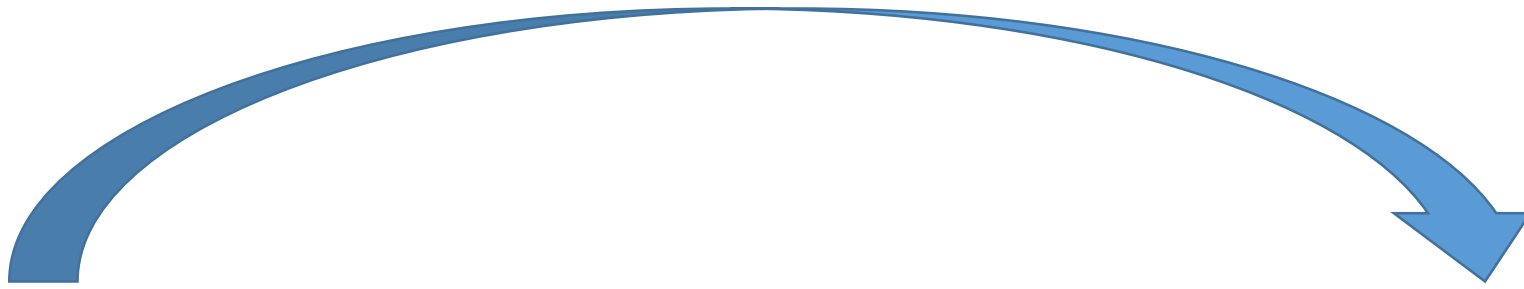




LIBRARIES AND LINKED DATA

Ina van der Merwe



Taken from slideshow: Ruga, Charro. 2014
Card catalog/elementary

The Library of Congress >>

 **LIBRARY OF CONGRESS ONLINE CATALOG**

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DATABASE: Library of Congress Online Catalog

Basic Search [Guided Search](#)

Search Text:

Search Type:

- Title*
- Author/Creator Browse
- Subject Browse**
- Keyword*
- Command Keyword*
- Call Number Browse (LC Class)
- Call Number Browse (Other)
- LCCN-ISBN-ISSN*
- Series/Uniform Title Browse
- Author/Creator Sorted by Title

[*] indicates search limits available

Scroll down for Search Hints

25 records per page

Taken from Library of Congress Online Catalog, Feb 2019

MARC (Machine Readable Cataloging)

MARC21 is a format for encoding information so that computers can read and interpret the data in a cataloguing record

