



ATHENA

Access to cultural heritage
networks across Europe

eContentplus

Introduction to LIDO ATHENA Training Workshop

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Berlin, 21-22 January 2010





Background

Why a harvesting format?

- Increasing relevance of internet presence for museums and other collections
- Increasing necessity to integrate your data into union catalogues and portals: facilitate resource discovery in a cross-collection and even cross-sectoral (archives, libraries, museums) manner
- Need for a convenient instrument to provide core data on museum objects
 - from different collections / object classes
 - from different data structures
 - from different software systems



Background

Data Formats as XML Schema



- `cdwalite-xsd-public-v1-1.xsd`



- `museumdat-v1.0.xsd`



- `spectrum-3.1.xsd`



Background

CDWA and CDWA Lite:

Categories for the Description of Works of Art

- CDWA describes the content of art databases by articulating a conceptual framework for describing and accessing information about works of art, architecture, other material culture, groups and collections of works, and related images. It includes 532 categories and subcategories.
- CDWA Lite is an XML schema to describe core records for works of art and material culture based on CDWA and CCO. CDWA Lite records are intended for contribution to union catalogs and other repositories using the Open Archives Initiative (OAI) harvesting protocol.



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CDWA Lite

1. Object/Work Type

2. Title

3. Display Creator

4. Indexing Creator

5. Display Measurements

6. Indexing Measurements

7. Display Materials/Techniques

8. Indexing Materials/Technique

9. Display State/Edition

10. Style

11. Culture

12. Display Creation Date

13. Indexing Dates

14. Location / Repository

15. Indexing Subject

16. Classification

17. Description / Descriptive Note

18. Inscriptions

19. Related Works

20. Rights for Work

21. Record

22. Resources



Background

From CDWA Lite to museumdat:

- CDWA Lite is very much focused on fine arts: its starting point was eventually delivering metadata from an art collection (the Getty museum) to a digital library on art (ARTstor)
- Need of a format that covers object data of manifold provenance such as history of technology and ...



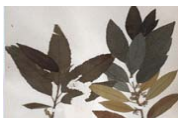
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Zoological Museums



Archaeological Museums



Botanical Gardens



Computer Collections



**Geological and Mineralogical
Museums**



**Medical and Pharmaceutical
Collections**



Museums of Cultural History



Museums of Fire Fighting



Theatre History Collections



Art Museums



Background

From CDWA Lite to museumdat :

- CDWA Lite is very much focused on north american data standards:
 - CDWA as data structure standard
 - AAT, TGN, ULAN as data value standards
 - CCO as data content standard
- Need of generalizing the scope for further standards and other languages



Background

museumdat

developed by the Working Group of Data exchange, German Museum Association:

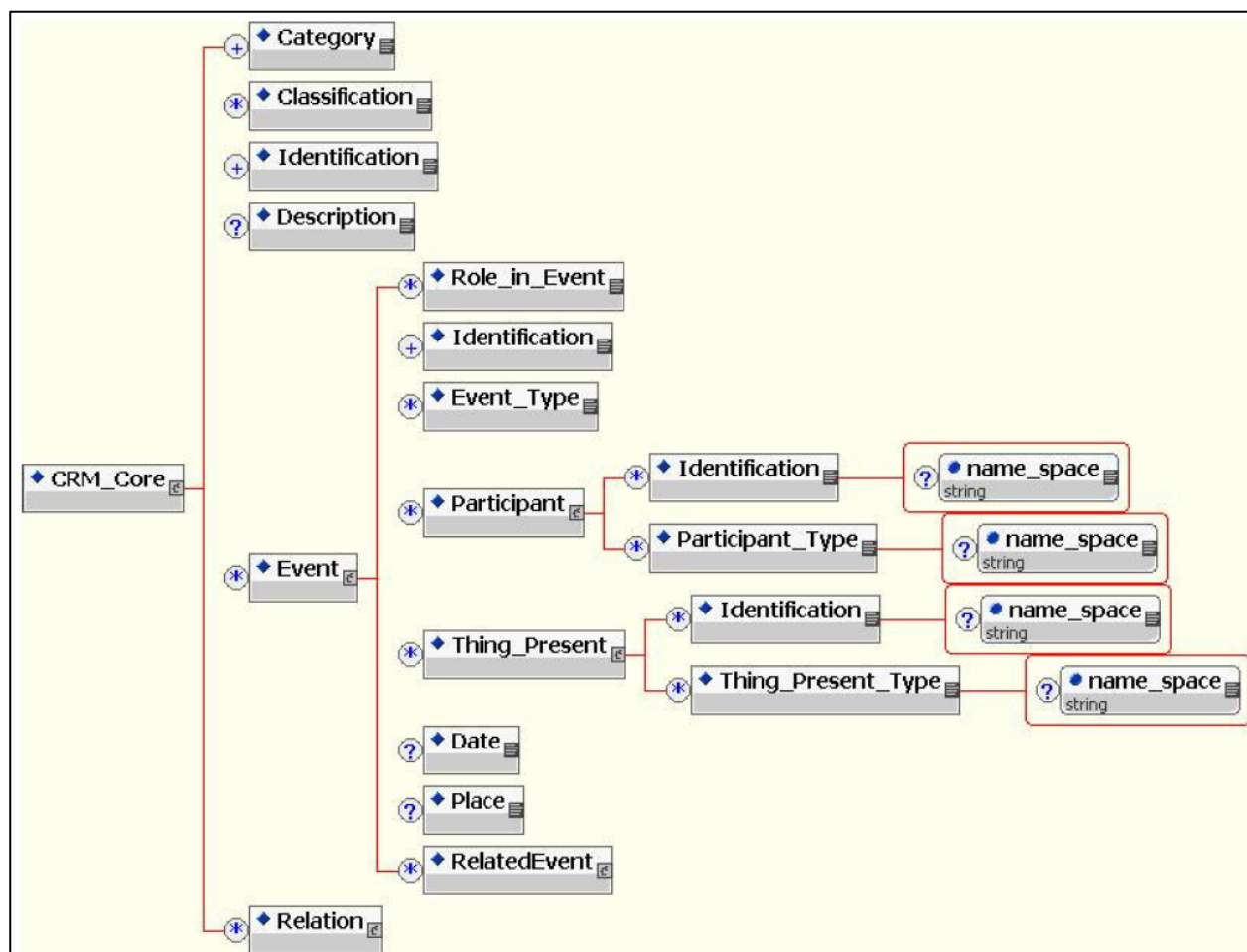
- Event-oriented approach of CIDOC-CRM allows for generalizing the format for use with various object data
- CIDOC-CRM as ISO standard (ISO 21127) is the reference model – a standard metadata format should be CRM compliant
- museumdat is a reconfiguration of CDWA Lite based on CIDOC-CRM analysis



