Joined up thinking: linking and sharing Science Museum collections and content

Daniel Evans & Ailsa Jenkins

9 July 2013
ISKO UK Biennial Conference
Knowledge Organization - pushing the boundaries

People, Stories & Objects

- Core museological content –
 objects, images, archival documents,
 historical narratives, biographies, key
 ideas.
- More value from our existing content
- A more effective platform for adding future content



Step 1

- Putting our core museum content on our main website
- Linking it together better







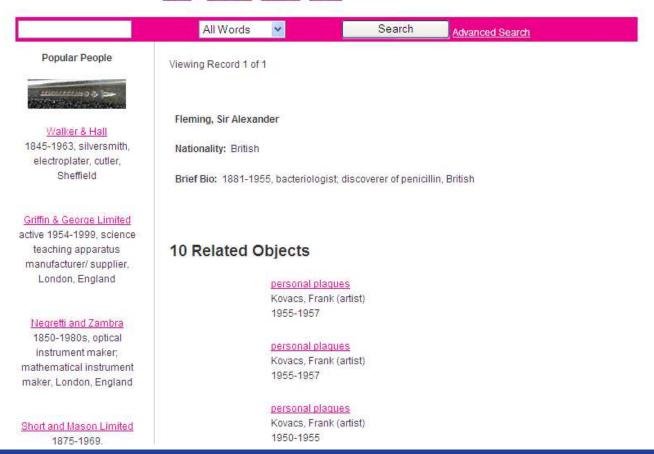




SCIENCE MUSEUM GROUP

Collections Online - People

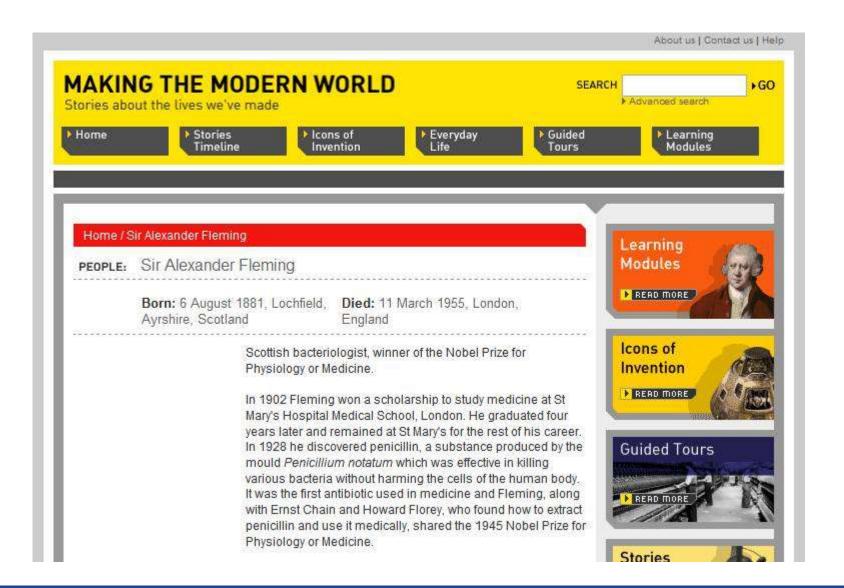
HOME OBJECTS PEOPLE LOGIN















> Advanced Search

READ

DEBATE

E | CREATE | log in her

SEARCH

GO

Discovery of penicillin

vou are here: > Home > Read



Store of penicillin flasks, 1943. Credit: NMPFT/Syndication International

cheap indeed.

For sixty years there have been debates about who should get the credit for penicillin. What balance of credit should go to Alexander Fleming, who first published an article about the antibacterial properties of the juice released by penicillin? What of Ernst Chain at Oxford, who first isolated an impure sample of the drug? Likewise, Norman Heatley, also at Oxford, who worked out the key to practical extraction, or Howard Florey, who

In 1928, the Scottish bacteriologist Alexander Fleming discovered that the mould penicillium notatum exuded a juice which stopped bacteria growing, but he could not extract a medicine from the juice. In 1940 a group at Oxford University managed to extract tiny amounts of penicillin from the mould juice and used it to cure a few patients who might otherwise have died. However, the mould was hard to grow and the juice contained very little penicillin. In the United States experts on moulds. modified the strain and the way in which it was grown. Theirs was an enormous achievement too. By D-Day in 1944 they had enabled penicillin to be made relatively cheaply and in adequate quantities. After the Second World War the new medicine was in demand all over the world. At first there was a shortage, remembered in the film The Third Man, but soon penicillin had become very







SCIENCE & SOCIETY

PICTURE LIBRARY

register | sign in | alexander fleming



alexander fleming returned 46 results.



