

Lightweight Information Describing Objects

Contributing Content to Cultural Heritage Repositories

Purpose



Why

Why a standard format for contributing content?

- Increasing relevance of internet presence for museums and other collections
- Increasing necessity to integrate your data in online services: facilitate resource discovery in a crosscollection 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



Purpose

Why



Zoological Museums



Medical and Pharmaceutical Collections



Archaeological Museums



Museums of Cultural History



Botanical Gardens



Museums of Fire Fighting



Computer Collections



Theatre History Collections



Geological and Mineralogical Museums



Art Museums



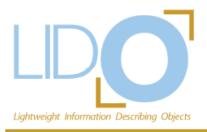


What it is

XML Schema for Contributing Content to Cultural Heritage Repositories

- For delivering metadata, for use in a variety of online services, from an organization's online collections database to portals of aggregated resources – as well as exposing, sharing and connecting data on the web.
- Intended to represent the full range of descriptive information about museum objects, e.g. art, cultural, technology and natural science.
- It supports multilingual environments.





What it is NOT

LIDO is NOT

- A fully developed data exchange format.
- A format designed for proper cataloging it is not intended to be used as a basis for a collection management system or to support loan and acquisition activities.



Construction Principles

- Provide a specification and related XML schema that describes cultural materials appropriately
- Individual data providers can decide on how light or how rich – they want their contributed metadata records to be
- Allow for delivering <u>data and resources</u> relating to your objects
- Include links from contributed metadata back to records in their 'home' context



Construction Principles

Cont.:

- Allow for delivery of full information: a record can include all the necessary information for display and retrieval of your object
- Allow for identification of each referenced entity, e.g. provide references to controlled vocabulary and authority files.
- Provide optimised metadata for retrieval on one hand and for display on the other -> distinction of display and indexing elements



Groups of Information

Descriptive and administrative information groups in LIDO

- Object Classifications –

-Events -

Object / Work Type (mandatory)

Event Set

Classification

-Relations -

-Object Identifications -

Subject Set

Title / Name (mandatory)

Related Works

Inscriptions

-Administrative Metadata –

Repository / Location

Rights

State / Edition

Record (mandatory)

Object Description

Resource

Measurements



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



Multilinguality

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



Multilinguality

Full support of multilinguality - Example

```
do:lido>
  lido:lidoRecID lido:type="local">1300 MFV 1893-237</lido:lidoRecID>
  <u>Lido:catogory lido:source="CIDOC_CPM_v5.0.1">F2</u>2.Man-Made Object</lido:category>
  do:descriptiveMetadata xml:lang="de">
                                                                         xml:lang on high-level
     slido.objectClassificationWrapz...
                                                                         element descriptiveMetadata
    lido:objectIdentificationWrap>...</lido:objectIdentificationWrap>
    do:eventWrap>
       do:eventSet>
         do:event>
           do:eventType>
              <lido:term>Production</lido:term>
           </lido:eventType>
           do:eventMaterialsTech>
                do:materialsTech>
                                                                         Material
                  do:termMaterialsTech lido:type="Material">
                                                                         Ton@de
                    do:term>Ton</lido:term>
                    do:term xml:lang="en">clay</lido:term>
                                                                         clay@en
                  Ido:termMaterialsTech>
                do:materialsTech>
           do:eventMaterialsTech>
         </lido:event>
      /lido:eventSet>
    </lido:eventWrap>
  /lido:descriptiveMetadata>
  do:administrativeMetadata xml:lang="de">...
</lido:lido>
```

