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WP 2 – Linking Cultural Heritage Information

Budapest, 22nd June 2011

Background of Linked Data

- Linked = **Connections**
- Data = **Stories**

Here is a story with connections

Between:

- The UK's most popular poem: **IF** (Work)
- The **First World War** (Event)
- The **Guards Division** (Organisation)
- The fictional **Harry Potter** (Person?)
- The city of **Cologne** (Place)
- The warship **SMS Gneisenau** (Physical thing)



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IF you can keep your head when all about you
Are losing theirs and blaming it on you,
If you can trust yourself when all men doubt you,
But make allowance for their doubting too;
If you can wait and not be tired by waiting,
Or being lied about, don't deal in lies,
Or being hated, don't give way to hating,
And yet don't look too good, nor talk too wise:

.....

If you can talk with crowds and keep your virtue,
Or walk with Kings - nor lose the common touch,
if neither foes nor loving friends can hurt you,
If all men count with you, but none too much;
If you can fill the unforgiving minute
With sixty seconds' worth of distance run,
Yours is the Earth and everything that's in it,
And - which is more - you'll be a Man, my son!

Story Part 2



Story Part 3



Story Part 4



Story Part 5



Does he look familiar?

I used the **Web** and my **Knowledge**
To tell the **Stories** and make the **Connections**

BUT

Could I have had **Help**?

There is someone who thinks I can



A talk from Sir Tim

The year open data went worldwide – March 2010

[http://www.ted.com/talks/
tim_berners_lee_the_year_open_data_went_worldwide.html](http://www.ted.com/talks/tim_berners_lee_the_year_open_data_went_worldwide.html)

Linked Data Principles

Tim Berners-Lee 2007 –

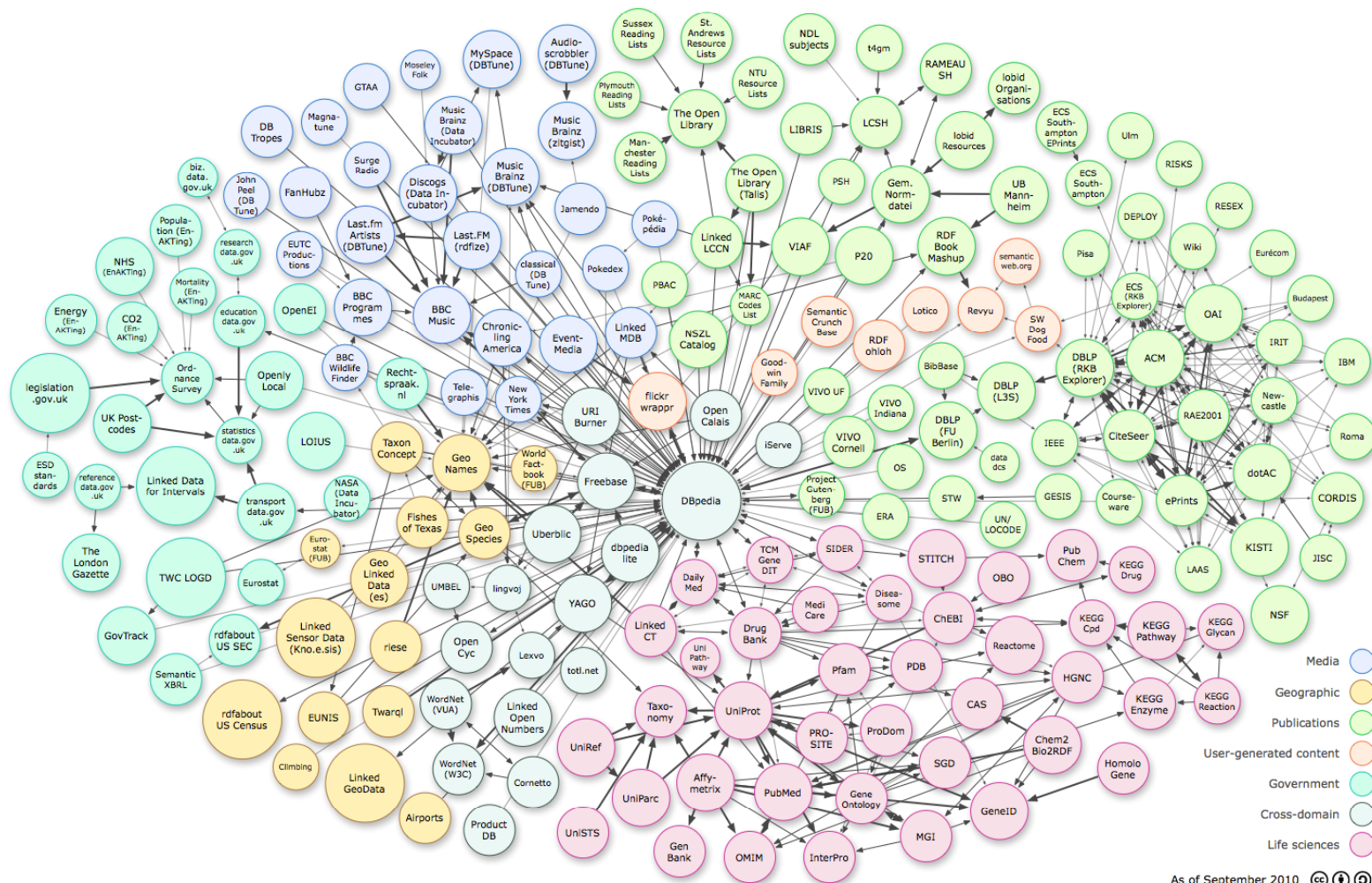
<http://www.w3.org/DesignIssues/LinkedData.html> :