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Background

CRM Core





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museumDAT

museumdat: Harvesting Format for Providing Core Data from Museum Holdings

Object Classification

I.1. Object/Work Type

I.2. Classification

Identification

II.1. Title or Object Name

II.2. Inscriptions and other Marks

II.3. Custody/Repository Location

Description

III.1. Display Creator

III.2. Display Creation Date

III.3. Display Creation Location

III.4. Display Measurements

III.5. Display Materials/Technique

III.6. Display State/Edition

III.7. Display Event

III.8. Description/Descriptive Note

Event

IV.1. Indexing Event

Event Type

e.g. creation, use, discovery...

Indexing Actor

Indexing Date

Indexing Location

IV.2. Indexing Measurements

IV.3. Indexing Material/Technique

IV.4. Style

IV.5. Culture

Relation

V.1. Indexing Subject

V.2. Related Works

Administration

VI.1. Rights for Work

VI.2. Record

VI.3. Resource



Background

SPECTRUM and SPECTRUM XML Schema

- SPECTRUM is the UK and international standard for Collections Management. It consists of two main sections:
 - Procedures
 - Information requirements
- SPECTRUM XML Schema provides a standard format for exchanging object records between different collections management systems.
- Its objective is the whole world of documenting museum collections management.



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Background

Data Formats as XML Schema



- cdwalite-xsd-public-v1-1.xsd



- museumdat-v1.0.xsd



- spectrum-3.1.xsd

LIDO – Lightweight Information Describing Objects



Background

LIDO: Joint effort of the CDWA Lite, museumdat, and SPECTRUM communities, initiated by ATHENA project:

- Experiences and feedback after a two-year period of practical implementation and use of CDWA Lite and museumdat
- Recommendations / results of the CDWA Lite/museumdat Working Group
- Further CIDOC-CRM analysis
- Requirements of SPECTRUM



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Background

LIDO Contributors

- J. Paul Getty Trust, ArtSTOR
- German Museum Association / SIG Documentation
digiCULT Schleswig-Holstein, d:kult Düsseldorf, German
Documentation Center for Art History Bildarchiv Foto Marburg, Institute
for Museum Research Berlin, Libraries Service Center Konstanz,
Landesmuseum für Technik u. Arbeit Mannheim, Schloss Gottorf,
University of Applied Science Leipzig, Zuse-Institute Berlin
- Collections Trust
- and many more people giving feedback!



Purpose

LIDO – what it is and what it is not:

It is:

- A harvesting format for providing core data from museum holdings
- Technically specified in an XML Schema

It is NOT:

- A fully developed data exchange format
- A format designed for proper cataloging



Purpose

Construction principles of LIDO:

- Provide a specification and related XML schema that describes cultural materials appropriately, that is in a meaningful and comprehensive manner
- Allow for contributing data and images relating to your objects to union catalogues
- Deliver the information in a „self-comprehensible“ way, that is a record includes all the necessary information for display and retrieval of your object (core, but good descriptive metadata!)



Purpose

Construction principles of LIDO cont.:

- Individual data providers can decide on how light – or how rich – they want their contributed metadata records to be
- Include links from contributed metadata back to records in their 'home' context
- Provide optimised metadata for retrieval on one hand and for display on the other -> distinction of display and indexing elements
- Provide references to controlled vocabulary

LIDO: references to controlled vocabulary



- Gothic art
- Gotik
- Trecento
- Gotische Kunst
- Gotik/Gotisk

```
<skos:Concept rdf:about=" http://digicult.vocnet.org/style/601.46">
  <skos:prefLabel xml:lang="en">Gothic art</skos:prefLabel>
  <skos:prefLabel xml:lang="de">Gotik</skos:prefLabel>
  <skos:altLabel xml:lang="da">Gotik/Gotisk</skos:altLabel>
  <skos:altLabel xml:lang="de">Trecento</skos:altLabel>
  <skos:altLabel xml:lang="de">Gotische Kunst</skos:altLabel>
  <skos:broader rdf:resource=" http://digicult.vocnet.org/style/601.45"/>
</skos:Concept>
```

SKOS RDF
over Webservice

Using Webservice / REST / SRU:
<http://digicult.vocnet.org/style/601.46>

[or lexical value „Gothic“ in the
concept scheme „Style“]

Portal
metadata
enrichment

LIDO-XML

```
...
<lido:classification type="Style">
  <lido:conceptID lido:type="URL">http://digicult.vocnet.org/style/601.46</lido:conceptID>
  <lido:term xml:lang="de">Gotik</lido:term>
</lido:classification>
...
```

Structure

Descriptive and administrative elements of a LIDO record

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

Rights

Record (*mandatory*)

Resource

Structure

Mandatory elements

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

Rights

Record (*mandatory*)

Resource



Structure

Full support of multilinguality

- xml:lang mandatory for default language on high-level elements descriptiveMetadata and administrativeMetadata

Two possibilities to provide multi-lingual entries:

- Repeat the high-level elements with different xml:lang attributes for fully multi-lingual resources

or

- Repeat text-level elements with different xml:lang attributes for providing translations only for just a few elements



Structure

Full support of multilinguality - Example

```
<lido:lido>
  <lido:lidoRecID lido:type="local">1300_MFV 1893-237</lido:lidoRecID>
  <lido:category lido:source="CIDOC-CRM v5.0.1">E22.Man-Made_Object</lido:category>
  <lido:descriptiveMetadata xml:lang="de">
    <lido:objectClassificationWrap>...</lido:objectClassificationWrap>
    <lido:objectIdentificationWrap>...</lido:objectIdentificationWrap>
    <lido:eventWrap>
      <lido:eventSet>
        <lido:event>
          <lido:eventType>
            <lido:term>Production</lido:term>
          </lido:eventType>
          ...
          <lido:eventMaterialsTech>
            <lido:materialsTech>
              <lido:termMaterialsTech lido:type="Material">
                <lido:term>Ton</lido:term>
                <lido:term xml:lang="en">clay</lido:term>
              </lido:termMaterialsTech>
            </lido:materialsTech>
          </lido:eventMaterialsTech>
        </lido:event>
      </lido:eventSet>
    </lido:eventWrap>
  </lido:descriptiveMetadata>
  <lido:administrativeMetadata xml:lang="de">...</lido:administrativeMetadata>
</lido:lido>
```

xml:lang on high-level
element descriptiveMetadata

Material
Ton@de
clay@en



Structure

Display and Index elements – basic structure:

xxxWrap (0-1)

xxxSet (0-unbounded)

displayXXX (0-unbounded) (for language variants only)

XXX (0-1)

e.g.

objectMeasurementsWrap

objectMeasurementsSet

displayObjectMeasurements

objectMeasurements

```
objectMeasurementsSet
displayObjectMeasurements: 44,3 x 35,4 cm (Blatt); 10 Bildfelder
objectMeasurements
measurementsSet: (value: 44,3) (unit: cm) (type: Höhe)
measurementsSet: (value: 35,4) (unit: cm) (type: Breite)
extentMeasurements: Blatt
```

Structure

Classifications

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

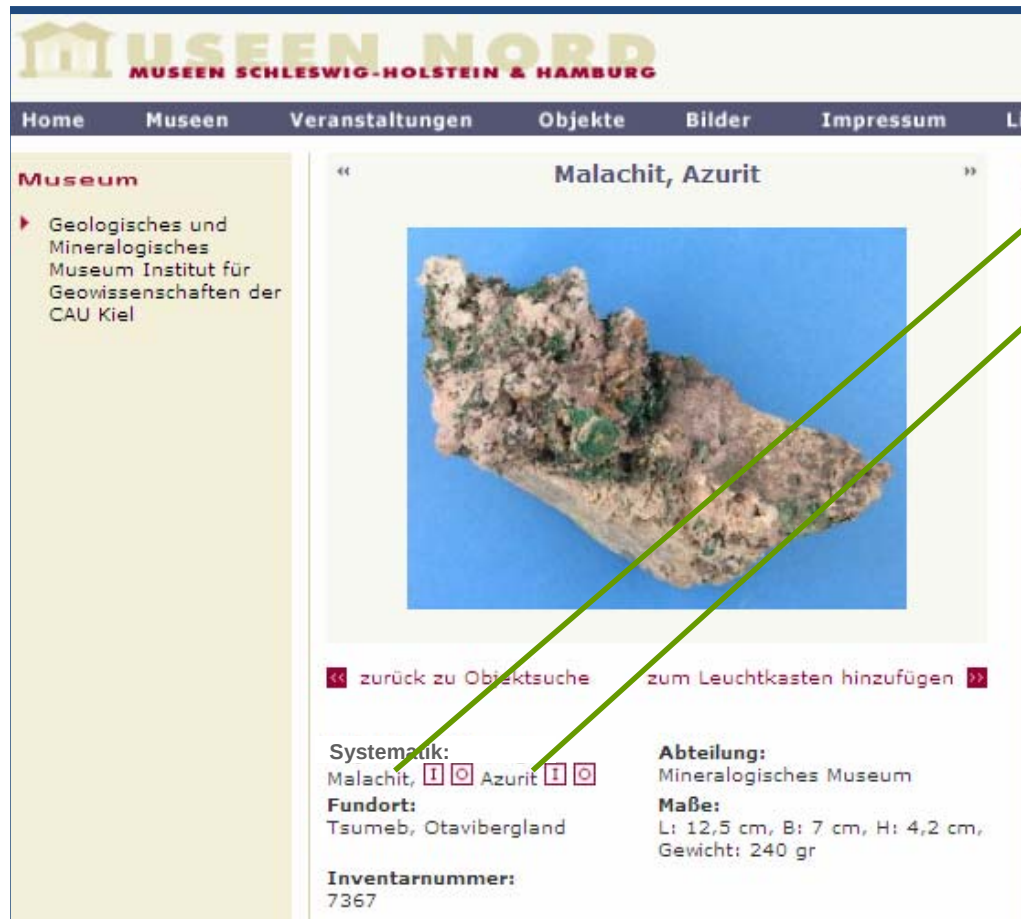
Rights

Record (*mandatory*)

Resource



Object Classifications



objectWorkType: **Mineral**

classification: **Malachit**

label: Mineral systematic

classification: **Azurit**

label: Mineral systematic

Structure

Identifications

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

Rights

Record (*mandatory*)

Resource



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networks across Europe

Structure

Object Identification

The screenshot shows the website of MUSEEN NORD, which includes museums in Schleswig-Holstein and Hamburg. The main content area displays the painting 'Hohe Wogen' by Emil Nolde. To the left, there are sections for 'Copyright' (Stiftung Seebüll Ada und Emil Nolde) and 'Museum' (Museumsberg Flensburg Städtische Museen und Sammlungen für den Landesteil Schleswig). Below the painting, there are navigation links: '<< Back to item search' and 'Add to light box >>'. The metadata section includes:

- Artist:** Emil Nolde
- Object designation:** Gemälde
- Subject group:** Malerei
- Material:** Öl auf Leinwand
- Measures:** H: 67 cm, B: 87 cm
- Object history:** Wie alle reinen Meeresbilder geht auch dieses Bild Emil Noldes auf eine Sturmfahrt vor der Insel Anholt zurück, an die der Maler sich sein Leben lang erinnerte. Über dem wogenden, düsteren Meer des Wogenes entfalten sich die schwebenden, grauweißen Wolken.
- Title:** Hohe Wogen
- Dating:** 1900
- Iconography:** Natur
- Style:** Expressionismus
- Signature:** bezeichnet (u. r.: Nolde)

