

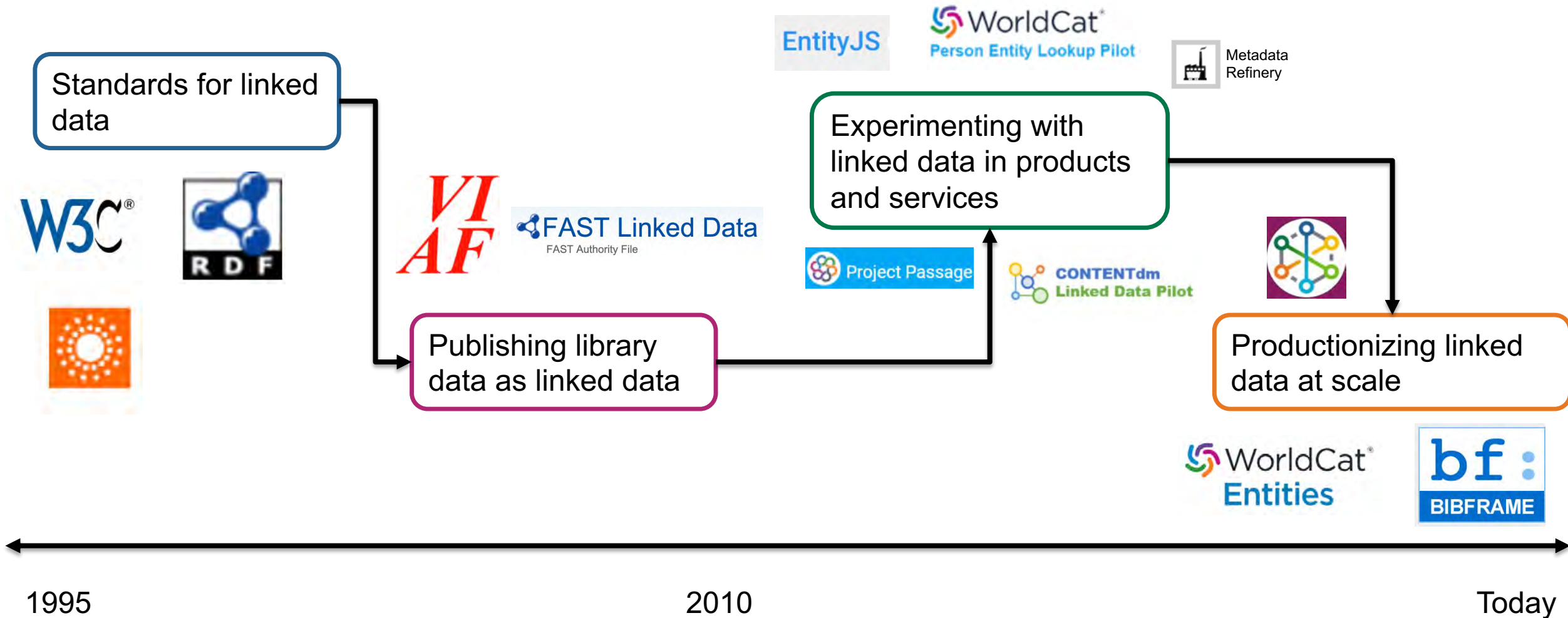
NKOS Thursday Nov. 9th

Dewey and FAST: foundations for conceptual entities

Jeff Mixter

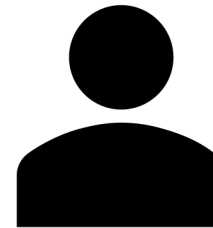
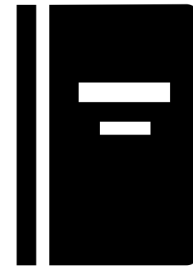
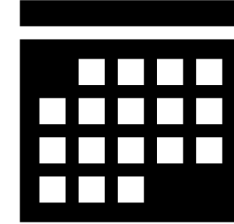
Sr. Product Manager, Metadata and Digital Services

