid	167
Museovirasto	Finna	1,000
Slovenian Ethnographic Museum	Photoconsortium	896
Wereldculturen	(possibly it's NISV)	3,387
Total Tier 4		11,653



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T3.3: Digitisation of Tier 4 new contents to Europeana and metadata creation

- Digitisation at the Royal Institute for Cultural Heritage (KIK-IRPA)
 - Collection: 1,000,000 original photographic negatives
 - Photographic inventory of Belgian cultural and artistic heritage
 - Three priorities or selection criteria:
 - negatives which are most in danger of degradation
 - negatives which offer an immediate valorization (e.g. Pagode)
 - internal and external orders for high-resolution images (e.g. Pagode)



Digitisation at KIK-IRPA: aim

- To save as much information as possible:
 - the smallest significant details of the image must pass the digitization process
 - the photographic grain
 - the dynamic range



Digitisation at KIK-IRPA: how

- Digital re-photography
 - The negative is placed on a reproduction bench
 - Use of high-range (or even midrange) cameras
 - Quick to use: the object is digitized in a single shot
 - unlike a scanned image built up line by line over several minutes
 - Before each scanning session, a gray chart is photographed
 - The negative is always scanned in color for two reasons:
 - color photography allows more information to be recorded
 - color photography allows maintaining control over the subsequent grayscale conversion of the image



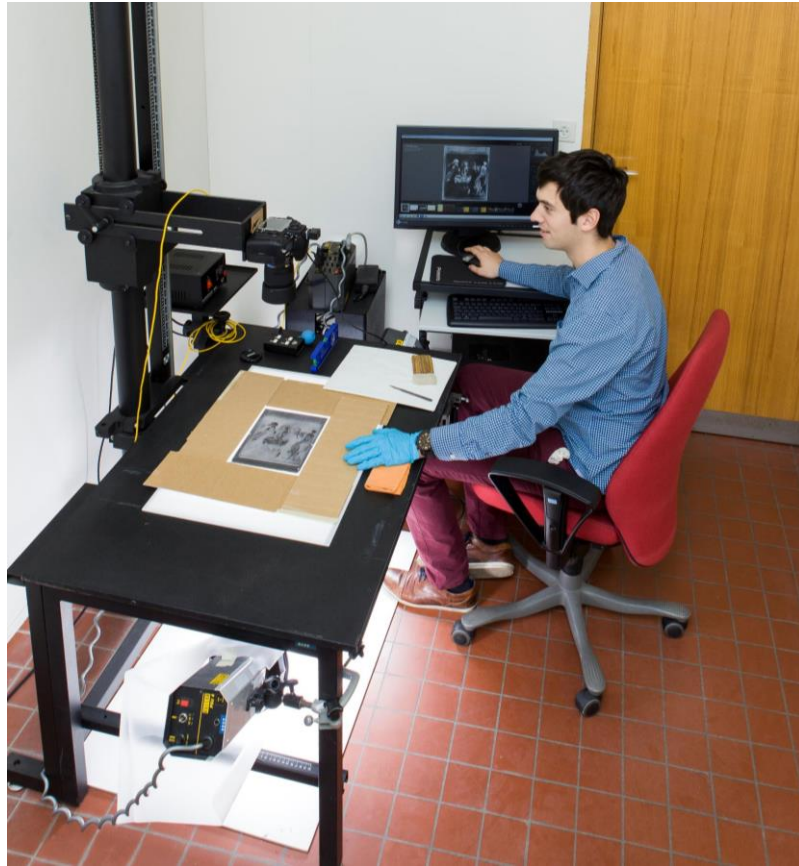
Digitisation at KIK-IRPA: file formats

- RAW
 - Depends on the camera (better safe than sorry)
- Preservation master
 - TIFF (comptability)
- Derivatives
 - IIF (usability)
 - JPEG (usability)



Digitisation at KIK-IRPA: long-term preservation

- Digital information:
 - is perfectly reproducible
 - Is not dependent on a single carrier
- BUT:
 - Risk of corruptibility of the files, e.g. bitrot (=> back-up, ...)
 - Risk of obsolete formats (=> PREFORMA, ...)
- Long-Term Preservation (LTP) and accessibility
 - Belgian Science Policy DIGIT-program (DIGIT4: 2019-2024)
 - EU (HESCIDA, E-RIHS, ...)



