Experiments and tools using Linked Open Data

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Q: Did I “check the weather” today?

A: YES, above weather info comes from linked data. SIRI, Google Android, & Glass also provide the answer from linked data sources.
Who and what are we working on?

- Began with access to online collections via website [2010]
- Extended XML data provider, [2011] in use by:
  - In 2012 began creating unified LOD based on CIDOC-CRM and other (SKOS, RDFS, etc.) ontologies with:
  - 2013/14 interconnecting various data points:

"Linked Open Data, end-users, and applications" by Lec Maj @ AAC LOD 2013
### Linked Open Data (via Pubby)

**URI:** http://collection.britishart.yale.edu/id/object/64421

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<tr>
<th>Property</th>
<th>Value</th>
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</tr>
</tbody>
</table>

- Consists of: original gilding
- Consists of: wood
- Located in: New Haven
- Located in: Yale Center for British Art
- Location: New Haven
- Location: Yale Center for British Art
- Object type: Frame
- Production Period / Culture: 18th century
- Production by: Unknown framemaker
- Production date: mid-18th century
- Subject: Exceptional
- Subject: Period
- Subject: Pierced corner foliate scroll & sunflower cartouches linked by swept trailing floral sprigs; acanthus-tip sight
- Subject: Rococo
- Subject: Shallow scotia with frieze
- Subject: no
- Uses technique: oil gilding
- Uses technique: original gilding

**Consists of:**
- Gold leaf
- Gesso (likely)

**Label**
- http://collection.britishart.yale.edu/id/thesauri/AAT/300189814
- British, Rococo frame

**SameAs**
- http://collection.britishart.yale.edu/id/object/64421
- http://collection.britishart.yale.edu/id/object/YCBA/lido-TMS-64421
- http://collections.britishart.yale.edu/vufind/Record/3414343
- http://discover.odi.edu/yed/Record/3414343

**Type**

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Federated YCBA and Rembrandt Data

Rembrandt Federated Search Results (Sofia - OWLIM)

- Rembrandt: Database
  - Saskia van Uylenburgh in ermine costume
    http://www.rembrandtdatabase.org/obj/22575
- Rembrandt: Database
  - Man in Oriental Costume
    http://www.rembrandtdatabase.org/obj/56650

Yale Federated Search Results (New Haven - OWLIM)

- Yale Database: Costume Design
  http://collection.britishart.yale.edu/id/object/10331
- Yale Database: The Countess of Coningsby in the Costume of the Charter Hunt
  http://collection.britishart.yale.edu/id/object/10365
- Yale Database: Costume Study for a Portrait of a Man
  http://collection.britishart.yale.edu/id/object/17582
- Yale Database: Costume Study of a Lady
  http://collection.britishart.yale.edu/id/object/14114
- Yale Database: Study of a Gentleman in 17th Century Costume
  http://collection.britishart.yale.edu/id/object/15103
- Yale Database: Figures in Totemic Costume and Totemic Pole, Number 149
  http://collection.britishart.yale.edu/id/object/29671

Courtesy: Dominic Oldman @ British Museum, Research Space
YCBA Linked Open Data

• Connecting Internal YCBA objects in this case Painting with its Frame

Miss Prue + Frame = Aggregate Object

• Connecting any object in YCBA collection easily as you write and speak about the objects

• Editor that supports linked data annotation

• Also take existing texts, Exhibition Catalogs and extract relationships between objects (will need verification)

• Allow the public to make connections (will need verification)
Relationship Builder
programmed by Daniel A.
Electronic Greeting Cards
programmed by Iyob G.
Exhibition Objects
programmed by Daniel A.
Subject Maps
programmed by Daniel A.

Search object on a map

“Linked Open Data, end-users, and applications” by Lec Maj @ AAC LOD 2013
Linked Data Tools

- Data verification from crowd-sourcing efforts as in curators or Mechanical Turk or Facebook
- Replace the traditional Collections Management System with web based interactive tools
- Embrace new tools as Drupal, Wordpress, etc. for cataloging
Research Space

Dominic Oldman, British Museum
What others are doing?

Facebook:

Google+: