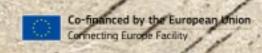
Zelfportret met baret en opengesperde ogen 1630-1700, Rijksmuseum Netherlands, Public Domain

MODELLING AND EXCHANGING ANNOTATIONS FOR EUROPEANA PROJECTS

Hugo Manguinhas, Antoine Isaac, Valentine Charles, Sergiu Gordea, Maarten Brinkerink, Alessio Piccioli, Breandán Knowlton SWIB15: Semantic Web in Libraries



Why are annotations useful?

- For users, a means to...
 - Contribute with their knowledge
 - Discuss and share their knowledge with others
- For Cultural Institutions, a new way and opportunity to...
 - Improve the overall quality of their data
 - Contribute to a better semantic description
 - Link to the web of data



Annotations Landscape within Europeana Network

- PATHS project
 - Automatic semantic enrichments
- DM2E
 - Scholarly annotations
 - Using the Pundit toolset (<u>http://thepund.it/</u>)
- SEALINCmedia
 - Expert annotation "nichesourcing"
 - Developed the Accurator tool (<u>http://rma-accurator.appspot.com/</u>)
- Europena Creative

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• Pre-alpha version of the AnnotationsAPI

- Europeana 1989
 - Annotations in HistoryPin.org

Europeana V3

- Roundtripping of annotations with HistoryPin.org
- Europeana Food&Drink
 - Annotations in HistoryPin.org
 - Ongoing...

Europeana Sounds

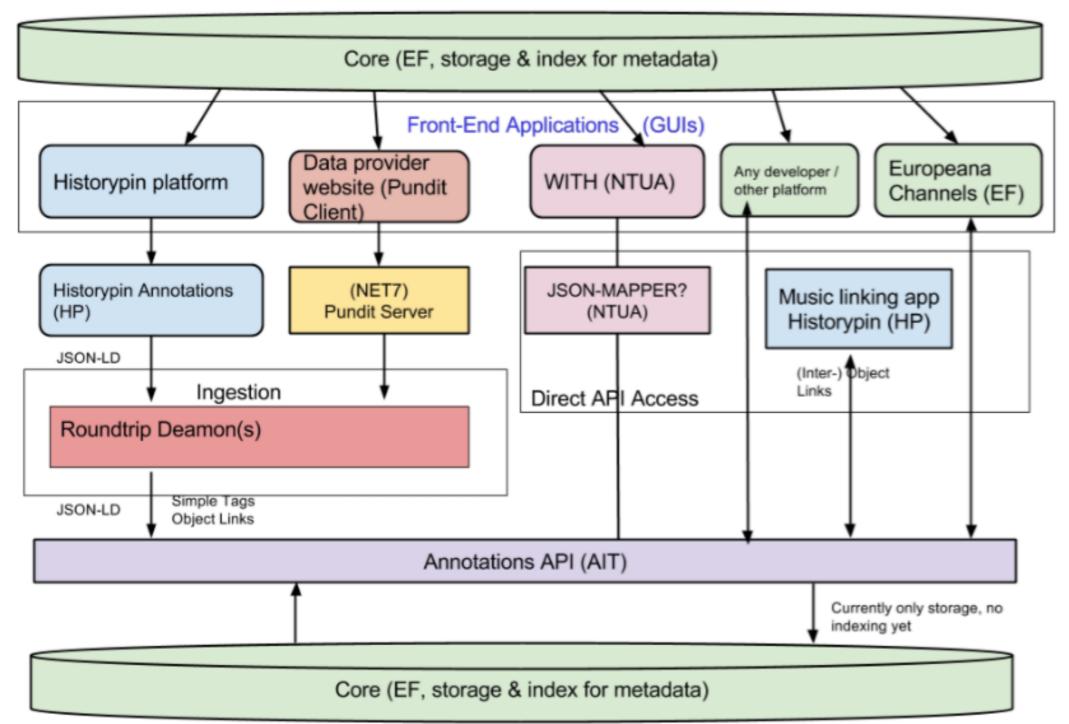
- Wider range of user scenarios for annotations
- Ongoing...