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LOW Resolution | VS | HIGH Resolution



g000542.TIF @ 16.7% (RGB/16*) ×



g000542_resto.psd @ 16.7% (Brightness/Contrast 1, Layer Mask/16) ×

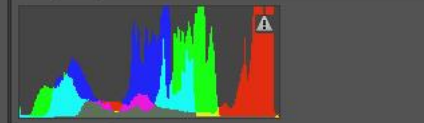


Info

R : G : B : 8-bit
C : M : Y : K : 8-bit
X : Y : W : H :

Doc: 140,7M/140,7M
Click and drag to scroll image in desired direction. Use Alt and Ctrl for additional options

Histogram



Adjustments

Add an adjustment

☰ ☒ ☒ ☒ ☒ ☒ ☒

Properties

No Properties

Layers Channels Paths

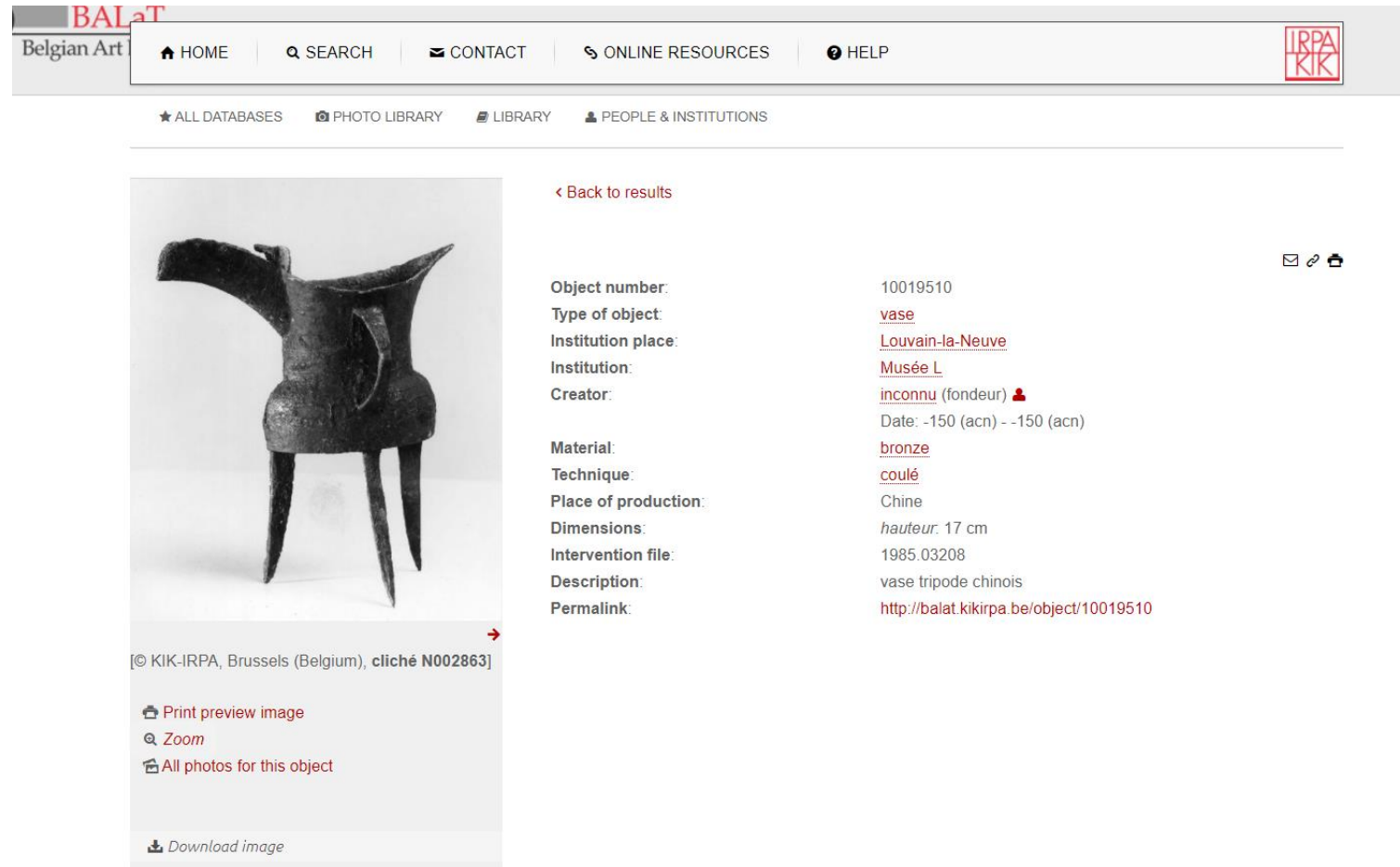
Kind: [icon] [icon] [icon] [icon] [icon] [icon] [icon]