objectWorkType: **Gemälde**

title: **„Hohe Wogen“**

pref: preferred

objectDescriptionSet

type: **Object history**

descriptiveNote: **„Wie alle reinen
Meeresbilder ...“**

objectMeasurementsSet

displayObjectMeasurements: **H: 67 cm, B: 87 cm**

objectMeasurements

measurementsSet

unit: **cm**

type: **height**

value: **67**

measurementsSet

unit: **cm**

type: **width**

value: **87**



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networks across Europe

Structure

Object Identification

MUSEEN NORD
MUSEEN SCHLESWIG-HOLSTEIN & HAMBURG

Home Museums Events Items Pictures Contact Links

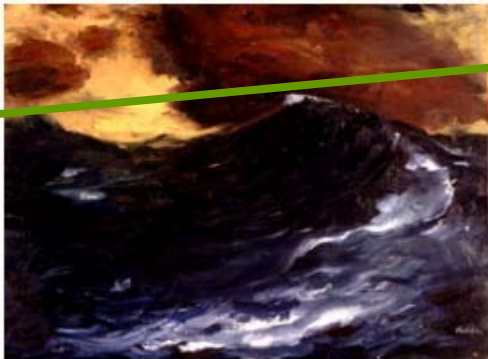
Copyright

- Stiftung Seebüll Ada und Emil Nolde

Museum

- Museumsberg Flensburg Städtische Museen und Sammlungen für den Landesteil Schleswig

Emil Nolde: Hohe Wogen



« Back to item search Add to light box »

Artist: Emil Nolde  

Object designation: Gemälde

Subject group: Malerei

Material: Öl auf Leinwand

Measures: H: 67 cm, B: 87 cm

Title: Hohe Wogen

Dating: 1940

Iconography: Natur

Style: Expressionismus  

Signature: bezeichnet (u. r.: Nolde)

Object history
Wie alle reinen Meeresbilder geht auch dieses Bild Emil Noldes auf eine Sturmfahrt vor der Insel Anholt zurück, an die der Maler sich sein Leben lang erinnerte. Über dem wogenden, düsteren Meer des Wogenes entfalten sich die schwebenden, grauweißen Wolken.

objectWorkType: **Gemälde**

repository

repositoryType: **current**

repositoryName: **Museumsberg Flensburg**

workID: **23214**

type: **Inventarnummer**

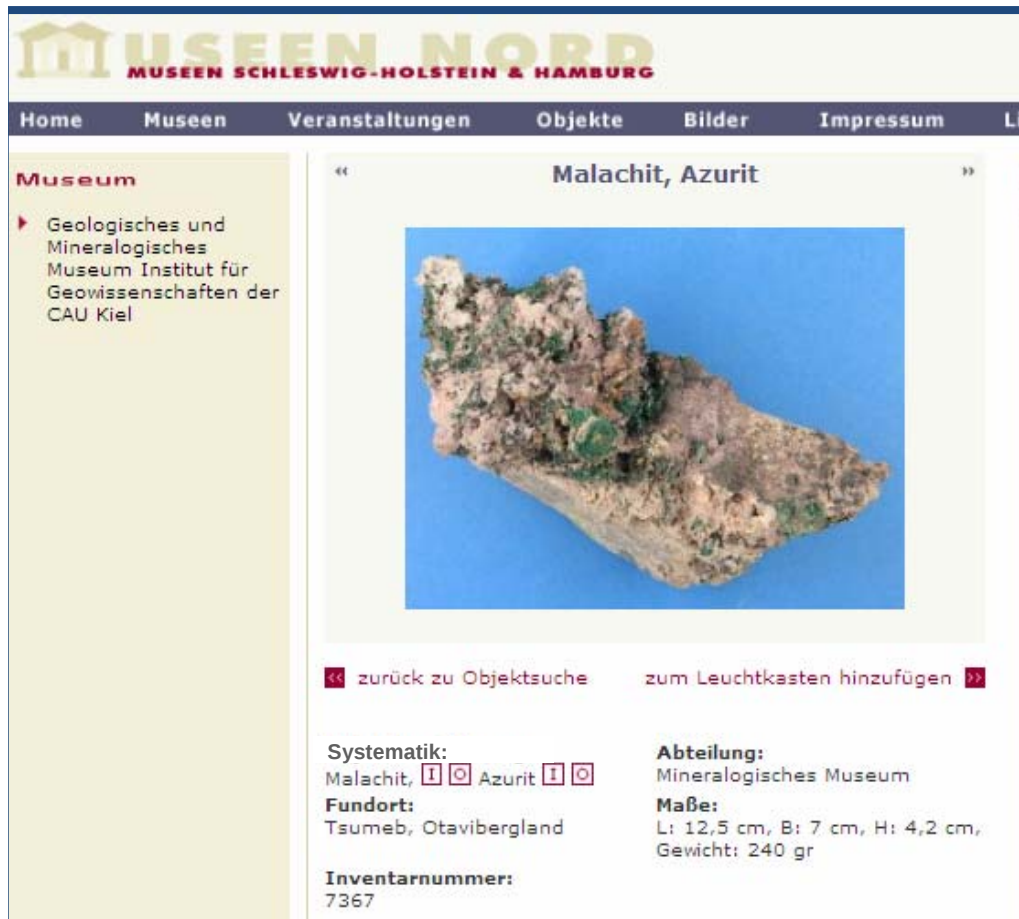
repositoryLocation: **House 1, Room Nr. 5**

exact Location

Designation and
unambiguous
identification of the
institution of custody



Object Identification



objectWorkType: **Mineral**

classification: **Malachit**

label: Mineral systematic

classification: **Azurit**

label: Mineral systematic

title: **Mineral**

type: **object name**

mandatory

No artist? No creation date? No finding place?

Museum objects may relate to any actor, date, or place in two ways:

- The object was present at an event (such as creation, find, use, ...)
 - having participants / carried out by some actors
 - at some time
 - in some place

or

- The object refers to such entity by
 - depicting it
 - „being about“



CIDOC-CRM / ISO 21127 in less than a nutshell...

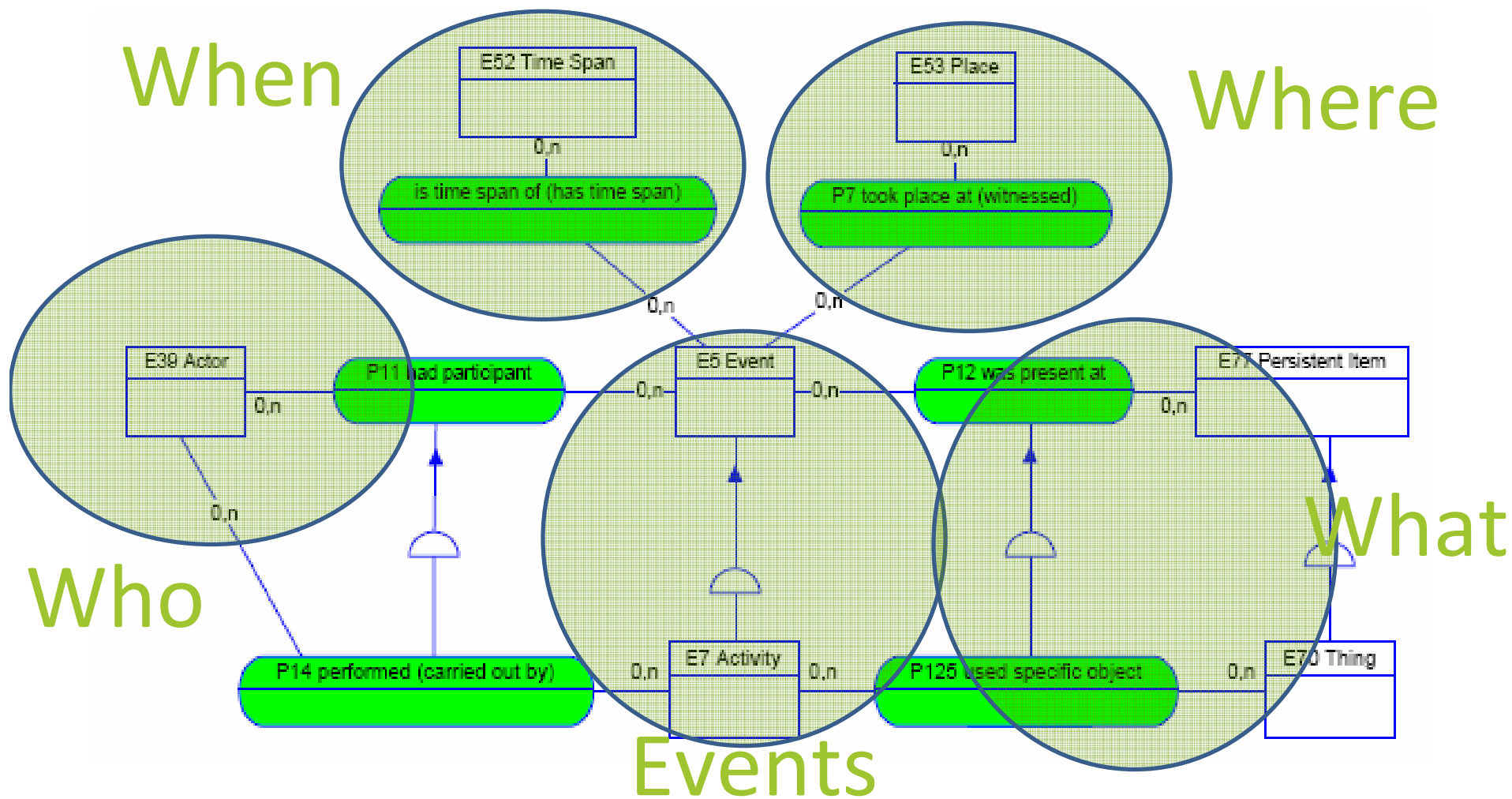
- Developed within CIDOC, Documentation Committee of the International Council of Museums (ICOM)
- Is a formal domain ontology for cultural heritage information:
 - Describes the things that the cultural heritage sector deals with and how these things relate to each other
 - Expressed as an “object-oriented” schema
- Establishes a conceptual basis for integration and access to cultural heritage information: „semantic glue“



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LIDO – Lightweight Information Describing Objects

CIDOC-CRM



Structure

Events

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

Rights

Record (*mandatory*)

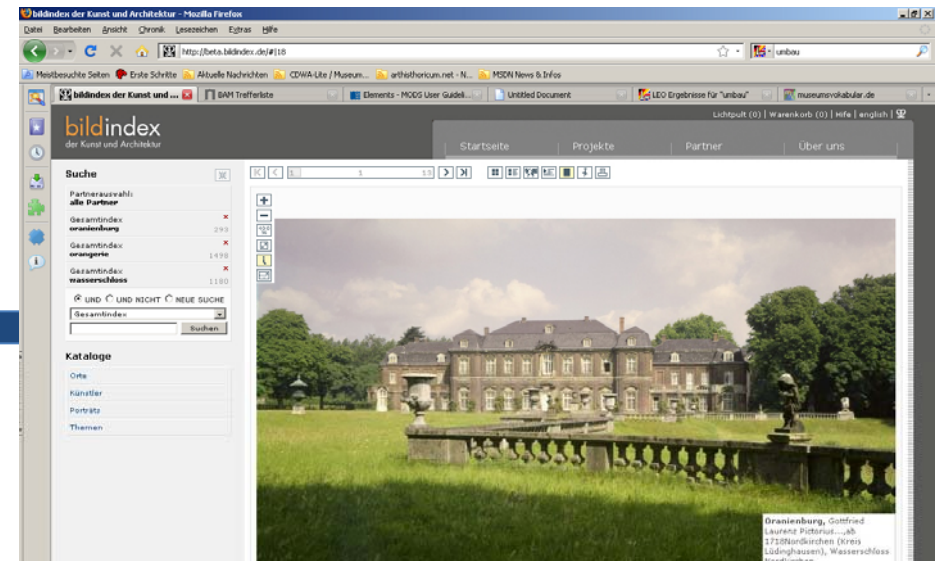
Resource



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Event

- Event Identifier
- Event Type
- Role in Event
- Event Name
- Event Actor
- Culture
- Event Date
- Event Place
- Event Method
- Materials / Technique
- Thing Present
- Event Related
- Event Description



