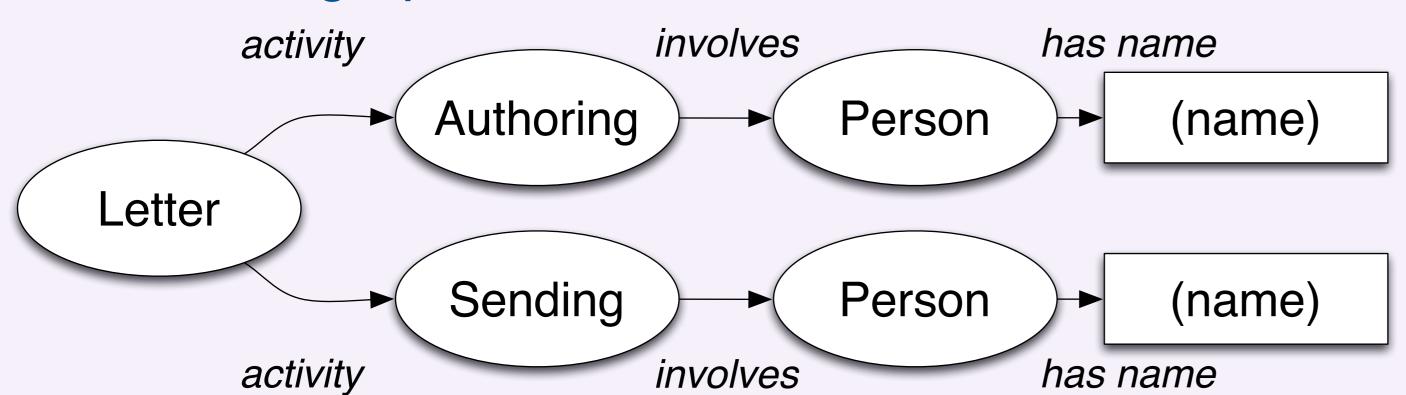
Linked data for Early Modern Letters Online (EMLO) using CIDOC CRM and Annalist

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What is linked data?

RDF: a W3C standard for data on the web

Encodes a graph data model:



Entities are named by web URIs (URLs), which can come from multiple sources

Has defined semantics for merging

Why use linked data?

Flexibility: not limited to tables, hierarchies, etc.

Sharing: publish using a standard web server

Linking: work with existing web tools and data

Self-describing: meanings of names can be discovered by querying the web

Re-use: semantic underpinnings for combining independent data, and infering new data

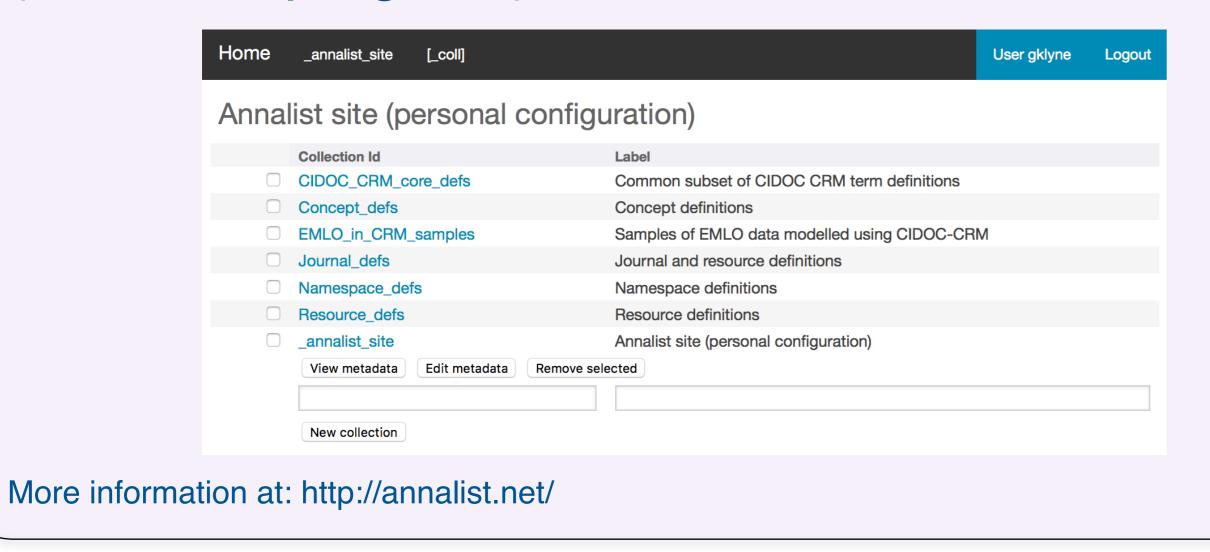
Open-ended: freedom to add new information and semantics

What is Annalist?

A "linked data notebook" for creating and sharing linked data on the web

Data models and presentation are defined though a common browser interface

(a work-in-progress)



Why use Annalist?