Normal [down] Opacity: 100% [down]


Lock: [lock] [move] [lock] Fill: 100% [down]

[eye] [lock] Background [lock]

Digitisation at KIK-IRPA: BALaT



The screenshot shows the BALaT website interface. At the top, there is a navigation bar with links for HOME, SEARCH, CONTACT, ONLINE RESOURCES, and HELP. Below this, there are additional links for ALL DATABASES, PHOTO LIBRARY, LIBRARY, and PEOPLE & INSTITUTIONS. The main content area features a large image of a bronze vase with three legs. To the right of the image is a metadata table with the following information:

Object number:	10019510
Type of object:	vase
Institution place:	Louvain-la-Neuve
Institution:	Musée L
Creator:	inconnu (fondeur) 
Date:	-150 (acn) - -150 (acn)
Material:	bronze
Technique:	coulé
Place of production:	Chine
Dimensions:	<i>hauteur</i> : 17 cm
Intervention file:	1985.03208
Description:	vase tripode chinois
Permalink:	http://balat.kikirpa.be/object/10019510

Below the image, there is a copyright notice: [© KIK-IRPA, Brussels (Belgium), cliché N002863]. To the right of the image, there are icons for email, print, and share. Below the image, there are links for Print preview image, Zoom, All photos for this object, and Download image.