田温 10432087 Professor Alexander Fleming, 'Discoverer of Penicillin', 1943.



电器 10432089 'Sir Alexander Fleming', 1945.



田譜 10432101 Producing penicillin, 1943.



田譜 10432102 Producing penicillin, 1943.



品。 10432106



田譜 10432108 laboratory, 1943.



風器 10432109 Sin Alexander Fleming and Mr Suchet, Professor Fleming working in his Alexander Fleming, St Mary's Hospital, Paddington, London, 1945.



母器 10432110 Bacteria paintings, 1959.



思 10432558 'Presentation to Sir Alexander



① 器 10432570 'Presentation to Sir Alexander



母語 10555282 Alexander Fleming the discoverer of Penicillin sodium salt in glass bottle,



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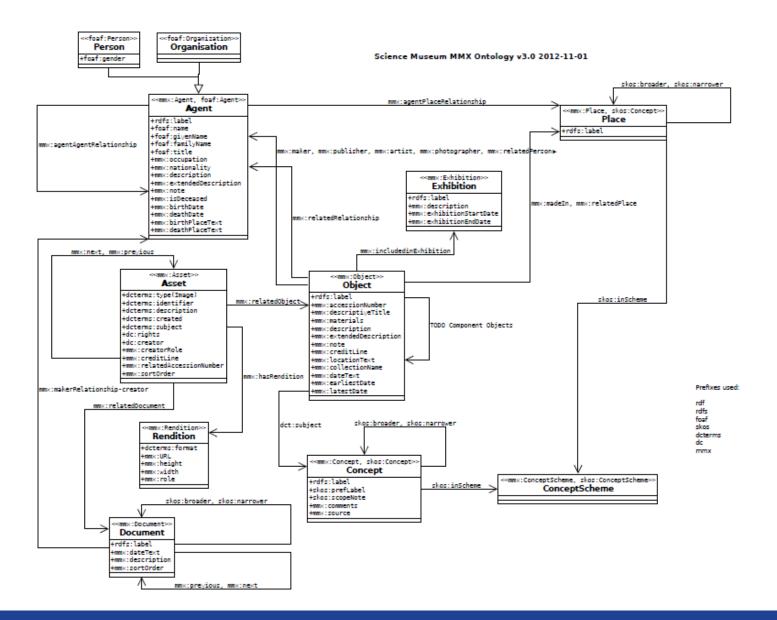
思 10290347 Glaxo crystalline penicillin and



