Linked Data

🌟 Data, not text
🌟🌟 Identifiers for things
🌟🌟🌟 Statements, not records
🌟🌟🌟🌟 Machine-readable schema
🌟🌟🌟🌟 Machine-readable lists
🌟🌟🌟🌟🌟 + Open access on the Web
Data IS the information

008  711222s1961  dcu  b 000 0  eng

Identifiers

dog =

Identifiers must be precise

dog =
dog =

IDa87nn3

66.ah.773m
Identifiers don’t change

Smith, John, 1946-

Smith, John, 1946-2006

Change the identifier, change the identity

Internationalization (i18n)

hund (lang=de)

dog (lang=en)

perro (lang=sp)

chien (lang=fr)

Strings are endpoints
Things can connect to other things

http://example.org/123

http://example.org/2793

http://example.org/AAbc

"name: William Shakespeare"

Statements
Advantages: flexibility

Entities/properties

What are the things in our metadata?

- people, corporate bodies, families
- places (as subjects, as locations, and other)
- events (conferences, legislative actions)
- topics (classification, subject headings)
- resources (books, sound recordings; works, expressions)
- physical formats, extents
- ...
How many are unique to library data?

Properties and linking

Properties and linking

dc:title

“Moby Dick”

lib:title Proper

“Moby Dick”

British National Bibliography in RDF
Linked bibliographic metadata

Bibliographic Ontology (BIBO)

Dublin Core Metadata Terms
Controlled vocabularies & authorities

SUBJECTS

RAMEAU
LCSH
DBPEDIA
DNB
国立国会図書館

Controlled vocabularies & authorities

Lists, lists, lists

RDA

Names

VIAF
WIKIPEDIA

MARC

- Genre/form
- Relators
- Countries
- Geographic Areas
- Languages
- PREMIS
  - Pres. events
  - Pres. level role
Open and on the Web

Open access on the Web

THE BRITISH LIBRARY
Explore the world’s knowledge

Are we there yet?
A moment of opportunity
Let's grab it

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http://kcoyle.net/presentations/links.html