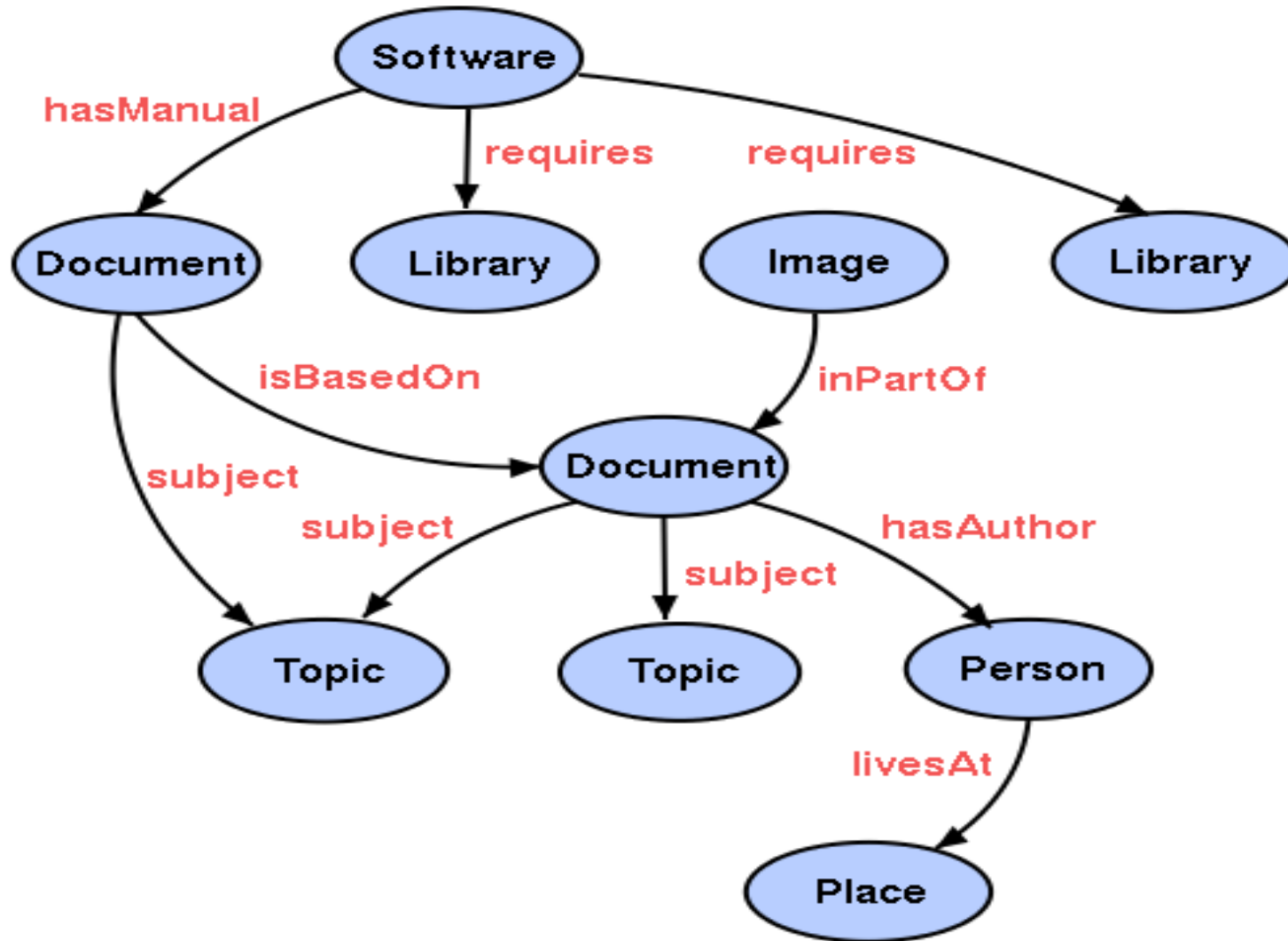


MARC bibliographic record

Misc.	082	0	4	823.8 223
Author	100	1		Brontë, Charlotte, d1816-1855, eauthor.
Title	245	1	0	Jane Eyre cCharlotte Brontë ; with an introduction by Lucy Hughes-Hallett.
Publication Info.	264		1	London : bDavid Campbell Publishers, c[2000?]
Description	300			xxxviii, 284 pages ; c21 cm.
Note	500			Originally published: 3rd ed. 1847.
Note	500			"The Millennium library"--Dust jacket.
Note	504			Includes bibliographical references.
Subject	650		0	Mentally ill women vFiction.
Subject	650		0	Man-woman relationships zEngland vFiction.