Annotation Scenarios in eSounds

- A user annotates a Cultural Heritage Object, in particular...
 - Information describing the object
 - Contextual information
 - Media resources representing the object
- In order to...
 - Comment and discuss with other users
 - Tag with terms from controlled vocabularies
 - Relate them together
 - Complete or correct information
 - Favour or moderate annotations made by other users



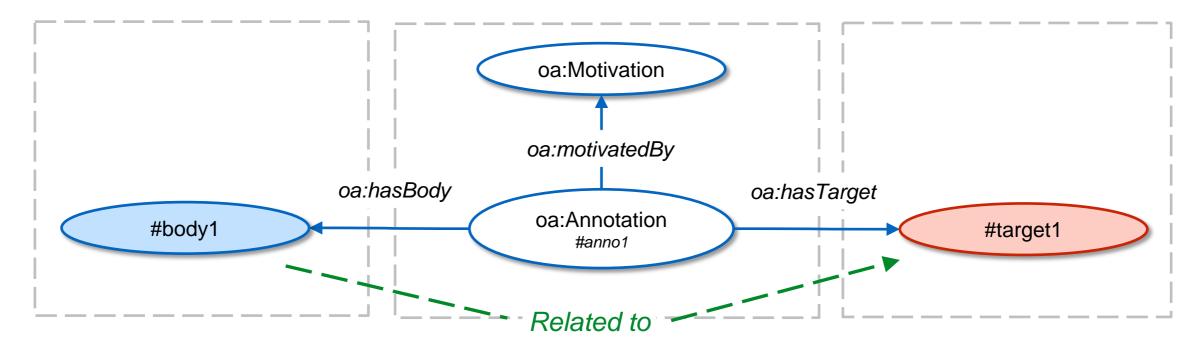
Overview of the Architecture eSounds





Modelling Annotations interoperability across platforms

- We adopted the W3C Web Annotation Data Model (<u>http://www.w3.org/TR/annotation-model/</u>)
 - presented also at SWIB last year!
- Based on RDF and defines JSON-LD as default serialization format
- Offers a simple model for exchanging annotations across platforms ... but flexible enough to support complex scenarios
- Still in its early stages of design and adoption