Lightweight Information Describing Objects

Schema Design

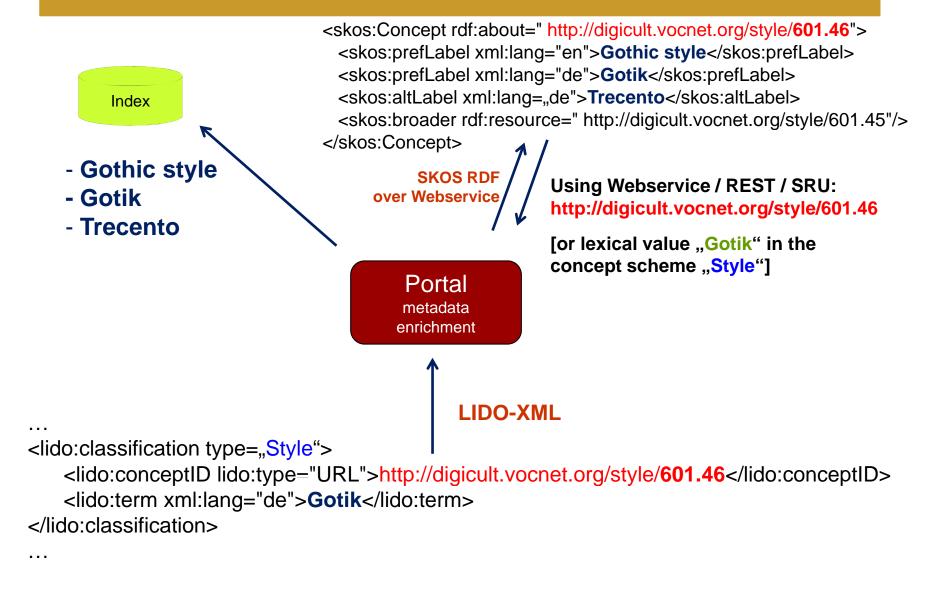
Identifier Handling

- Distinguish identifiers for an entity itself and a webresource about it!
- Identifiers are repeatable
- Entities including an identifier el.:
 - Concept
 - Actor / Legal Body Ref
 - Place
 - Event
 - Object
- Example:

<lido:conceptID lido:type="URL" lido:source="Iconclass"> http://iconclass.org/sw/44G123</lido:conceptID>



References to Controlled Vocabulary





xxxWrap (0-1)

