



lido-schema.org

ICOM Documentation LIDO Working Group

LIDO application profiles

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LIDO application profiles

- Application profiles...
 - are needed to tailor LIDO for specific use cases.
 - outline which elements and attributes are required for these use cases.
- They can be documented as...
 - as texts
 - as tables
 - as technical specifications (e.g. XSD)

LIDO application profiles

LIDO application profiles may contain

- additional mandatory elements
- restrictions on which elements should be used
- terminology recommendations
- extensions to the existing LIDO terminology

HOWEVER: LIDO profiles must always comply with the LIDO schema!

LIDO application profiles

Application profiles (selection)

- EODEM (Exhibition Object Data Exchange Model)
- LIDO Handbook “Graphics”
- LIDO Handbook “Painting and Sculpture”
- LIDO Handbook “Architecture”
- DFG Practical Guidelines on Digitisation
- LIDO Profile of the German Digital Library (DDB LIDO)
- LIDO Profile “Collections from Colonial Contexts” (CCC LIDO)
- Minimum Record Recommendation for Museums and Collections v. 1.1

[Overview on lido-schema.org](https://lido-schema.org)

[Mapping table \(XLS\)](#)



LIDO Profile Painting and Sculpture

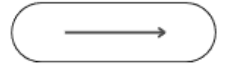
LIDO Profile Painting and Sculpture



This LIDO Profile is defined via an **XML Schema Definition**:

<https://lido-schema.org/profiles/v1.1/lido-v1.1-profile-paintingandsculpture-v1.0.xsd>

The schema-definition for paintings and sculptures has been developed by Simon Sendler.



LIDO Profile Painting and Sculpture



The XSD is a technical translation of the rules and recommendations given in this LIDO handbook published in 2022 and still in use.

Jahr	Downloads
2025	1.266
2024	1.168
2023	961
2022	695



LIDO Profile Painting and Sculpture



The purpose of an XSD schema is to define and describe a class of XML documents by using schema components to constrain and document the meaning .



There are four different levels of constraints:

- Fatal
- Warn
- Caution
- Info

While using an XML Editor, you can validate your records against the rules defined within this profile.

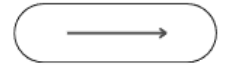
LIDO Profile Painting and Sculpture



An example of a **fatal** constraint is missing a mandatory LIDO element or mixing up the requested structure of information.

An example of a caution constraint is missing an ID for the cultural heritage object described in a record, such as

```
<sch:assert test="count(child::lido:objectPublishedID)
gt 0" role="caution"> To allow for automatic
referencing, at least one lido:objectPublishedID should
be given. </sch:assert>
```



LIDO Profile Painting and Sculpture



In order to prepare a LIDO XML record according to the profile, you may start with a mapping table.

You can access it here:

<https://doi.org/10.11588/DATA/CHEPS6>

or as a slightly more elaborated version in English here:

https://lido-schema.org/documents/trainings/v1-1/tables/LIDO-v1-1_EN_mapping-table.xlsx



DESIGN PRINCIPLES

LIDO contains only very few **mandatory elements**:

- [LIDO Metadata Record Identifier](#)
- [Object/Work Type](#)
- [Title](#)
- [Record ID](#)
- [Record Type](#)
- [Record Source](#)
- Furthermore, there are elements that are mandatory if other elements are used.



LIDO Profile Painting and Sculpture

Additionally, the LIDO profile for painting and sculpture request the following **mandatory elements**:

- Application Profile
- Repository/Location Set → Repository/Location
- Object Materials/Techniques Set → Term Materials/Techniques
- at least one: Event Set with an → Event Type
- Rights for Work Set with a → Rights Type
- Rights for Record with a → Rights Type
- Rights Resource with a → Rights Type



LIDO Profile Painting and Sculpture

Last, but not least, it recommends the use of certain attributes for more precise data, such as:

- The type of the object work type
- Title types
- Types of inscriptions
- The type of a work ID
- The type of an object description or an event description etc.



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Minimum Record Recommendation for Museums and Collections v1.1: A LIDO application profile

ICOM Documentation LIDO Working Group
Meeting: LIDO Profiles
3 December 2025
(online)

Chiara Marchini
German Digital Library Museum Desk
Minimum Record Recommendation
Working Group

Digitale Objekterfassung, Staatliche Museen, Wetzlar, 2023, CC-BY-SA 4.0; Museumsverband Hessen, Fotografin: Katrin Fritze



What is the Minimum Record Recommendation (MDS)?

- Aims and Impact Design
 - Specifies the most important data elements for the online publication of object information from museums and collections
 - Overlap of requirements from key standards for online publication
 - Impact design in accordance with Europeana Impact Playbook
- Developed by the Minimum Record Working Group, part of the Documentation Section of the German Museum Association. First full version published 2024.
- LIDO application profile
- Where to find it?

www.minimaldatensatz.de

<https://doi.org/10.5281/zenodo.11209288>

Zenodo Community 'AG Minimaldatensatz'



How does it work?

- Data elements (cataloguing) and data elements (export)
- Each MDS element corresponds to a LIDO element
 - LIDO compulsory elements + important elements from museum documentation
 - German Digital Library (DDB) and Europeana compulsory elements
 - FAIR and CARE principles
- Mapping towards existing documentation and publication standards (EDM, Spectrum, Categories for the Description of works of art etc.)
- LIDO snippets – integration of authority files / controlled vocabulary + example data record
- Integration in Museum / Collection Management Software
- Next steps:
 - Intensify cooperation with software vendors
 - ICOM Documentation affiliation, ideally Standards Working Group

Please contact us

Data elements (cataloguing)

Data elements that are usually populated during data entry:

- Object title or name (mandatory)
- Object type or designation (mandatory)
- Classification (recommended)
- Inventory number (mandatory)
- Object description (recommended)
- Materials (recommended)
- Techniques (recommended)
- Measurements (recommended)
- Event in object history [element set] (mandatory)
 - Event type (mandatory)
 - Person/corporate body (conditionally mandatory)
 - Date (conditionally mandatory)
 - Place (conditionally mandatory)
- Subject keyword (recommended)
- Media file [element set] (mandatory)
 - Link to media file (mandatory)
 - Usage rights of media file (mandatory)
 - Rights holder of media file (conditionally mandatory)
 - Alternative text (recommended)

Data elements (export)

Data fields that are usually populated during or after export from the local database system:

- Record ID (mandatory)
- Record language (mandatory)
- Record type (mandatory)
- Repository of object (mandatory)
- Institution providing record (mandatory)
- Media file: type of media file (mandatory)
- Usage rights of metadata record (mandatory)
- Link to published metadata record (recommended)
- Record date (recommended)



QR Code: English version

www.minimaldatensatz.de

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What were your experience with
LIDO application profiles?

What challenges have you encountered?