1. Use **URIs as names** for things.
2. Use **HTTP URIs** so that **people can look up** those names.
3. When someone looks up a URI, provide **useful RDF** information.
4. Include RDF statements that **link to other URIs** so that they can discover related things.

Linked Data Principles – Analogy









Gordon McKenna 2011 –

1. Give things (objects, persons, organisations, places, concepts) an **address** that if the thing moves there is a **forwarding address**.
2. Make those addresses **accessible on the Web**.
3. When 'someone' visits the address give them something they can use.
4. In the something give addresses for **related things** ⇒ **Cloud**.



Culture Grid 'Hack Day'

colour palette autogen

							
Colour RGB: 100,135,10 Hex: 64870a	Colour RGB: 149,165,58 Hex: 95a53a	Colour RGB: 132,165,31 Hex: 84a51f	Colour RGB: 214,211,217 Hex: d6d3d9	Colour RGB: 216,232,144 Hex: d8e890	Colour RGB: 89,121,9 Hex: 597909	Colour RGB: 121,152,23 Hex: 799817	



Use – *Hack4Europe*

<http://gajewski.tv/hack4europe/>

Linked Heritage Work Package 2

- To explore the **state of the art in linked data**;
- To identify **appropriate models, processes and technologies** for the **deployment of linked data**;
- To consider how **linked data practices** can be applied to **cultural heritage**;
- To explore the **state of the art in persistent identifiers**;
- To identify the **most appropriate approach to persistent identification**;
- To design a **feasibility model** and to realise [in] a **demonstrator** of a 'linked data enabled' cultural heritage information;
- To explore the **state of the art in cultural metadata models**;
- To outline the **potential benefits** to Europeana, and to the others.

1. Carry out **research** – What exists, survey
2. Make an **analysis** – Look for patterns and trends.
3. Give **simple advice** – practical and implementable
4. Reuse or create **tools** – Easy to use, audience relevant, adaptable open licence (e.g. Multilingual versions possible)
5. Identify **further needs** – Leading to further work

So watch the website

Thank you!

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