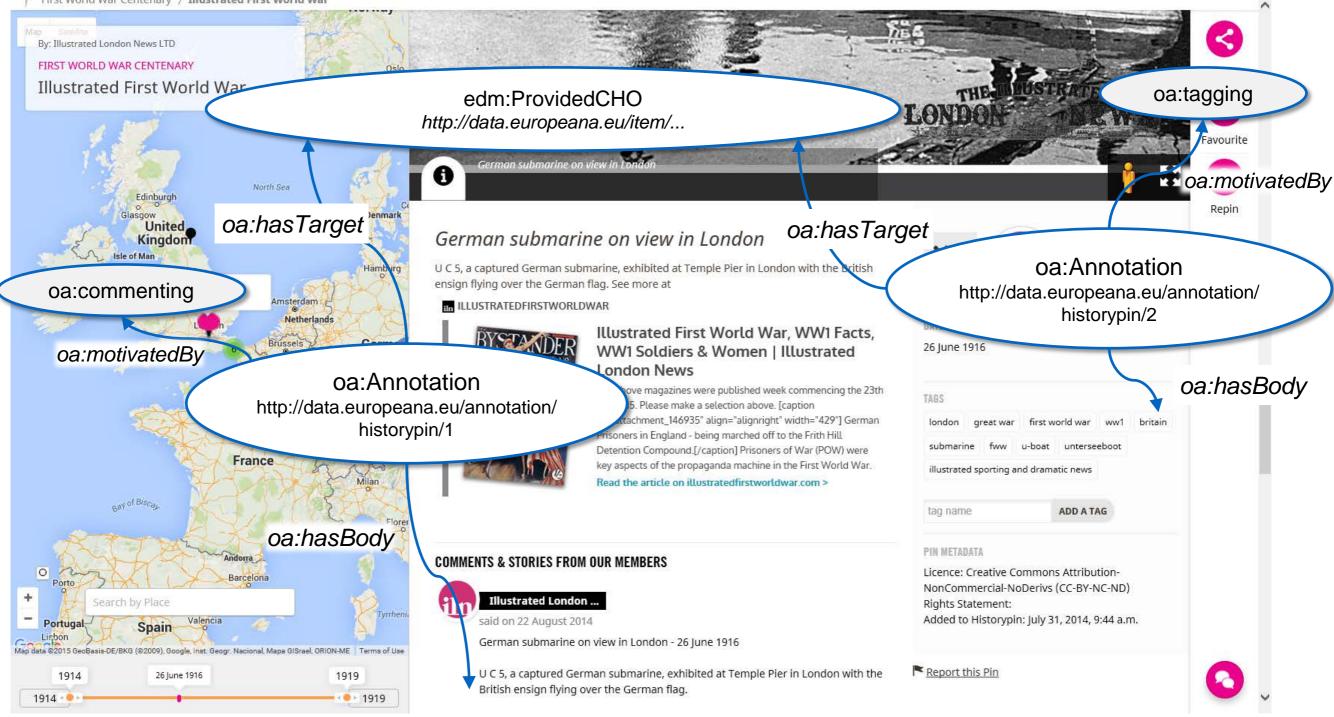




Commenting and Tagging HistoryPin.org

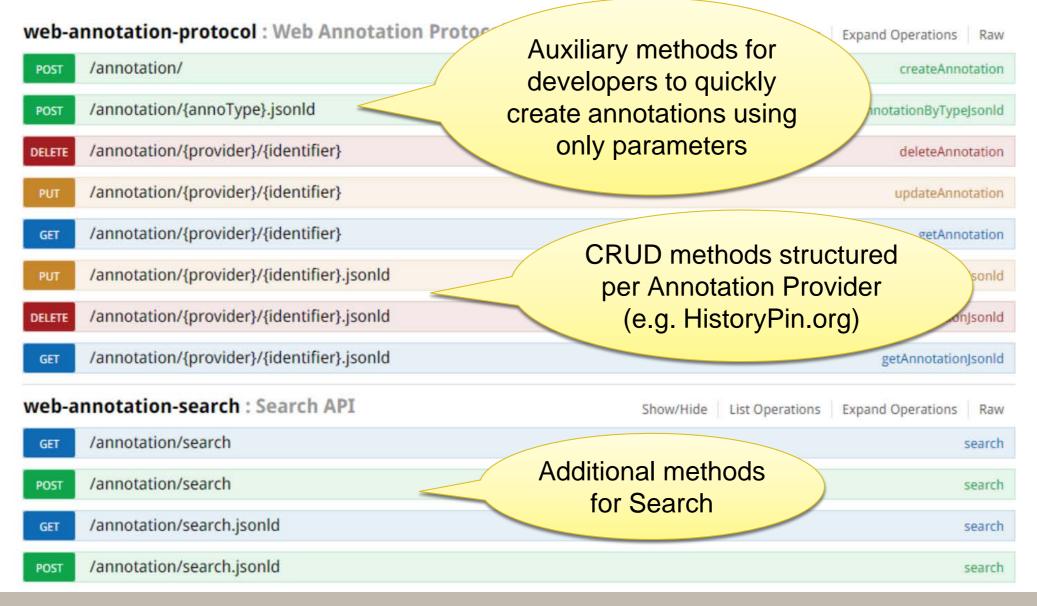
First World War Centenary > Illustrated First World War