Semantic Web

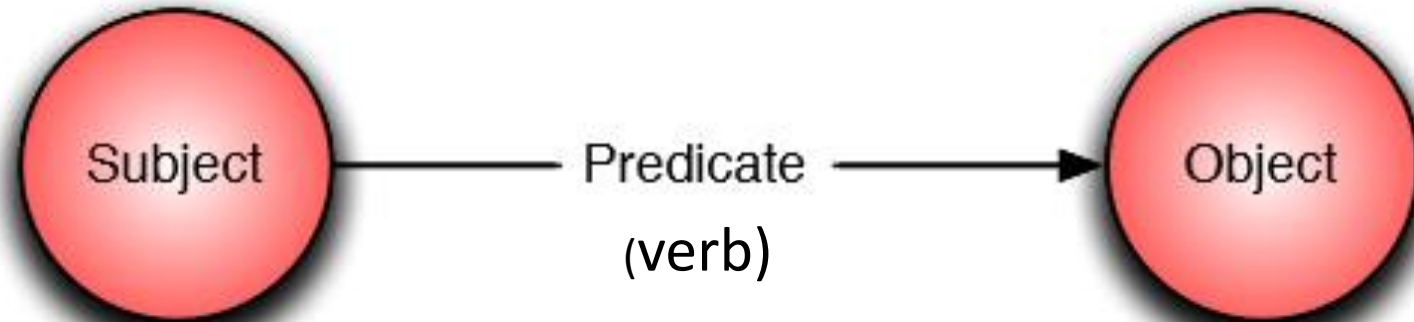
Example

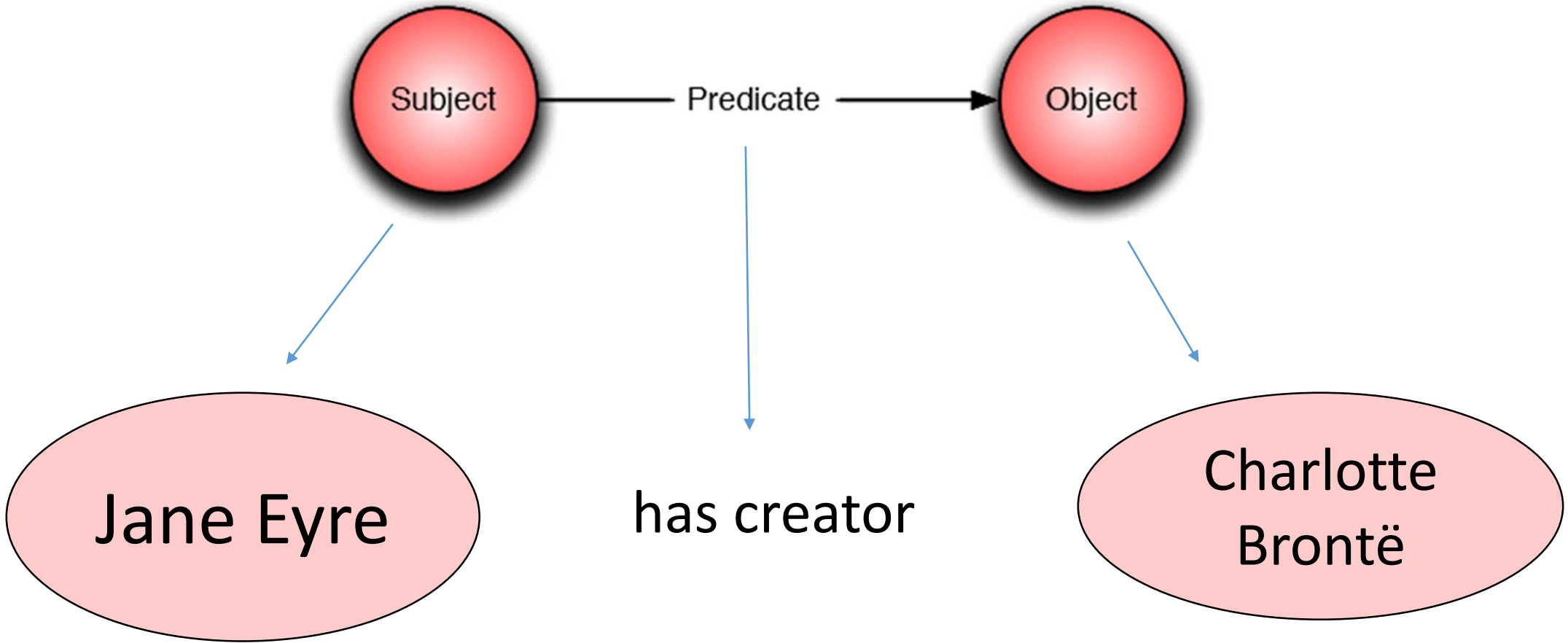