Schema Design

Display <> Index

Display and Index elements – basic structure:

```
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





Object Classification

- 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

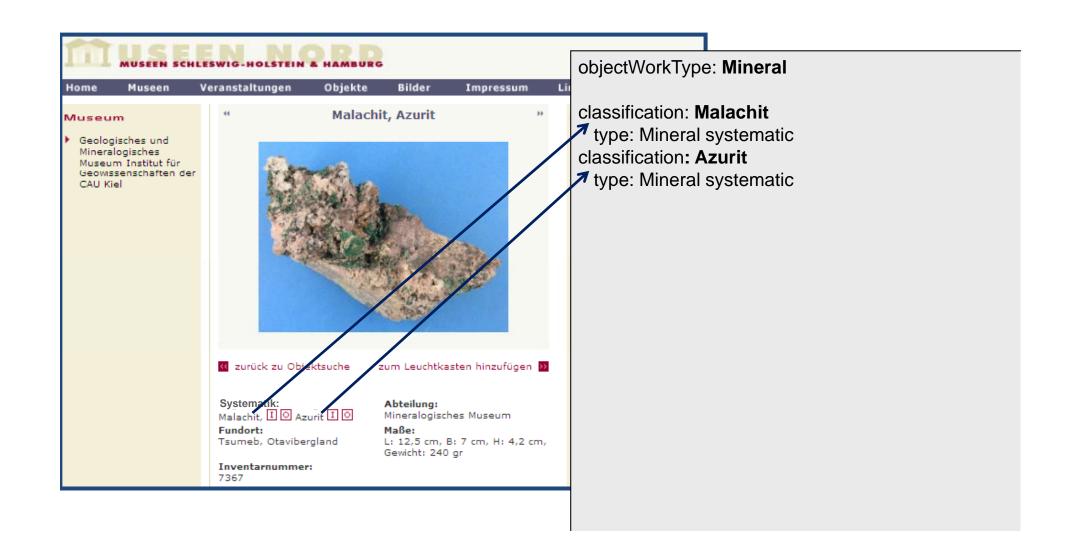
Record (mandatory)

Resource





Object Classification







- 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

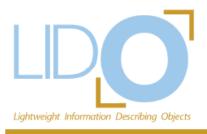
-Administrative Metadata -

Rights

Record (mandatory)

Resource

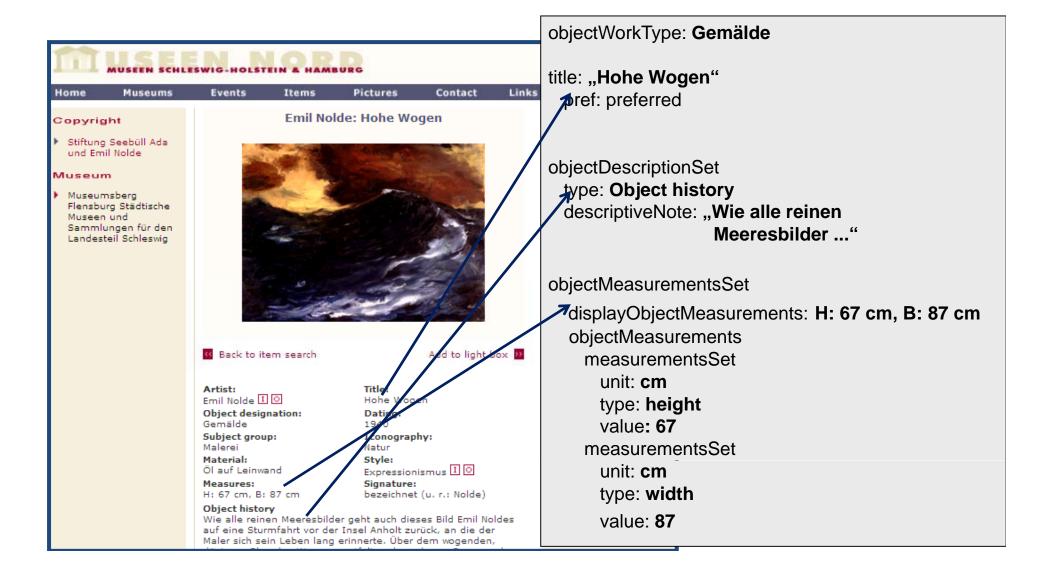






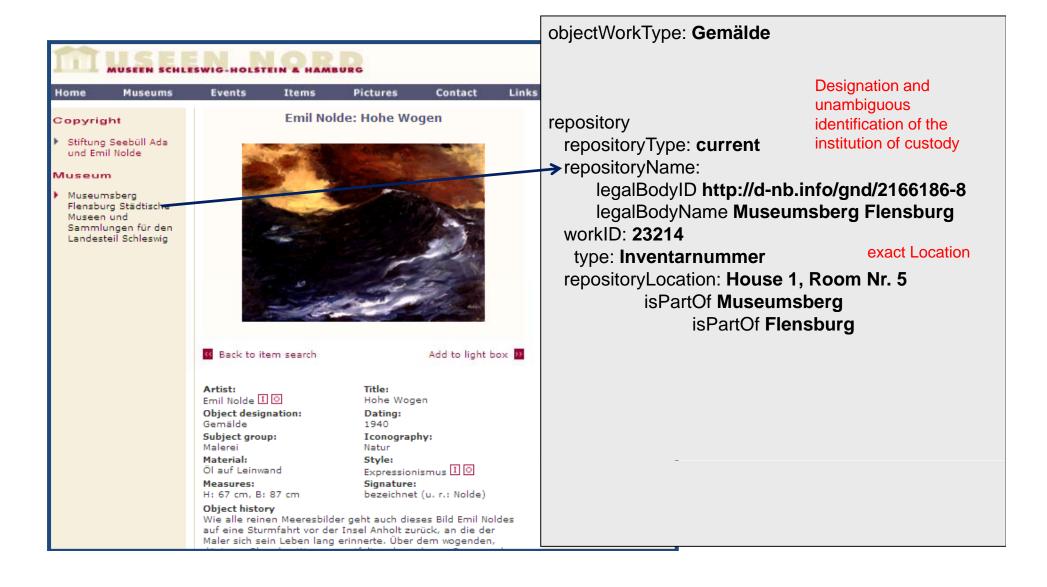














Event <> Subject

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"





- 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



Treffer 0 / 0

Schlosspark Nymphenburg, München - Nymphenburg

weiter ng: harles Carbonet Gartenarchitekt

Ausbau: Joseph Effner Architekt

Imgestaltung Eriedrich Ludwig von Sckell Gartenarchitek

b 1664 Erweiterung; ab 1702, Ausbau: ab 1715 Umgestaltung; 1799-1823

d losspark, Gartenkunst



Foto Marburg, Aufnahme-Nr. LAC 42.732;; (color); Aufn.-Datum: 1940/1949; Fotoinhalt: Blick von der Freitreppe nach Nordosten übers Hauptparterre



Foto Marbur Aufnahme-I Aufn.-Datur Fotoinhalt: I nach Weste des Bacchu 1782)

国口间书