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Annotations API

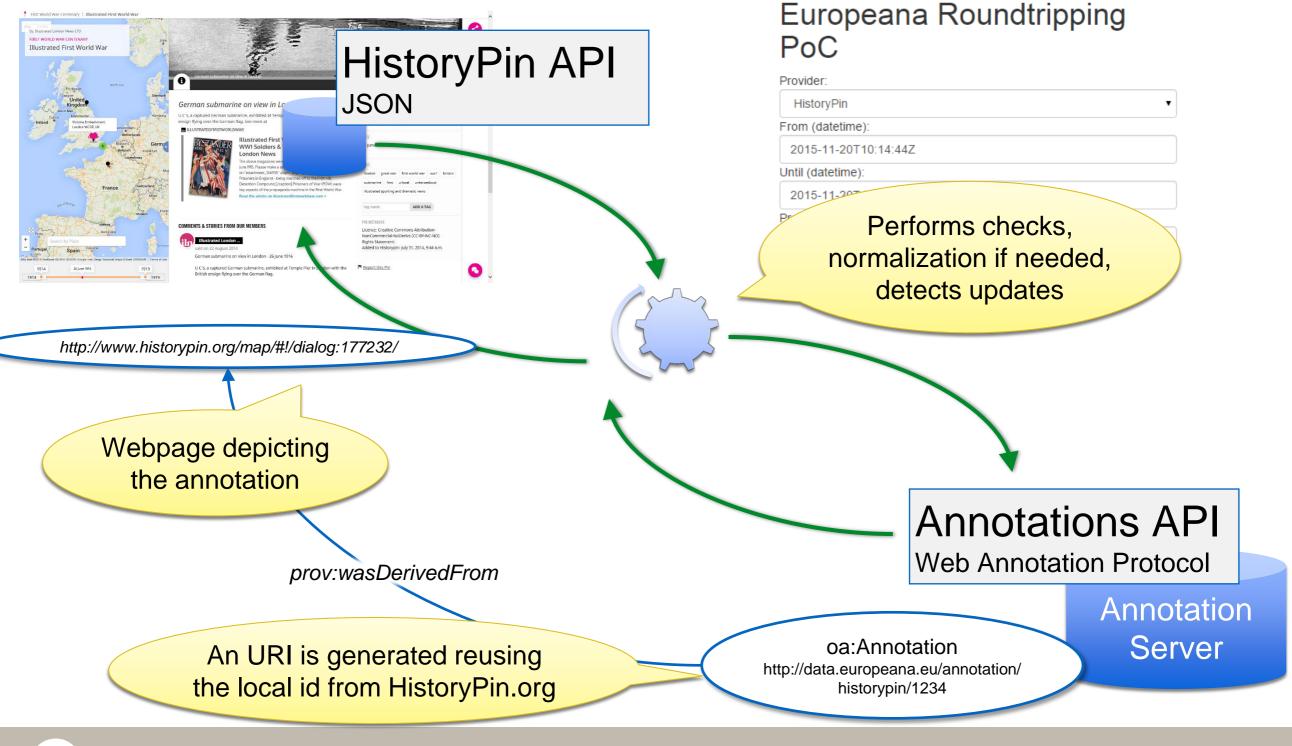
- Adopts the W3C Web Annotation Protocol (<u>http://www.w3.org/TR/annotation-protocol/</u>)
- Backend developed using MongoDB and Solr
- Alpha version at: <u>http://test-annotations.europeana.eu/</u>



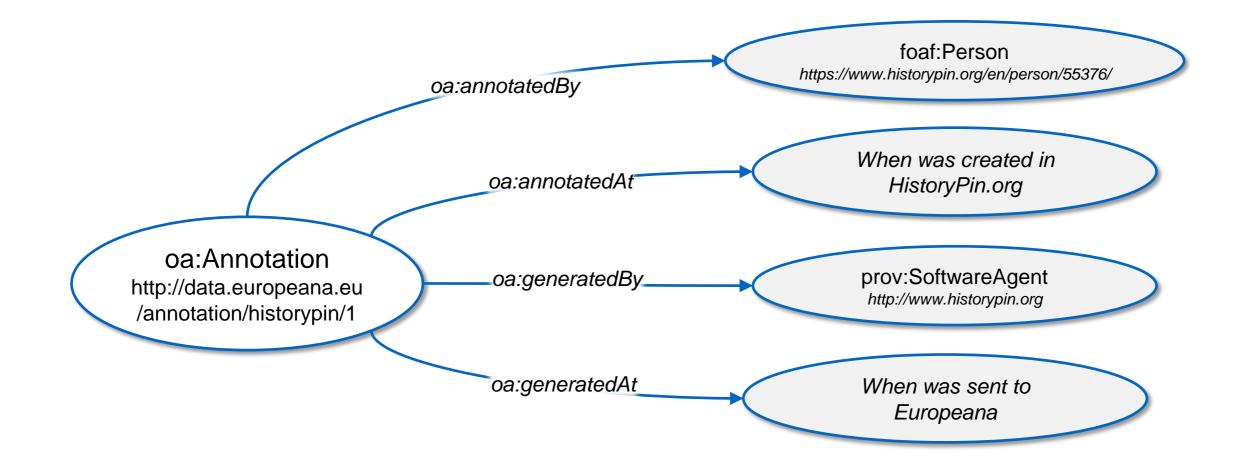
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Exchanging Annotations with HistoryPin.org

