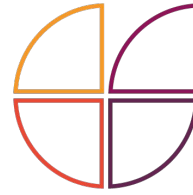


**Digital
Scholarship**
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DEPARTMENT OF
**ENGINEERING
SCIENCE**



Oxford
e-Research
Centre



UNIVERSITY OF
OXFORD

Linked Art in Practice using Jupyter Code Notebooks

Connecting Cultural Heritage Collections Data

Webinar, 3 May 2022

Oxford e-Research Centre



Arts and
Humanities
Research Council

Linked Art II: AHRC project reference AH/T013117/1

Welcome

Kevin Page

University of Oxford e-Research Centre

Principal Investigator, Linked Art II

Digital Scholarship at Oxford

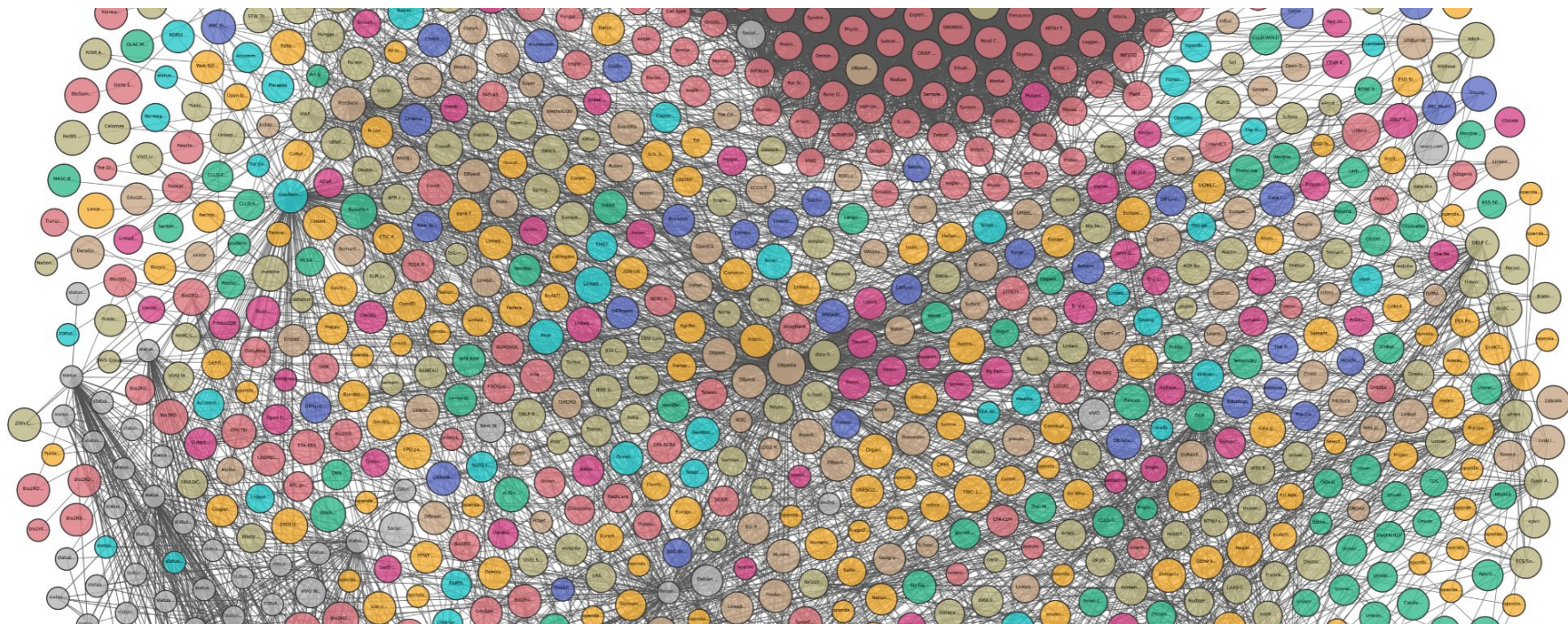
Alwyn Collinson, Katherine Dickinson

Tanya Gray - *Linked Art II Research Software Engineer*



Pompeii Exhibition © Emily Jarrett / Ashmolean Museum, University of Oxford

What is Linked Data?



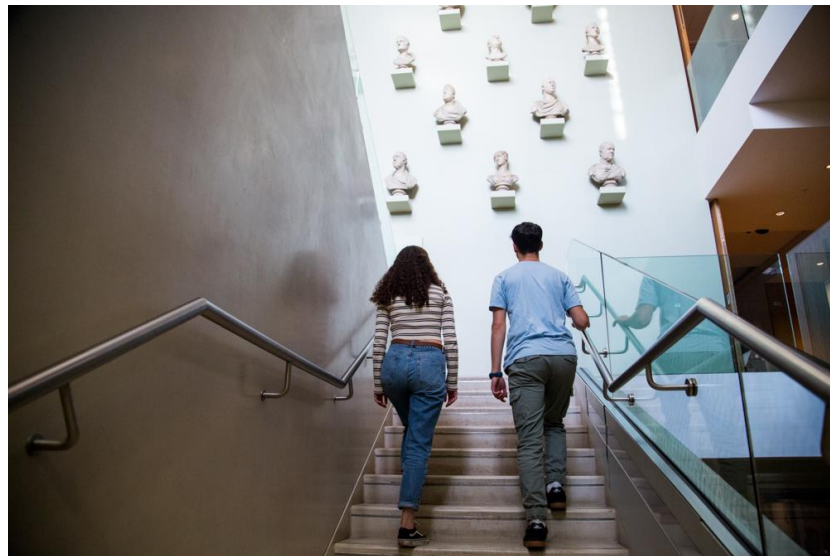
The Linked Open Data Cloud from lod-cloud.net

What is Linked Art?