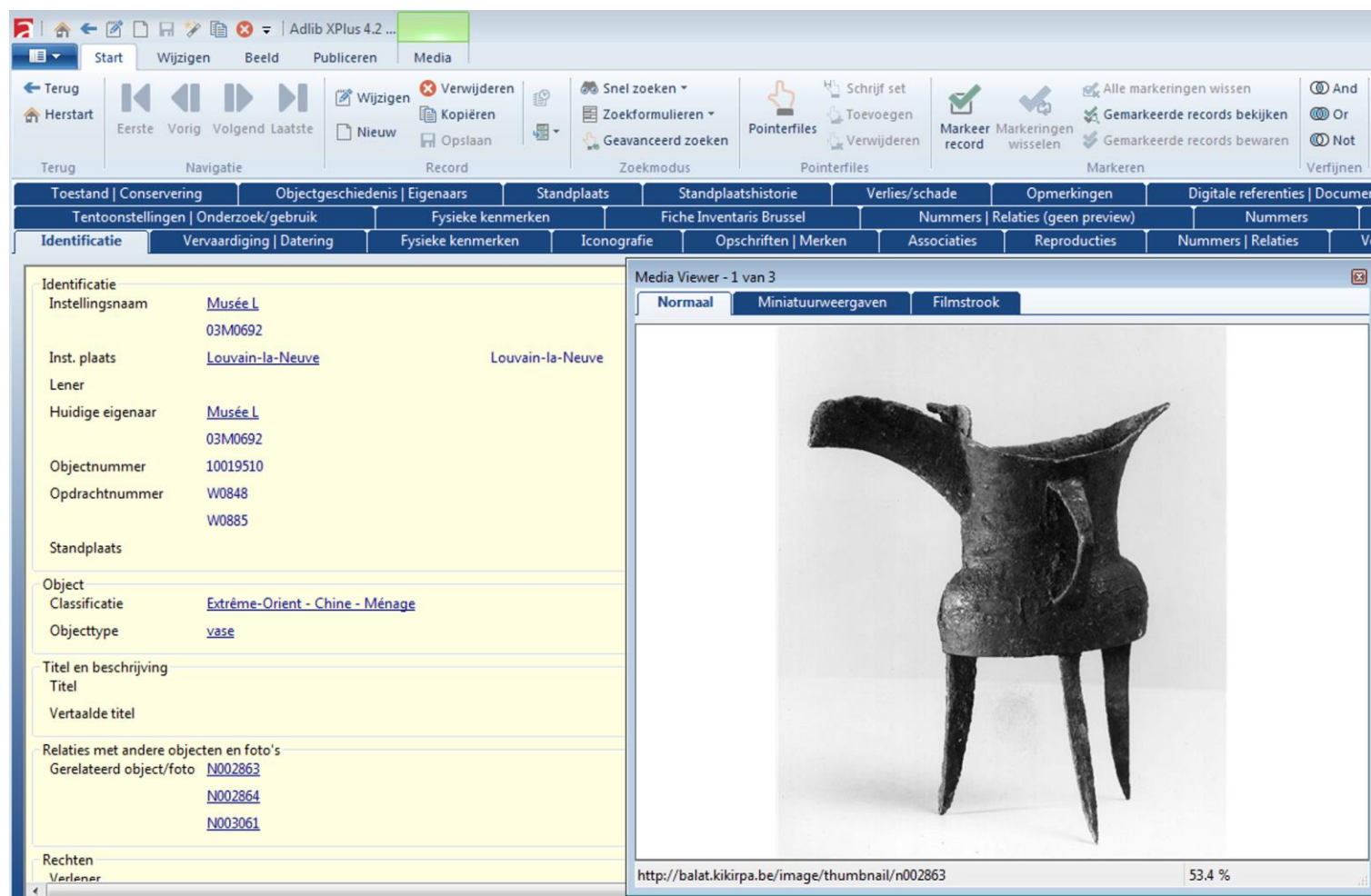


Digitisation at United Archives

- Frank Nikolaus Golomb
- Carsten Pauly



KIK-IRPA's MINT ingestion and AAT mapping



The screenshot displays the KIK-IRPA database interface. The left sidebar shows the following object details:

- Identificatie**
 - Instellingsnaam: [Musée L](#)
 - 03M0692
 - Inst. plaats: [Louvain-la-Neuve](#) Louvain-la-Neuve
 - Lener
 - Huidige eigenaar: [Musée L](#)
 - 03M0692
 - Objectnummer: 10019510
 - Opdrachtnummer: W0848
 - W0885
 - Standplaats
- Object**
 - Classificatie: [Extrême-Orient - Chine - Ménage](#)
 - Objecttype: [vase](#)
- Titel en beschrijving**
 - Titel
 - Vertaalde titel
- Relaties met andere objecten en foto's**
 - Gerelateerd object/foto: [N002863](#)
 - [N002864](#)
 - [N003061](#)
- Rechten**
 - Verlener

The right pane shows a **Media Viewer - 1 van 3** window with a photograph of a dark, three-legged ceramic vessel. The URL at the bottom of the viewer is <http://balat.kikirpa.be/image/thumb/n002863> and the zoom level is 53.4%.



KIK-IRPA's MINT ingestion and AAT mapping

The screenshot shows the Adlib XPlus 4.2 interface. The record number is 10019510. The record is highlighted in yellow. The 'Materialen' section is circled in red, showing 'Onderdeel' and 'Materiaal' with the value 'bronze'.

10019510		vase		inconnu	
Technieken					
Onderdeel	Techniek				
	coulé				
Materialen					
Onderdeel	Materiaal				
	bronze				
Afmetingen					
Onderdeel	Afmeting	Waarde	Eenh	Precisie	
	hauteur	17	cm		
Afmetingen (vrije tekst)					



KIK-IRPA's MINT ingestion and AAT mapping

The screenshot shows the Adlib XPlus 4.2 interface for a thesaurus term. The term is 'bronze'. The interface includes a menu bar with 'Start', 'Wijzigen', 'Beeld', and 'Publiceren'. Below the menu bar are various toolbars for search, media, and settings. The main content area is divided into sections: 'Thesaurusterm', 'Beheergegevens', and 'Fototheekgegevens'. The 'Thesaurusterm' section displays the following information:

Term	bronze
Soort term	materiaal onderwerp
Term code	fr
Status	descriptor
Relaties	
Use	
Used for	
Broader Term	métal
Narrower Term	
Related Term	
Equivalent Term	brons
Bron en definitie	
Bron	AAT Nummer 300010957 GrTh
Scope Note	Alliage de cuivre et d'étain. Wikipedia, 16/10/2013 : Les bronzes sont normalement composés de plus de 60 % de cuivre et d'une proportion variable, non seul mais aussi d'aluminium, de plomb, de béryllium, de manganèse et de tungstène, ainsi qu'accessoirement phosphore, mais pas de zinc en quantité notable (ne pas confondre avec le laiton, dont le terme anglais bi traduit par bronze) (GrTh).