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Capturing Provenance for HistoryPin.org

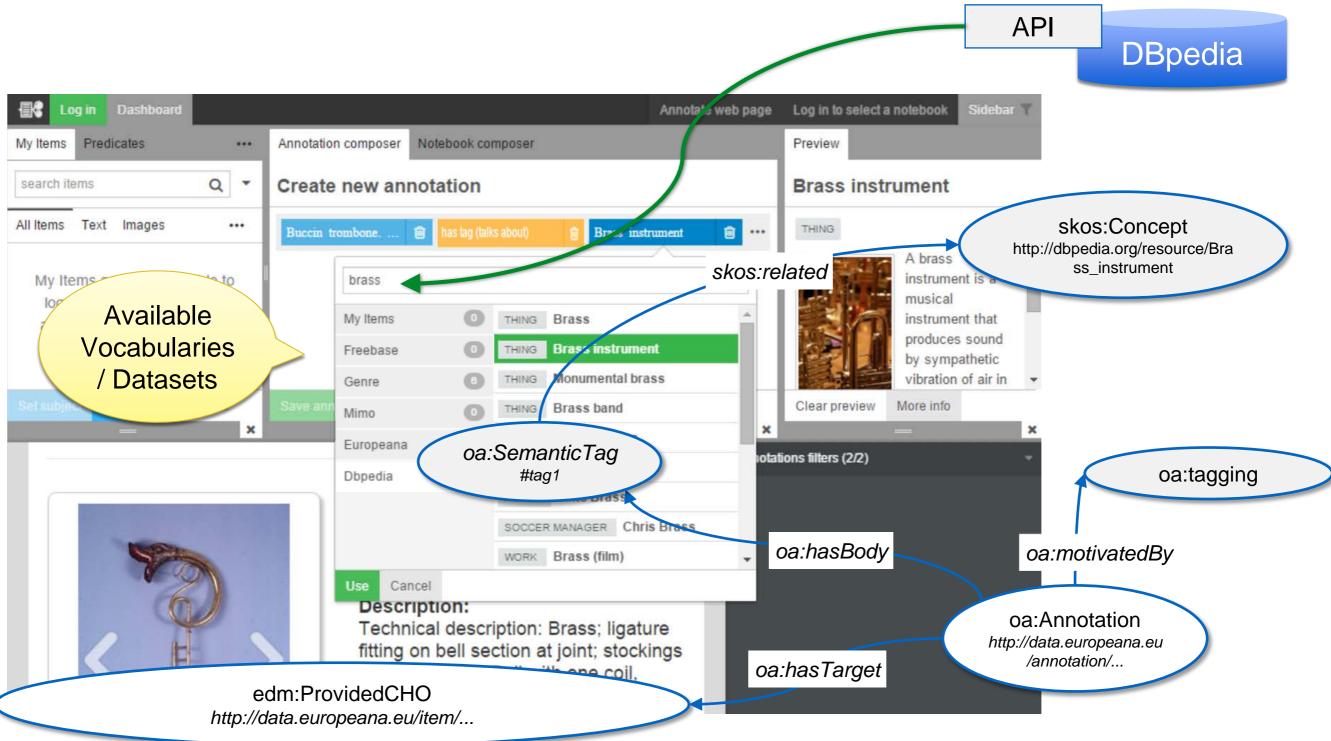




A concrete annotation from HistoryPin.org

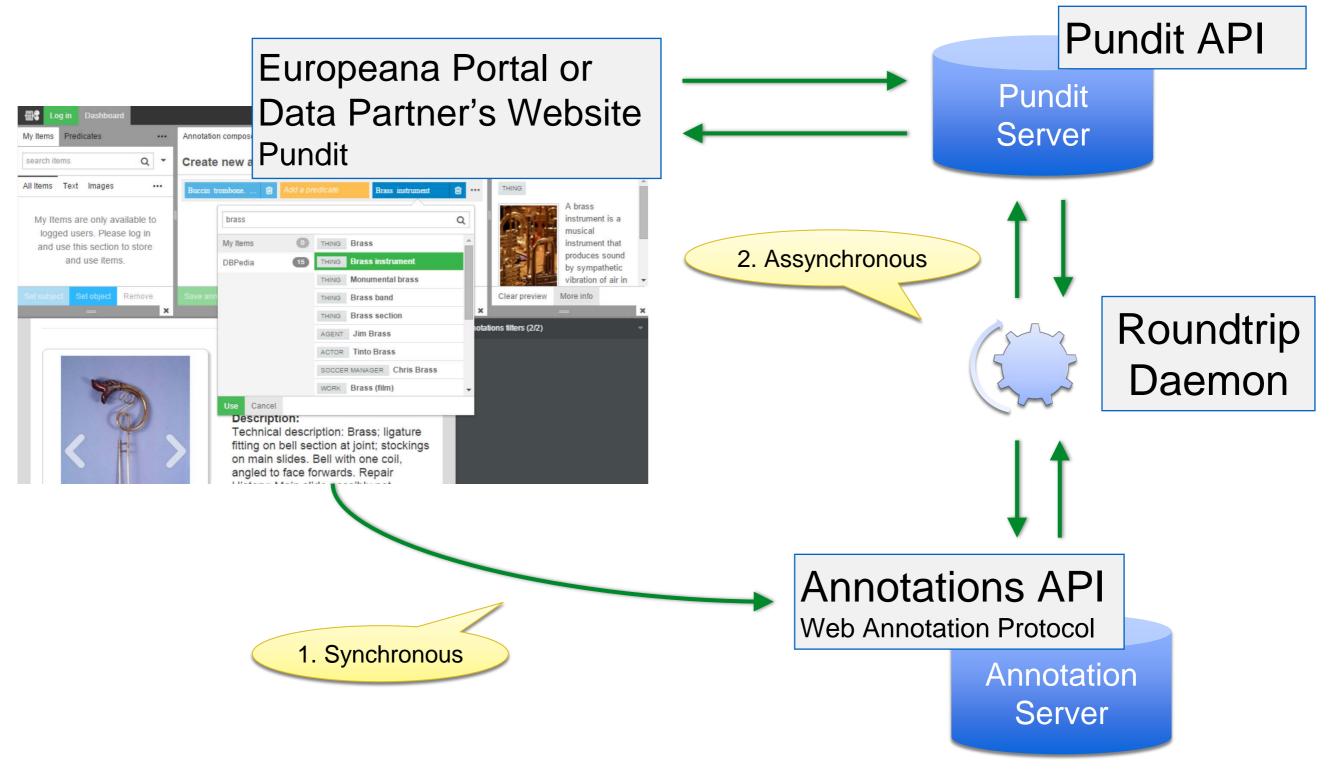
```
"@context": "http://www.w3.org/ns/oa-context-20130208.json",
  "@id": "http://test-annotations.europeana.eu/annotation/historypin/136290",
  "@type": "oa:Annotation",
  "annotatedAt": "2015-02-27T12:00:43",
"annotatedBy": {
      "@id": "https://www.historypin.org/en/person/55201/",
      "@type": "foaf:Person",
      "name": "Lise Schauer"
  },
  "body": "bus",
  "motivation": "oa:tagging",
  "serializedAt": "2015-02-28T13:00:34",
v "serializedBy": {
      "@id": "https://www.historypin.org/en/person/55201/",
      "@type": "foaf:Person",
      "name": "Lise Schauer"
  "target": "http://data.europeana.eu/item/9200257/BibliographicResource 3000055619928"
```

Taggging with Controlled Vocabularies with Pund.it



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Exchanging Annotations with Pund.it