OCLC's work in linked data



WorldCat Entities

- Authority linked data entities
 - Person
 - Work
 - Place
 - Event
 - Concepts



WorldCat ontology

- OCLC is working with partner libraries to expand the data model based on library workflows and data needs
- Data model used to describe Authoritative entities in WorldCat Entities



Data to support libraries today

 WorldCat[®] **Entities**

 **FAST Linked Data**
FAST Authority File

Dewey[®] Services

Dewey

- Classification system used around the world in both public and academic library
- Built taxonomy – provides high levels of customization
- Translated into 7 languages: English, German, Arabic, French, Italian, Norwegian, and Swedish
- ~170M Dewey numbers in WorldCat

SEARCH ADVANCED SEARCH BROWSE COMMENTS UPDATES

Search

617.7 *Ophthalmology + ▾

- [600](#) ▾ Technology
- [610](#) ▾ Medicine & health
- [617](#) ▾ Surgery, regional medicine, dentistry, ophthalmology, otology, audiology
- 617.7 *Ophthalmology**
- [617.70231](#) Eye diseases--humans--nursing, . . .
- [617.70232](#) Ophthalmologists--role and function
- [617.7042](#) Eye diseases--humans--genetics
- [617\[.7044\]](#) Injuries and wounds
- [617\[.7059\]](#) Surgery
- [617.706](#) ▾ Eye diseases--humans--therapy
- [617\[.707\]](#) Pathology
- [617.7092](#) Ophthalmologists
- [617.71](#) ▾ Pathology and surgery of eyes
- [617.72](#) *Diseases of uveas
- [617.73](#) ▾ *Diseases of optic nerves, of retinas
- [617.74](#) ▾ *Diseases of eyeballs
- [617.75](#) ▾ Disorders of refraction and accommodation, color vision defects
- [617.76](#) ▾ Diseases of ocular neuromuscular mechanism and lacrimal apparatus
- [617.77](#) ▾ Diseases of eyelids and conjunctivas
- [617.78](#) ▾ *Diseases of orbits
- [617.79](#) Artificial eyes

History + ▾

Tumors of eyes relocated to 616.99284
1989-03-06, Edition 20

Tuberculosis of eyes relocated to 616.99584
1989-03-06, Edition 20

Structure of the taxonomy in WebDewey

Search GO

617.7 *Ophthalmology + ▾

- 600 ▾ Technology
- 610 ▾ Medicine & health
- 617 ▾ Surgery, regional medicine, dentistry, ophthalmology, otology, audiology
- 617.7 *Ophthalmology
- 617.70231 Eye diseases--humans--nursing, ...
- 617.70232 Ophthalmology--nursing
- 617.7042 Eye diseases--nursing
- 617[.7044] Injuries--nursing
- 617[.7059] Surgery--nursing
- 617.706 Eye diseases--nursing
- 617[.707] Pathology--nursing
- 617.7092 Ophthalmology--nursing
- 617.71 Pathology--nursing
- 617.72 *Diseases--nursing
- 617.73 *Diseases--nursing
- 617.74 *Diseases--nursing
- 617.75 Disorders--nursing
- 617.76 Diseases--nursing
- 617.77 Diseases--nursing
- 617.78 *Diseases--nursing
- 617.79 Artificial eyes

Scope notes and Comments for the given heading

Notes + ▾

Class here eye diseases

For tumors of eyes, see [616.99484](#)

For tuberculosis of eyes, see [616.99584](#)

*Add as instructed under [617](#)

Comments + ▾

Create built number + ▾

[617.7](#) *Ophthalmology START

History + ▾

Tumors of eyes relocated to [616.99284](#)
1989-03-06, Edition 20

Tuberculosis of eyes relocated to [616.99584](#)
1989-03-06, Edition 20

Search GO

617.7 *Ophthalmology

- 600 Technology
- 610 Medicine
- 617 Surgery
- 617.7 *Ophthalmology
- 617.70231
- 617.70232
- 617.7042
- 617[.7044]
- 617[.7059]
- 617.706 E
- 617[.707]
- 617.7092
- 617.71 Pathology and surgery of eyes
- 617.72 *Diseases of eyes
- 617.73 *Diseases of optic nerves, of retinas
- 617.74 *Diseases of eyeballs
- 617.75 Disorders of refraction and accommodation, color vision defects
- 617.76 Diseases of ocular neuromuscular mechanism and lacrimal apparatus
- 617.77 Diseases of eyelids and conjunctivas
- 617.78 *Diseases of orbits
- 617.79 Artificial eyes