Linked Art is... a collaboration

We are developing Linked Art to:

- fulfil the mission of cultural heritage institutions by sharing knowledge to further research and access
- improve discovery, leveraging connections between collections
- enable better research which can take account of interlinked information
- build a global context in which to tell the stories of our objects
- develop a common approach through a collaborative process and shared solutions based on real data and needs



© Ashmolean Museum, photograph by Emily Jarrett

Linked Art is... a community

Linked Art Editorial Board

Participants from: the Rijksmuseum, National Gallery of Art (US), Yale University, Princeton, Takin.solutions, University of Zurich, Academia Sinica, Metropolitan Museum of Art, American Numismatics Society, ETH Zurich, Europeana, Frick Collection, National Gallery (UK), Canadian Heritage Information Network, J. Paul Getty Trust, Indianapolis Museum of Art at Newfields, University of Oxford, V&A, Philadelphia Museum of Art, Leuphana University Lüneburg, Smithsonian, University of the Arts London

Linked Art CIDOC Working Group

Co-chairs: Rob Sanderson (Yale University)
Emmanuelle Delmas-Glass (Yale Center for British Art)
Athanasios Velios (University of the Arts London)

Implementations and deployments

Other ways to engage: mailing list, slack,
github issues *via* <http://linked.art>



Linked Art is... research at Oxford

Linked Art Research Network

PI: Kevin Page, University of Oxford. Co-I: Rob Sanderson, Yale University.

Linked Art II: Developing Community, Practice, and Scholarship

PI: Kevin Page, University of Oxford. Co-I: Rob Sanderson, Yale University.

Enriching Exhibition Scholarship

PI (UK): Clare Llewellyn, University of Edinburgh. PI (US) Peter Leonard, Yale University.
Co-Is: Kevin Page, University of Oxford; Aruna Bhaugeerutty (Ashmolean);
Andrew Shapland (Ashmolean); Emmanuelle Delmas-Glass (Yale Center for British Art);
Yer Vang-Cohen (Yale Art Gallery).



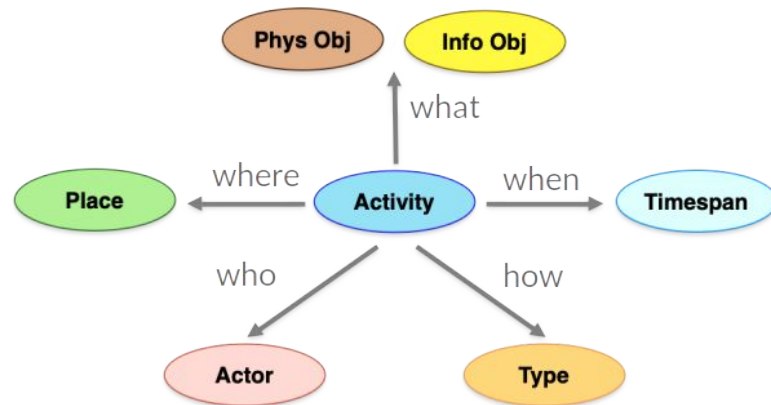
NATIONAL
ENDOWMENT
FOR THE
HUMANITIES

This webinar presents work by the Linked Art II project at the University of Oxford (Principal Investigator: Dr. Kevin Page, Oxford e-Research Centre) funded by the UK Arts and Humanities Research Council (AHRC project reference AH/T013117/1).

Linked Art is... a data model and API

Linked Art is a usable, standards-based way to describe cultural heritage, providing museums with a shared data model:

- an activity-centric metadata profile based on the CIDOC CRM
- informed by lessons from past Linked Open Data initiatives
- an API with recurrent principles, providing as JSON-LD
- easily understood by developers - Linked Open Usable Data



Rob Sanderson, robert.sanderson@yale.edu



Linked Art is... a data model and API

5 “Main” Entity Types

Human Made Object

A distinct physical thing that could be touched

Linguistic Object

Content in a human language that could be read/heard

Visual Item

Content with an identified appearance that can be seen

Digital Object

A digital thing that exists on a computer

Set

An identifiable grouping of zero or more entities

5 “Connected” Entity Types

Person

A human, dead or alive

Group

One or more Persons, or Groups, that act collectively

Place

A geospatial extent, describable with coordinated

Concept

A conceptual thing, often used to characterize or classify

Events, Exhibitions, Provenance

An event or activity that occurred at some point in time

Linked Art is... for you?

Code notebooks: please give them a try after the webinar!

Please complete our questionnaire: *launching soon*

- Your feedback on code notebooks
- Opportunities and challenges for Linked Art as you see them

Questionnaire responses will directly inform the next phase of the Linked Art II project, and Linked Art research in general.