Foto Marburg, Foto: Schmidt-Glassner, Helga; Aufnahme-Nr. 1.554.091;; Aufn.-Datum: 1950/1955; Fotoinhalt: Blick von der Badenburg über den See zum Monopteros



Aufnahme-I (color); Auf 1950/1955; Fotoinhalt: I Fenster der nach Norde Pagodenbur

Foto Marbur

回口面



Foto Marburg, Aufnahme-Nr. C 1.570.774;; (color); Aufn.-Datum: 1950/1955; Fotoinhalt: Blick aus einem Fenster der Pagodenburg nach Südosten zum See



Foto Marbur Aufnahme-I Aufn.-Datur Fotoinhalt: I Fenster der nach Südos

同る高い

Abb. auf Microfiche: mi15652f03-mi15652f07 Objekt 20144943 (Foto Marburg)

-Event Identifier

–Event Type

-Role in Event

-Event Name

-Event Actor

-Culture

-Event Date

-Period

-Event Place

-Event Method

-Materials / Technique

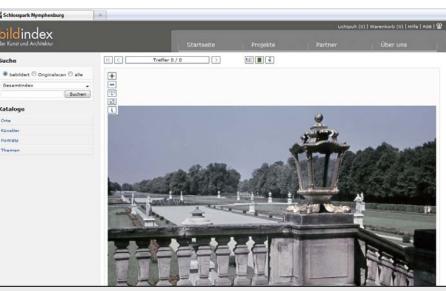
-Thing Present

-Event Related

-Event Description



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



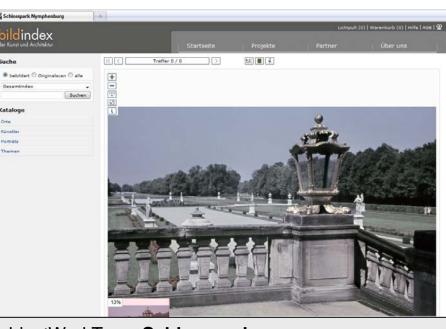
objectWorkType: Schlosspark title: Schlosspark Nymphenburg

event
eventType Herstellung / Creation
eventActor
displayActorInRole unknown

eventDate
displayDate ab 1664
date
earliestDate 1664
latestDate 1664
eventPlace
place
namePlace München - Nymphenburg



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



objectWorkType: Schlosspark title: Schlosspark Nymphenburg

event

eventType Erweiterung / Part Addition

