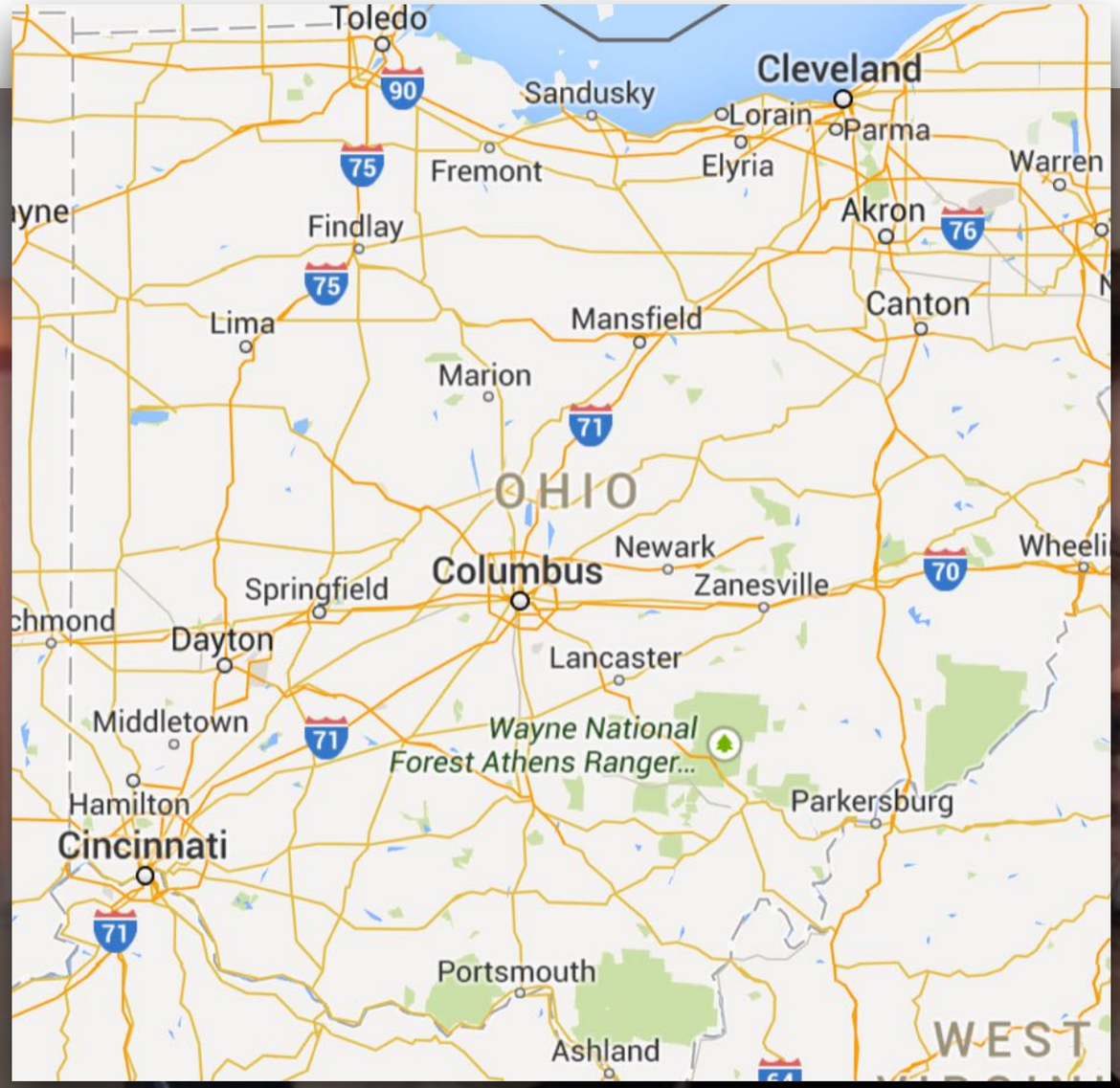
The Libhub Initiative: Increasing the Web Visibility of Libraries

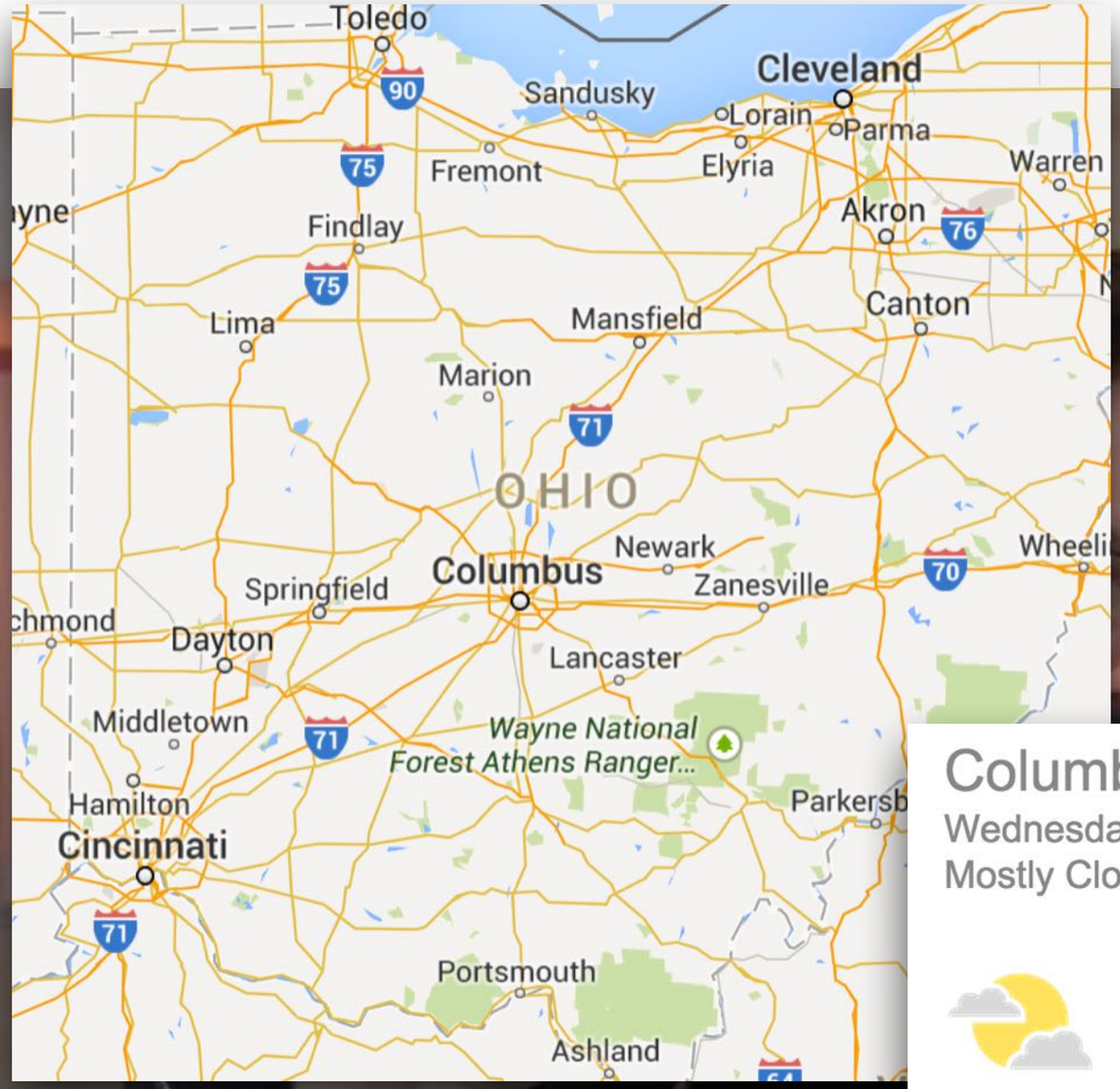
DCMI / ASIS&T Webinar
January 7, 2015

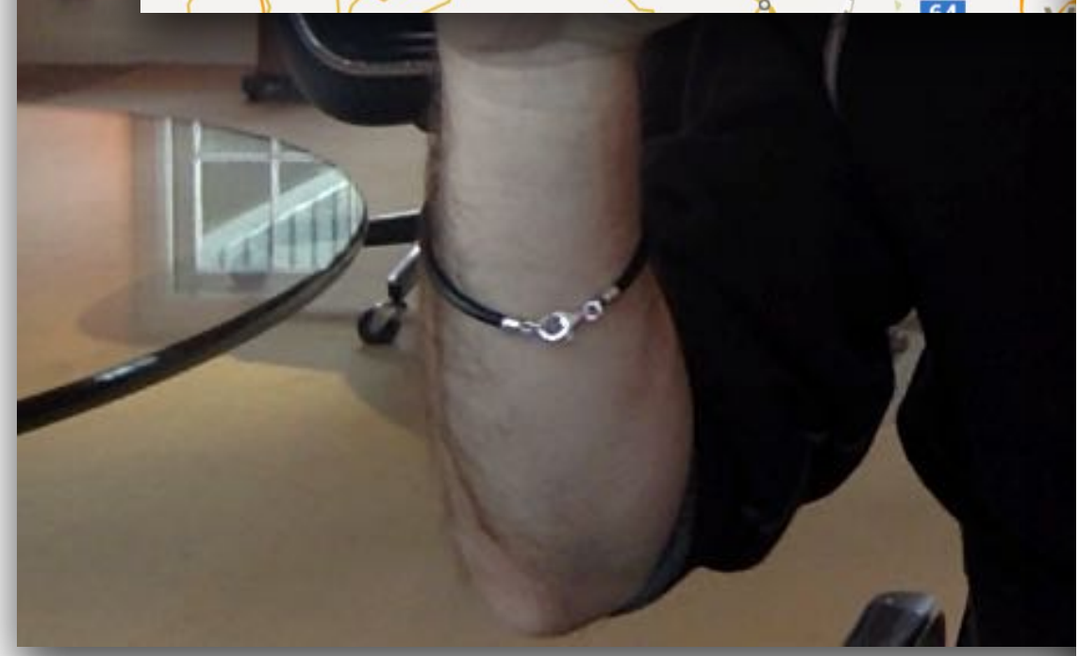
Eric Miller
em@zepheira.com
https://www.linkedin.com/in/erimille
@erimille

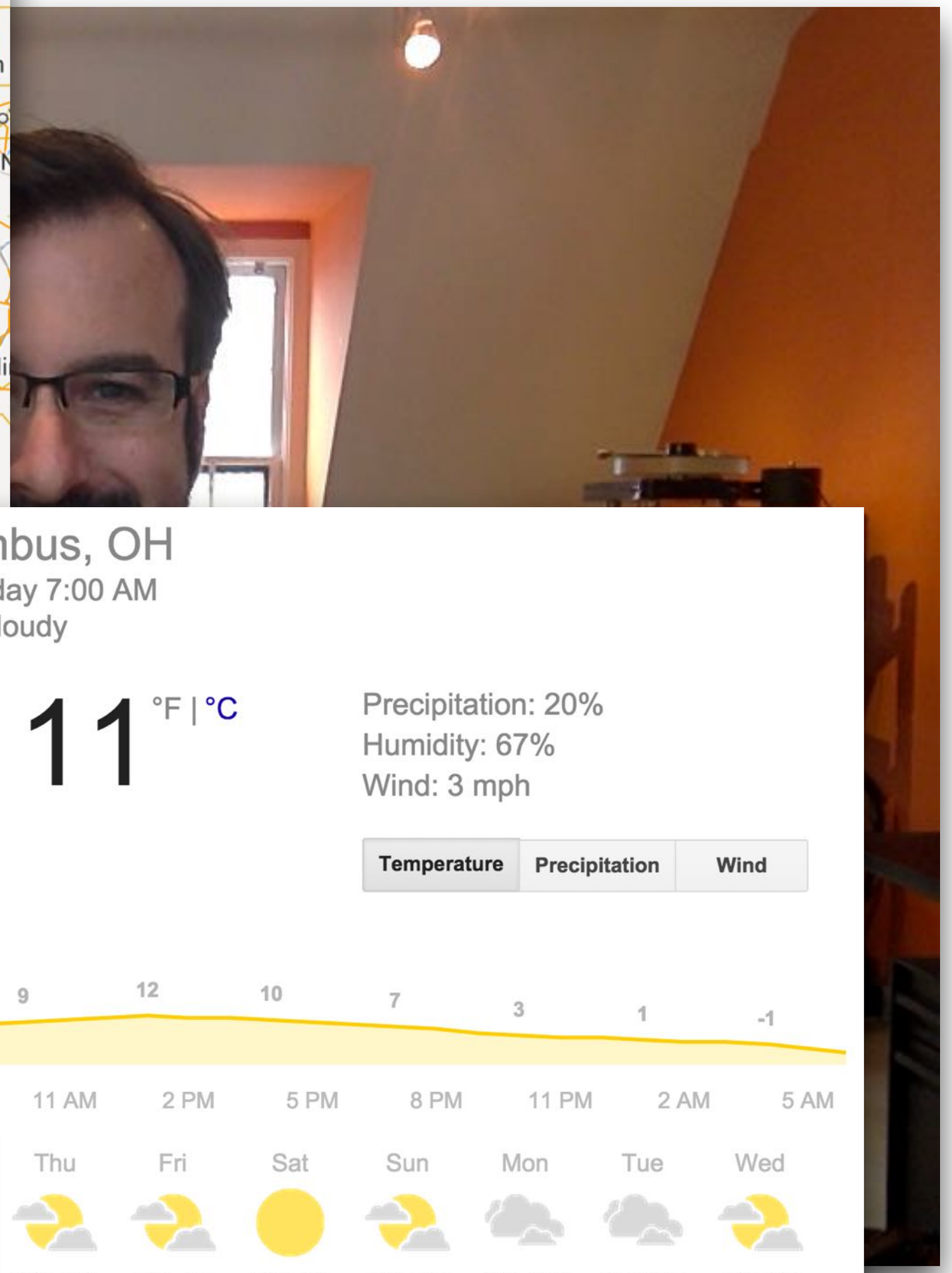
Libhub
Leading, Learning, and Linking

zepheira


Toledo
Cleveland
Sandusky
Lorain
Parma
Elyria
Warren
Fremont
Akron
Findlay
Canton
Lima
Mansfield
Marion
OHIO
Newark
Columbus
Springfield
Zanesville
Dayton
Lancaster
Middletown
Wayne National Forest Athens Ranger...
Hamilton
Parkersburg
Cincinnati
Portsmouth
Ashland
WEST







Columbus, OH
Wednesday 7:00 AM
Mostly Cloudy

11 °F | °C

Precipitation: 20%
Humidity: 67%
Wind: 3 mph

Temperature | Precipitation | Wind

8 AM	11 AM	2 PM	5 PM	8 PM	11 PM	2 AM	5 AM
11	9	12	10	7	3	1	-1

Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
16° -9°	18° 12°	19° -6°	23° 5°	45° 25°	37° 10°	43° 25°	43° 21°

My Goal

1. Sharing finds from the field and practitioners perspective over the past year

2. Description (Bibframe) and Discovery (schema.org) standards as complements

3. What do we mean by Web visibility?

4. Introduce The Libhub Initiative designed to accelerate the visible library.

A webinar in 3 acts

Act 1 :

Background and Context

Hi, We are Zepheira

We are a Passionate, Experienced, Strategic, Technical, Entrepreneurial Team.
We love Libraries, Data, The Web, Standards, Open Source, and Learning.

The team's background:

OCLC
The world's libraries. Connected.

LIBRARY OF CONGRESS

W3C WORLD WIDE WEB consortium

Sun microsystems

Massachusetts Institute of Technology

python software foundation

POLARIS
LIBRARY SYSTEMS

Semantic Web

Dublin Core Metadata Initiative®

μXML

Adobe

UCLA

SYRACUSE UNIVERSITY
SUOS CULTORES SCIENTIA CORONAT
FOUNDED AD 1870

IETF®

akara™

Day

http://linkedin.com/company/zepheira/
http://zepheira.com/

Zepheira's Perspectives on Leadership and Practice

Libraries, Web, Data & Technology

Standards

RDF

W3C Semantic Web

Data and Tech Strategies

OCLC The world's libraries. Connected.