Aimed at making it easier for individuals and small teams to create and share linked data

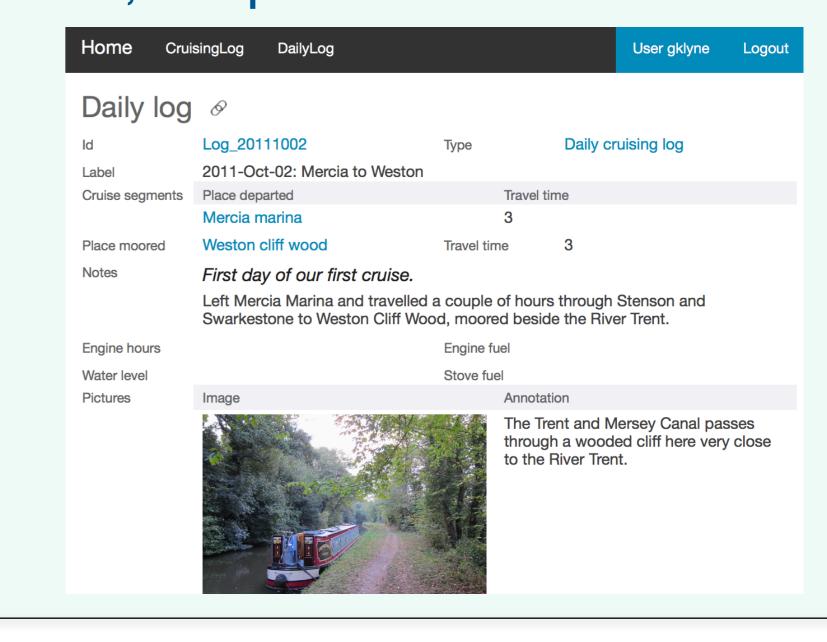
Flexible: add types and properties as needed

Sharing: web-accessible, simple data format

Mix vocabularies

Use and extend existing models and views

No programming needed



What is CIDOC CRM?

International Council of Museums (ICOM) International Committee for Documentation Conceptual Reference Model

An ISO standard framework for describing cultural heritage artifacts (and more)

"event" based model captures rich information about artifact provenance

Designed for content of museum databases

A moderately large vocabulary, but with a compact set of core concepts

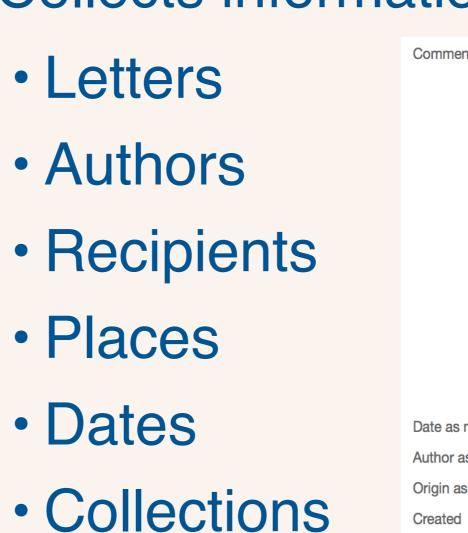
Doerr, Martin & Iorizzo, Dolores (2008). The Dream of a Global Knowledge Network - A New Approach. J. Comput. Cult. Herit., 1, 5:1-5:23. DOI: 10.1145/1367080.1367085

EMLO using CRM and Annalist

Descriptions of early modern correspondence

image_00000026

Collects information about:



4 Jan 1698: Newton, Isaac (Sir), 1642-1727 (London, England) to Gregory, David, 1659-1708 **Abstract** Enclosing a warrant to the Mayor of Oxford or some J.P. to grant out another against Robert Wood and commit him to Oxford gaol till I can send for him hither by Habeas Corpus. He hears that Wood has a brother in the University skilled in law who is likely to contend for his brother that the crime is not high treason. But I have consulted the Lord Chief Justice Holt and other Justices and we all conclude it High Treason without dispute. But let Wood's brother dispute it with us, if he disagrees. The charge to be of high treason to prevent his bailing. He reports a great fire this evening in Whitehall, running along the river on the south side of the Duke of Shrewsbury's office. Language English See also: EMLO entry for this letter Jan. 4. 1697/8 Newton, Sir Isaac, 1642-1727 Gregory, Dr. Dav. Destination as marked 4 Jan 1698: Newton, Isaac (Sir), to Gregory, David 4 Jan 1698: Newton, Isaac (Sir), to Gregory, David

Card image: 4 Jan 1698: Newton

• etc.

Example: http://dhoxss.annalist.net/ → EMLO_in_CRM_samples → List letters... → work_35372

Origin as marked

Included images

EMLO: http://emlo.bodleian.ox.ac.uk

ry it out (you will need an Internet-connected browser and a Google+ account)

- 1. Browse to http://dhoxss.annalist.net, click "Login"
- 2. Enter a short username and click on the "Google" button; respond to login prompts
- 3. You should now be able to create a new collection (enter name, description; click "New collection")
- 4. To inherit EMLO data: select your collection, click "Edit metadata", for "Parent" select "Samples of EMLO data...", then "Save"
- 5. View your collection, select "Scope all", then "List". Find and click entry "EMLO_in_CRM_Notes". Click "Set default view".