eventActor

displayActorInRole Charles Carbonet (1701?-171) actorInRole

actor

nameActor Carbonet, Charles roleActor Gartenarchitekt

eventDate

earliestDate 1702

latestDate 1702

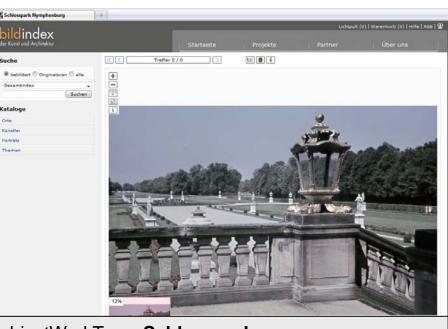
eventPlace

place

namePlace München - Nymphenburg



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



objectWorkType: Schlosspark title: Schlosspark Nymphenburg

event

eventType Umgestaltung / Modification

eventActor

displayActorInRole Friedrich L. von Sckell actorInRole

actor

nameActor **Sckell**, **Friedrich Ludwig von** roleActor **Gartenarchitekt**

eventDate

earliestDate 1799

latestDate 1823

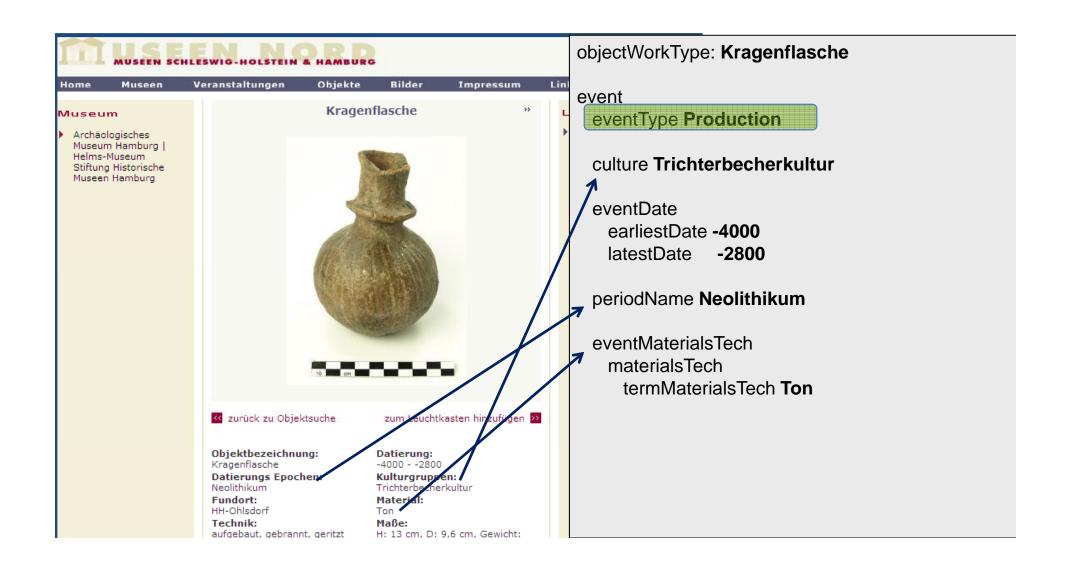
eventPlace

place

namePlace München - Nymphenburg

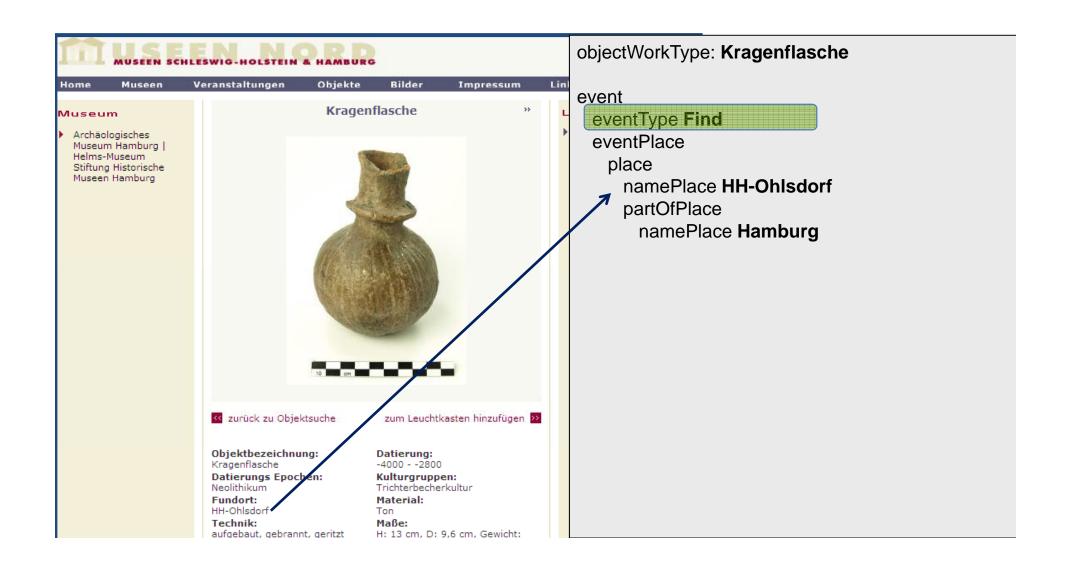


Event





Event







Subject / Content

- 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



Subject / Content

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



subject (type: Ikonographie)

subjectConcept

conceptID: 25 I 24 (type: local) (source: lconclass)

term: Dorfbewohner, Dörfler

subjectSet

subject (type: lkonographie)

subjectConcept

conceptID: 46 A 13 2 (type: local) (source: lconclass)

term: öffentliche Straße in einem Dorf

ubjectSet

subject (type: Ikonographie)

V subjectConcept

