

CDWA Lite and museumdat



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museumdat: Who we are

- Institute for Museum Research / State Museums of Berlin, Germany
- Zuse-Institute Berlin – Research Center for Information Technology, Berlin, Germany
- Special Interest Group Documentation of the German Museums Association



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museumdat: Short history

- Starting point:
Search for a harvesting format for museum object data
- Good news:
J. Paul Getty and ArtStor were publishing CDWA Lite



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Good news: CDWA Lite

- Very good choice of core elements!
- Detailed and understandable definition and description of elements!
- Especially useful:
descriptive metadata <> administrative metadata
display elements <> indexing elements

➤ Translation into German



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Use of CDWA Lite in Germany: Challenges

WG Data exchange, German Museum Association:

- Need of a format that covers object data of manifold provenance such as cultural history, natural history, history of technology ...
- Event-oriented approach of CIDOC CRM copes with this need



museumdat: Rearrangement of CDWA Lite elements

Based on CIDOC-CRM analysis:

- Grouping of descriptive elements into 5 principal categories:
Classification / Identification / Description / Event / Relation
- Introduction of Event Set, grouping together Actor, Date and Location Information



museumdat: Rearrangement of CDWA Lite elements

museumdat element	<i>corresponds to</i>	CDWA Lite element
II.3. Custody / Repository Location	only repository, no location information	14. Location / Repository
IV.1.1. Indexing Event Set		
IV.1.1.1. Event Type	includes	13.1.1. Date Qualifier and 14.1.1. Location/ Repository Type-Attribute
IV.1.1.2. Indexing Actor Set	generalises all sub-elements	4.1. Indexing Creator Set
IV.1.1.3. Indexing Dates	not repeatable within same Event Set	13.1. Indexing Dates Set
IV.1.1.4. Indexing Location	only location, no repository information	14. Location / Repository

1. Splitting the Location/Repository Element into a Repository Element and a Location Element

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2. Generalisation of Indexing Creator Element into Indexing Actor Element

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3. Combination of Actor, Date and Location into an Event Set, qualified by an Event Type

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CDWA Lite and museumdat

Object Classification Wrapper

1. Object/Work Type

16. Classification

Identification Wrapper

2. Title

18. Inscriptions

changed: Custody / Repository

Description Wrapper

3. Display Creator

12. Display Creation Date

new: Display Creation Location

5. Display Measurements

7. Display Materials/Techniques

9. Display State/Edition

new: Display Event

17. Description/Descriptive Note

Event Wrapper

new: Indexing Event

new: EventType
e.g. *creation, use, discovery...*

changed: Indexing Actor

changed: Indexing Dates

changed: Indexing Location

6. Indexing Measurements

8. Indexing Materials/Technique

10. Style

11. Culture

Relation Wrapper

15. Indexing Subject

19. Related Works

Administrative Metadata Wrapper

20. Rights / 21. Record / 22. Resources

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Example 1: Cultural history



Event Type:
Use

Deutsches Historisches Museum - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

item Nr. 97001271

objectClassification

objectWorkType: Bücherschrank

classification: Möbel

classification: Kunstgewerbe

identification

titleSet

title: Bücherschrank aus dem Arbeitszimmer Wilhelm Piecks in Schloß Niederschönhausen

repositorySet (type: current)

repositoryName: Deutsches Historisches Museum

workID: AK 1235 (type: Inventarnummer)

description

displayCreationDate: um 1950

displayMeasurements: 220,5 cm (Höhe), 270 cm (Breite), 71 cm (Tiefe)

displayMaterialsTech: Holz, Messing (Einlagen)

displayEvent: Gebrauch: Wilhelm Pieck, 1950er Jahre, Berlin, Schloß Niederschönhausen

event

indexingEventSet

eventType: Gebrauch

indexingActorSet

nameActorSet

nameActor: Pieck, Wilhelm (termsource: DHM-Personendatei) (termsourceID: PE019212)

vitalDatesActor: 1876-1960 (birthDate: 1876.01.03) (deathDate: 1960.09.07)

genderActor: männlich

roleActor: Nutzer

indexingDates

earliestDate: 1950

latestDate: 1960

indexingLocationSet

nameLocationSet

nameLocation: Berlin, Schloß Niederschönhausen

Example 2: Natural history



Event Type:
Collection Event

Event Type:
Type Creation

Zoologisches Forschungsmuseum Alexander Koenig - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

objectClassification
objectWorkType: **Biological Object** (termsource: CRM) (termsourceID: E20)
objectWorkType: **Insect**
classification: **Holotype**
classification: **Colletes alini**

identification
titleSet
title: **Colletes alini**

repositorySet
repositoryName: **Zoologisches Forschungsmuseum Alexander Koenig**
workID: **HYM 2004/84** (type: collection number)

event

indexingEventSet
eventType: **Collection Event**

indexingActorSet
nameActorSet
nameActor: **Alin, V.** (type: personalName)
roleActor: **Collector**

indexingDates
earliestDate: **1952.07**
latestDate: **1952.07**

indexingLocationSet
nameLocationSet
nameLocation: **Charbin, Mandschurei, Heilongjiang, China, Asia**

indexingEventSet
eventType: **Type Creation**

indexingActorSet
nameActorSet
nameActor: **Kuhlmann, M.** (type: personalName)
roleActor: **Type Creator**

indexingDates
earliestDate: **2000**
latestDate: **2000**

CDWA Lite and museumdat

museumdat – further differences to CDWA Lite: Required Elements

- 23 Elements, due to broader focus only 3 are required:
- Object / Work Type
 - Title or Object Name
 - Record Element with ID and Source

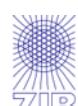
museumdat – further differences to CDWA Lite: Attributes

- Multilingual:
languageencoding, xml:lang
- Control of data conversion:
relatedencoding, encodinganalog
- Handling of controlled vocabulary:
termsource, termsourceID (= CDWA Lite)
imported



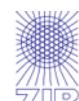
museumdat: Current state

- Official launch of version 1.0 on Oct 10th during the annual conference of SIG Documentation
- Great number of software suppliers will support the format
- Introduced into the discussion on metadata formats for the European Digital Library



museumdat: Presently being used by a number of German institutions

- BAM-Portal: Portal for Libraries, Archives, Museums
- DigiCult Schleswig-Holstein: Museum Network
- Bildarchiv Foto Marburg: Image Archive
- GBV: Library Network
- Stadtgeschichtliches Museum Leipzig
- Ethnologisches Museum der SMB-PK
- Deutsches Historisches Museum



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To summarize:

- CDWA Lite fulfills most of our requirements
- museumdat is a reconfiguration of CDWA Lite in order
 - to allow for harvesting of various object data,
e.g. from cultural history, natural history ...
 - to be compliant with CIDOC CRM / ISO 21147
- We would be very happy to discuss and develop next steps jointly to serve best all our museums!



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