LIBRARY OF CONGRESS

Vocabularies

bf: BIBFRAME

schema.org

Projects

NLB

NATIONAL LIBRARY OF MEDICINE

Activities

BIBFLOW

AN IMLS PROJECT OF THE UC DAVIS LIBRARY & ZEPHEIRA

Large Scale Projects

Libhub

Leading, Learning, and Linking

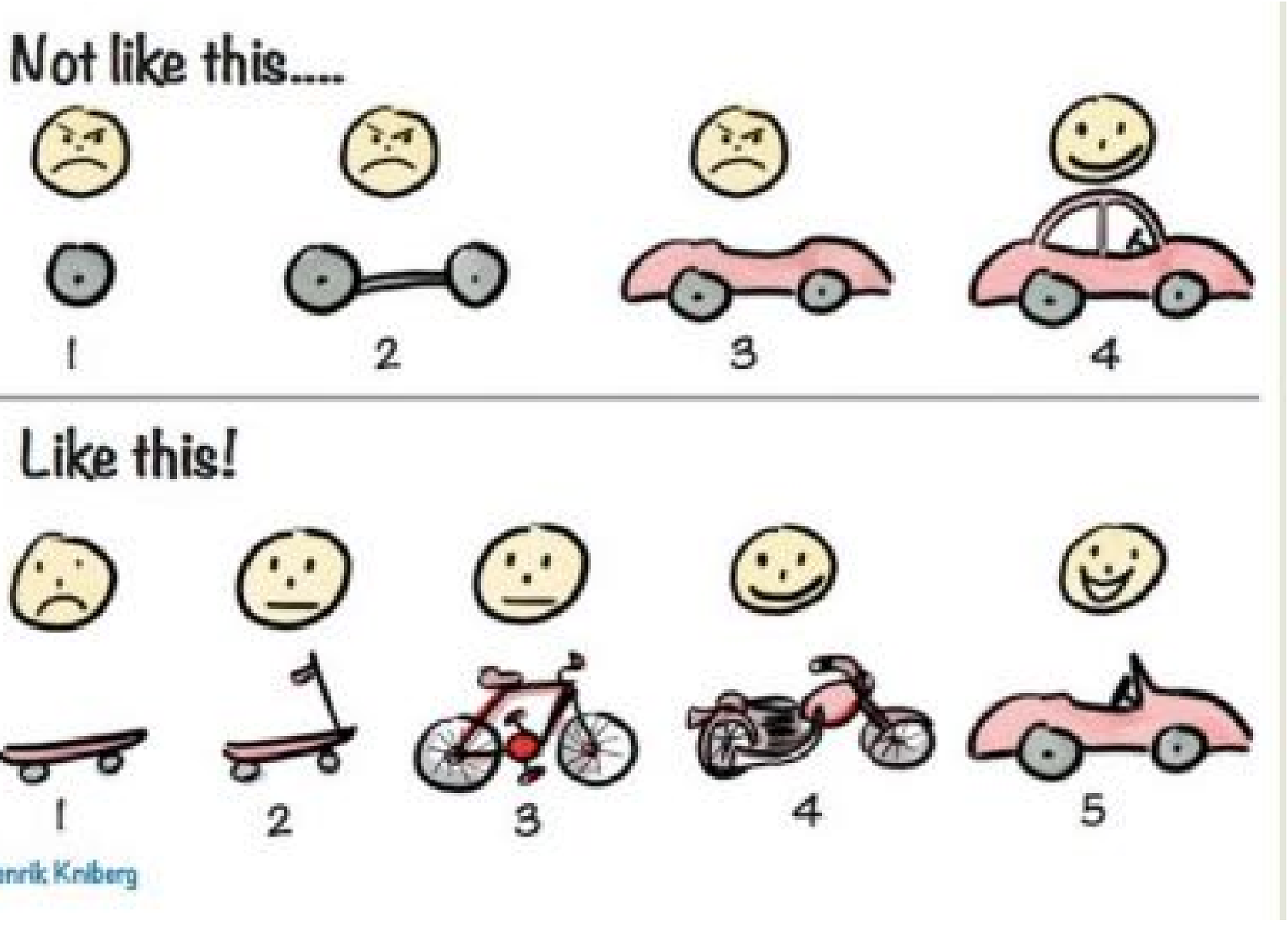
Perspective

- The Web enables many perspectives
- The utility of those perspectives is another perspective
- And thats by design
- And this is what we've heard and coupled with our professional experiences

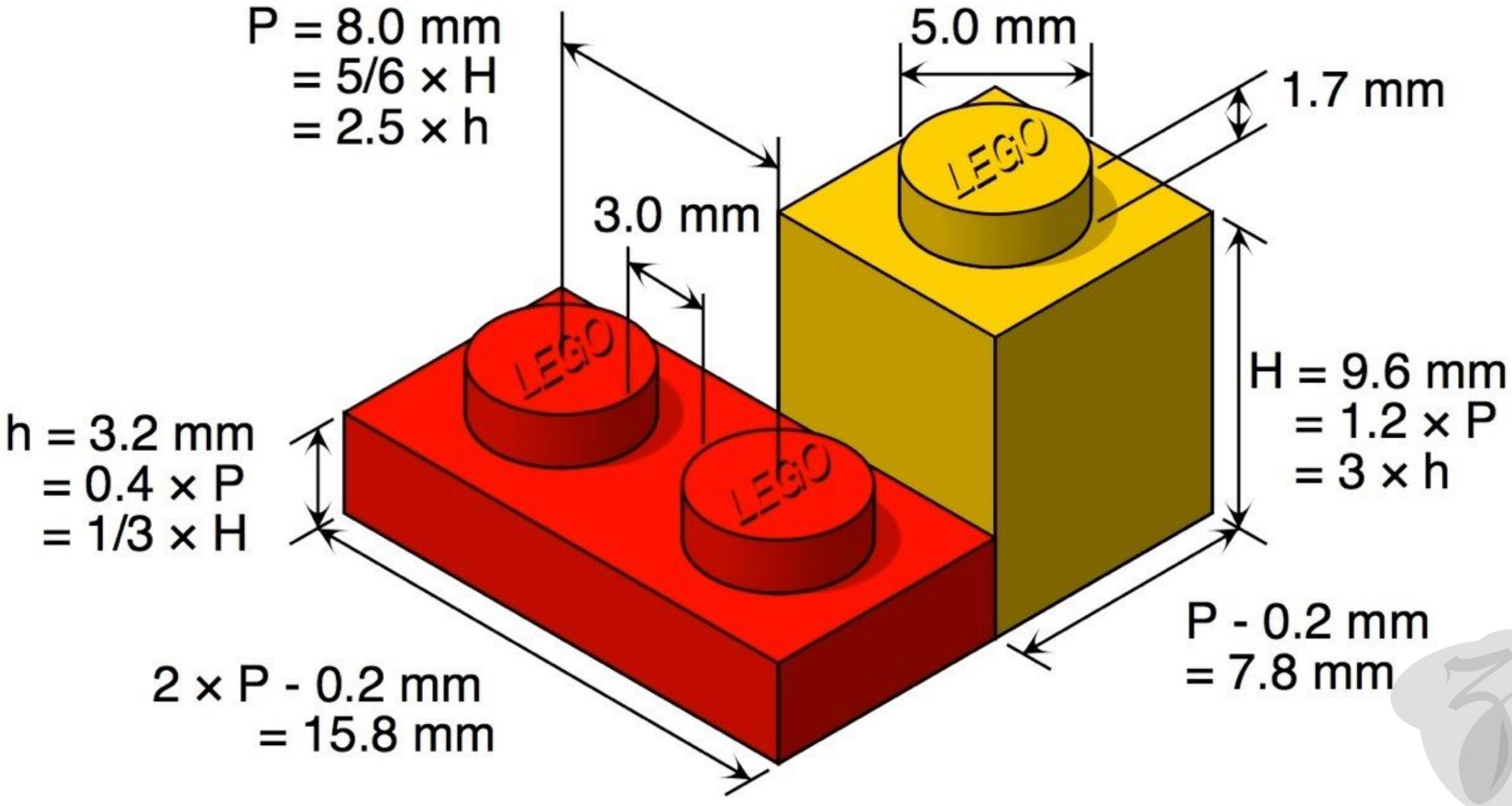
Shared observations

1. A Library is more than its collection
2. “Linked Data” is Linked first, Data second
3. The Web of Data is here
4. And Libraries are not participating to their full potential

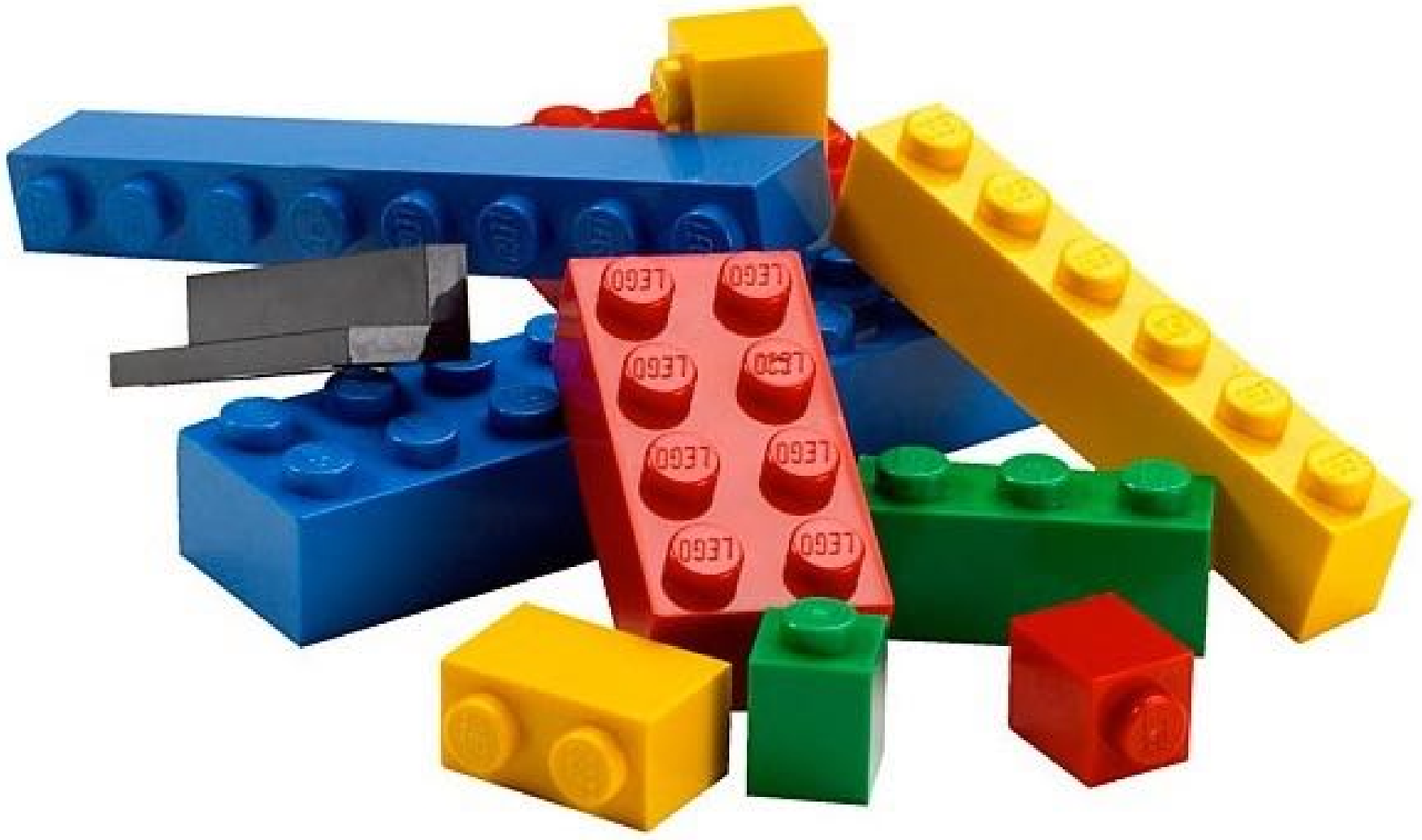
Minimum Viable Product, Incremental Value, and Continuous Learning



RDF


P = 8.0 mm
= 5/6 × H
= 2.5 × h
5.0 mm
1.7 mm
3.0 mm
H = 9.6 mm
= 1.2 × P
= 3 × h
h = 3.2 mm
= 0.4 × P
= 1/3 × H
P - 0.2 mm
= 7.8 mm
2 × P - 0.2 mm
= 15.8 mm

BIBFRAME Vocabulary



Home - schema.org

schema.org

Apps for Training - Activity - Z Practical Practitioner NLB Implementation inlink

schema.org

Search

Home Schemas Documentation

What is Schema.org?

This site provides a collection of schemas that webmasters can use to markup HTML pages in ways recognized by major search providers, and that can also be used for structured data interoperability (e.g. in JSON). Search engines including Bing, Google, Yahoo! and Yandex rely on this markup to improve the display of search results, making it easier for people to find the right Web pages.

Many sites are generated from structured data, which is often stored in databases. When this data is formatted into HTML, it becomes very difficult to recover the original structured data. Many applications, especially search engines, can benefit greatly from direct access to this structured data. On-page markup enables search engines to understand the information on web pages and provide richer search results in order to make it easier for users to find relevant information on the web. Markup can also enable new tools and applications that make use of the structure.

A shared markup vocabulary makes it easier for webmasters to decide on a markup schema and get the maximum benefit for their efforts. So, in the spirit of sitemaps.org, search engines have come together to provide a shared collection of schemas that webmasters can use.

We invite you to get started!

View our blog at blog.schema.org.

Terms and conditions

Home - schema.org

schema.org

Apps for

Search Results - schema.o

Book - schema.org

schema.org/Book

Apps for Training - Activity - Z Practical Practitioner NLB Implementation inlink

schema.org

Search

Home Schemas Documentation

Thing > CreativeWork > Book

A book.

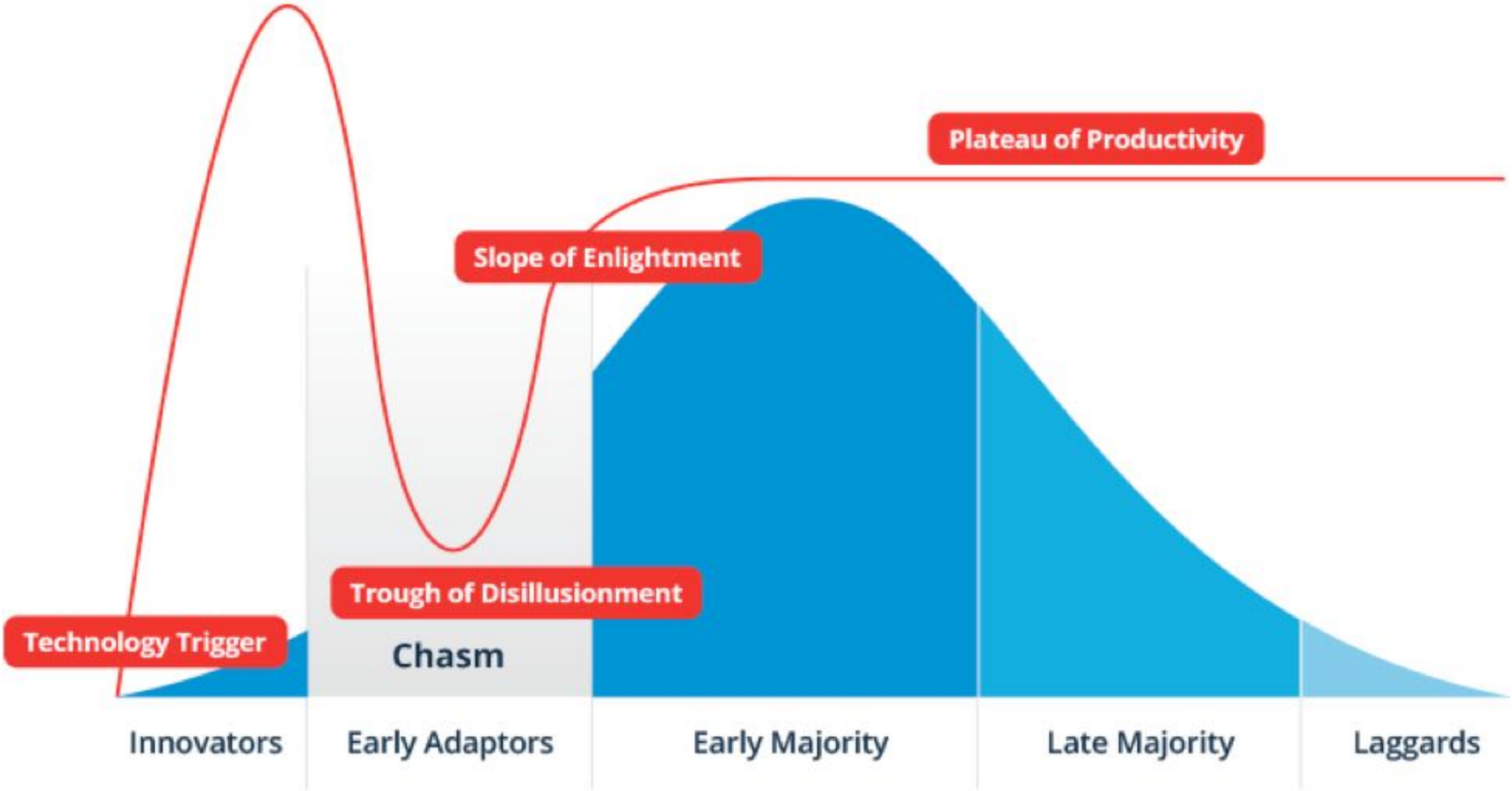
Property	Expected Type	Description
Properties from Book		
bookEdition	Text	The edition of the book.
bookFormat	BookFormatType	The format of the book.
illustrator	Person	The illustrator of the book.
isbn	Text	The ISBN of the book.
numberOfPages	Integer	The number of pages in the book.
Properties from CreativeWork		
about	Thing	The subject matter of the content.
accessibilityAPI	Text	Indicates that the resource is compatible with the referenced accessibility API (WebSchemas wiki lists possible values).
accessibilityControl	Text	Identifies input methods that are sufficient to fully control the described resource (WebSchemas wiki lists possible values).
accessibilityFeature	Text	Content features of the resource, such as accessible media, alternatives and supported enhancements for accessibility (WebSchemas wiki lists possible values).
accessibilityHazard	Text	A characteristic of the described resource that is physiologically dangerous to some users. Related to WCAG 2.0 guideline 2.3. (WebSchemas wiki lists possible values)
accountablePerson	Person	Specifies the Person that is legally accountable for the CreativeWork.
aggregateRating	AggregateRating	The overall rating, based on a collection of reviews or ratings, of the item.
alternativeHeadline	Text	A secondary title of the CreativeWork.
associatedMedia	MediaObject	A media object that encodes this CreativeWork. This property is a synonym for encoding.
audience	Audience	The intended audience of the item, i.e. the group for whom the item was created.
audio	AudioObject	An embedded audio object.
author	Person or Organization	The author of this content. Please note that author is special in that HTML 5 provides a special mechanism for indicating authorship via the rel tag. That is equivalent to this and may be used interchangeably.
award	Text	An award won by this person or for this creative work. Supersedes awards.

