Datenqualität im Museumskontext: Eine Anforderungsanalyse aus dem EU-Projekt Athena Plus

«Linked Data – Vision und Wirklichkeit»
16. DINI-Jahrestagung 28.10.2015 Frankfurt/M.

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Athena Plus

ABOUT US

AthenaPlus is a Best Practice Network.
Its main objective is to make cultural heritage more widely
accessible through Europeana. By sharing experience from
dozens of experts from all over Europe, the project supports
the development of new applications for digital heritage.

AthenaPlus
is a project
of the Europeana
Ecosystem

europeana
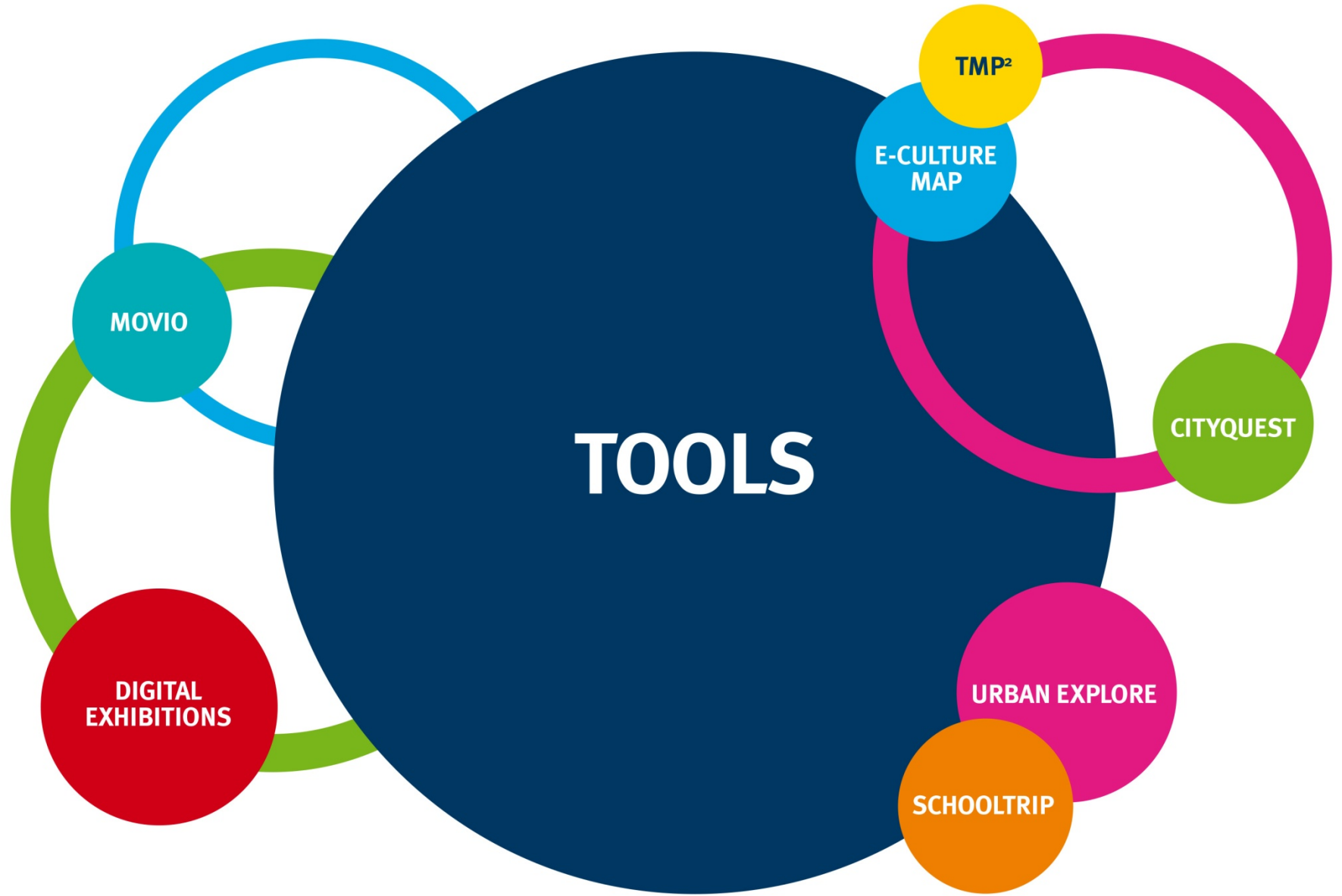think culture

32 MONTHS
(March 2013 – October 2015)

41 PARTNERS

21 European countries

38 cooperation agreements
with GLAMs

25 LANGUAGES

6 MoUs with other projects

TOOLS

TMP²

E-CULTURE MAP

MOVIO

CITYQUEST

DIGITAL EXHIBITIONS

URBAN EXPLORE

SCHOOLTRIP

AGGREGATION

With **3.4 million** records AthenaPlus is one of the largest Europeana aggregators, second only to The European Library.