conceptID: 43 B 31 (type: local) (source: lconclass)

term: Gasthaus, Kaffeehaus, Kneipe, etc.



Subject / Content



Holzschnitt/Woodcut:

Bildnis des Johann Aventinus

creator: Hans Sebald Lautensack -> Event

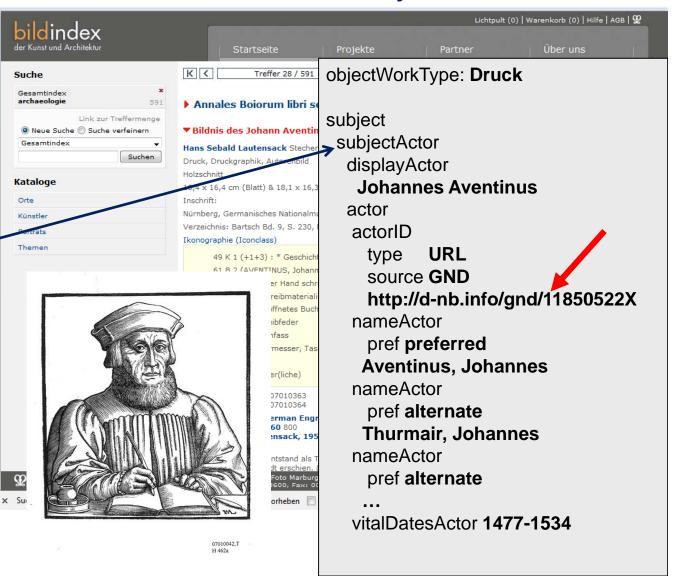
depicted Person: Johann Aventius -> Subject Actor

07010042,1 H 462a



Subject / Content

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



DNB, Katalog der Deutschen Nationalbibliothek - Mozilla Firefox Datei Bearbeiten Ansicht Chronik Delicious Lesezeichen Extras Hilfe □☆ · Google FRANKFURT AM MAIN BERLIN English Kontakt A-Z Förderer Datenschutz Impressum Hilfe Mein Konto KATALOG DER DEUTSCHEN NATIONALBIBLIOTHEK ↓ Katalog → Einfache Suche Gesamter Bestand Deutsches Musikarchiv Deutsches Exilarchiv → Erweiterte Suche → Browsen (DDC) → Suchformular zurücksetzen → Suchverlauf Finden → Meine Auswahl -> Hilfe http://d-nb.info/gnd/11850522X → Datenshop → Mein Konto → Ablieferung von **å** Aktionen Netzpublikationen i In meine Auswahl übernehmen Link zu diesem http://d-nb.info/and/11850522X A Druckansicht Datensatz Korrekturanfrage Aventinus, Johannes (männlich) Benutzer: → Zugehöriger Artikel in Wikipedia Andere Namen Aventin, Johannes Aventinus.... Passwort: Thurmair, Johannes Turnmair, Johannes Turmair, Johannes %(VD-16) Login → Auen., Johannes Durmair, Johannes → Über die Deutsche Thurinomarus, Johannes Aventinus Nationalbibliothek Aventin, Iogann Aventinus, Joannes Aventin Aventinus Turmair, Johann Turmair, Johannes [Wirkl, Name] Turmair, Johann Georg Aventin, ... Aventinus, Johannes Ouelle M: LCAuth: NDB: ADB 1477-1534 Lebensdaten Historiker Beruf(e) Deutschland (XA-DE) Bayerischer Hofhistoriograph; Dt. Historiker Weitere Angaben Autor von / Beteiligt 7 Publikationen 1. Baierische Chronik Aventinus, Johannes, - München: Diederichs, 1988, Erw. Neuausq. ☑ 🔀 🖂 🥻 🙆 zotero Fertig

Structure

Subject / Content



H 462a





Subject / Content

Allows for full content description of event photographs



objectWorkType: Photography

title Yalta summit in 1945 with Winston Churchill, Franklin Roosevelt and Joseph Stalin

subject subjectEvent

event

eventType Activity
eventName Yalta conference
eventActor
nameActor Churchill, Winston
eventActor
nameActor Roosevelt, Franklin D.
eventActor
nameActor Stalin, Joseph
eventDate
earliestDate 1945
latestDate 1945
eventPlace

namePlace Yalta





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 -

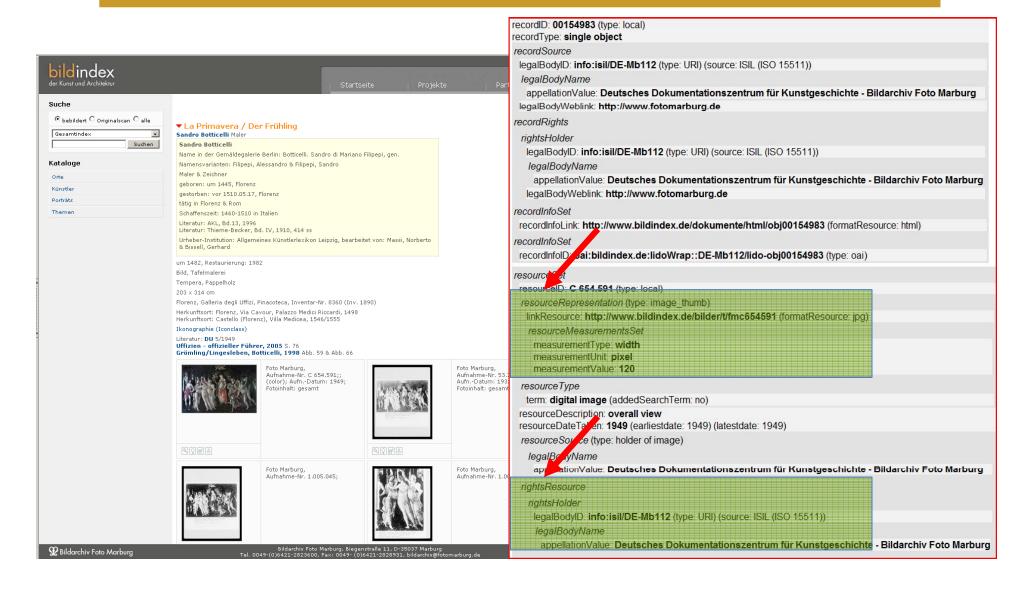
Rights

Record (mandatory)

Resource



Administrative Metadata





Lightweight Information Describing Objects

www.lido-schema.org