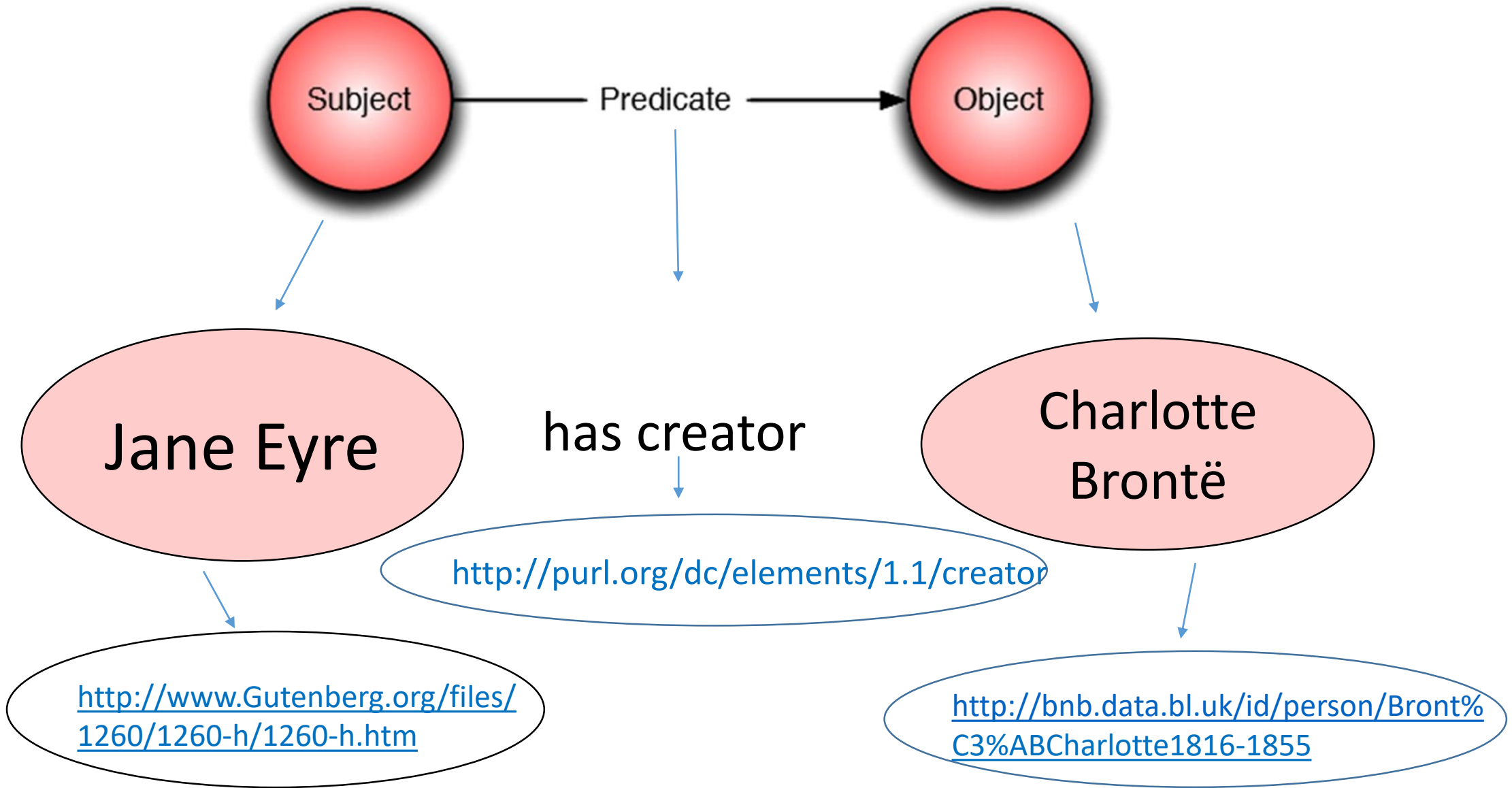
RDF (Resource Description Framework) Data Model