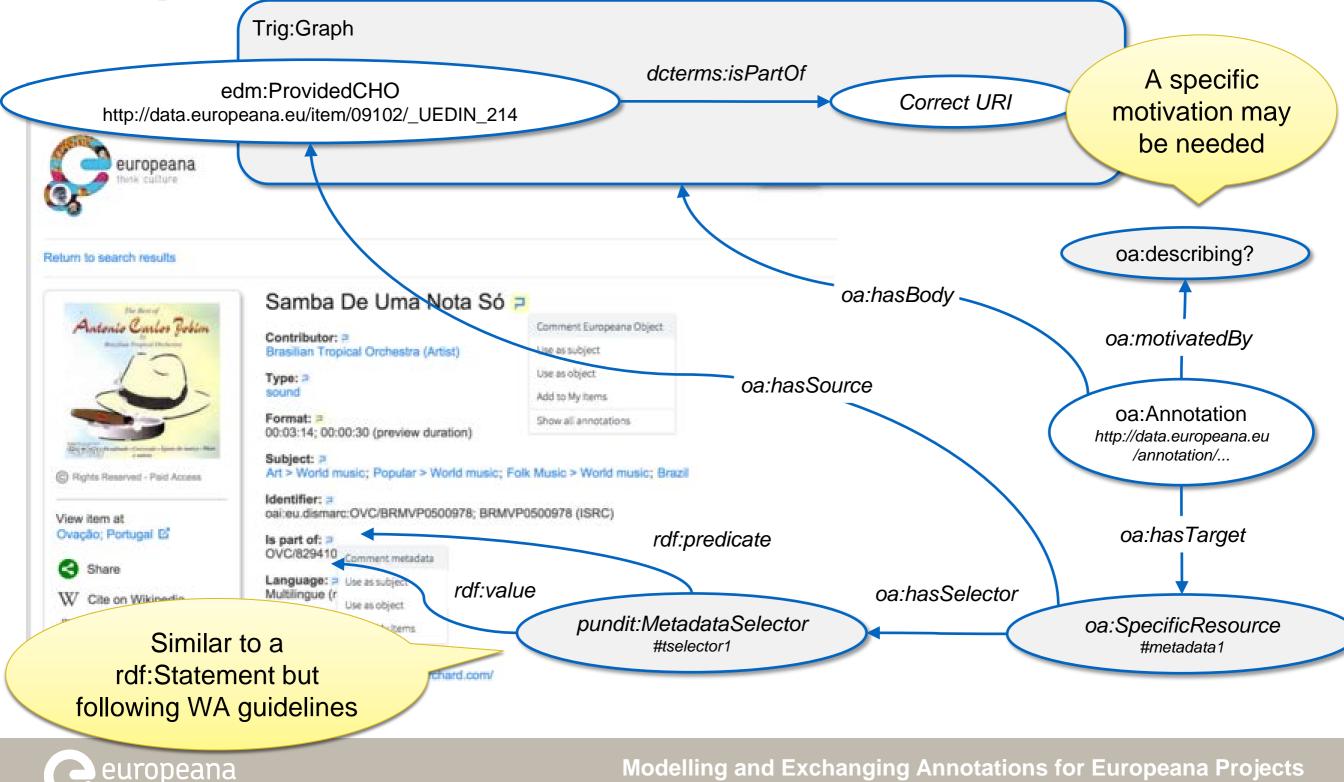


Modelling Metadata Annotations A proposal

- We consider metadata annotations as...
 - any annotation that refers to or asserts a statement to the information describing an object in order to complete or correct it
- Ideally, and like other annotations, they should be
 - agnostic to the way they are presented to the user in the interface
 - machine readable
- So that metadata annotations can
 - survive changes to the interface design;
 - allow them to be easily shared outside the interface they were originally created;
 - allow for other software applications to take further advantage of it



Modelling Metadata Annotations Proposal for a correction



wrapping up...

- Representing and exchanging annotations is relevant for many applications in the Europeana Network
 - ... it is still work in progress
- On modelling...
 - W3C Web Annotation Data Model gives a good interoperable base
 - Need for best practices for specific applications / domains to ensure consistency across platforms
 - i.e. for metadata annotations
- On exchange...
 - Web Annotation Protocol has just been release
 - Support for more methods is essential (i.e. search)
 - Still needs to mature and achieve wider adoption



The Wardens of the Amsterdam Drapers' Guild, Known as 'The Syndics' Rembrandt Harmensz. van Rijn 1662, Rijksmuseum Netherlands, Public Domain

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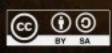
#AllezCulture

Thank you!



🈏 @EuropeanaEU

25 November 2015



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