

Linked Data at the Science Museum

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The Science Museum in London, along with commercial agency, Cogapp, have recently embarked on a project to convert their information to linked data format.

Data has been consolidated from a variety of internal and public-facing systems, including:

- Collections management system (MultiMimsyXG)
- Digital Asset Management (iBase)
- Archive Management (AdLib Archive)
- Web Content Management (Sitecore CMS)

So far, the focus has been on providing a consolidated representation of these disparate data sources, by converting items to linked data format, and storing them in a triple store (Apache Jena/Fuseki). This will then be used as a single data source to drive the information displayed on a new area of the Science Museum's web site.

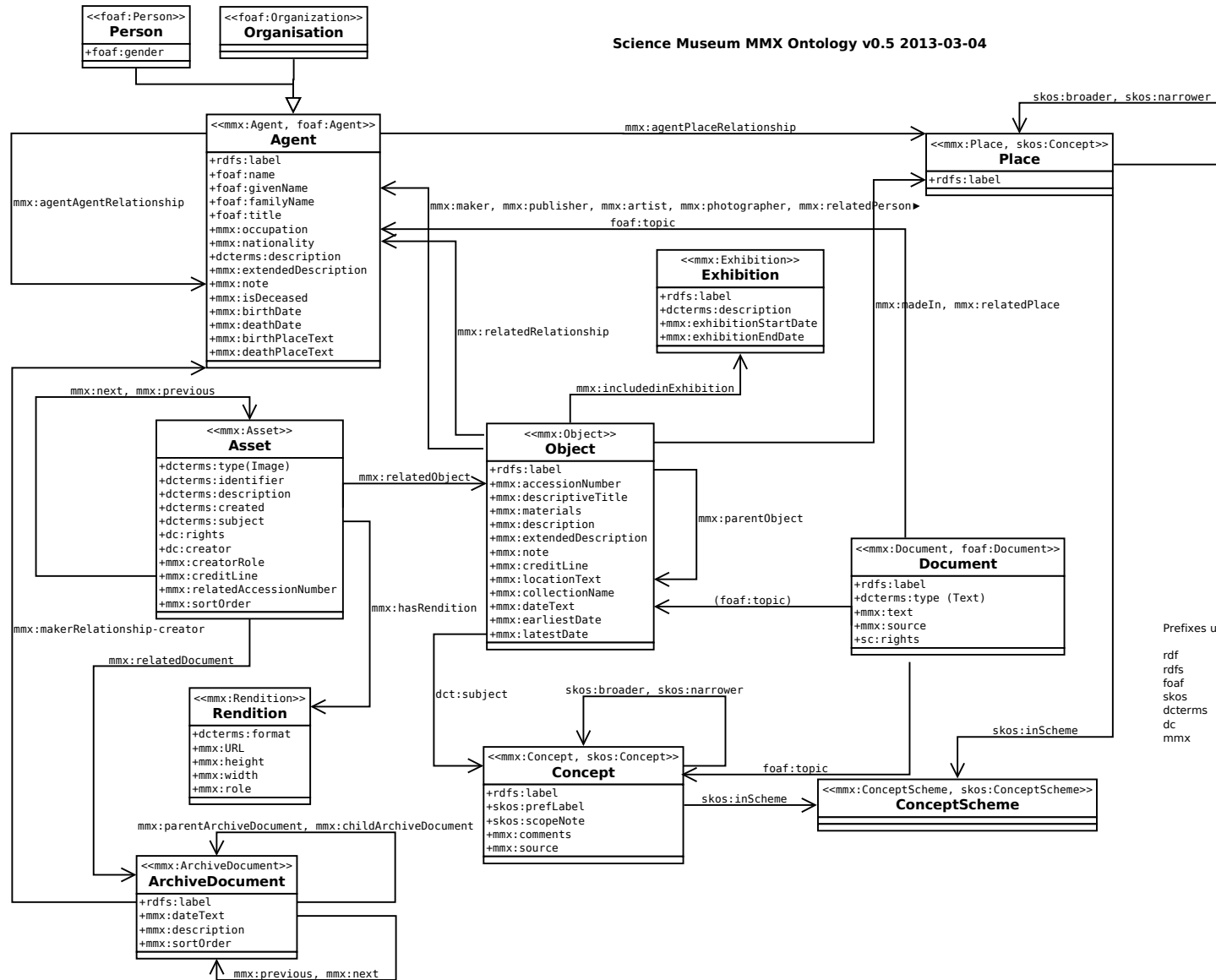
As such, in its first incarnation, the raw data is still private rather than public. However, the museum is keen to investigate the possibility of releasing this data set as Open Linked Data, and a key aim of this workshop would be to get advice about the best ways of doing this.

In particular, we would hope to find out more about areas such as:

- methods of publication (RDFa, dereferenceable URLs, hosted triple stores, etc.)
- data model design (i.e. reusing common ontologies or modelling patterns)
- increasing compatibility with domain-specific models such as the CIDOC CRM
- enabling data reuse (discoverability, linking to external URIs)
- copyright issues (e.g. referencing non-CC0 content; embedding copyright statements)

For reference, the current data model is given on the following page. 'mmx' is the prefix given to the Science Museum's URI scheme, provisionally 'http://data.sciencemuseum.org.uk/def/ontology/'. All other prefixes are those from common ontologies.

Science Museum MMX Ontology v0.5 2013-03-04



Prefixes used:
 rdf
 rdfs
 foaf
 skos
 dcterms
 dc
 mmx