Linked Data

Make use of “triples” in the form of subject-predicate-object expressions







one thing



Jane Eyre

has a relationship with



creator

another thing



**Charlotte
Brontë**



Each *thing* has a URI

Jane Eyre

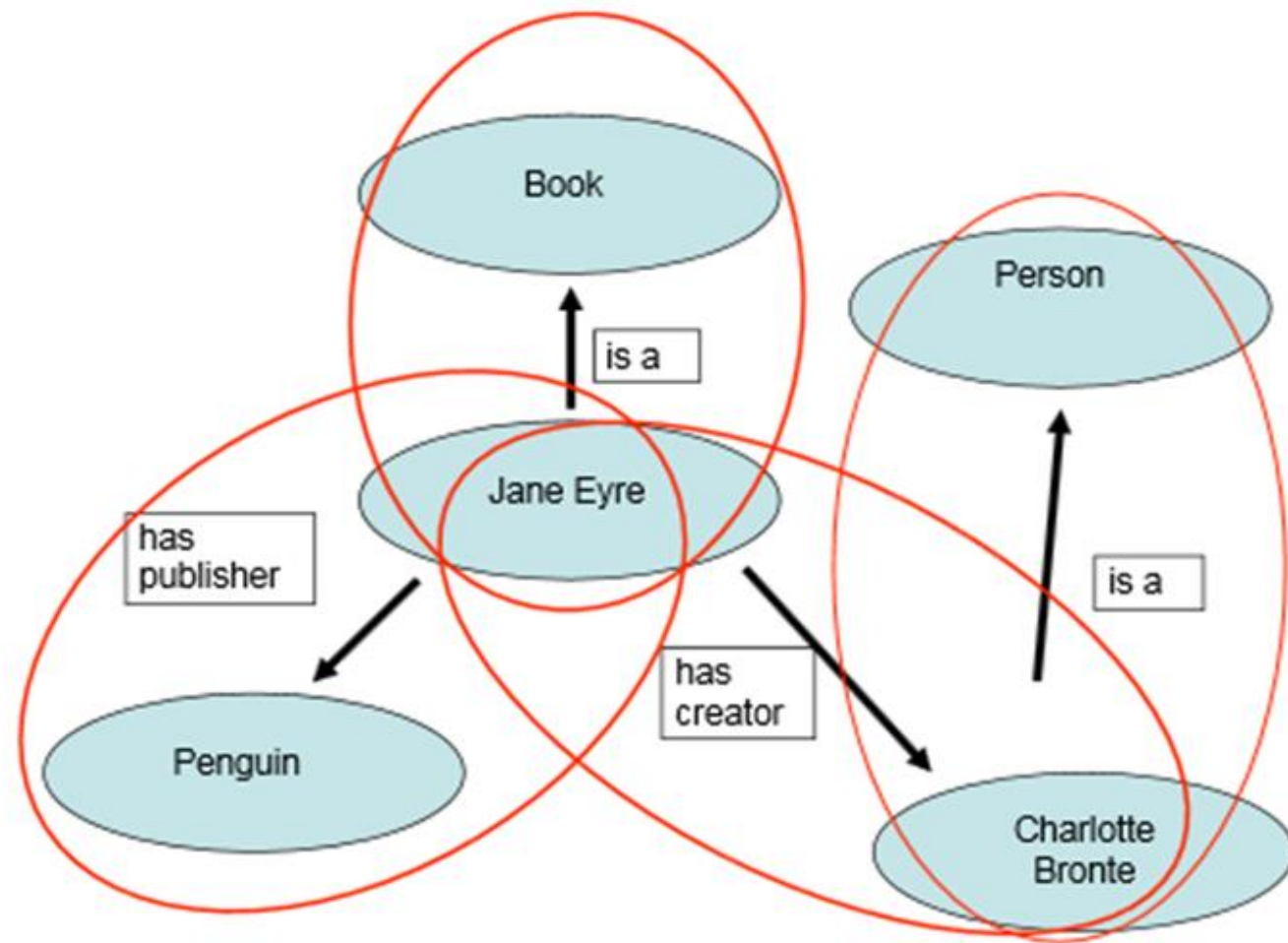
<http://www.Gutenberg.org/files/1260/1260-h/1260-h.htm>