The 'Bron en definitie' section is circled in red. The 'Bron' row shows the AAT mapping 'AAT Nummer 300010957' and the GrTh identifier 'GrTh'. The 'Scope Note' section provides a definition in French and a Wikipedia reference.

Link overzicht

- COLLECT (8264)
- CONSERVA (1)
- document (16)



KIK-IRPA's MINT ingestion and AAT mapping

```
<tnes_material_source>AAI</tnes_material_source>
<Material>
  <material linkdb="//adlib2\adlib2\data+thesau" linkfield=
    linkref="80722" linkreffield="material.lref">
    <term>bronze</term>
    <term.number>300010957</term.number>
    <source>AAI</source>
  </material>
</Material>
```

```
</lido:eventMethod>
<lido:eventMaterialsTech>
  <lido:materialsTech>
    <lido:termMaterialsTech lido:type="material">
      <lido:conceptID lido:type="URI">http://vocab.gettr.edu/aat/300010957</lido:conceptID>
      <lido:term lido:addedSearchTerm="no">bronze</lido:term>
    </lido:termMaterialsTech>
  </lido:materialsTech>
</lido:eventMaterialsTech>
```



KIK-IRPA's MINT ingestion and AAT mapping

Up to lido:materialsTech

lido:termMaterialsTech

if *Material*

lido:conceptID

if {
AND {
source is equal to AAT
term.number does not start with 9
http://vocab.getty.edu/aat/
term.number}

lido:term

if *term*

The screenshot shows a hierarchical SPARQL query editor interface. At the top, it indicates the current path is 'Up to lido:materialsTech'. Below this, there are three main query blocks. The first block is for 'lido:termMaterialsTech' with a sub-condition 'if Material'. The second block is for 'lido:conceptID' and contains a complex 'if' condition: an 'AND' clause with three sub-conditions: 'source is equal to AAT', 'term.number does not start with 9', and 'http://vocab.getty.edu/aat/'. Below this is another 'if' condition for 'term.number'. The third block is for 'lido:term' with a sub-condition 'if term'. Each block has control icons for adding, removing, and toggling visibility.