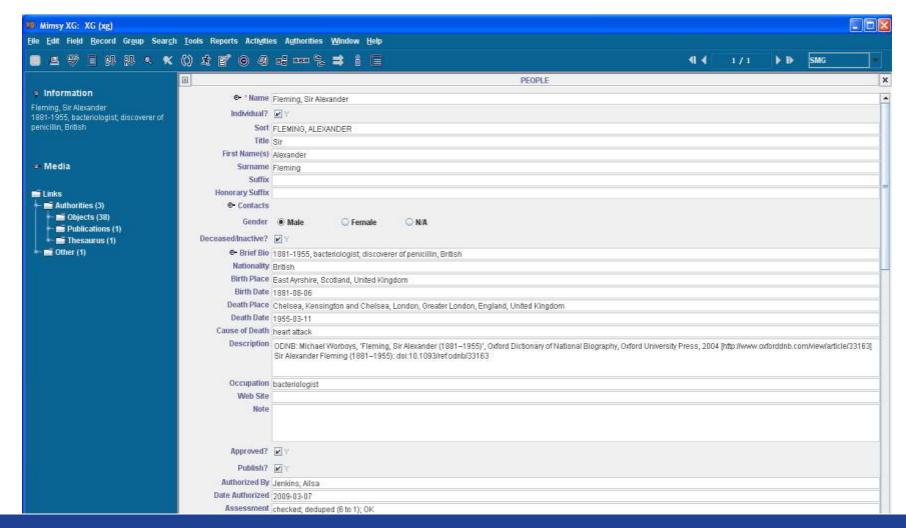
田 温 10306133

'Penicillium Mould from Professor















Context & discovery

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· Expedit record

Connected themes

Consideration Consideration and Consideration an

Connected people & organisations - showing 3 of 3







Component objects - showing 1 - 4 of NNN



















Other (in-house object name)s - ann all 70%













Discover stories & terms / people & organisations / objects in science



Fact file

About this object

Made by: [Maker] volutpat definiebas his

Made in: [Place] Tritani delenit intellegat ne has, ea qui

vitae congue delectus.

Date(s): [DateText] lorem ipsuim dolor

Made from: [Materials] lorem ipsum dolor sit amet

Acquired from: [CreditLine] Tritani delenit intellegat ne has,

ea qui vitae congue delectus.

Where is this object?

Location: [Location Text]Tritani delenit intellegat ne has,

ea qui vitae congue delectus.

Collection: [CollectionName] Tritani delenit intellegat ne has,

ea qui vitae congue delectus. Tritani delenit intelle

gat ne has, ea qui vitae congue delectus.

Object number: 1981-2206



Outcome 1

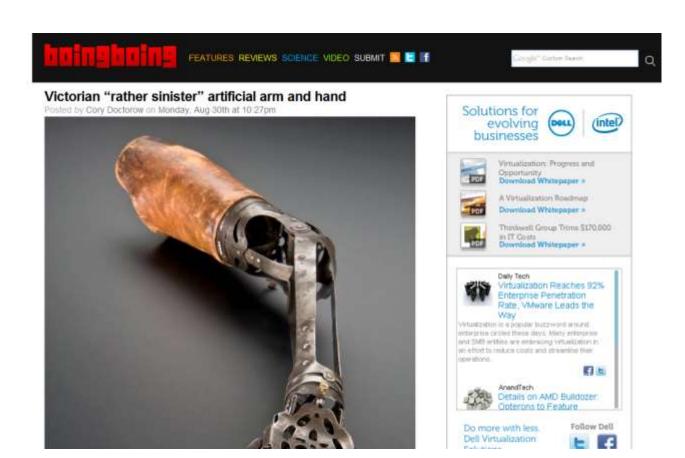
- Create a critical mass of content; compelling, coherent overall offer
- Emphasise content and the outside world: more than a catalogue



Step 2

 Open our content up to wider use and wider engagement









Anonymous

The History major in me wants to nitpick: I'm surprised the writer says that "The rather sinister appearance of the hand suggests the wearer may have disguised it with a glove." A curator should know better than to make such an assumption, as it is based on a modern standard of normalcy that directly results from our quite recent ability to properly disguise prosthetics. Before we invented efficient skin grafts and other cosmetic enhancements to prosthetic surgery, it would have been more likely for a gentleman of sufficient means to afford this piece to proudly display his mechanical limb, which his contemporaries would not have found sinister because they lacked any standard of comparison for articulated prosthetics that did *not* look like this. If I may be a hypocrite and offer my own counterassumption, I think Victorians would have found this piece to be beautiful, intricately crafted, and worthy of respect for craftsman and buyer/user alike.

08/30/2010 05:22 PM

Like





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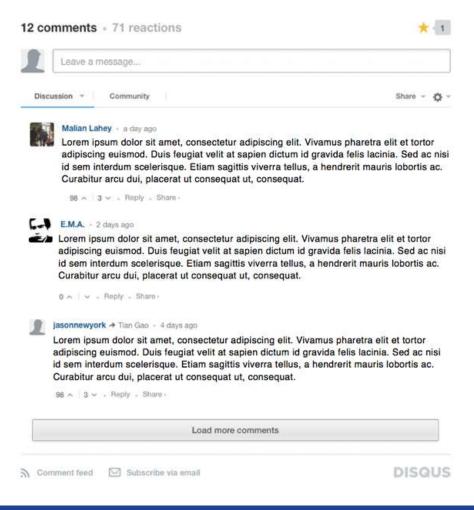








Comments: What have you found on this object that interests you?