39 content providers, including

11 national aggregators

almost **500** cultural institutions

24 European countries

LIDO

www.lido-schema.org

ATHENA PLUS
Access to cultural heritage networks for Europeana

ICOM INTERNATIONAL COMMITTEE FOR DOCUMENTATION

JOIN IN

MEMBER ACCESS

EN FR ES GR SE DE

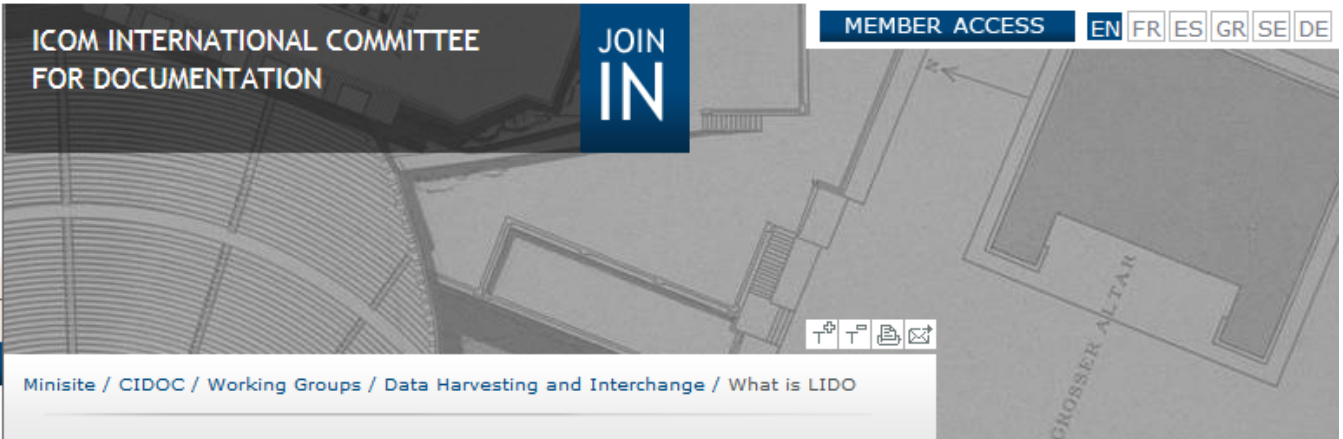INTERNATIONAL COUNCIL OF MUSEUMS
CIDOC

- HOME
- EVENTS
- WORKING GROUPS
  - OVERVIEW
  - Archaeological Sites
  - Co-reference
  - CRM Special Interest Group
  - Data Harvesting and Interchange
  - Digital Preservation
  - Documentation Standards
  - Information Centres
  - Intangible Cultural Heritage
  - Museum Process Implementation
  - Semantic Research Environments
- RESOURCES
- ORGANISATION
- ARCHIVES

Minisite / CIDOC / Working Groups / Data Harvesting and Interchange / What is LIDO

What is LIDO

LIDO
Lightweight Information Describing Objects

Find the LIDO specification here. - Get introductory material here.

LIDO is an XML harvesting schema. The schema is intended 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. It is not intended to be used as a basis for a collection management system or to support loan and acquisition activities.

LIDO menu

- Why LIDO
- What is LIDO
- LIDO overview
  - LIDO's background
    - Related standards
    - What's in LIDO
      - Mandatory elements
      - Examples
- LIDO technical
  - Specification
  - Terminology
  - Tools
- FAQ
  - General questions
  - Practical questions
- LIDO community
  - Use of LIDO
  - Get in contact
  - Resources

Lightweight Information Describing Objects

- Ist ein explizites Format für die Bereitstellung von (Museums-) Objektinformation in standardisierter Form.

- Ist eine Anwendung des CIDOC-CRM.

- Ist das Ergebnis der Zusammenarbeit von internationalen Akteuren im Bereich der Museumsdokumentation.

Historische / Kultur-geschichtliche Sammlungen

Technikgeschichtliche Sammlungen

Kunstsammlungen

Naturhistorische Sammlungen

Archäologische Sammlungen

Geologische / Mineralogische Sammlungen

Ethnologische Sammlungen

Münzen

Architekturdokumentation

Fotografien

…

…

LIDO: XML Schema for Contributing Content to Cultural Heritage Repositories

- Bereitstellung von Metadaten in Online Services:
  - Online-Datenbanken
  - Portale
  - **Linked Data**

- Zielt auf die Publikation der vollen, deskriptiven Information zu bildhaften und dreidimensionalen Objekten aus verschiedensten Sammlungsbereichen

- Unterstützt mehrsprachige Präsentationen.