Linked Data

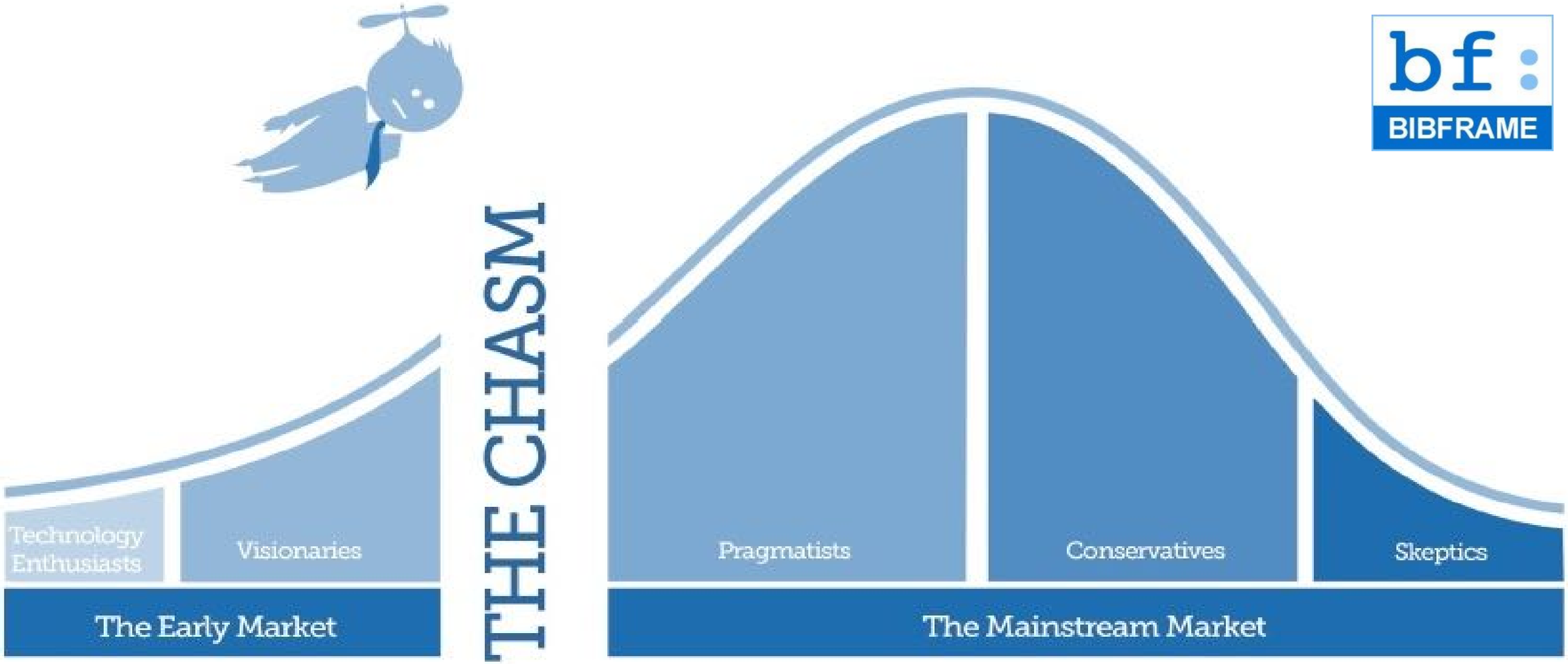
"a term used to describe a recommended best practice for exposing, sharing, and connecting pieces of data, information, and knowledge on the Semantic Web using URIs and RDF."

http://en.wikipedia.org/wiki/Linked_Data

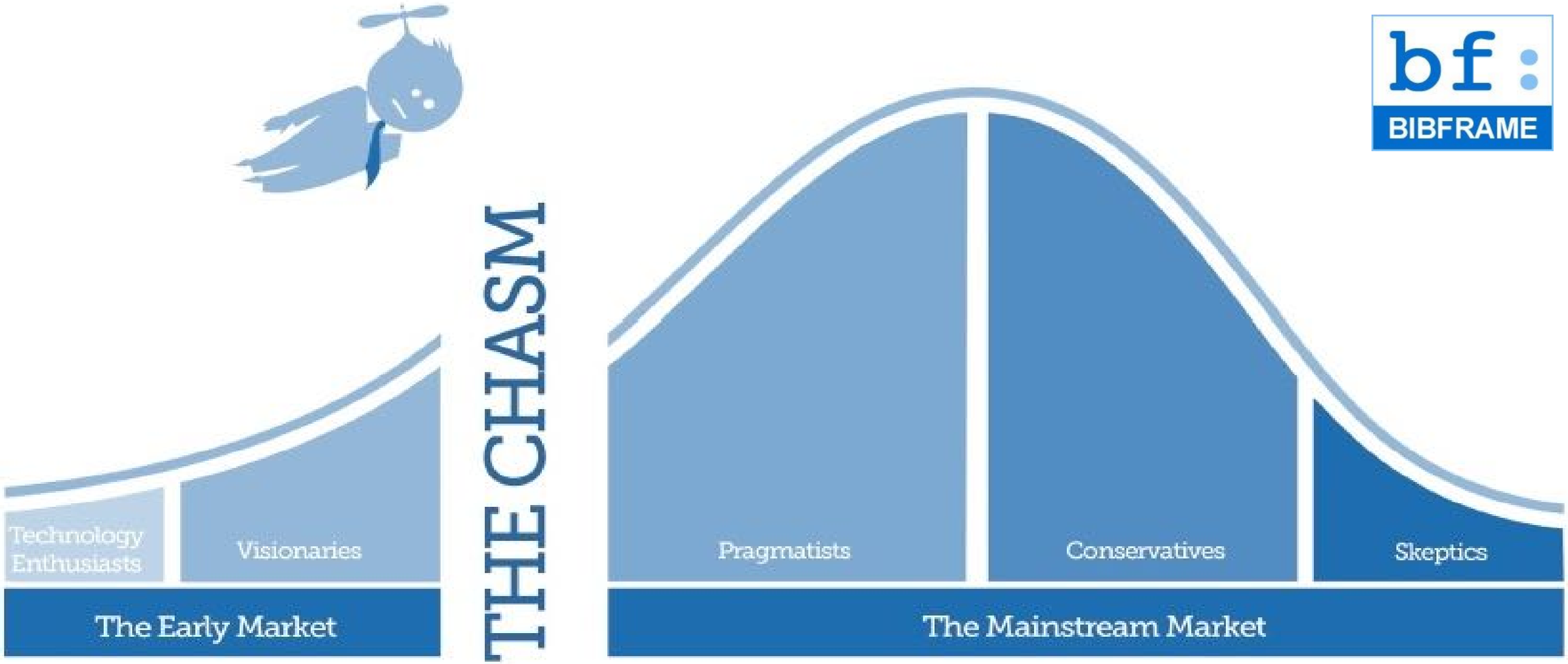
General Technology Hype Cycle



Phases of Linked Data / BIBFRAME Adoption

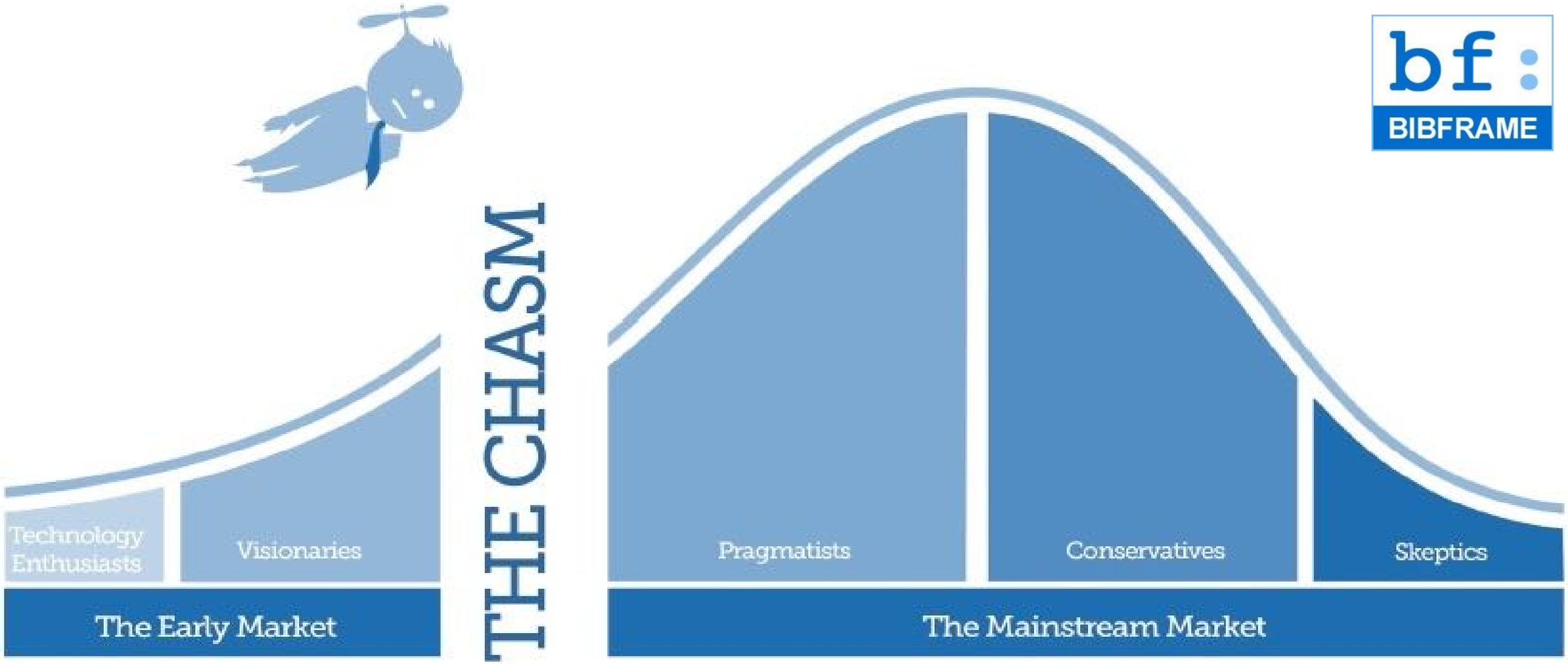


Phases of Linked Data / BIBFRAME Adoption



Experimenters

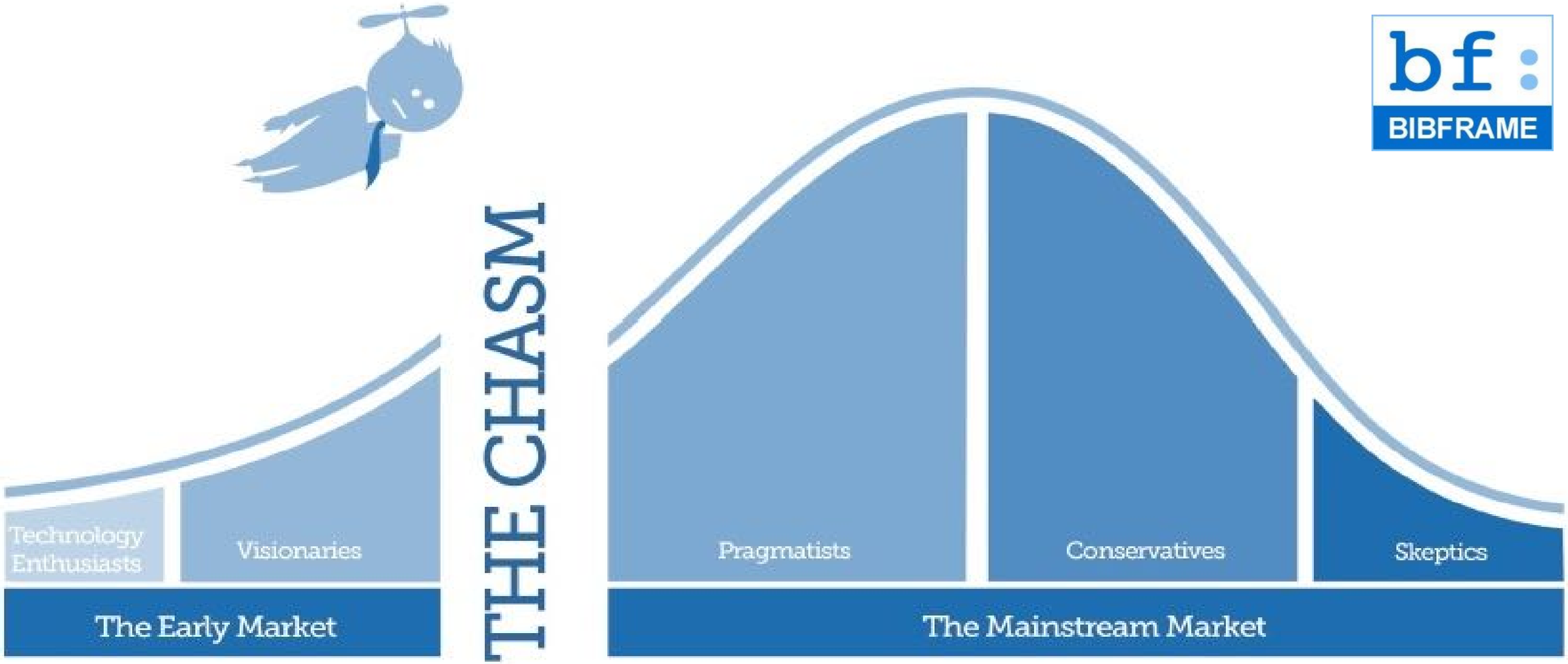
Phases of Linked Data / BIBFRAME Adoption