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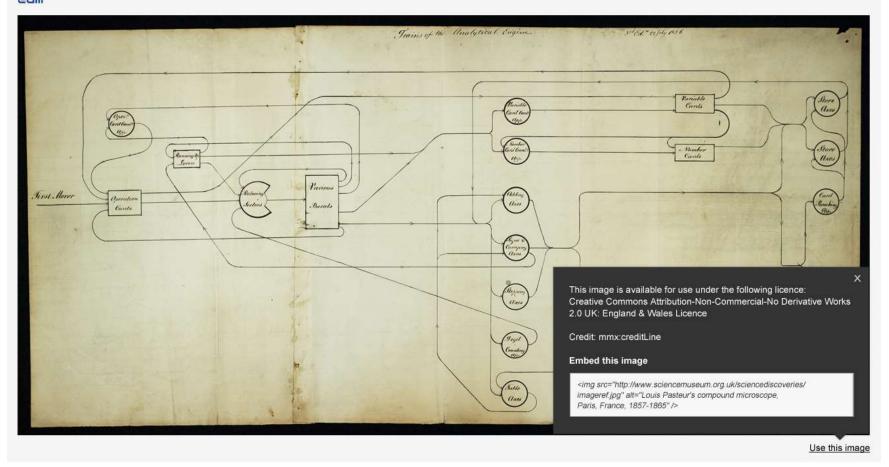


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- Place our core Museum content at the heart of our engagement with our audiences
- Make it as easy as possible for people to use our content wherever possible
- Reflect as much of this activity as possible back on the website



Step 3

- Linked data + open data
 - = Linked Open Data
- We can combine our data with other data, and re-use it in different ways
- So can others
- The possibilities are limitless...
 - ...but uncertain



Database

ID	Туре	Colour	Brand	Owner
72	Digital Watch	Blue	Rolex	96

ID	Name	Age	City
96	Daniel Evans	21	London

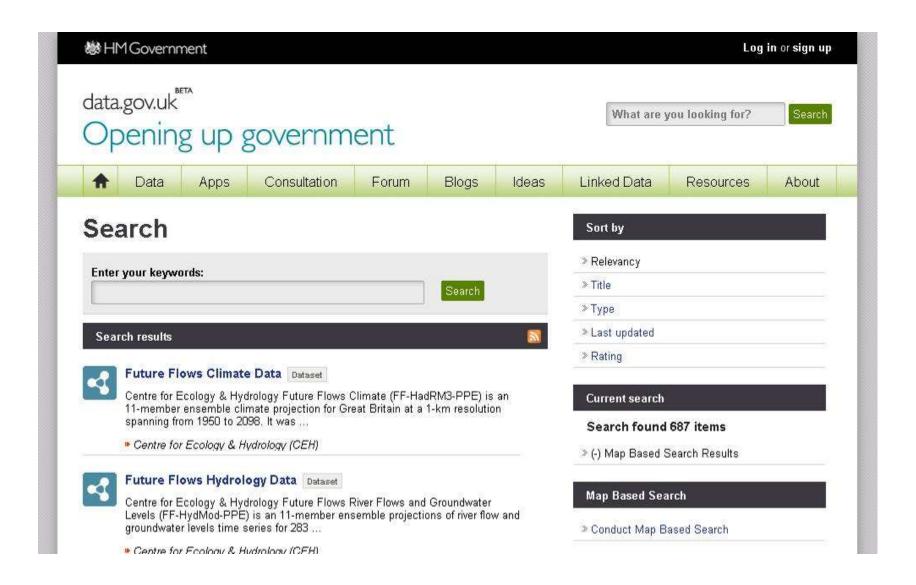
SELECT Watches_Colour from Watches, People WHERE Watches_Owner=People_ID AND People_Age = 21