Zulieferformat für die Europeana

> über 20 verschiedene Länder und Sprachen

Zulieferformat für die Deutsche Digitale Bibliothek

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Access to cultural heritage
networks for Europeana

Datenqualität in Europeana

ATHENA PLUS — Access to cultural heritage networks for Europeana

We want good quality data and we want it now!

Author: Valentine Charles   6 mins to read

📅 12 May 2015   Comment

QUESTIONS?

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Europeana is only as good as its data. That's why improving data quality is our number one priority for the next five years. And it's why you'll hear us bring up the subject time and again.

http://pro.europeana.eu/blogpost/we-want-good-quality-data-and-we-want-it-now

→ **Report and Recommendations from the Task Force on Metadata Quality**

Task Force Chair: Marie-Claire Dangerfield (EF)
Task Force Co-Chair: Lisette Kalshoven (KL)
December 2013 - May 2015.

Metadata is the lifeblood of Europeana. It is only by describing digital collections with rich metadata that they can become part of the shared cultural heritage landscape of Europe.

Europeana Task Force on Metadata Quality, Report and Recommendations p.3 (Executive Summary)

We have defined good metadata quality as:

- 1. Resulting from a series of trusted processes
- 2. Findable
- 3. Readable
- 4. Standardised
- 5. Meaningful to audiences
- 6. Clear on re-use
- 7. Visible

Europeana Task Force on Metadata Quality, Report and Recommendations p.8

Anforderungsanalyse
Datenqualität im Museumskontext

Pflichtelemente für deskriptive Daten

– Objekttyp (<> dc:type) [AAT]

– Titel (<> dc:title)

Ergänzend kommen als Pflichtelemente in Frage

– Generische Objektklassifikation [AAT]

– Standortangabe [TGN]

– Mindestens eine Information zur Objektgeschichte

- Akteur [ULAN] *oder/und*
- Kultureller Kontext [AAT] *oder/und*
- Datierung *oder/und*
- Periode [AAT] *oder/und*
- Ort [TGN] *oder/und*
- Material / Technik [AAT]

Getty Vokabulare bieten Best Practice!

- ISO 25964 konform
- Vertrauenswürdige und gepflegte Quelle
- Multilingual
- Offene Lizenz
- Linked Data Publikation (inkl. SPARQL Endpoint)

Minimum: Generische Objektklassifikation über Top Hierarchie

Top of the AAT hierarchies
.... Objects Facet
.... Built Environment (hierarchy name)
.... Settlements and Landscapes (hierarchy name)
.... Built Complexes and Districts (hierarchy name)
.... Single Built Works (hierarchy name)
.... Open Spaces and Site Elements (hierarchy name)
.... Components (hierarchy name)
.... components (objects parts)
.... Furnishings and Equipment (hierarchy name)
.... Furnishings (hierarchy name)
.... Costume (hierarchy name)
.... Tools and Equipment (hierarchy name)
.... Weapons and Ammunition (hierarchy name)
.... Measuring Devices (hierarchy name)
.... Containers (hierarchy name)
.... Sound Devices (hierarchy name)
.... Recreational Artifacts (hierarchy name)
.... Transportation Vehicles (hierarchy name)
.... Object Genres (hierarchy name)
.... objects
.... object genres (object classifications)
.... Object Groupings and Systems (hierarchy name)
.... object groupings
.... systems (equipment)
.... Visual and Verbal Communication (hierarchy name)
.... Visual Works (hierarchy name)
.... Exchange Media (hierarchy name)
.... Information Forms (hierarchy name)

![Musem logo]

Museum Collections Pilot aims at show casing museum collections with a new presentation mode. The enhanced and quality metadata produced by museum curators in respect to LIDO metadata model is generated by MINT and elaborated inside MOVIO. The resources are more than 1.00 content items from more than 20 museum institutions and organized in respect to a thesauru navigation (similar to Getty's AAT

BY WORK TYPE **BY OBJECT CLASSIFICATION** BY TIME BY PLACE

Tools and Equipment

Built Environment (62)

Furnishings and Equipment (317)

> Containers (68)

> Costume (142)

> Furnishings (61)

> Measuring Devices (5)

> Sound Devices (5)

∨ Tools and Equipment (12)