objectWorkType: **Orangerie**
title: **Oranienburg, Orangerie**

event

eventType **Creation**

eventActor

displayActorInRole **Gottfried Laurenz Pictorius**
actorInRole

actor

nameActor **Pictorius, Gottfried Laurenz**

roleActor **Architect**

eventDate

displayDate **ab 1718**

date

earliestDate **1718**

latestDate **1725**

eventPlace

place

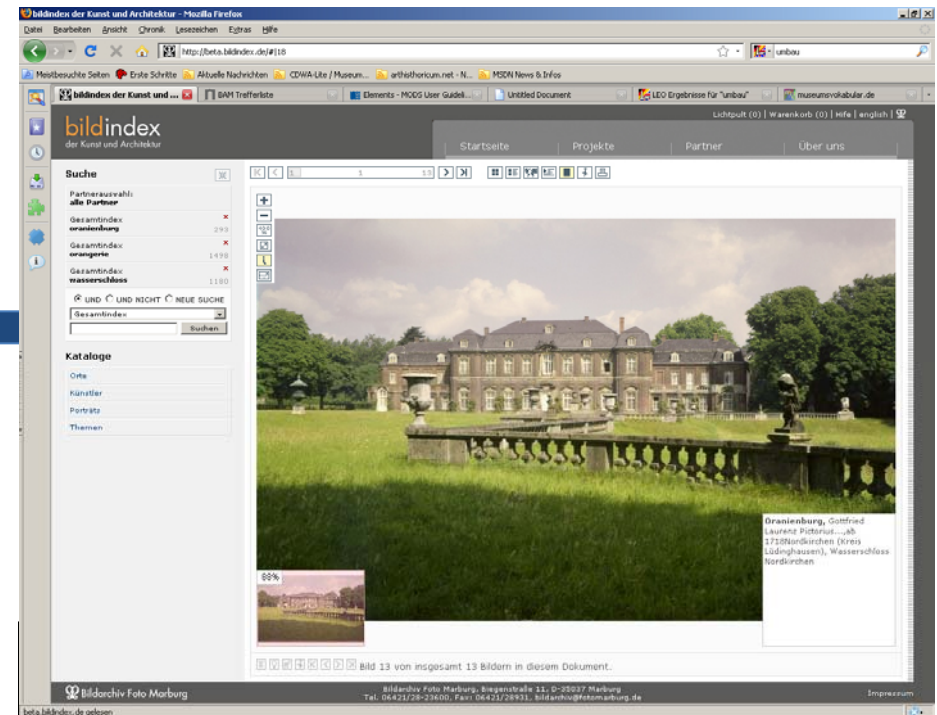
namePlace **Nordkirchen (Kreis Lüdinhhausen)**



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Event

- Event Identifier
- Event Type
- Role in Event
- Event Name
- Event Actor
- Culture
- Event Date
- Event Place
- Event Method
- Materials / Technique
- Thing Present
- Event Related
- Event Description



event

eventType **Modification**

eventActor

displayActorInRole **Johann Conrad Schlaun**
actorInRole

actor

nameActor **Schlaun, Johann Conrad**
roleActor **Architekt**

eventDate

earliestDate **1725**
latestDate **1733**

eventPlace

place

namePlace **Nordkirchen (Kreis Lüdinghausen)**



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LIDO – Lightweight Information Describing Objects

Structure

Event

MUSEEN NORD
MUSEEN SCHLESWIG-HOLSTEIN & HAMBURG

Home Museen Veranstaltungen Objekte Bilder Impressum Lin

Museum

- Archäologisches Museum Hamburg | Helms-Museum Stiftung Historische Museen Hamburg

Kragenflasche



<< zurück zu Objektsuche zum Leuchtkasten hinzufügen >>

Objektbezeichnung:
Kragenflasche

Datierungs Epochen:
Neolithikum

Fundort:
HH-Ohlsdorf

Technik:
aufgebaut, gebrannt, geritzt

Datierung:
-4000 - -2800

Kulturgruppen:
Trichterbecherkultur

Material:
Ton

Maße:
H: 13 cm, D: 9,6 cm, Gewicht:

objectWorkType: **Kragenflasche**

event

eventType **Production**

culture **Trichterbecherkultur**

eventDate

earliestDate **-4000**

latestDate **-2800**

periodName **Neolithikum**

eventMaterialsTech

materialsTech

termMaterialsTech **Ton**



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LIDO – Lightweight Information Describing Objects

Structure

Event

MUSEEN NORD
MUSEEN SCHLESWIG-HOLSTEIN & HAMBURG

Home Museen Veranstaltungen Objekte Bilder Impressum Lin

Museum

- Archäologisches Museum Hamburg | Helms-Museum Stiftung Historische Museen Hamburg

Kragenflasche



<< zurück zu Objektsuche zum Leuchtkasten hinzufügen >>

Objektbezeichnung: Kragenflasche
Datierungs Epochen: Neolithikum
Fundort: HH-Ohlsdorf
Technik: aufgebaut, gebrannt, geritzt

Datierung: -4000 - -2800
Kulturgruppen: Trichterbecherkultur
Material: Ton
Maße: H: 13 cm, D: 9,6 cm, Gewicht:

objectWorkType: **Kragenflasche**

event

eventType **Find**

eventPlace

place

namePlace **HH-Ohlsdorf**

partOfPlace

namePlace **Hamburg**



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bildindex
der Kunst und Architektur

Startseite | Pr

Suche

Gesamtindex
archaeologisches museum 44

Link zur Treffermenge

☒ Neue Suche ☐ Suche verfeinern

Gesamtindex

Suchen

▼ Westgiebel, Brauträubergruppe

Olympia, Fundort: Olympia, 470ante/460an
Gruppe, Giebelskulptur
Marmor
Olympia, Archäologisches Museum
Herkunftsort: Olympia, Tempel, Zeustempel
graphie (Iconclass)

92 L 71 41 11 * der Kentaure Euryt

Foto Marbur
Aufnahme-
Aufn.-Datum

Foto Marbur
Aufnahme-
Aufn.-Datum

objectWorkType: **Giebelskulptur**
title: **Brauträubergruppe (H, I), Fragment**

repositorySet
repositoryName **Archäologisches Museum**
repositoryLocation
namePlace **Olympia**

event
eventType **creation**
eventDate
earliestDate **-470**
latestDate **-460**
eventPlace
displayPlace **Olympia, Zeustempel, Westgiebel**
place
namePlace **Zeustempel, Westgiebel**
partOfPlace
namePlace **Zeustempel**
partOfPlace
namePlace **Olympia**
eventMaterialsTech
materialsTech
termMaterialsTech **Marmor**

event
eventType **find**
eventPlace
place
namePlace **Olympia**



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Structure

Subjects

- *Object Classifications* –

Object / Work Type (*mandatory*)