Relative Index Terms (English)

- [Eye diseases--humans--ophthalmology.](#)
- [Eyes--ophthalmology.](#)
- [Ophthalmology.](#)

LC Subject Headings

- [Ophthalmic zoster](#)
- [Vision disorders](#)

Additional Terminology Sources

MeSH

- [Vision Disorders](#)
- [Eye Diseases](#)

Comments

Create built number

History

- Tumors of eyes relocated to 616.99284
1989-03-06, Edition 20
- Tuberculosis of eyes relocated to 616.99584
1989-03-06, Edition 20

START

Relationships to other controlled vocabularies or classification systems

Dewey as linked data

- OCLC is working to publish Dewey as linked data
- Initial focus on ~28K Dewey headings that have been established in the WebDewey service

Dewey Diversity, Equity, and Inclusion (DEI)

- We are working with the community to understand and make editorial changes to Dewey to help resolve diversity, equity, and inclusions concerns
- Dewey linked data work will develop a model for describing DEI concerns
- ‘Removing “gender identity” from mental disorders’
 - More updates like this can be found on the [Dewey blog](#)

FAST

- Faceted Access Subject Terminology
- Derived from Library of Congress vocabularies
- 1.8 Million terms in FAST
- 8 facets: Person, Corporate, Topical, Geographic, Meeting/Event, Form, Period, Title

FAST

- Benefits of FAST:
 - Faceted nature makes it easy to use in end-user navigation
 - Simple to learn and apply

FAST TERMS

Search results for: "columbus ohio"

Limit Results by:

Displaying 1 to 10 of 205

[<< Previous](#) [Next >>](#)

Heading <input type="button" value="v"/>	Facet <input type="button" value="v"/>	Uses <input type="button" value="v"/>
Ohio--Columbus	geographic	12310
Ohio--Columbus Metropolitan Area	geographic	568
Ohio Penitentiary (Columbus, Ohio)	corporate	257
Columbus Museum of Art	corporate	181
Ohio--Columbus Region	geographic	128
Columbus Public School Systems (Ohio)	corporate	111
Ohio State University. College of Education	corporate	100
Ohio State Library	corporate	93
Ohio--Columbus--Franklinton	geographic	89
Capital University	corporate	74

Structure of FAST taxonomy in SearchFast

Limit Res

Ohio--Columbus [Find in WorldCat](#)

Displayi

USED FOR:

Ohio--City of Columbus

USAGE:

LC (2022) Subject Usage: 379

WC (2022) Subject Usage: 12,310

RECORD ID:

fst01205076

SOURCES AND OTHER LINKS:

Columbus (Ohio)--([DLC](#))n 79049218

Columbus--<http://www.geonames.org/4509177>

Columbus (Ohio) <https://viaf.org/viaf/151458957>

LINKS TO FULL RECORD:

Permanent Link <http://id.worldcat.org/fast/1205076>

MARC-21 record <http://id.worldcat.org/fast/1205076.html>

MARC-21 UTF-8 (raw data) <http://id.worldcat.org/fast/1205076.mrc>

MARC-21 xml (raw data) <http://id.worldcat.org/fast/1205076.mrc.xml>

RDF record (raw data) <http://id.worldcat.org/fast/1205076.rdf.xml>

[view MARC](#)

Detailed information about a specific FAST term

FAST as linked data

- Faceted nature of the vocabulary makes it more suitable for linked data
 - Every term in FAST has a persistent URI
- Links to VIAF, LCSH, GeoNames, and WikiData
- Modeled in SKOS and Schema.org

FAST + Dewey

- FAST and Dewey will form the foundation for OCLC's contextual entities in the linked data ecosystem
- Our Membership & Research colleagues are working on a project to map FAST and Dewey together
 - Facilitate classification > topical browsing and visa versa
 - 1 to many make the opportunity for deep knowledge browsing/searching