   > molds (shaping tools) (0)

   > stoves (heating equipment) (0)

   > tableware (0)

> Transportation Vehicles (0)

> Weapons and Ammunition (3)

Visual and Verbal
Communication (1212)

Circumcision knife

Circumcision knife

Inscribed Hebrew seals

K�inich Janaab� Pakal I (Great-Sun-Shield), King of Palenque, depicted on an incense burner

Mortar decorated with seven-branched candelabrum and Hebrew letters

Ofen

Queen Charlotte's notebook

Rankšluostis

Your position: Home » Explore » By Object Classification

Information Forms

Built Environment (62)

Furnishings and Equipment (317)
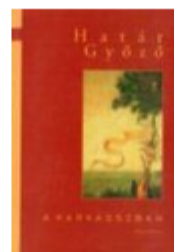
Visual and Verbal
Communication (1212)

  ⌄ Information Forms (98)

  › books (0)

  › books of hours (0)

  › dance cards (0)

  › order insignias (0)
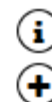
  › posters (0)

  › seals (artifacts) (0)

  › Visual Works (1114)

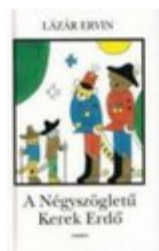A fagyott kutya lába
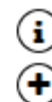

A Karkasszban

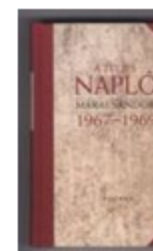A kastély előtt : versek
1998-2001
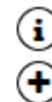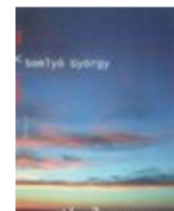

A Map of the Land o

A Négyszögletű Kerek Erdő

A Pál utcai fiúk

A plan of Imola

A teljes Napló : 19

– Unterscheidung zwischen Indexierung / "Linked data-fähigen" Daten und Anzeigeelementen
["findable" and "readable"]

– Unsichere Information muss als solche gekennzeichnet sein (z.B. ungefähre Datierungsangaben, zugeschriebene Künstler)

– Qualifizierung der Information (Art der Beteiligung, Rollenangaben)
["readable" and "meaningful to audiences"]

– Unterscheidung zwischen vom Datengeber gelieferter und automatisch angereicherter Information
["trusted process"]

Evangelischer Dom Sankt Nikolaus (Westfassade von Westen)

→ Institution
Bildarchiv Foto Marburg

Data provider's object view

Location:
Stendal Stendal, Kreis Sachsen-Anhalt – Germany

Object measurements:
Staffelhalle dreischiffig

Use
🕐 **Date:** 1258

Production
🕐 **Date:** 1201/1300

💧 **Material/Technique:** Backstein

Production
🕐 **Date:** 1423–1473

Restoration
🕐 **Date:** 1843–1847

Restoration
🕐 **Date:** 1887–1893

Part removal
🕐 **Date:** 1945

Modification
🕐 **Date:** 1945–1952

Rights:
Foto: Gaasch, Uwe

Rights Holder:
Bildarchiv Foto Marburg

Resource Rights Type:
🔗 http://www.europeana.eu/rights/rr-f/

Legal status:
CC0 1.0 Public Domain Dedication
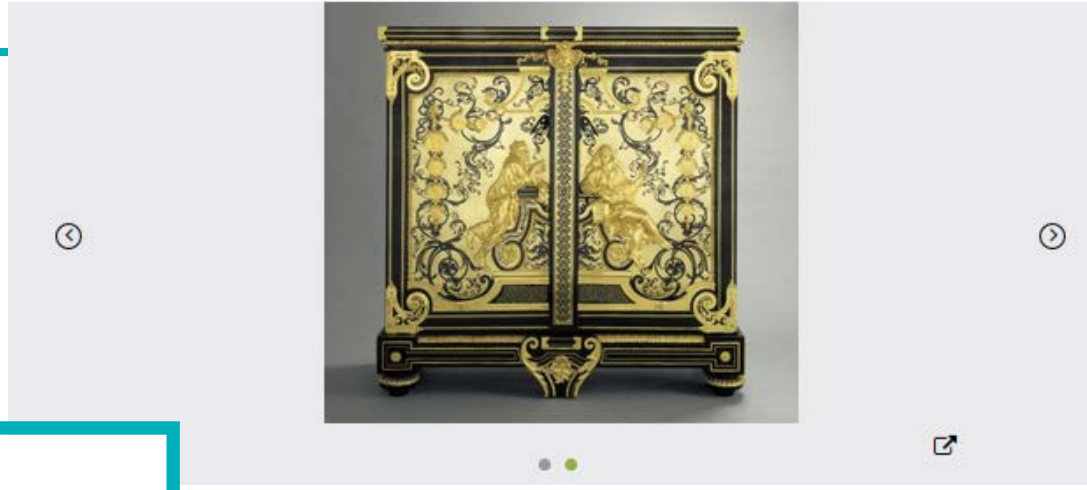
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Pair of medal cabinets