Experimenters

Early Implementers

Phases of Linked Data / BIBFRAME Adoption

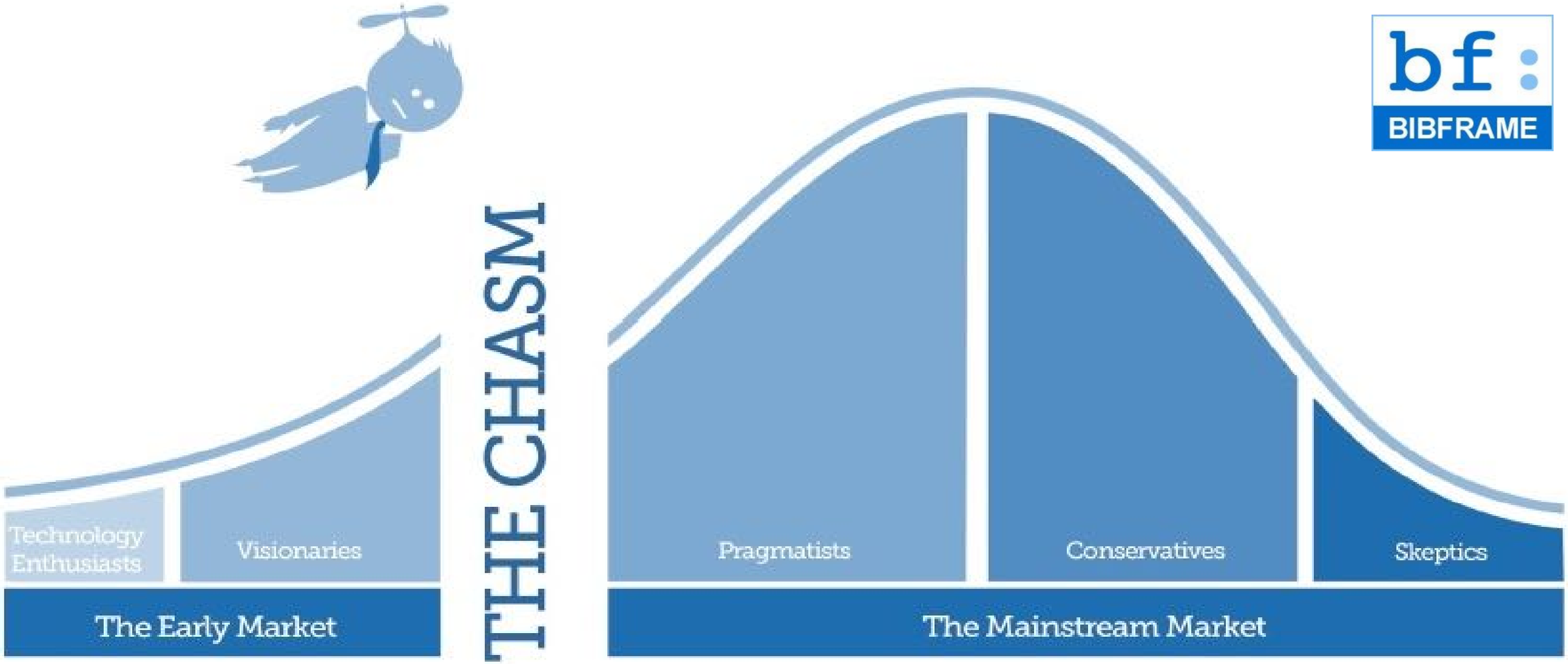


Experimenters

Early Implementers

Data Publishers & Connectors

Phases of Linked Data / BIBFRAME Adoption



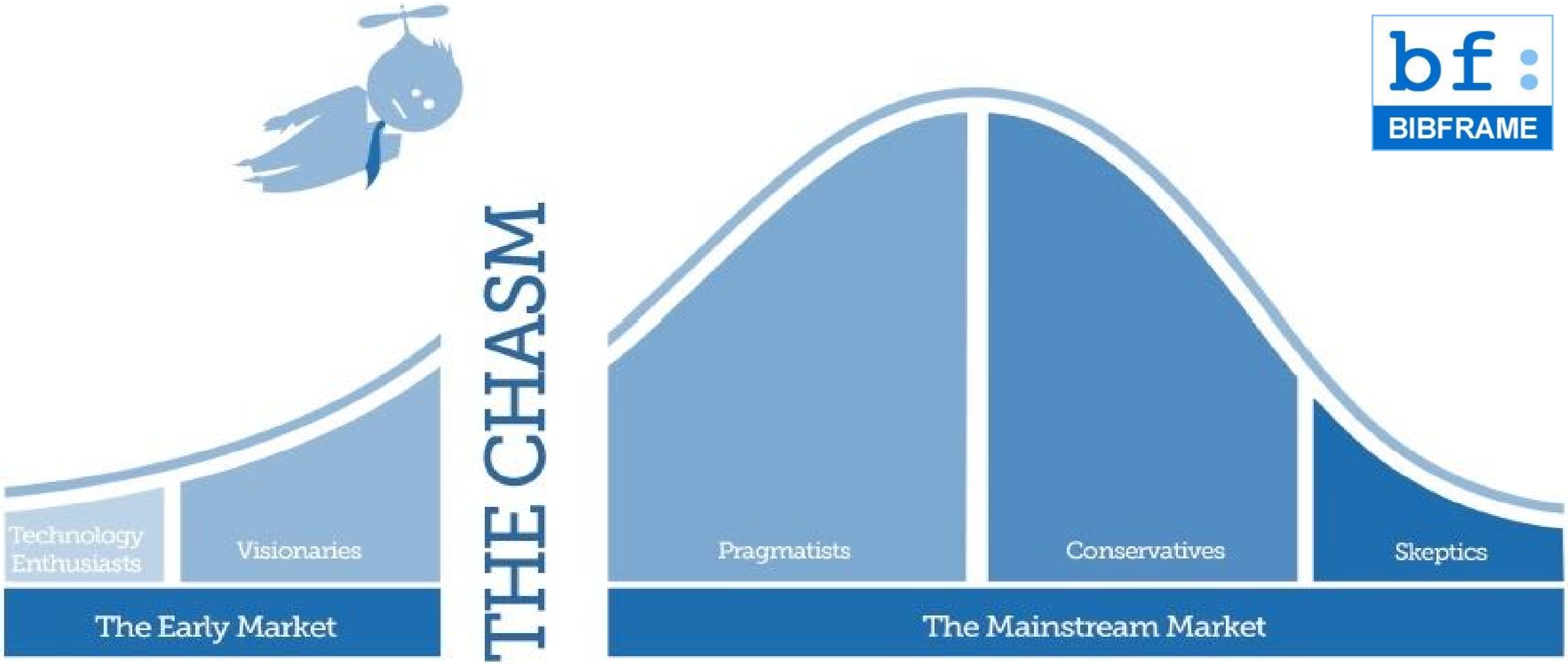
Experimenters

Early Implementers

Data Publishers & Connectors

Mainstream Workflow

Phases of Linked Data / BIBFRAME Adoption



Experimenters

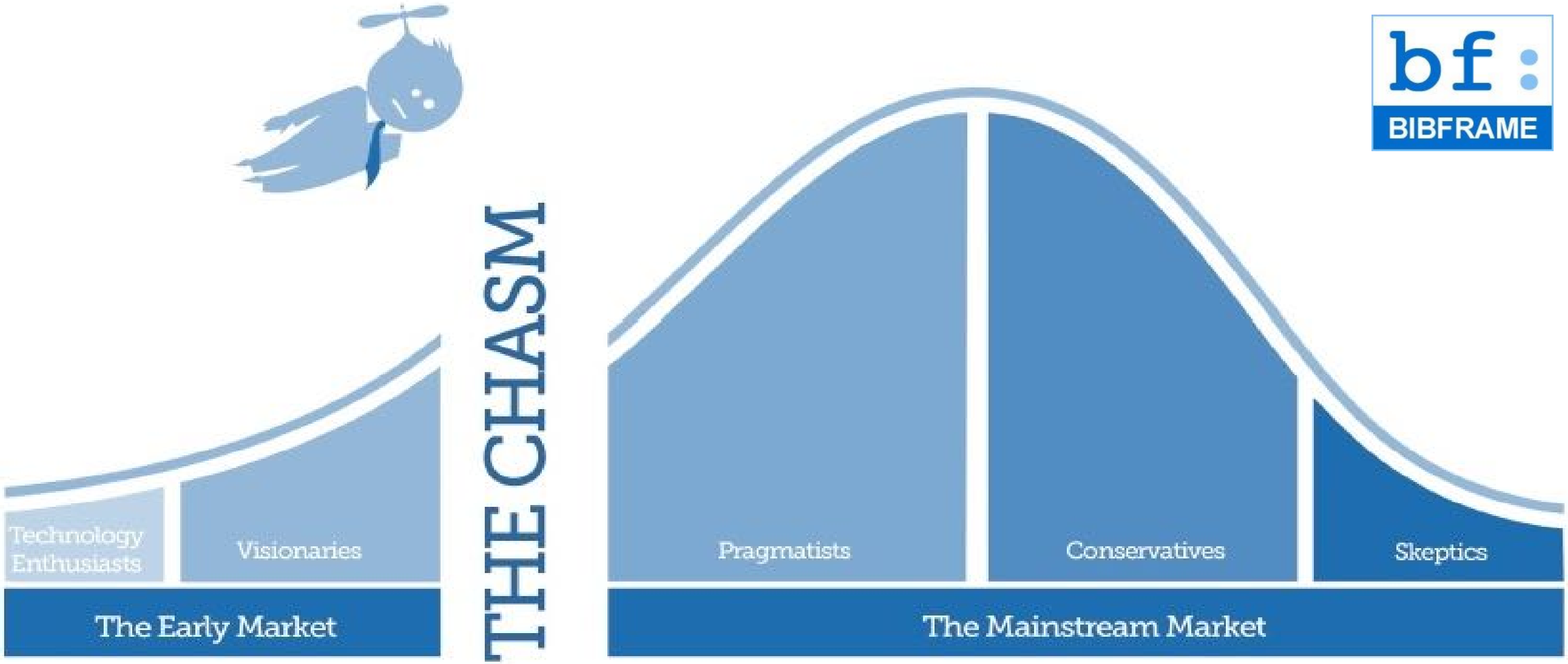
Early Implementers

Data Publishers & Connectors

Mainstream Workflow

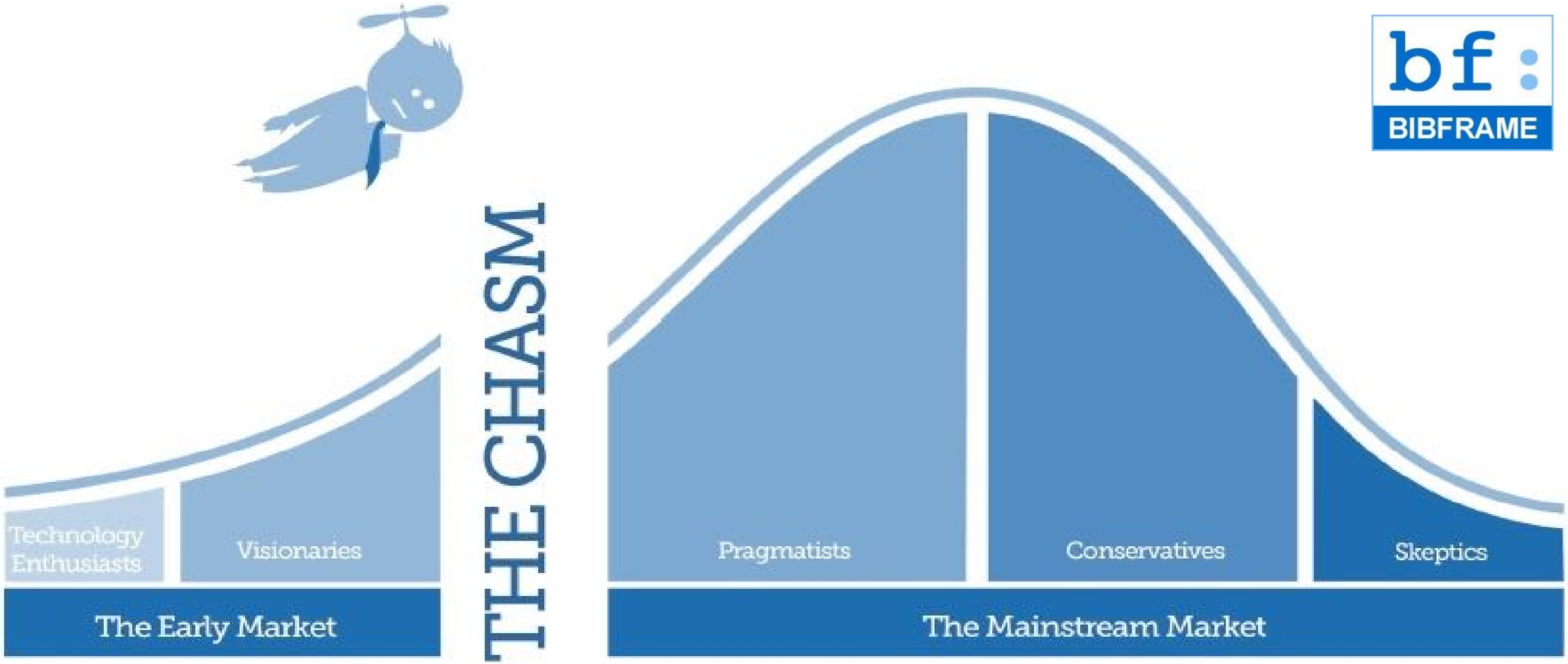
Back Office Systems

Phases of Linked Data / BIBFRAME Adoption

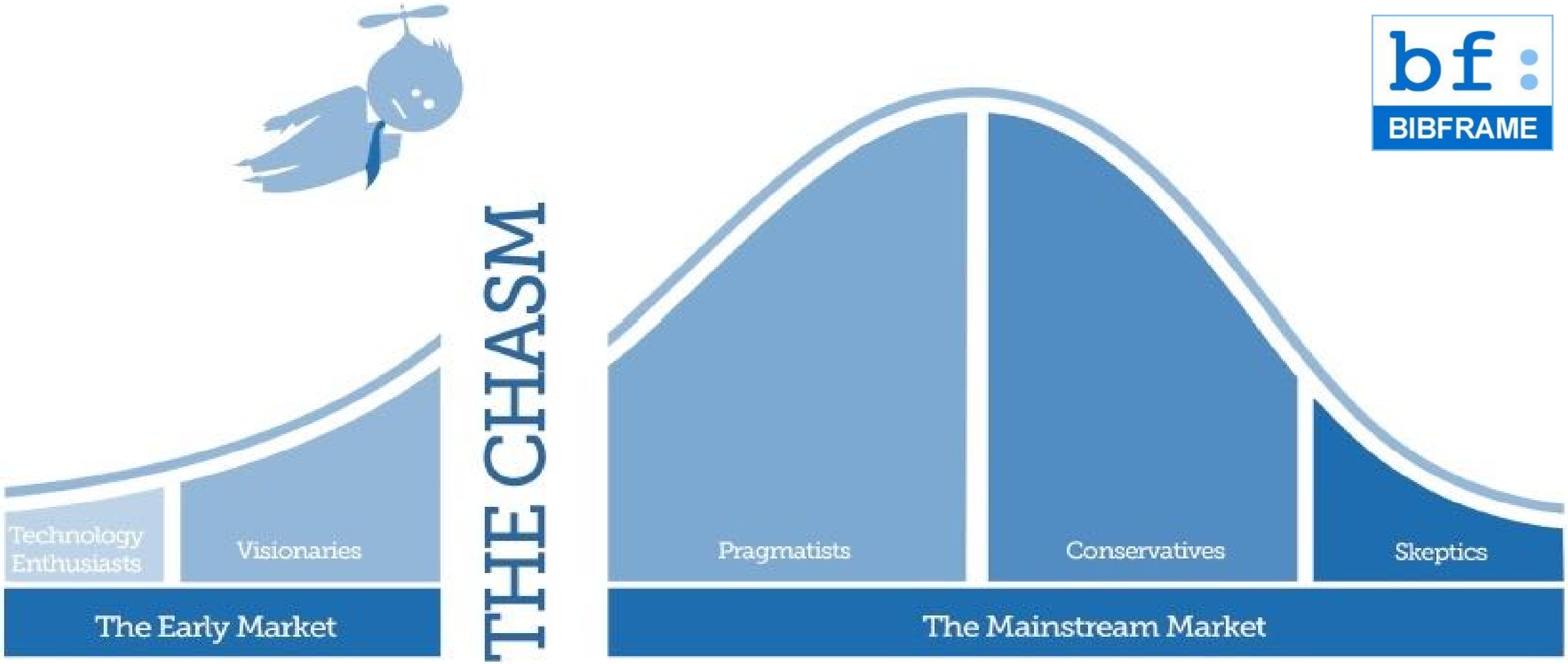


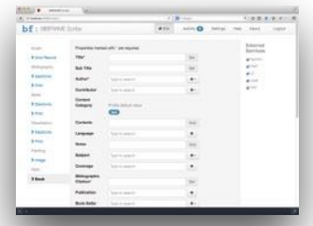
Experimenters	Early Implementers	Data Publishers & Connectors	Mainstream Workflow	Back Office Systems
• *Clarify Space* • *Determine the Need* • *Define a Foundation* • *Draft Specifications*	• *Test the Assumptions* • *Draft Standards* • *Evaluate Data, Processes, & Gaps*	• *Begin to work at scale* • *Use other's data* • *Participate – Publish, Share, Connect*	• *"Final" Standards & Best Practices* • *New businesses and models*	• *"There's Linked Data in there!?"*

Phases of Linked Data / BIBFRAME Adoption



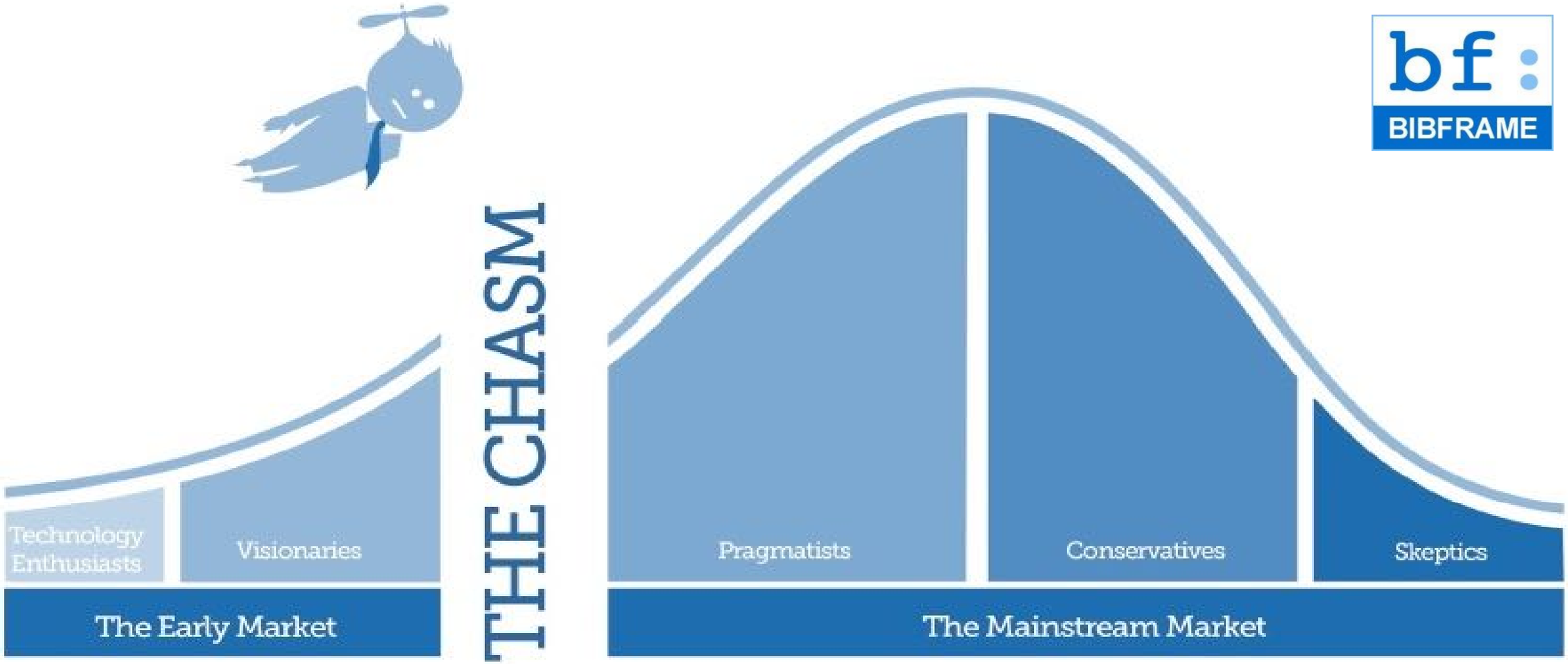
Phases of Linked Data / BIBFRAME Adoption