KIK-IRPA's MINT ingestion and AAT mapping


XML is valid based on EDM

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <rdf:RDF xmlns:ore="http://www.openarchives.org/ore/terms/"
3   xmlns:owl="http://www.w3.org/2002/07/owl#"
4   xmlns:rdaGr2="http://rdvocab.info/ElementsGr2/"
5   xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
6   xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
7   xmlns:crm="http://www.cidoc-crm.org/rdfs/cidoc_crm_v5.0.2_english_label.rdfs#"
8   xmlns:skos="http://www.w3.org/2004/02/skos/core#"
9   xmlns:dc="http://purl.org/dc/elements/1.1/"
10  xmlns:wgs84="http://www.w3.org/2003/01/geo/wgs84_pos#"
11  xmlns:dcterms="http://purl.org/dc/terms/"
12  xmlns:xalan="http://xml.apache.org/xalan"
13  xmlns:edm="http://www.europeana.eu/schemas/edm/"
14  xmlns:foaf="http://xmlns.com/foaf/0.1/">
15 <edm:ProvidedCHO rdf:about="http://mint-projects.image.ntua.gr/photography/ProvidedCHO/Royal Institute for Cultural He
16 <dc:creator xml:lang="fr">inconnu (fondeur)</dc:creator>
17 <dc:creator xml:lang="fr">inconnu</dc:creator>
18 <dc:description xml:lang="fr">Inst./Coll.: Musée L (Louvain-la-Neuve) </dc:description>
19 <dc:description xml:lang="fr">vase tripode chinois </dc:description>
20 <dc:format xml:lang="fr">coulé</dc:format>
21 <dc:identifiant>KIK-IRPA n° 10019510</dc:identifiant>
22 <dc:identifiant>Pa1_10178269</dc:identifiant>
23 <dc:title xml:lang="fr">vase</dc:title>
24 <dc:type rdf:resource="http://vocab.getty.edu/aat/300132254"/>
25 <dc:type xml:lang="en">Photography</dc:type>
26 <dc:type xml:lang="fr">vase</dc:type>
27 <dc:type xml:lang="fr">Extrême-Orient - Chine - Ménage</dc:type>
28 <dcterms:created xml:lang="fr">-150</dcterms:created>
29 <dcterms:extent xml:lang="fr">hauteur: 17 cm</dcterms:extent>
30 <dcterms:medium rdf:resource="http://vocab.getty.edu/aat/300010957"/>
31 <dcterms:medium xml:lang="fr">bronze</dcterms:medium>
32 <dcterms:spatial xml:lang="fr">Chine</dcterms:spatial>
33 <edm:type>IMAGE</edm:type>
34 </edm:ProvidedCHO>
35 <ore:Aggregation rdf:about="http://mint-projects.image.ntua.gr/photography/Aggregation/Royal Institute for Cultural He
36 <edm:aggregatedCHO rdf:resource="http://mint-projects.image.ntua.gr/photography/ProvidedCHO/Royal Institute for Cul
37 <edm:dataProvider>Royal Institute for Cultural Heritage (KIK-IRPA) (Brussels, Belgium)</edm:dataProvider>
38 <edm:hasView rdf:resource="http://balat.kikirpa.be/image/N002864"/>
39 <edm:hasView rdf:resource="http://balat.kikirpa.be/image/N003061"/>
40 <edm:isShownAt rdf:resource="http://balat.kikirpa.be/object/10019510"/>
41 <edm:isShownBy rdf:resource="http://balat.kikirpa.be/image/N002863"/>
42 <edm:object rdf:resource="http://balat.kikirpa.be/image/N002863/small"/>
43 <edm:provider>Photoconsortium</edm:provider>
44 <edm:rights rdf:resource="http://creativecommons.org/licenses/by-sa/4.0/">
45 </ore:Aggregation>
46 </rdf:RDF>
```


KIK-IRPA's MINT ingestion and AAT mapping


EDM Europeana [Show all](#)




 Attribution-ShareAlike

View item at [Royal Institute for Cultural Heritage \(KIK-IRPA\) \(Brussels, Belgium\)](#)

 Share

 Cite on Wikipedia

 Translate details

vase

Description: Inst./Coll.: Musée L (Louvain-la-Neuve)

Creator: inconnu (fondeur) inconnu

Place: Chine

Date: -150

Type: <http://vocab.getty.edu/aat/300132254>
Photography vase Extrême-Orient - Chine - Ménage

Format: coulé
<http://vocab.getty.edu/aat/300010957> bronze
hauteur: 17 cm

Identifier: KIK-IRPA n° 10019510 Pa1_10178269

isShownAt: <http://balat.kikirpa.be/object/10019510>

isShownBy: <http://balat.kikirpa.be/image/N002863>

EDM Object: <http://balat.kikirpa.be/image/N002863/small>

Data provider: Royal Institute for Cultural Heritage (KIK-IRPA) (Brussels, Belgium)

Provider: Photoconsortium

Search also for:

Title
vase

Who
inconnu (fondeur)
inconnu

What
Photography
vase
Extrême-Orient - Chine - Ménage
coulé

Provider
Royal Institute for Cultural Heritage (KIK-IRPA) (Brussels, Belgium)
Photoconsortium

KIK-IRPA's simple IIIF

★ ALL DATABASES PHOTO LIBRARY LIBRARY PEOPLE & INSTITUTIONS



© KIK-IRPA, Brussels (Belgium), cliché X017646

Object number: 10152081

Type of object: [gourde\[bidon\]](#)

Inventory number: 385

Institution place: [Marcinelle](#)

Institution: [Musée du Verre\[Charleroi\]](#)

Creator: [inconnu \(verrier\)](#)

Date: 1701 - 1900

Material: [verre](#)

Technique: [soufflé\[verre\]](#), [peint](#)

Place of production: Chine

Dimensions: *hauteur*: 19.5 cm
largeur: 12.5 cm

Intervention file: 2008.09789

Description: Bouchon en verre bleu transparent

Permalink: <http://balat.kikirpa.be/object/10152081>

Iconography

People Subject

Person: [homme](#)



Raindrops on roses
And whiskers on kittens
Bright copper kettles
And Bernie in mittens



Thanks for your attention

Activity 3

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