→ Institution
Royal Collection Trust

Link to this page

Data provider's object view

...lar ebony and boullework cabinets; each with two doors mounted in gilt bronze with a kneeling, bearded, man (Socrates) and seated woman (Aspasia), ...designs in her right hand and points with her left; surrounded by garlands of medals. White marble tops. Twenty-five of these cabinets, dating from three ...eighteenth century, have been identified. The first group, made under the direction of André-Charles Boulle himself, probably dates from 1705-15; the ...air belongs, are repetitions from Boulle's workshop of the 1720s and 1730s. A third group dates from the period after 1760 when a number of new ...d several existing examples, from the first or second periods, were restored. Although the earliest of these cabinets were certainly intended for medals, ...uis XIV as diplomatic gifts (Présents du Roi), by the 1730s they were as likely to have been used – in spite of their very specific decoration – simply as ...ther articles. In the case of these cabinets and several others of this second group, there is no physical evidence that they ever contained medal shelves, ...ntral foot which was originally designed to support the weight of medals. The figures of Socrates and Aspasia (the mistress of Pericles), constant ...these cabinets, derive either from Michel Corneille's painting of 1673 on the ceiling of the Salon des Nobles at Versailles or perhaps from a drawing ...e subj... Boulle's possession. Both figures of Aspasia on the cabinets are signed on the reverse by an unidentified bronze-maker, C(?) Richar[d]. The ...doors are ...d between 1643 and 1697, record the principal events of Louis XIV's reign and are often (as in the present case) of surprisingly low quality. ...e full the conte...rary passion for Boulle furniture and acquired many splendid examples. These cabinets may have been purchased from the dealer ...hey were at Carlton ...se in the Blue Velvet Closet in 1818 and in the library by 1826. Despatched in 1828 to Morel & Seddon for restoration and placed ...om at Windsor Castle, ...were subsequently transferred to the Grand Corridor. One stamped DELORME (for J.L.F. Delorme, maître 1763, as restorer); ...AIT par C [?] Richar. Catalog...try from Royal Treasures, A Golden Jubilee Celebration, London 2002.

Production
○ André-Charles Boulle (1642-1732) (Furniture maker)
Attributed to
🕓 Date: c.1735-40
📍 Place: France
💧 Material/Technique: boulle work, mounted, inlaid

Provenance
○ George IV, King of the United Kingdom (1762-1830)
(Acquirer)
💧 Material/Technique: [None]

Restoration
○ Morel & Seddon (Restorer)
○ Delorme (Restorer)
💧 Material/Technique: [None]

Subject/theme:
Medals

Resource Rights Type:

Production
○ André-Charles Boulle (1642–1732)
(furniture maker) Attributed to

🕓 **Date:** c.1735-40

📍 **Place:** France

💧 **Material/Technique:** boulle work, mounted, inlaid

Provenance
○ George IV, King of the United Kingdom
(1762-1830) (Acquirer)

Production

◯ André-Charles Boulle (1642-1732)
(furniture maker) Attributed to

Anzeige mit Rollenangabe und Zuschreibung

Index / Linked Data form

```
<lido:eventActor>
  <lido:displayActorInRole>André-Charles Boulle (1642-1732) </lido:displayActorInRole>
  <lido:actorInRole>
    <lido:actor>
      <lido:actorID lido:type="URI">http://vocab.getty.edu/ulan/500029110</lido:actorID>
      <lido:nameActorSet>
        <lido:appellationValue xml:lang="en">Boulle, André-Charles</lido:appellationValue>
      </lido:nameActorSet>
    </lido:actor>
    <lido:roleActor>
      <lido:term>furniture maker</lido:term>
    </lido:roleActor>
    <lido:attributionQualifierActor>Attributed to </lido:attributionQualifierActor>
  </lido:actorInRole>
</lido:eventActor>
```

– Anforderungen an Datenqualität sind nicht die selben im Hinblick auf

    a. Linked Data (oder allg.: API) Publikation

    b. Visualisierung / Portalpräsentation

– Linked Data löst nicht die Herausforderung des Zugangs zu großen Datenaggregationen (Precision)

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www.athenaplus.eu