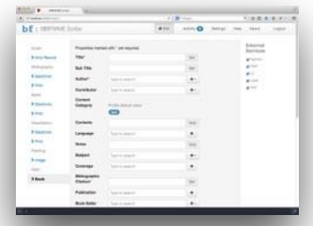




viewshare
interfaces to our heritage

Phases of Linked Data / BIBFRAME Adoption





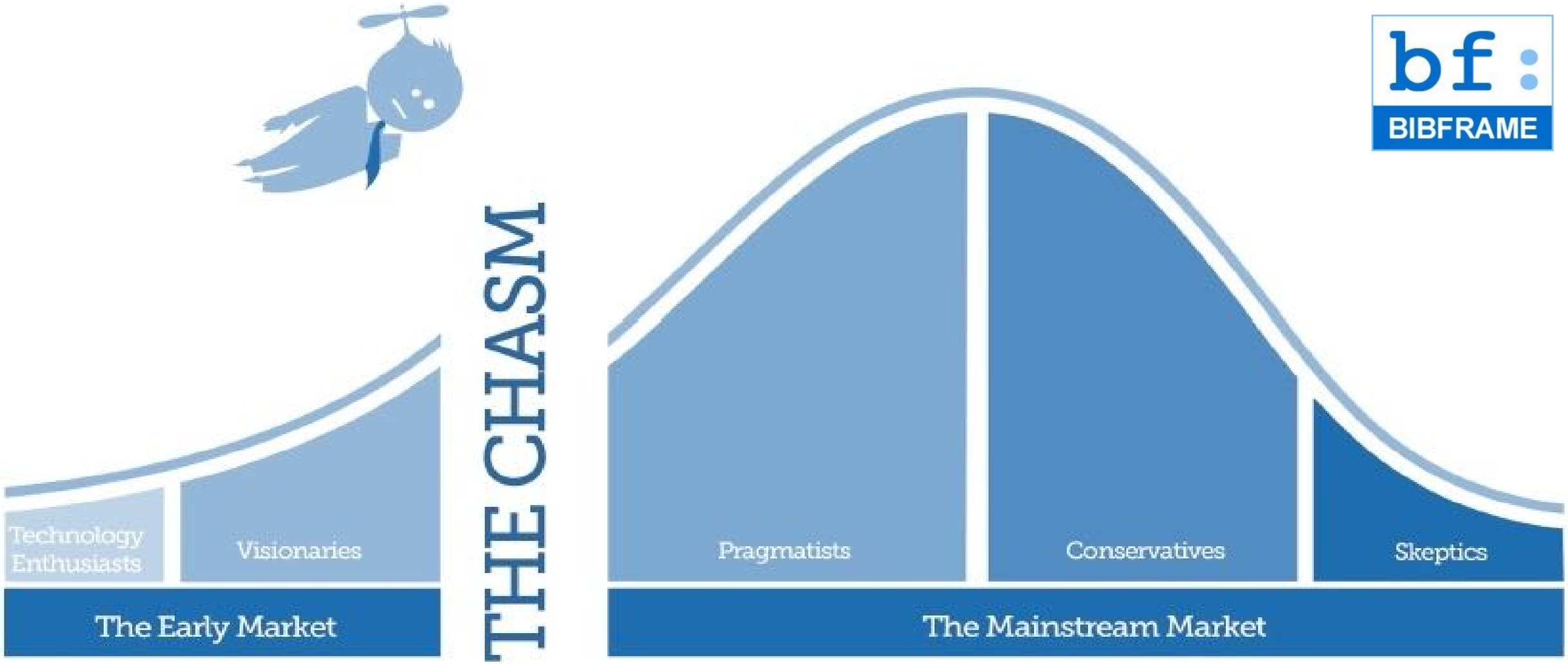
viewshare
interfaces to our heritage

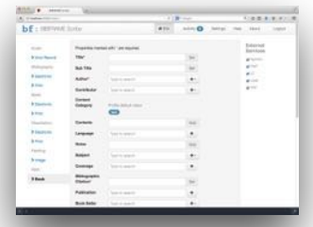
DEUTSCHE NATIONAL BIBLIOTHEK

LIBRARY OF CONGRESS

NLB | National Library Singapore

Phases of Linked Data / BIBFRAME Adoption





viewshare
interfaces to our heritage

DEUTSCHE NATIONAL BIBLIOTHEK

LIBRARY OF CONGRESS

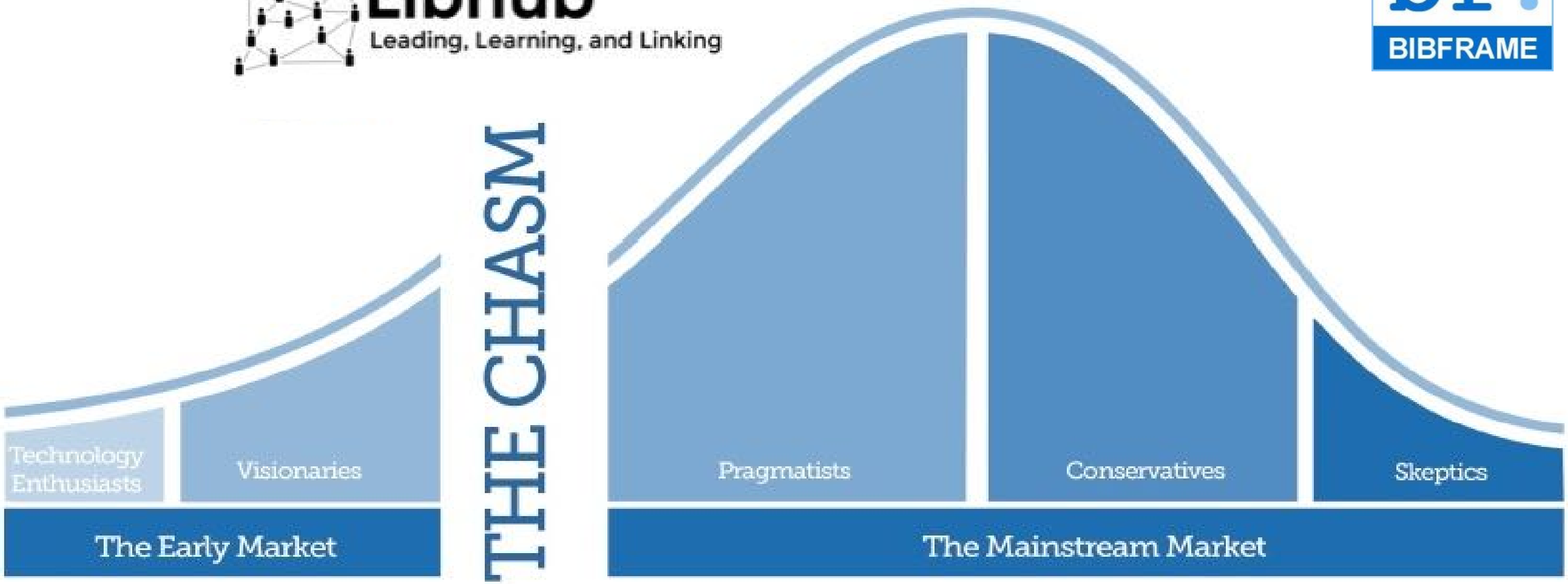
NLB | National Library Singapore

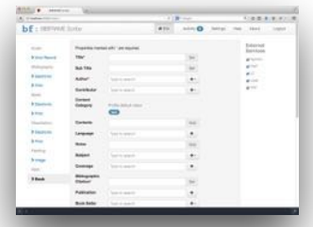
BIBFLOW
AN IMLS PROJECT OF THE UC DAVIS LIBRARY & ZEPHEIRA

Phases of Linked Data / BIBFRAME Adoption

Libhub
Leading, Learning, and Linking

bf:
BIBFRAME





DEUTSCHE NATIONAL BIBLIOTHEK

LIBRARY OF CONGRESS

BIBFLOW
AN IMLS PROJECT OF THE UC DAVIS LIBRARY & ZEPHEIRA

viewshare
interfaces to our heritage

NLB | National Library Singapore

Act 2 :

Speak like the Web

Vague but exciting ...

CERN DD/OC

Information Management: A Proposal

Tim Berners-Lee, CERN/DD

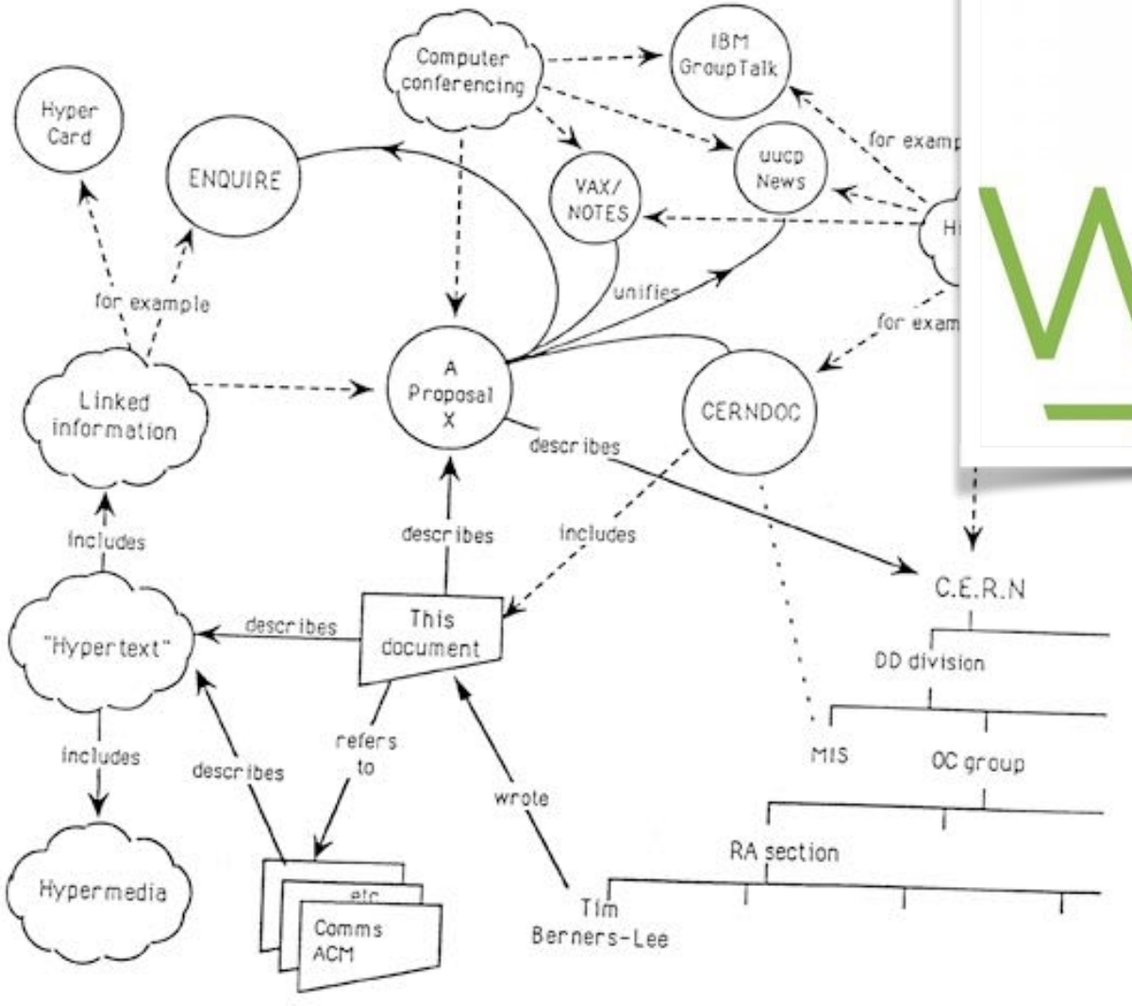
March 1989

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext sytstem.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information managem
control



view-source:www.w3.org

view-source:www.w3.org

Apps for Training - Activity - Z Practical Practitioner NLB Implementation inlink

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<!-- Generated from data/head-home.php, ../../smarty/{head.tpl} -->
<head>
<title>World Wide Web Consortium (W3C)</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<link rel="Help" href="/Help/" />
<link rel="stylesheet" href="/2008/site/css/minimum" type="text/css" media="handheld, all" />
<style type="text/css" media="print, screen and (min-width: 481px)">
/*<![CDATA[*/
@import url("/2008/site/css/advanced");
/*]]>*/
</style>
<link href="/2008/site/css/minimum" rel="stylesheet" type="text/css" media="handheld, only screen and (max-device-width: 480px)" />
<meta name="viewport" content="width=device-width" />
<link rel="stylesheet" href="/2008/site/css/print" type="text/css" media="print" />
<link rel="shortcut icon" href="/2008/site/images/favicon.ico" type="image/x-icon" />
<meta name="description" content="The World Wide Web Consortium (W3C) is an international community where Member organizations, a full-time staff,
and the public work together to develop Web standards." />
<link rel="alternate" type="application/atom+xml" title="W3C News" href="/blog/news/feed/atom" />
</head>
<body id="www-w3-org" class="w3c_public w3c_home">
<div id="w3c_container">
<!-- Generated from data/mast-home.php, ../../smarty/{mast.tpl} -->
<div id="w3c_mast"><!-- #w3c_mast / Page top header -->
<h1 class="logo"><a tabindex="2" accesskey="1" href="/"><img src="/2008/site/images/logo-w3c-mobile-lg" width="90" height="53" alt="W3C" /></a> <span
class="alt-logo">W3C</span></h1>
<div id="w3c_nav">
<form id="region_form" action="http://www.w3.org/Consortium/contact">
<div><select name="region">
<option selected="selected" title="Get Information about W3C By Region">W3C By Region</option>
<option value="all">All</option>
<option value="au">Australia</option>
<option xml:lang="de" lang="de" value="de">&#xD6;sterreich
(Austria)</option>
<option lang="nl" xml:lang="nl" value="nl">Belgi&#xEB;
(Belgium)</option>
<option value="za">Botswana</option>
<option xml:lang="pt-br" value="br" lang="pt-br">Brasil
(Brazil)</option>
<option xml:lang="zh-hans" value="cn" lang="zh-hans">&#x4E2D;&#x56FD;
(China)</option>
<option xml:lang="fi" value="fi" lang="fi">Suomi (Finland)</option>
<option xml:lang="de" value="de" lang="de">Deutschland
(Germany)</option>
<option xml:lang="el" value="gr" lang="el">&#x395;&#x3BB;&#x3BB;&#x3AC;&#x3B4;&#x3B1; (Greece)</option>
<option xml:lang="fr" value="fr" lang="fr">France</option>
<option xml:lang="hu" value="hu" lang="hu">Magyarorsz&#xE1;g
(Hungary)</option>
<option xml:lang="hi" value="in" lang="hi">&#x92D;&#x93E;&#x930;&#x924; (India)</option>
<option xml:lang="ga" lang="ga" value="gb">&#xC9;ire (Ireland)</option>
<option xml:lang="he" value="il" lang="he">&#x5D9;&#x5E9;&#x5E8;&#x5D0;&#x5DC; (Israel)</option>
<option xml:lang="it" value="it" lang="it">Italia (Italy)</option>
<option xml:lang="ja" value="jp" lang="ja">&#x65E5;&#x672C; (Japan)</option>
<option xml:lang="ko" value="kr" lang="ko">&#xD55C;&#xAD6D; (Korea)</option>
<option value="za">Lesotho</option>
```

The Web (Redux)

- Identifiers (URI)
- Relationships (Links)
- Services

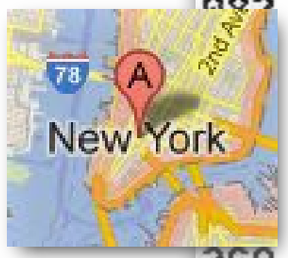
MARC as “Things not Strings”

```
001      26132811
008      920608s1992    nyu       bf   001 0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050  00  $aZ678.9$b.C58 1992
082  00  $a025/.00285$220
100  1   $aCohn, John M
245  10  $aPlanning for automation :$ba how-to-do it manual for
         librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michael
         Fiels
260      $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440   0  $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650   0  $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650   0  $aLibrary planning$xHandbooks, manuals, etc
700  10  $aKelsey, Ann L
700  10  $aFiels, Keith Michael
```

MARC as “Things not Strings”

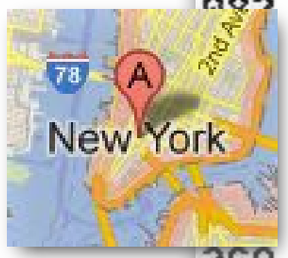
```
001      26132811
008      920608s1992    nyu                  0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050   00 $aZ678.9$b.C58 1992
082   00 $a025/.00285$220
100   1  $aCohn, John M
245   10 $aPlanning for automation :$ba how-to-do it manual for
         librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michael
         Fiels
260      $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440    0 $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650    0 $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650    0 $aLibrary planning$xHandbooks, manuals, etc
700   10 $aKelsey, Ann L
700   10 $aFiels, Keith Michael
```

MARC as “Things not Strings”

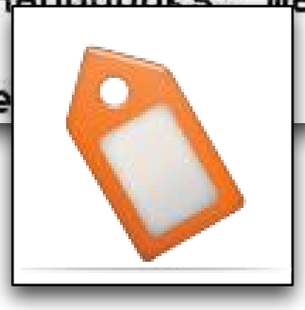



```
001      26132811
008      920608s1992    nyu                    0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050   00 $aZ678.9$b.C58 1992
082   00 $a025/.00285$220
1     1  $aCohn, John M
10    10 $aPlanning for automation :$ba how-to-do it manual for
         librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michael
         Fiels
260      $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440    0 $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650    0 $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650    0 $aLibrary planning$xHandbooks, manuals, etc
700   10 $aKelsey, Ann L
700   10 $aFiels, Keith Michael
```

MARC as “Things not Strings”

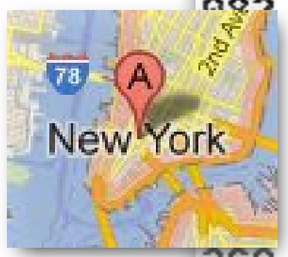