Classification

- *Object Identifications* –

Title / Name (*mandatory*)

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

- *Events* –

Event Set

- *Relations* –

Subject Set

Related Works

- *Administrative Metadata* –

Rights

Record (*mandatory*)

Resource

Structure

Subject

- Extent Subject
- Subject Concept
- Subject Actor
- Subject Date
- Subject Place
- Subject Event
- Subject Object

```

subjectSet
  subject (type: Ikonographie)
    subjectConcept
      conceptID: 25 I 24 (type: local) (source: Iconclass)
      term: Dorfbewohner, Dörfler
  subjectSet
    subject (type: Ikonographie)
      subjectConcept
        conceptID: 46 A 13 2 (type: local) (source: Iconclass)
        term: öffentliche Straße in einem Dorf
  subjectSet
    subject (type: Ikonographie)
      subjectConcept
        conceptID: 43 B 31 (type: local) (source: Iconclass)
        term: Gasthaus, Kaffeehaus, Kneipe, etc.
  
```





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Structure



Holzschnitt/Woodcut:
Bildnis des Johann Aventinus

creator: Hans Sebald Lautensack -> Event

depicted Person: Johann Aventinus -> Subject Actor

07010042.T
H 462a



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LIDO – Lightweight Information Describing Objects

Structure

Subject

- Extent Subject
- Subject Concept
- Subject Actor
- Subject Date
- Subject Place
- Subject Event
- Subject Object

bildindex
der Kunst und Architektur

Suche

Gesamtindex
archaeologie 591

Link zur Treffermenge

☒ Neue Suche ☐ Suche verfeinern

Gesamtindex

Suchen

Kataloge

Orte

Künstler

Porträts

Themen

Treffer 28 / 591

Annales Boiorum libri sex

Bildnis des Johann Aventin

Hans Sebald Lautensack Stechen

Druck, Druckgraphik, Autorenbild
Holzschnitt

16,4 x 16,4 cm (Blatt) & 18,1 x 16,3 cm (Bild)

Inschrift:
Nürnberg, Germanisches Nationalmuseum
Verzeichnis: Bartsch Bd. 9, S. 230, Nr. 1
Ikongraphie (Iconclass)

49 K 1 (+1+3) : * Geschichte
61 R 2 (AVENTINUS, Johann)

er Hand schr
reibmaterial
ffnetes Buch
ibfeder
ifass
messer, Tas
er(liche)

07010363
07010364

erman Engr
60 800
nsack, 195

ntstand als T
t erschien. J
Foto Marburg
600, Fax: 06
orheben

objectWorkType: Druck

subject

subjectActor

displayActor

Johannes Aventinus

actor

actorID

type URL

source GND

<http://d-nb.info/gnd/11850522X>

nameActor

pref preferred

Aventinus, Johannes

nameActor

pref alternate

Thurmair, Johannes

nameActor

pref alternate

...

vitalDatesActor 1477-1534

LIDO – Lightweight Information Describing Objects

Structure

DNB, Katalog der Deutschen Nationalbibliothek - Mozilla Firefox

DEUTSCHE NATIONAL BIBLIOTHEK

LEIPZIG FRANKFURT AM MAIN BERLIN

KATALOG DER DEUTSCHEN NATIONALBIBLIOTHEK

Gesamter Bestand Deutsches Musikarchiv Deutsches Exilarchiv

Suchformular zurücksetzen

<http://d-nb.info/gnd/11850522X>

Person Aventinus, Johannes (männlich)

Andere Namen

Quelle M; LCAuth; NDB; ADB

Lebensdaten 1477-1534

Beruf(e) Historiker

Land Deutschland (XA-DE)

Weitere Angaben Bayerischer Hofhistoriograph; Dt. Historiker

Autor von / Beteiligt an 7 Publikationen

1. *Bayrische Chronik*
Aventinus, Johannes. - München : Diederichs, 1988, Erw. Neuausg.

