



europaana
connect

Conversion of EAD into Linked Data

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Agenda

- I. „Europeana Data Model“ (EDM)
- II. Finding Aids
- III. „Encoded Archival Description“ (EAD)
- IV. EAD-XML to EDM-RDF



Workshop „Semantic Digital Archives“
Steffen Hennicke, HU-Berlin
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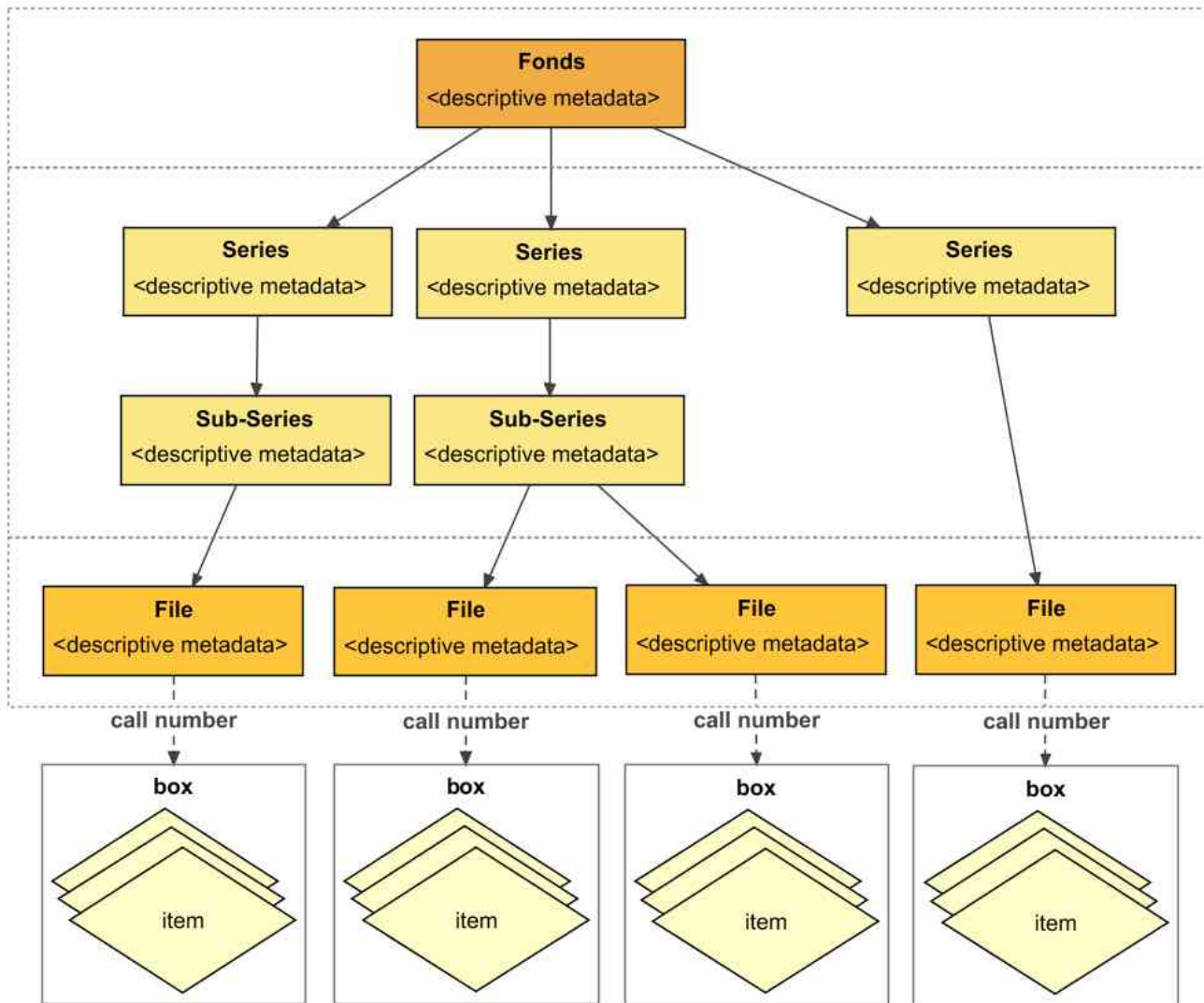


Europeana Data Model (EDM)

- RDF(S) as metamodel
 - generic classes and properties transcending other models
 - allows for specializations of classes and properties
 - solves the problem of cross-domain data interoperability
 - enables Linked Data integration
- Builds on established and proven standards:
 - Simple Knowledge Organization System (SKOS)
 - DCMI Metadata Terms
 - Open Archives Initiative Object Reuse & Exchange (OAI ORE)