```
001      26132811
008      920608s1992    nyu                    0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050   00 $aZ678.9$b.C58 1992
082   00 $a025/.00285$220
1     $aCohn, John M
10 $aPlanning for automation :$ba how-to-do it manual for
   librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michael
   Fiels
260      $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440    0 $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650    0 $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650    0 $aLibrary planning$xHandbooks, manuals, etc
700   10 $aKelsey, Ann L
700   10 $aFiels, Keith Michae
```



MARC as “Things not Strings”

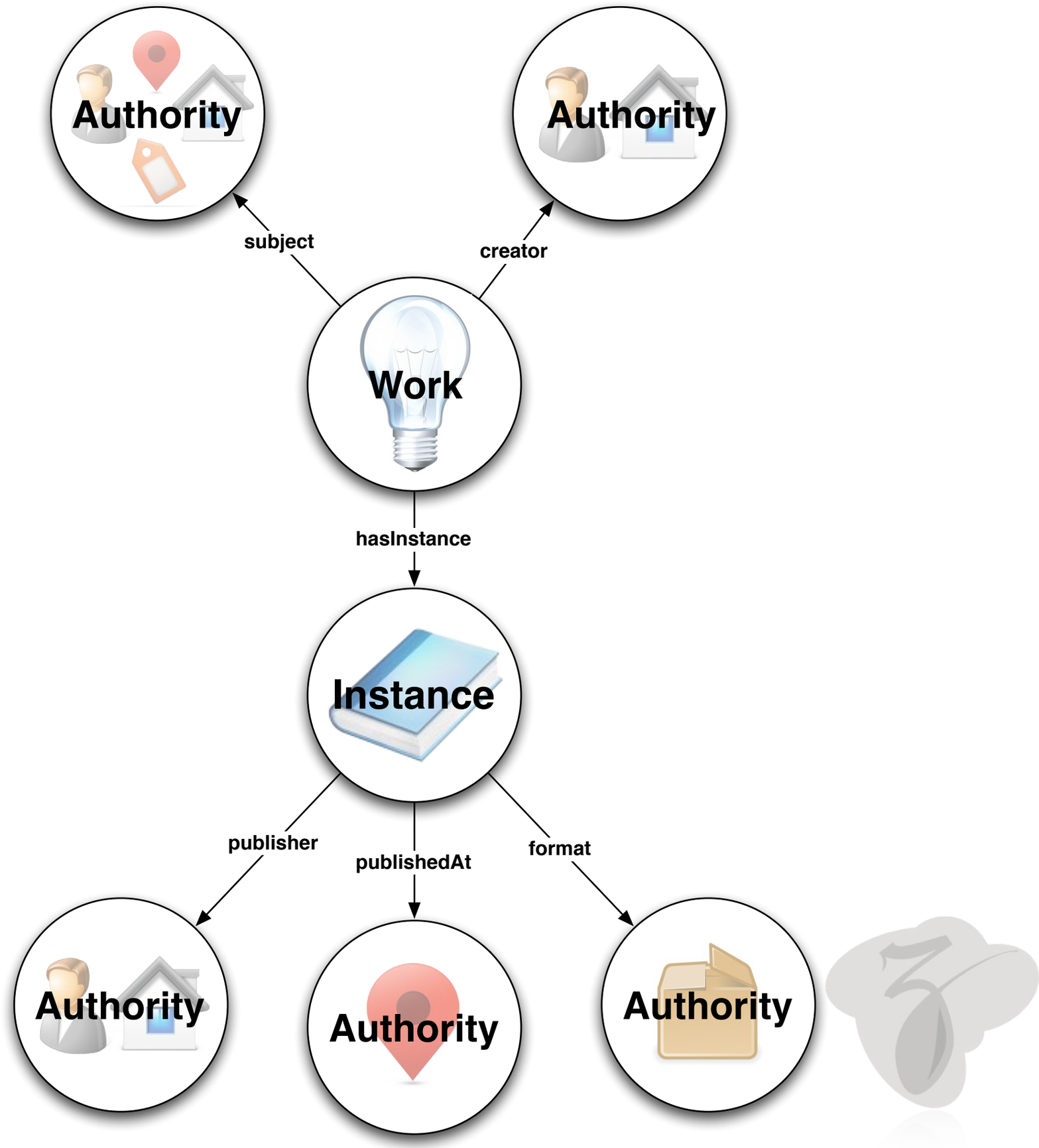
```
001      26132811
008      920608s1992    nyu                    0 eng
010      $a92021087
020      $a1555701205
040      $aDLC$cDLC$dAGL
049      $aHNKA
050   00 $aZ678.9$b.C58 1992
082   00 $a025/.00285$220
100    1 $aCohn, John M
245   10 $aPlanning for automation :$ba how-to-do it manual for
         librarians /$cJohn M. Cohn, Ann L. Kelsey, Keith Michae
         Fiels
260      $aNew York :$bNeal Schuman Publishers,$cc1992
300      $avi, 116 p. ;$c28 cm
440    0 $aHow-to-do it manuals for libraries ;$vno. 25
504      $aIncludes bibliographical references and index
650    0 $aLibraries$xAutomation$xManagement$xHandbooks, manuals, etc
650    0 $aLibrary planning$xHandbooks, manuals, etc
700   10 $aKelsey, Ann L
700   10 $aFiels, Keith Michae
```



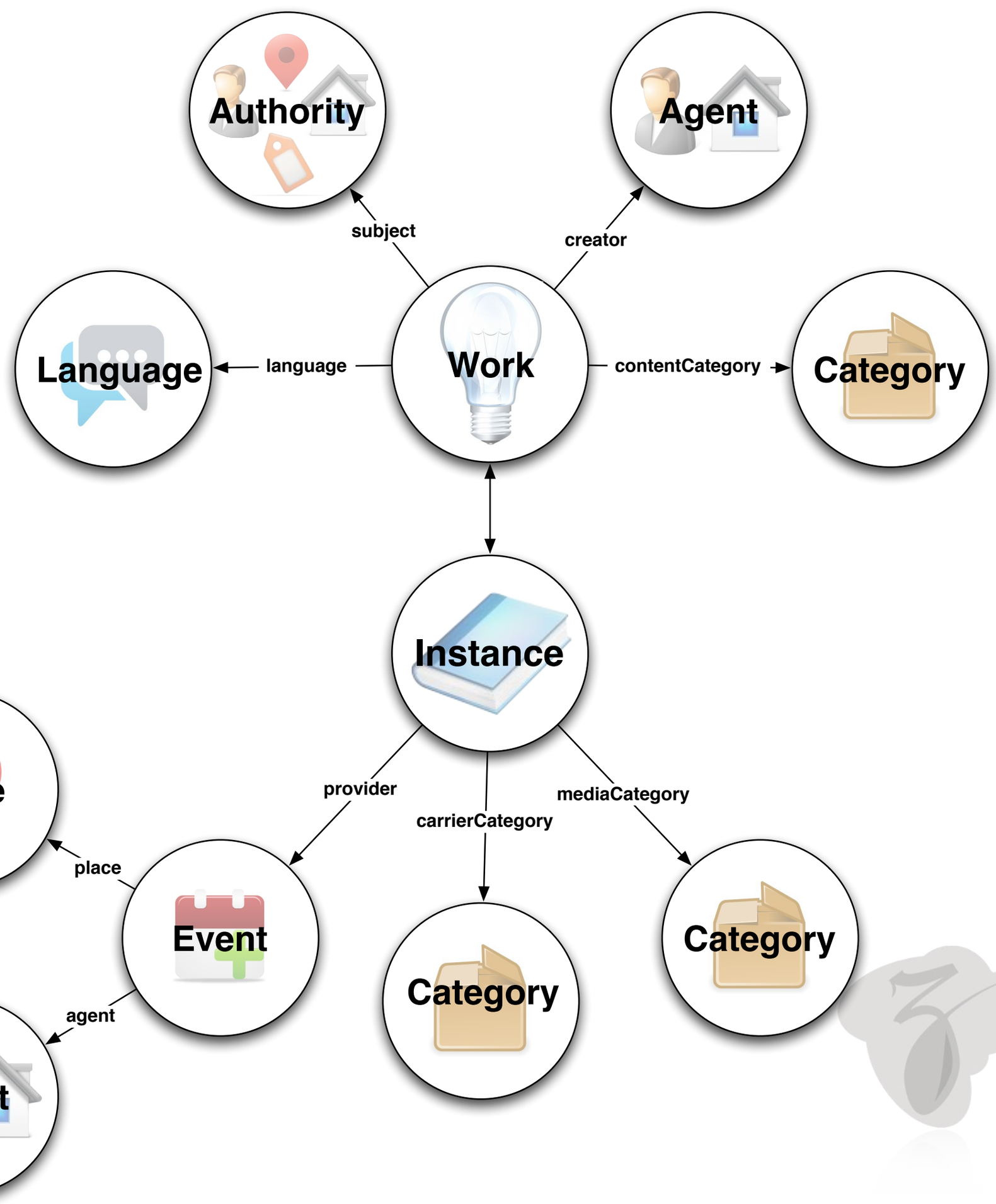
BIBFRAME

Core model for defining Web control points of bibliographic data for more effective sharing, navigation and collaboration

Simple, replicable linked data patterns

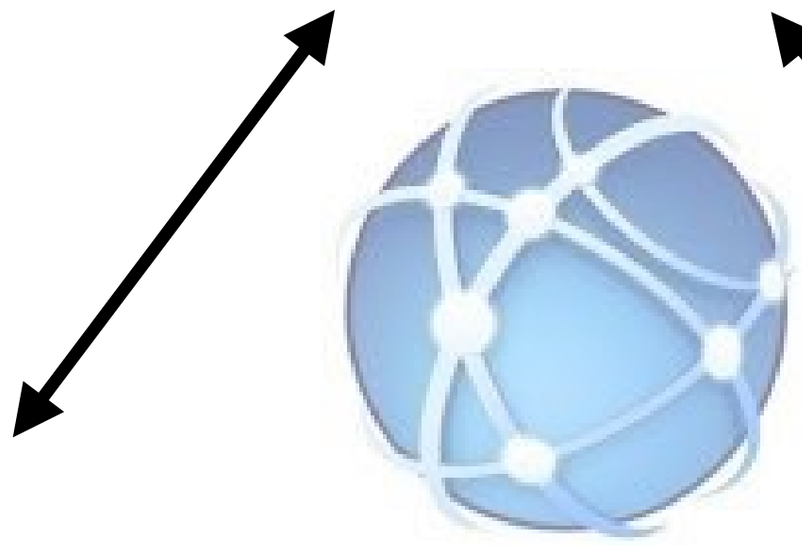


And we can replicate these simple patterns to define as many control points we need



Practical Practitioners

Content



Conversation ⟷ Community

Practical Practitioners Community

GW

DENVER PUBLIC LIBRARY

epl.ca EDMONTON PUBLIC LIBRARY

WORTHINGTON LIBRARIES

Te Puna Mātauranga o Aotearoa NATIONAL LIBRARY OF NEW ZEALAND

GEORGE MASON UNIVERSITY

MULTNOMAH COUNTY LIBRARY

COLUMBIA UNIVERSITY LIBRARIES

TEXAS A&M UNIVERSITY LIBRARIES

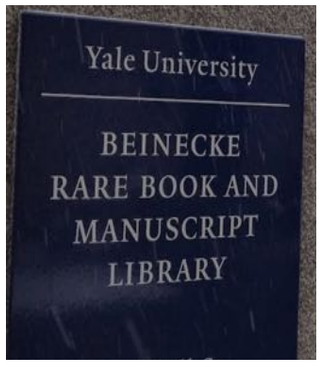
NATIONAL LIBRARY OF MEDICINE

Stanford University LIBRARIES

GEORGETOWN LAW LIBRARY

UNIVERSITY LIBRARIES UNIVERSITY of WASHINGTON

CALIFORNIA STATE UNIVERSITY FULLERTON 1957



THE PEABODY INSTITUTE OF THE JOHNS HOPKINS UNIVERSITY

BGSU UNIVERSITY LIBRARIES

http://zepheira.com/training

As a cornerstone of Zepheira's Practical Practitioner series, we believe participants need to get hands on with their own data. To that end, our training includes access to an introductory set of utilities to guide participants through data import, analysis and end user discovery.

The following MARC diagnostics and BIBFRAME transformation service is provided to participants of this training curriculum. To get started link to, paste in, or upload a MARC XML file (up to 100 records). Feel free to add a 'title' to the data to help describe what you've uploaded.

Load MARC Data from a URL | Pasted MARC Text | Upload MARC File

Title (optional)

URL

Submit URL

Advanced Settings (click to learn more)

Don't have access to a set of MARC records? Here are some examples others have uploaded. Drag or copy the following links to the URL Input form above to transform these records.

- George Washington sample collection (small)
- National Library of Medicine sample collection (medium)
- George Mason University DVD Backstage sample (large)
- Sample Rare Book / Manuscript collection (small)
- Sample Music collection (small)

NLM Sample

Excellent! The transformation and diagnostics process was successful. Feel free to bookmark this page to come back to it in the future. Now that you have, you're ready to begin!

1 To better understand your uploaded data first look at the MARC Field Diagnostics Viewer

2 Now take a look at the BIBFRAME Resource Viewer to help better understand the MARC Records to BIBFRAME Resources transformation process.

3 And finally here is a BIBFRAME Work-focused Navigator or a BIBFRAME Collection Navigator to illustrate how your data might look like in a traditional discovery application.

4 Don't forget to Download your RDF BIBFRAME data

5 And since the future direction of these tools rely on your input Help Shape What Comes Next

Summary

- Processing started on **2014-12-02 at 15:38**
- **193** MARC records analysed in **6.99** seconds
- Input Format:

Observations (Example)

- **193** MARC records converted to **1214** BIBFRAME Resources
- **230** BIBFRAME Resources folded indicating this data is **moderately connected**

BIBFRAME RESOURCE VIEWER

NLM SAMPLE

GENERATED 2014-12-02 AT 15:38 FROM 193 RECORDS
USING CURRENT PIPELINE VERSION 0.5.1

Search

Type

325 Topic
200 Instance
197 Work
168 ProviderEvent
158 Person
141 Agent
112 Place
70 Organization
23 Series
21 Genre
6 Collection
2 Meeting

1423 Resources

sorted by: labels; then by... • grouped as sorted

1 • 2 • 3 ... 72 Next »

1. oXD85ZJ7 (link)

label:	oXD85ZJ7
type:	Topic
URI:	https://linksmith.ze ... mple_3/item#oXD85ZJ7
name:	Hospitals, Military
sf-x:	history
sf-a:	Hospitals, Military
bf-id:	oXD85ZJ7
generalSubdivision:	history

2. qNmTh3yY (link)

label:	qNmTh3yY
type:	Work
URI:	https://linksmith.ze ... mple_3/item#qNmTh3yY
bf-id:	qNmTh3yY
mediaCategory:	unmediated
tag-995a:	AUTH
language:	rus
tag-880c:	[2012], выпускающий редактор, А.В. Харевин.
contentTypeCode:	txt
nlmCallNumber:	WX 27 GR9, 2013 B-503
tag-0359:	101603036
subject:	OZy2W9Qb, rS9xqPrn, PirWzlep, oXD85ZJ7
tag-995b:	20130909

BIBFRAME WORK-FOCUSED NAVIGATOR

NLM SAMPLE

GENERATED 2014-12-02 AT 15:38 FROM 193 RECORDS
USING CURRENT PIPELINE VERSION 0.5.1

Search

Names

16 (missing this field)