objectWorkType: **Druck**

subject

subjectActor

displayActor

Johannes Aventinus

actor

actorID

type **URL**

source **GND**

<http://d-nb.info/gnd/11850522X>

nameActor

pref **preferred**

Aventinus, Johannes

nameActor

pref **alternate**

Thurmair, Johannes

nameActor

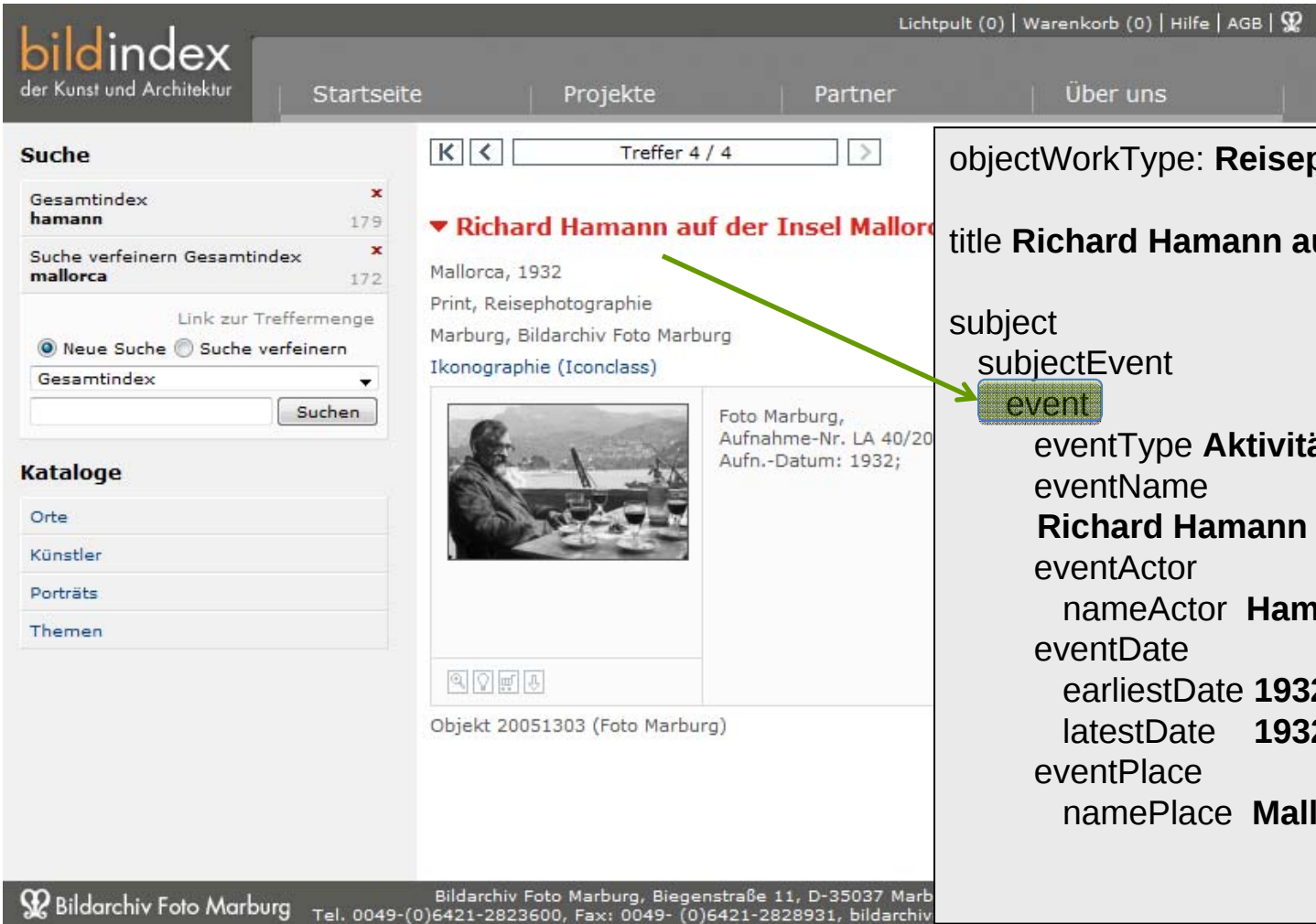
pref **alternate**

...

vitalDatesActor **1477-1534**

Structure

Subject: Allows for full content description of event photographs



The screenshot shows the 'bildindex' website interface. The search results for 'Richard Hamann auf der Insel Mallorca' are displayed. A green arrow points from the 'event' label in the LIDO structure to the search result entry.

objectWorkType: **Reisephotographie**

title **Richard Hamann auf der Insel Mallorca**

subject
subjectEvent
event

eventType **Aktivität**

eventName
Richard Hamann auf der Insel Mallorca

eventActor
nameActor **Hamann, Richard**

eventDate
earliestDate **1932**
latestDate **1932**

eventPlace
namePlace **Mallorca**

Structure

Administrative Metadata

- Object Classifications –

Object / Work Type *(mandatory)*

Classification

-Object Identifications –

Title / Name *(mandatory)*

Inscriptions

Repository / Location

State / Edition

Object Description

Measurements

-Events –

Event Set

-Relations –

Subject Set

Related Works

-Administrative Metadata –

Rights

Record *(mandatory)*

Resource



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Access to cultural heritage
networks across Europe

LIDO – Lightweight Information Describing Objects

Structure

Administrative Metadata: Record

Museen Nord, Emil Nolde: Hohe Wogen - Mozilla Firefox

File Edit View Chronik Delicious Lesezeichen Extras Help

http://www.museen-sh.de/ml/digi_einzBild.php?pi=91_23214

MUSEEN NORD
MUSEEN SCHLESWIG-HOLSTEIN & HAMBURG

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- Stiftung Seebüll Ada und Emil Nolde

Museum

- Museumsberg Flensburg Städtische Museen und Sammlungen für den Landesteil Schleswig

Emil Nolde: Hohe Wogen



zurück zur Startseite zum Leuchtkasten

Künstler: Emil Nolde  

Titel: Hohe Wogen

Objektbezeichnung:

Datierung:

objectWorkType: **Gemälde**

administrativeMetadata

rightsWork

rightsHolder

legalBodyName: **Stiftung Seebüll Ada und Emil Nolde**

legalBodyWeblink: <http://www.nolde-stiftung.de/>



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Structure

Administrative Metadata: Record, Resource

Museen Nord, Emil Nolde: Hohe Wogen - Mozilla Firefox

http://www.museen-sh.de/ml/digi_einzBild.php?pi=91_23214

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MUSEEN SCHLESWIG-HOLSTEIN & HAMBURG

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Emil Nolde: Hohe Wogen



zurück zur Startseite zum Leuchtkasten

Künstler: Emil Nolde  
Objektbezeichnung:
Titel: Hohe Wogen
Datierung:

objectWorkType: **Gemälde**

administrativeMetadata
record
recordID: **91_23214**
recordType: **Item**
recordSource: **Museumsberg Flensburg**
recordInfoLink: http://www.museen-sh.de/ml/digi_einzBild.php?pi=1300_temp47861
-> **isShownAt**

resource
linkResource <http://www.museen-sh.de/eingabe/bilder/data/mitte/1300/temp47861.jpg>
-> **isShownBy, object**



The future

CIDOC

“ICOMs International Committee for Documentation, provides the museum community with advice on good practice and developments in museum documentation.”

September 2009: Implementation of the new
CIDOC Working Group „Data harvesting and interchange“

Chairs:

Erin Coburn (CDWA Lite Advisory Committee/ Getty Museum)

Regine Stein (AG Datenaustausch/ Bildarchiv Foto Marburg)

- To become the home for the internationalized, CIDOC-CRM compliant harvesting format LIDO



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LIDO – Lightweight Information Describing Objects



Zina Dizengoff Circle,
Genia Averbouch, 1934-1949, Tel Aviv

Foto Marburg, Foto: Bassewitz, Gert von;
Aufnahme-Nr. LAC 44.894; (color); Aufn.-Datum: 1993

Thank you for your attention!

Regine Stein

German Documentation Center for Art History -
Bildarchiv Foto Marburg

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Axel Vitzthum

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