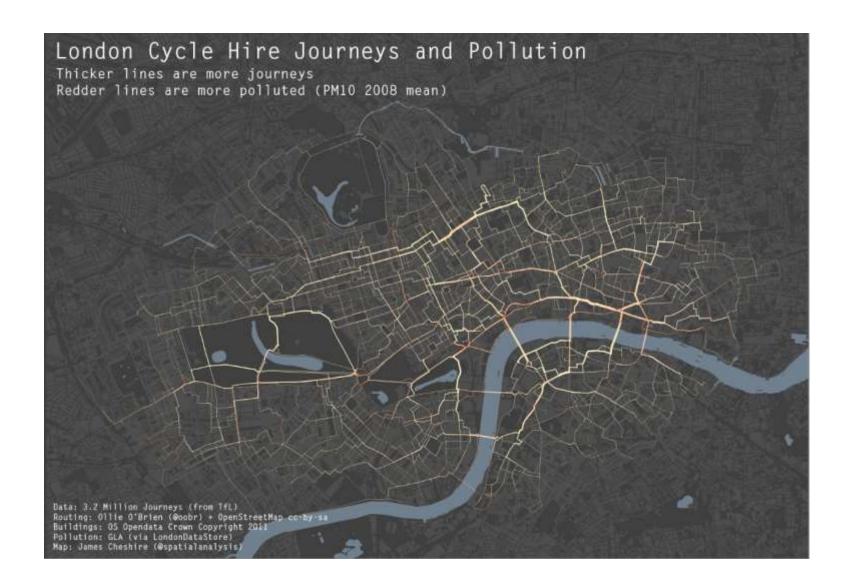
Triples

Subject	Predicate	Object
Daniel Evans	Is	96
Daniel Evans	Owns	72
72	Is	Digital Watch
72	Is	Blue
Daniel Evans	Is aged	21
Daniel Evans	Is	NW 62 85 26 X
72	Is made by	Rolex













Locah Linking Lives: an introduction

Written by Jane

We are very pleased to announce that the Archives Hub will be working on a new Linked Data project over the next 11 months, following on from our first phase of Locah, and called Linking Lives. We'd like to introduce this with a brief overview of the benefits of the Linked Data approach, and an outline of what the project is looking to achieve. For more in-depth discussion of Linked Data, please see our Locah project blog, or take a look at the Linked Data website guides and tutorials.

The benefits of Linked Data

The W3C currently has a draft of a report, '<u>Library</u>
<u>Linked Data</u>', which covers archives and museums. In
this they state that:

'Linked data is **shareable**, **extensible**, and easily **re-usable**... These characteristics are inherent in the linked data standards and are supported by the use of web-friendly identifiers for data and concepts.'

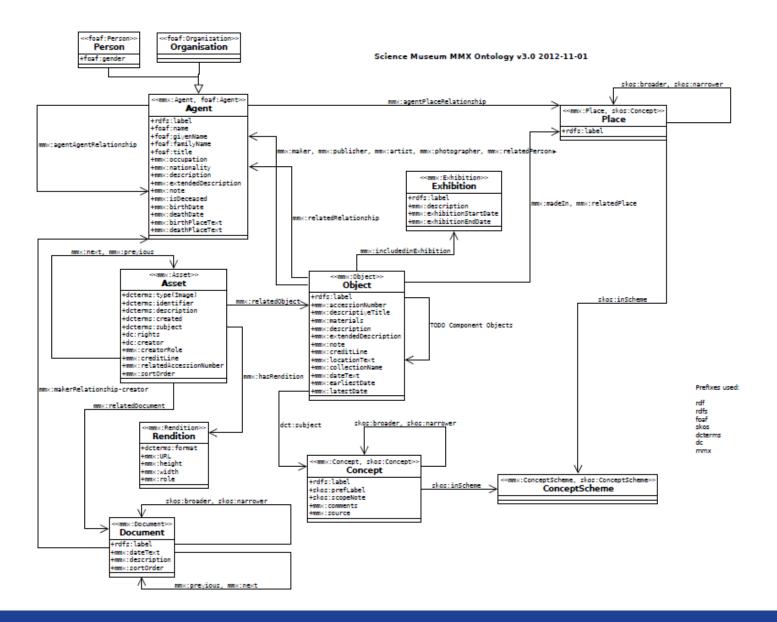
Linked Data Cloud

Shareable

One of the exciting things about Linked Data is that it is about sharing data (certainly where you have Linked

Open Data). I have found that this emphasis on sharing and data integration has actually had a positive







People, Stories & Objects

- Linking our content together better, and linking it to our brand
- Opening our content up to wider use and wider engagement
- Experimenting with what we (and others) can achieve with Linked Open Data