7 Lunds universitet,
5 International Union of Crystallography.
5 Lookingbill, Donald P.,
5 Marks, James G.,
5 National Library of Medicine (U.S.)
4 Miller, James

Subjects

19 (missing this field)
8 United States
7 Crystallography
6 General Surgery
5 Archaeology
5 Italy
5 Skin Diseases
5 Surgical Procedures,

Genres

127 (missing this field)
44 Periodicals
6 Congresses

197 Works

1. **305 let pervomu gosudarstvennomu lechebnomu uchrezhdeniiu Rossii : 1707--2012 / vypuskaiushchiĭ redaktor, A.V. Kharevin.**

Contributor(s) Kharevin, A. V.,

Subject(s) Military Medicine > history
Russia
Glavnyĭ voennyĭ gospital' (Moscow, R.S.F.S.R.)
Hospitals, Military > history

Language rus

NLM Call Nu... WX 27 GR9 and 2013 B-503

Item(s) **305 let pervomu gosudarstvennomu lechebnomu uchrezhdeniiu Rossii :**

Publisher(s) Ėko-Press, [2012] Moskva :

ISBN 9785904301880

Extent 121 pages :

2. **Put' vverkh k podnozhiiu vershin : avtobiograficheskie zametki / Nikolaĭ**

BIBFRAME COLLECTION-FOCUSED NAVIGATOR

NLM SAMPLE

GENERATED 2014-12-02 AT 15:38 FROM 193 RECORDS
USING CURRENT PIPELINE VERSION 0.5.1

Search

Collection Type

23 Series
6 Collection

29 Items

1. **Disasters of war.**
   Member(s) Aun podrán servir Goya.

2. **Medical subject headings.**
   Member(s) Qāʾiamat ruʾūs al-mawḍūʿāt al-ṭibbīyah.

3. **Duus' neurologisch-topische Diagnostik.**
   Member(s) Duus' topical diagnosis in neurology : Mathias Baehr, Michael Frotscher ; with contributions by Wilhelm Kueker ; founding author, Peter Duus ; 400 illustrations by Gerhard Spitzer and Barbara Gay.
   Duus' topical diagnosis in neurology : Mathias Baehr, Michael Frotscher ; with contributions by Wilhelm Kueker ; founding author, Peter Duus ; translated by Ethan Taub ; 400 illustrations, most in color, by Gerhard Spitzer and Barbara Gay.

4. **Physica.**
   Member(s) Livre des subtilités des créatures de diverses natures = Sainte Hildegarde de Bingen ; traduits, presentés et annotés par Bernard Verten.

BIBFRAME RESOURCE VIEWER

NLM SAMPLE

GENERATED 2014-12-02 AT 15:38 FROM 193 RECORDS
USING CURRENT PIPELINE VERSION 0.5.1

1423 Resources

Search

Type

325 Topic
200 Instance
197 Work
168 ProviderEvent
158 Person
141 Agent
112 Place
70 Organization
23 Series
21 Genre
6 Collection
2 Meeting

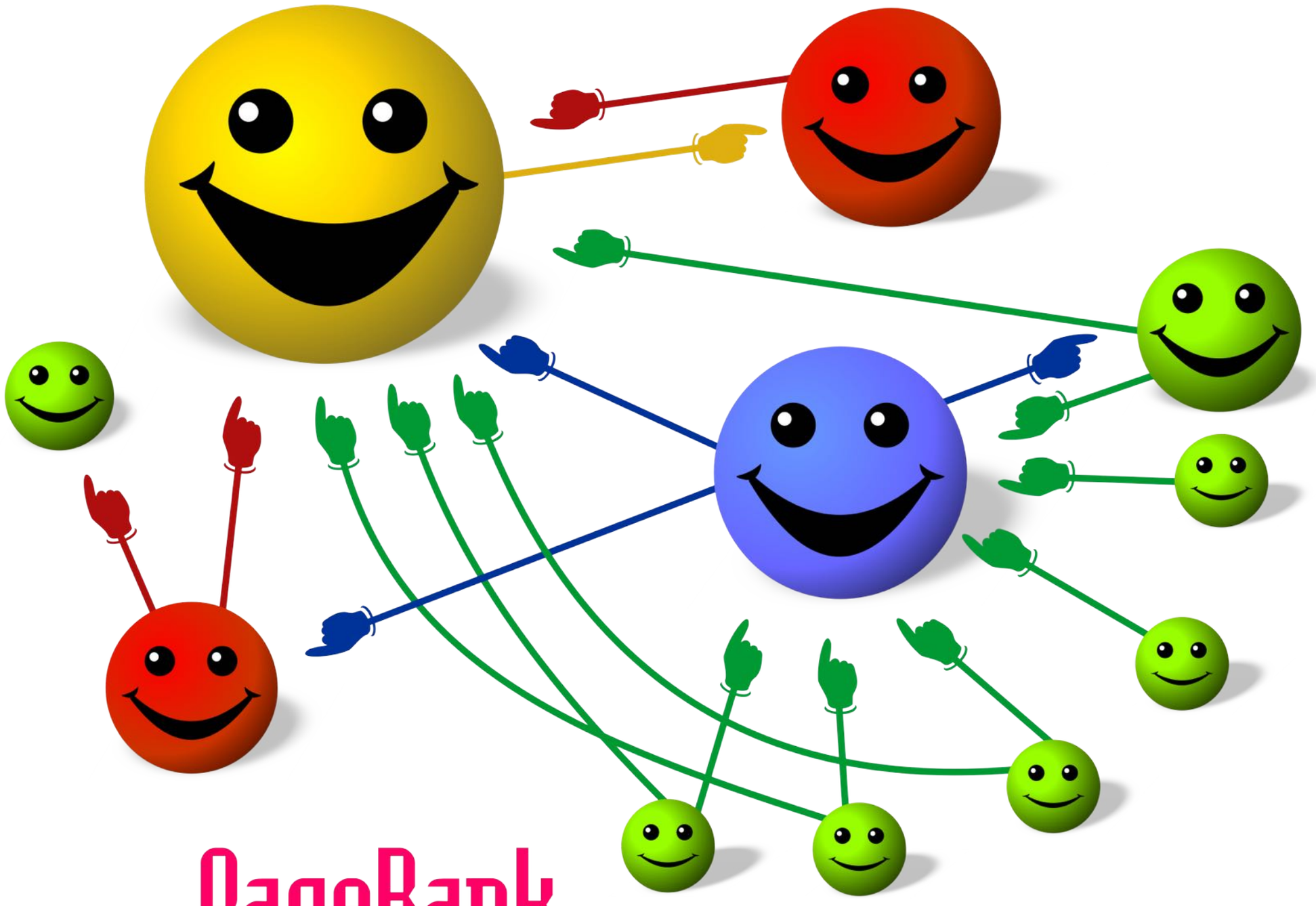
sorted by: labels; then by... • ○ grouped as sorted

1 • 2 • 3 ... 72 Next »

1. oXD85ZJ7 (link)
label: oXD85ZJ7
type: Topic
URI: https://linksmith.ze ... mple_3/item#oXD85ZJ7
name: Hospitals, Military
sf-x: history
sf-a: Hospitals, Military
bf-id: oXD85ZJ7
generalSubdivision: history

2. qNmTh3yY (link)
label: qNmTh3yY
type: Work
URI: https://linksmith.ze ... mple_3/item#qNmTh3yY
bf-id: qNmTh3yY
mediaCategory: unmediated
tag-995a: AUTH
language: rus
tag-880c: [2012], выпускающий редактор, А.В. Харевин.
contentTypeCode: txt
nlmCallNumber: WX 27 GR9, 2013 B-503
tag-0359: 101603036
subject: OZy2W9Qb, rS9xqPrn, PirWzlep, oXD85ZJ7
tag-995b: 20130909

A link is worth a 1000 words



LINKED DATA SUMMARY STATISTICS

NLM SAMPLE

GENERATED 2014-12-02 AT 13:16 FROM 193 RECORDS
USING CURRENT PIPELINE VERSION 0.0.1

Zepheira TEAM confidential

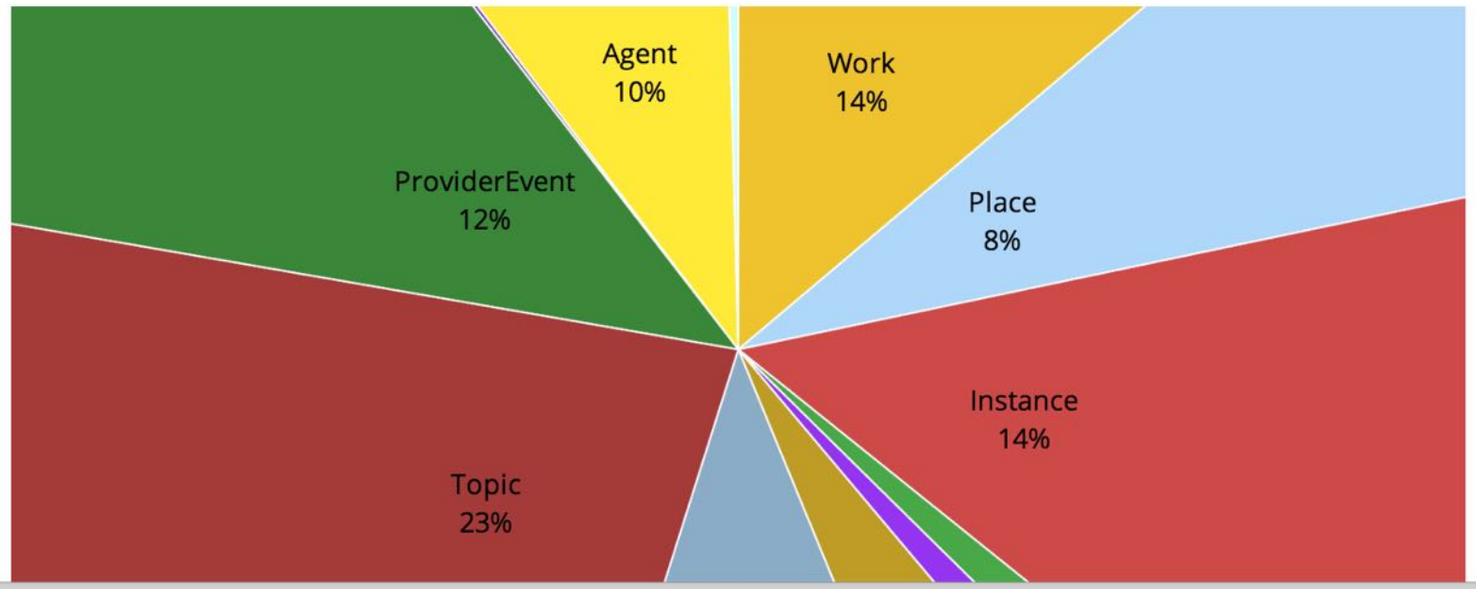
Summary
Resource Types
Folding
Dropped Codes
Data Normalization
Local Extensions

Summary

- **193 MARC records converted to 1423 BIBFRAME Resources**
- **498 BIBFRAME Resources folded indicating this data is highly connected**
- **168 MARC tags did not match applied transformation rules indicating this data is moderate candidate for custom rule design**
- **38 MARC tags identified as local extensions indicating this data is strong candidate for local rule design**

Resource Types

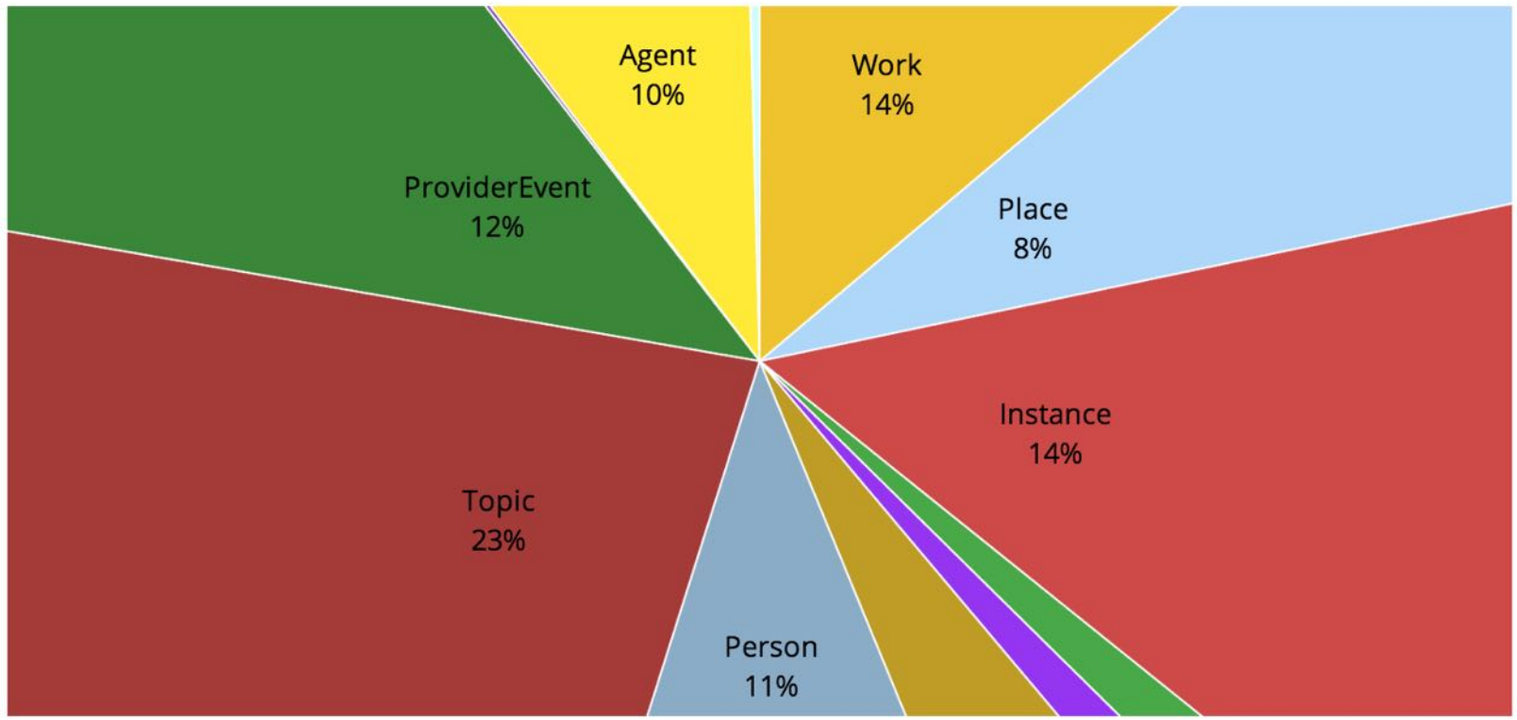
1423 BIBFRAME Resources were materialized from 193 MARC records



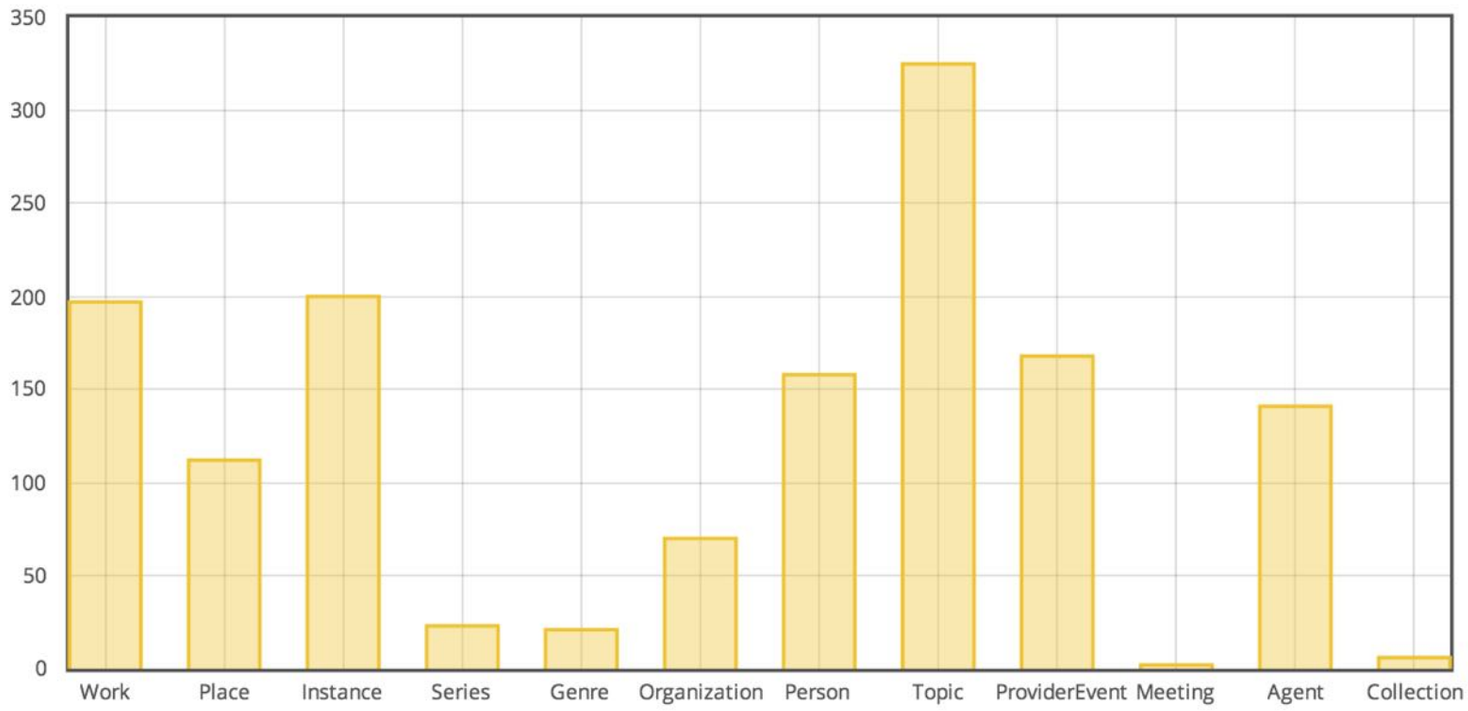
Summary
Resource Types
Folding
Dropped Codes
Data Normalization
Local Extensions

Resource Types

1423 BIBFRAME Resources were materialized from 193 MARC records



The following is a breakdown of Resource Types by total count of materialized resources.

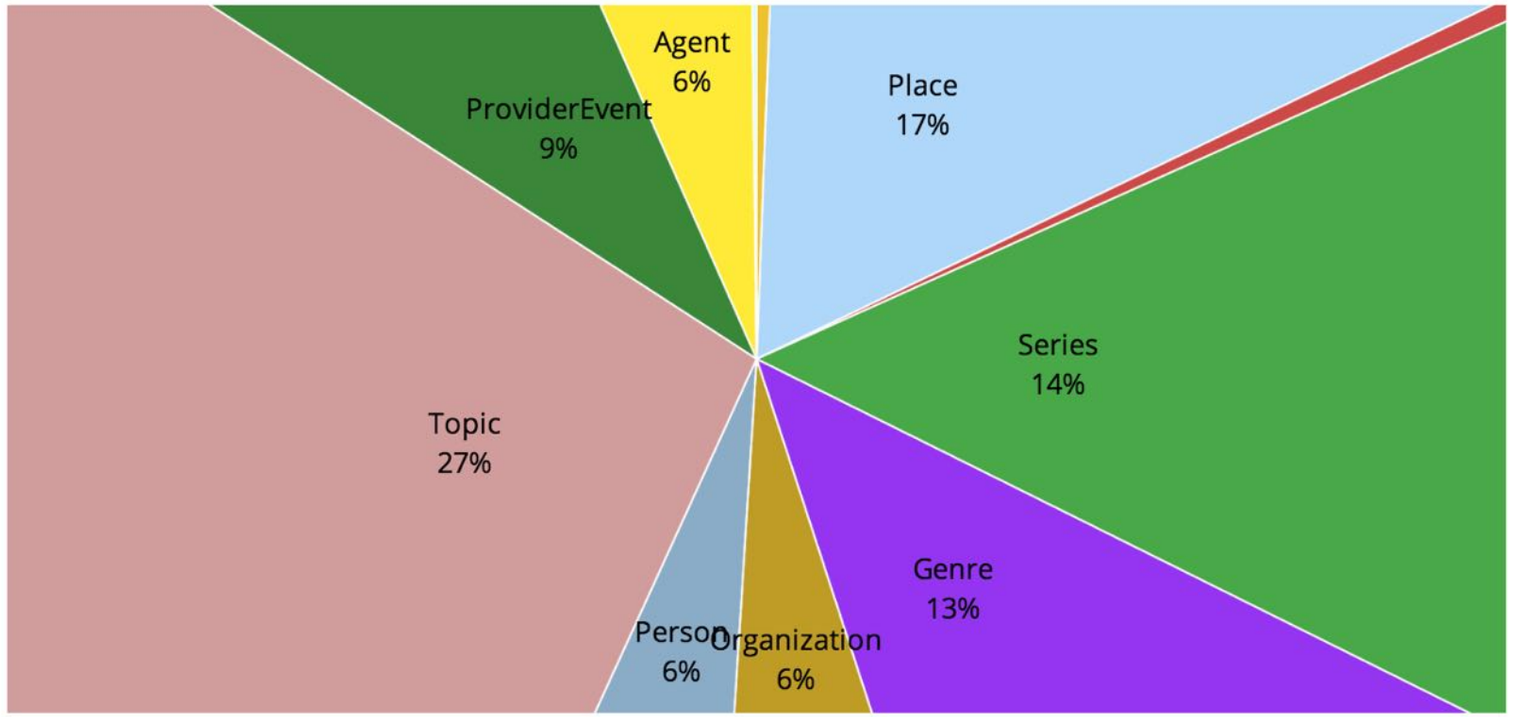


Breakdown of Resource Types by Count

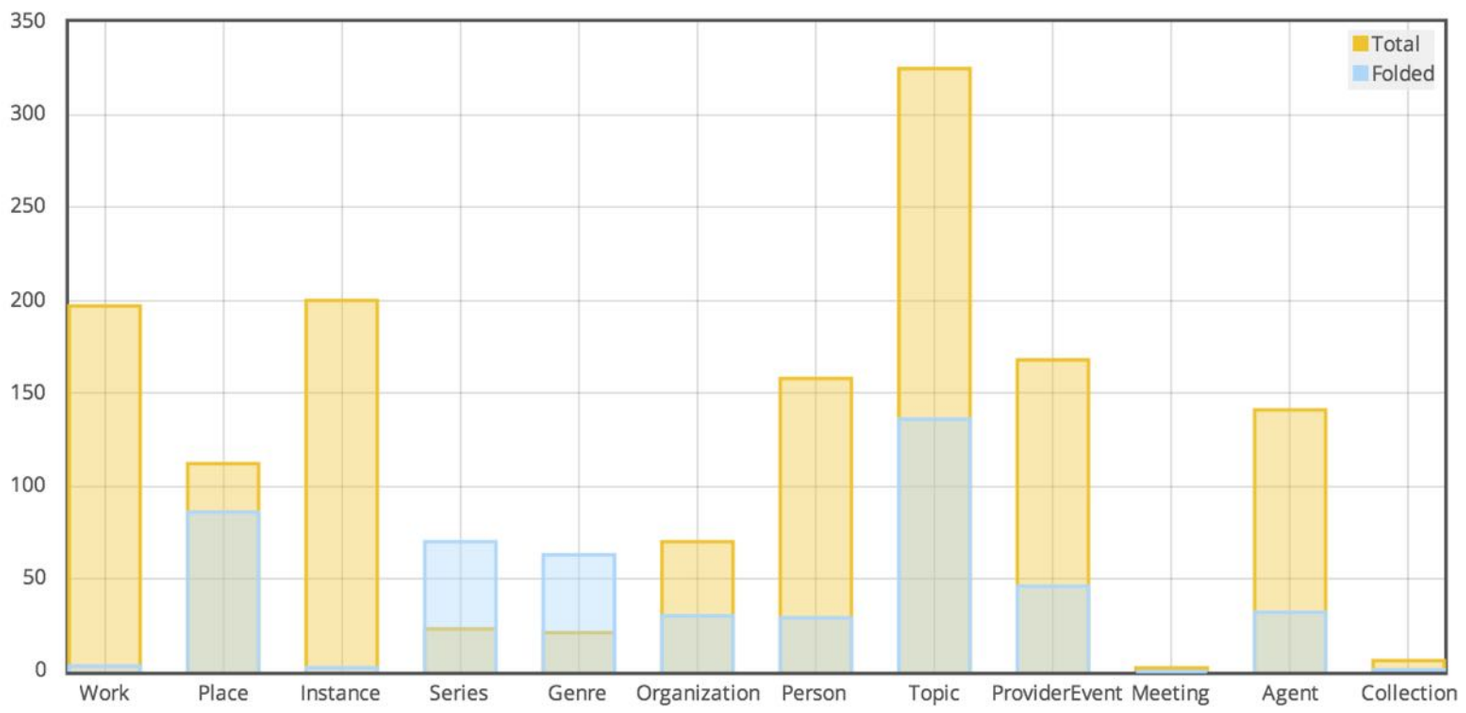
Summary
Resource Types
Folding
Dropped Codes
Data Normalization
Local Extensions

Folding

Of the 1423 BIBFRAME Resources generated, 498 resources folded. The following is a percentage breakdown by Resource type.



The following is a breakdown of Resource Types by Total count of materialized resources and associated Folding counts.



Opportunity

OCLC Research

BIBFRAME Scribe | carcinoma - Google Searc

editor.bibframe.zepheira.com/static/

bf: BIBFRAME Scribe

Eric | Activity 3 | Settings | Help | About | Logout

Audio:
- Vinyl Record

Bibliography:
- Electronic
- Print

Book:
- Electronic
- **Print**

Dissertation:
- Electronic
- Print

Painting:
- Image

Title	Set
Title Remainder	Set
Author	Type to search +
Editor	Type to search +
Contributor	Type to search +
Translator	Type to search +
Illustrator	Type to search +
Content Category	Profile default value: text
Contents	Add
Language	Type to search +
Notes	Add
LCC Classification	Set
Subject	carcinoma +
Has Other Edition	
Is Edition Of	
Is Translation Of	
Has Translation	
Is Version Of	Type to search +
Has Version	Type to search +

Not the right match? Use the + button to create a new resource

- **Carcinoma** AGROVOC
- **Squamous cell carcinoma** FAST
- Renal cell **carcinoma** FAST
- Basal cell **carcinoma** FAST
- Merkel cell **carcinoma** FAST

External Services

- AgroVoc
- FAST
- LC
- Local
- VIAF

The Linkable Molly Brown

Then we took a turn:

Brown, Margaret Tobin, 1867-1932
http://viaf.org/viaf/60020391

hasInstance
instanceOf

Molly Brown : sharing her good fortune