Finding Aids

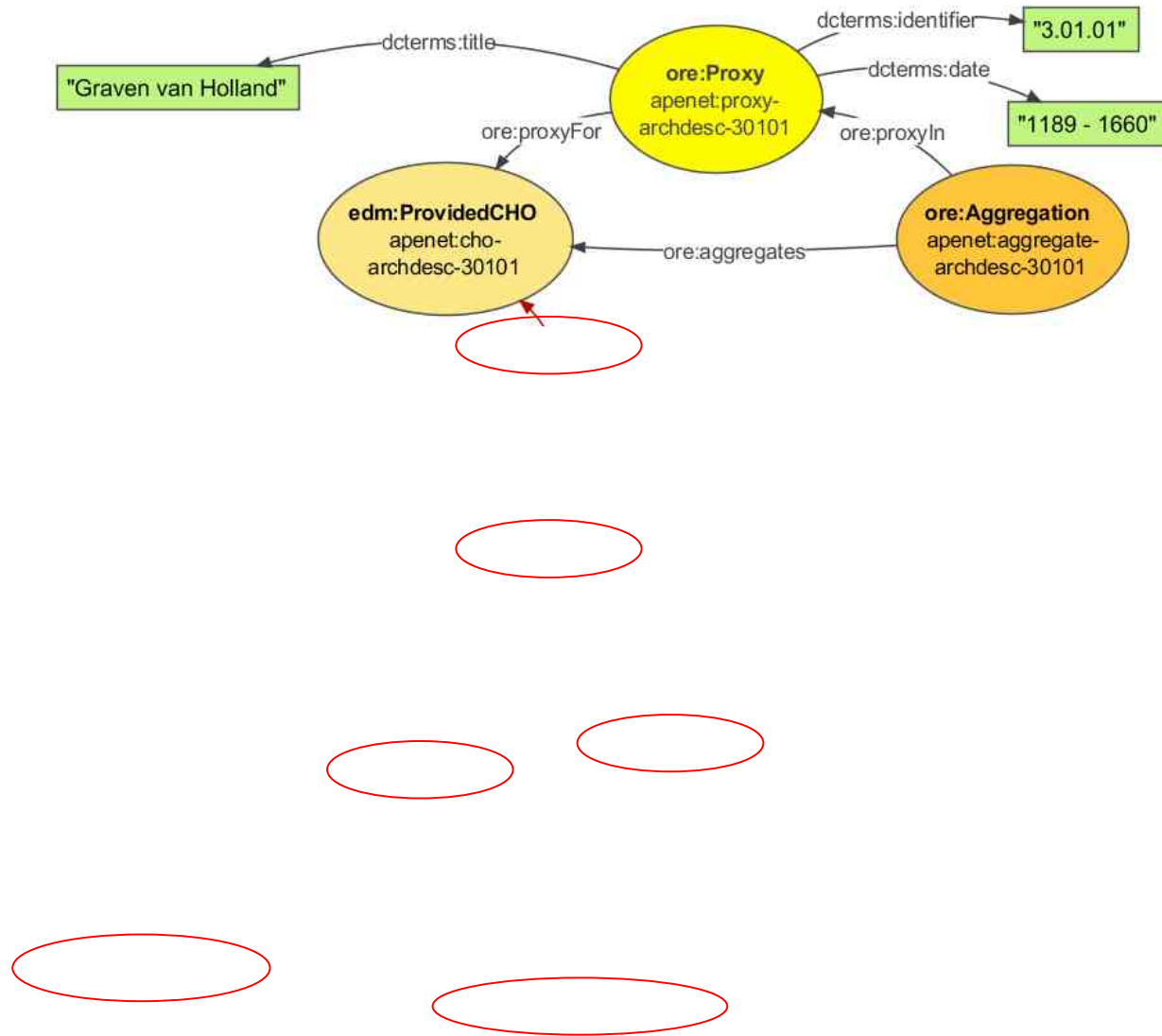


Finding Aid containing an archival description of archival material with many different units of descriptions in a multilevel arrangement.

Actual **archival material** (boxes with items in the archive's depot).

<ead>

```
<archdesc>
  <did>
    <unittitle>Graven van Holland</unittitle>
    <unitdate calendar="gregorian" era="ce">1189-1660</unitdate>
    <unitid>3.01.01</unitid>
    <repository>Nationaal Archief, Den Haag</repository>
  </did>
  <scopecontent encodinganalog="summary">
    <p>Het archief van de graven van Holland bevat documenten betreffende het
  </scopecontent>
  <dsc>
    <c level="series">
      <did>
        <unitid type="call number">5</unitid>
        <unittitle>STUKKEN BETREFFENDE DE ZORG VOOR HET ARCHIEF</unittitle>
      </did>
      <c level="file">
        <did>
          <unitid type="call number">2149</unitid>
          <unittitle>'Remissorium Philippi'; index op de grafelijke regist
        </did>
        <c level="item">
          <did>
            <unitid type="call number">2149.1</unitid>
            <unittitle>Pagina 1</unittitle>
            <dao xlink:href="http://na.memorix.nl/oai2/?image=na:coll:dat
            <dao xlink:href="http://beeldbank.nationaalarchief.nl/na:coll
          </did>
        </c>
        <c level="item">
          <did>
            <unitid type="call number">2149.2</unitid>
            <unittitle>Pagina 2</unittitle>
            <dao xlink:href="http://na.memorix.nl/oai2/?image=na:coll:dat
            <dao xlink:href="http://beeldbank.nationaalarchief.nl/na:coll
          </did>
        </c>
```





Summary

- Conversion Principles
 - retain original structure and semantic
 - use stable URI naming scheme
- EDM and EAD
 - EDM is capable to accommodate archival descriptions
 - EDM prepares EAD for Linked (Open) Data
- Future
 - revisit mappings and conversion rules
 - semantic enrichment
 - use cases





Pointers

- **Europeana**
 - <http://www.europeana.eu>
- **ThoughtLab**
 - <http://www.europeana.eu/portal>
- **Amalgame**
 - http://semantic.cs.vu.nl/europeana/browse/list_graphs
- **EDM Specifications and Primer**
 - <http://version1.europeana.eu/europeana-project/technicaldocuments>
- **EuropeanaLabs**
 - <http://europeanalabs.eu>



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