creator

<http://purl.org/dc/elements/1.1/creator>

**Charlotte
Brontë**

<http://bnb.data.bl.uk/id/person/Bront%C3%ABCharlotte1816-1855>



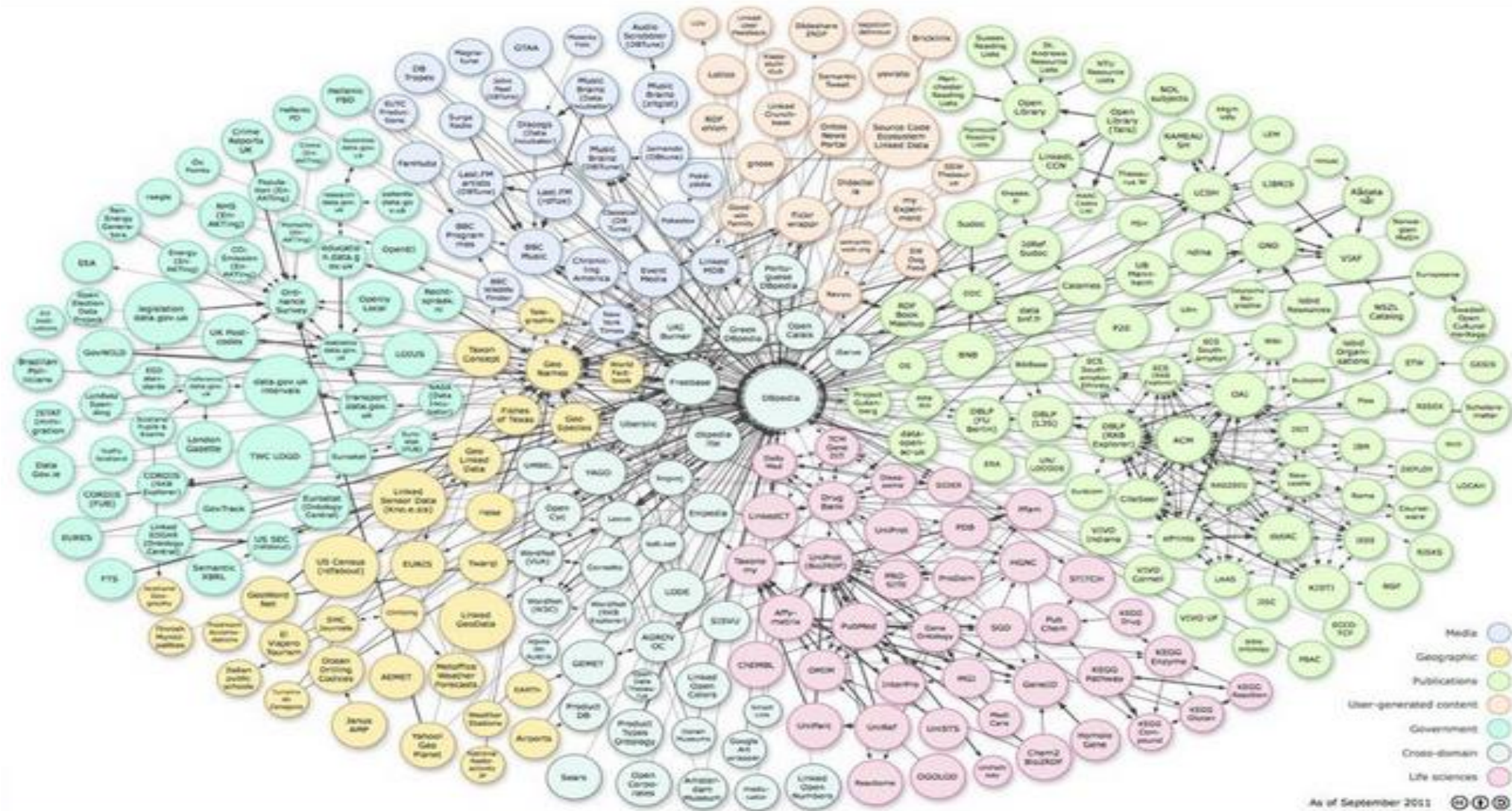


Figure 4. Linking Open Data cloud diagram 2014, by Max Schmachtenberg, Christian Bizer, Anja Jentzsch and Richard Cyganiak. <http://lod-cloud.net/>