Molly Brown : sharing her good fortune
http://catalog.denverlibrary.org/search/title.aspx?ctx=1.1033.0.0.6&cn=386714

Molly Brown House Museum
http://www.mollybrown.org

Molly Brown House
http://www.mollybrown.org/visit-us/map-and-directions/

National Trust for Historic Preservation in the United States
http://viaf.org/viaf/141353304

Denver (Colo.)
http://lccn.loc.gov/n79055157

Politics and Government
http://id.loc.gov/authorities/subjects/sh2002011436

Local history
http://id.loc.gov/authorities/subjects/sh85077932

Suffragists—United States—Colorado
http://id.loc.gov/authorities/subjects/sh85129648

Distinctive Destinations
http://www.preservationnation.org/travel-and-sites/distinctive-destinations/

The unsinkable Molly Brown : a musical comedy
http://catalog.denverlibrary.org/search/title.aspx?ctx=1.1033.0.0.6&pos=1

Titanic (Steamship)
http://lccn.loc.gov/n50082026

Shipwreck Survival
http://id.loc.gov/authorities/subjects/sh2011000668

BIBFRAME Lite Icon Key

Link
Annotation
Work
Instance
Authority

Icons made by Freepik at www.flaticon.com and licensed under Creative Commons BY 3.0

In Summary

1. Reflecting data in to Bibframe provides a highly connected web of data

2. Enormous potential for increased connectivity

3. Control points exist to connect this even more

    1. No other community does authorities like we do

4. Were making it extremely difficult to connect

    1. Lower costs to linking is critical to improved visibility

5. As of now, (relatively) completely dark to the Web

Act 3 :

Visibility

Expectations of Library Web Visibility

"When my community searches the Web for something we have, we better show up as an option."

- Chuck Gibson, Director & CEO
  Worthington Public Library

WORTHINGTON
LIBRARIES

Can’t ignore the problem…

Start with Agreement and Purpose

"Everyone benefits from the visibility of libraries and their content on the Web."

Libhub

Leading, Learning, and Linking

Learning though action together

ATLAS SYSTEMS, INC.

Promoting Library Excellence Through Efficiency

DENVER PUBLIC LIBRARY

WORTHINGTON LIBRARIES

ARAPAHOE LIBRARY DISTRICT

ILLiad

Aeon
Managing Special Collections

anythink
A REVOLUTION OF RANGEVIEW LIBRARIES

MULTNOMAH COUNTY

Douglas County Libraries

ares
automating reserves

DEUTSCHE NATIONAL BIBLIOTHEK

zepheira

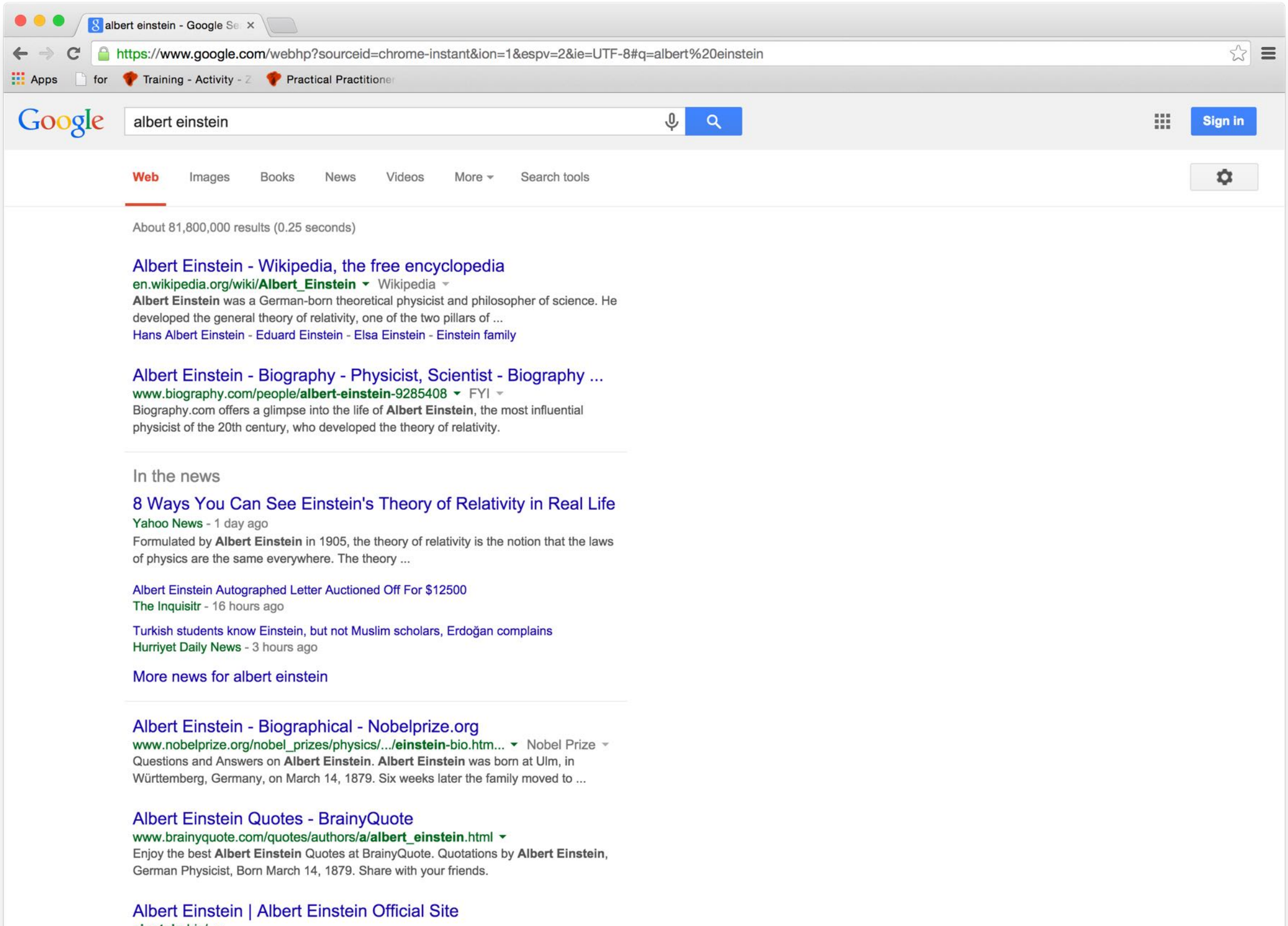
MarcEdit

epl.ca EDMONTON PUBLIC LIBRARY

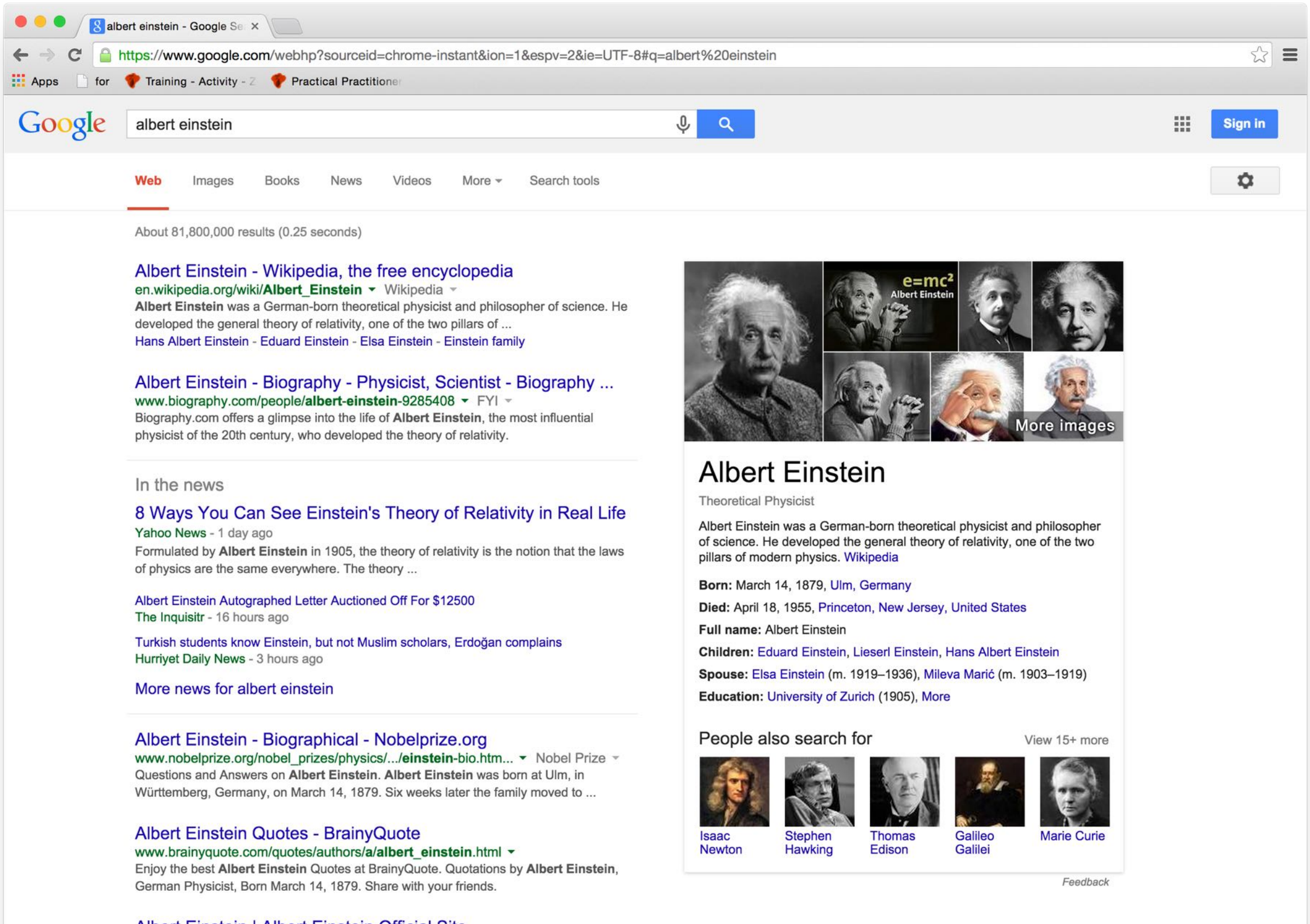
But we aren’t speaking in a way the Web understands

We have a wealth of content and resources locked behind legacy, closed technology systems and niche vocabularies

The traditional, Visible Web focuses on Harvesting and Links to Pages

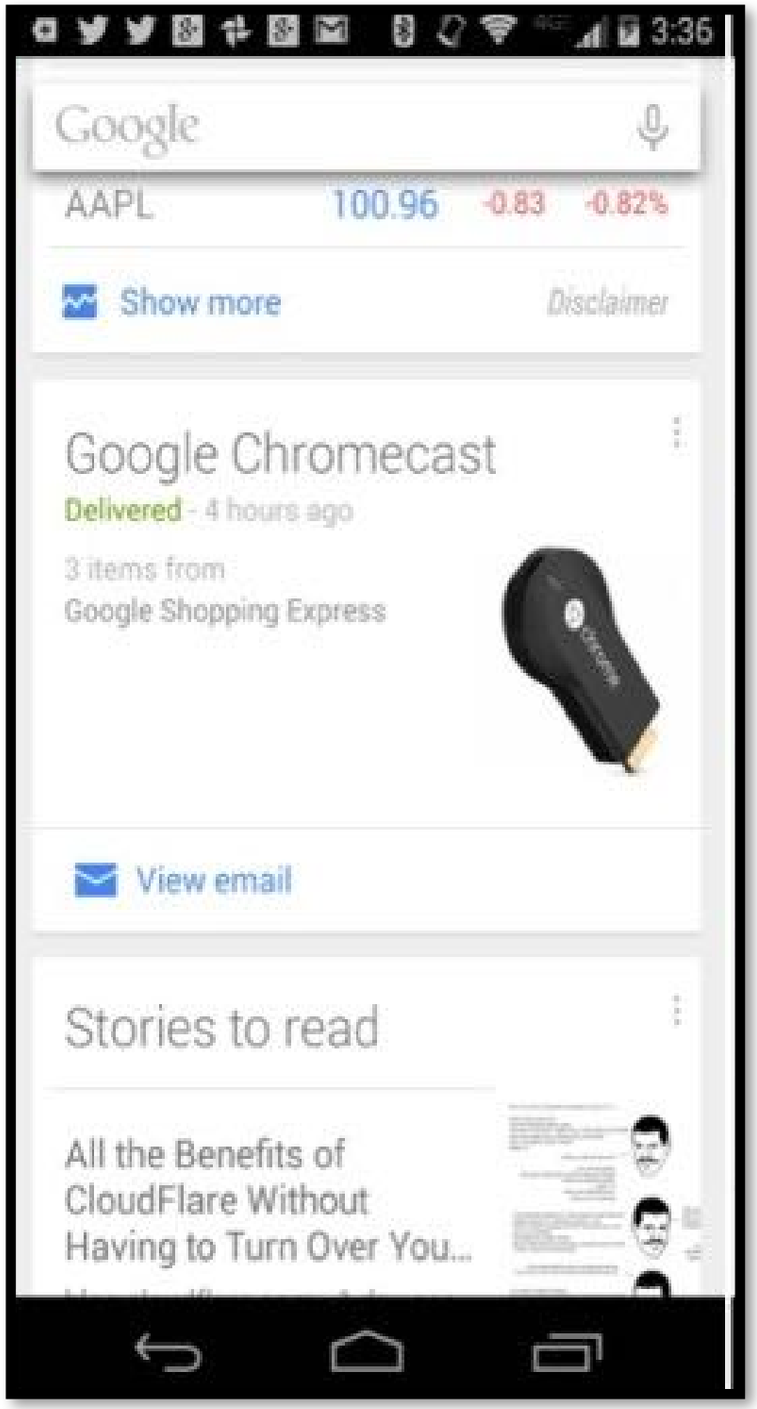


The emerging Invisible Web focuses on Data, Resources, Vocabulary, and Connections



New Vocabularies and Characteristics

Retail – items, reviews, geo, descriptions, inventory, hours, social, events



BestBuy.com - **Best Buy**® Official Site

Ad www.**bestbuy**.com/

Shop A Wide Selection Of Fall Deals At **Best Buy**®.
Free Shipping $35 & Up · Low Price Guarantee · Free In-Store Pickup
Best Buy has 271,883 followers on Google+
1375 Polaris Pkwy, Columbus, OH - (614) 430-0789

Weekly Deals
Find A Great Deal With Special Sale Prices This Week At Best Buy®.

HDTV Deals At Best Buy®
Up To 25% Off Select HDTVs, Plus Free Shipping At Best Buy®.

Low Price Guarantee
The Best Buy® Low Price Guarantee Means We Won't Be Beat On Price.

Ultra HDTVs At Best Buy®
The Brilliant New Way To Watch TV. Learn More And Shop Best Buy® Now!

Best Buy: The Ultimate Technology Showroom
www.**bestbuy**.com/ ▾ Best Buy ▾
Shop **Best Buy** for electronics, computers, appliances, cell phones, video games & more new tech. In-store pickup & free shipping on thousands of products.

Search bestbuy.com

Polaris
Best Buy - Polaris · Best Buy - Polaris. Home · Store Info ...

Cell Phones
Unlocked Cell Phones - Verizon Wireless - AT&T - Sprint - iPhone

Store Locator
Use the Best Buy store locator to find stores in your area. Then ...

iPad, Tablets & E-Readers
Find great deals on the new iPad and the latest tablets and e ...

Best Buy Weekly Ad
View the Best Buy weekly ad and Deal of the Day online and find ...

Laptops
PC Laptops - Laptops - MacBooks - Chromebooks - Blue Label - HP

Best Buy
stores.**bestbuy**.com
2.2 ★★☆☆☆ 26 Google reviews · Google+ page
A 5800 Britton Pkwy, Dublin, OH (614) 793-8630

Best Buy
stores.**bestbuy**.com
2.3 ★★½☆☆ 23 Google reviews · Google+ page
B 1375 Polaris Pkwy, Columbus, OH (614) 430-0789

Best Buy
stores.**bestbuy**.com
2.3 ★★½☆☆ 27 Google reviews · Google+ page
C 3840 Morse Rd, Columbus, OH (614) 471-9510

Map results for **best buy**

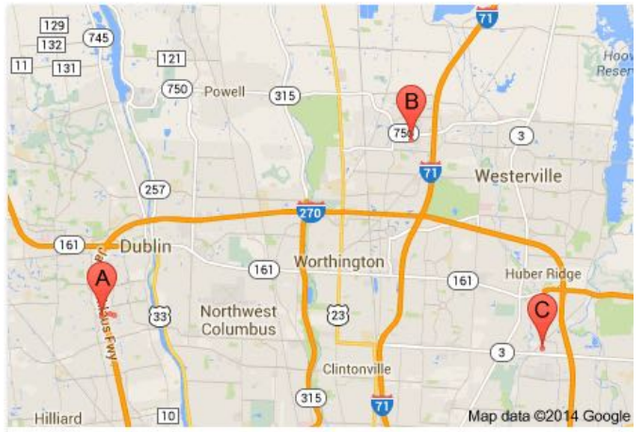
In the news

United Rentals, Best Buy, GM lead the way lower
MarketWatch - 16 hours ago
Best Buy Co. BBY, -6.12% and General Motors Co. GM, -5.87% : The electronics retailer and ...

New Moto G lands at **Best Buy** for $179
Android Central - 1 day ago

GoPro to Play Holiday Season on Latest **Best Buy** Launch
Zacks.com - 16 hours ago

More news for **best buy**



Map for **best buy**

Best Buy
Consumer electronics company

Best Buy Co., Inc. is an American multinational consumer electronics corporation headquartered in Richfield, Minnesota, a Minneapolis suburb. It operates in the United States, Puerto Rico, Mexico, Canada, and China. Wikipedia

Customer service: 1 (888) 237-8289
Headquarters: Richfield, MN
Stock price: BBY (NYSE) $30.23 0.00 (0.00%)
Oct 7, 4:02 PM EDT - Disclaimer
CEO: Hubert Joly
Founder: Richard M. Schulze
Founded: 1966, Minnesota

Recent posts on Google+

Best Buy
271,883 followers • Shared publicly
Follow

Don't wait until the +NBA tips off to start your season. #NBA2K15 is here: http://shout.lt/GKQP
21 hours ago

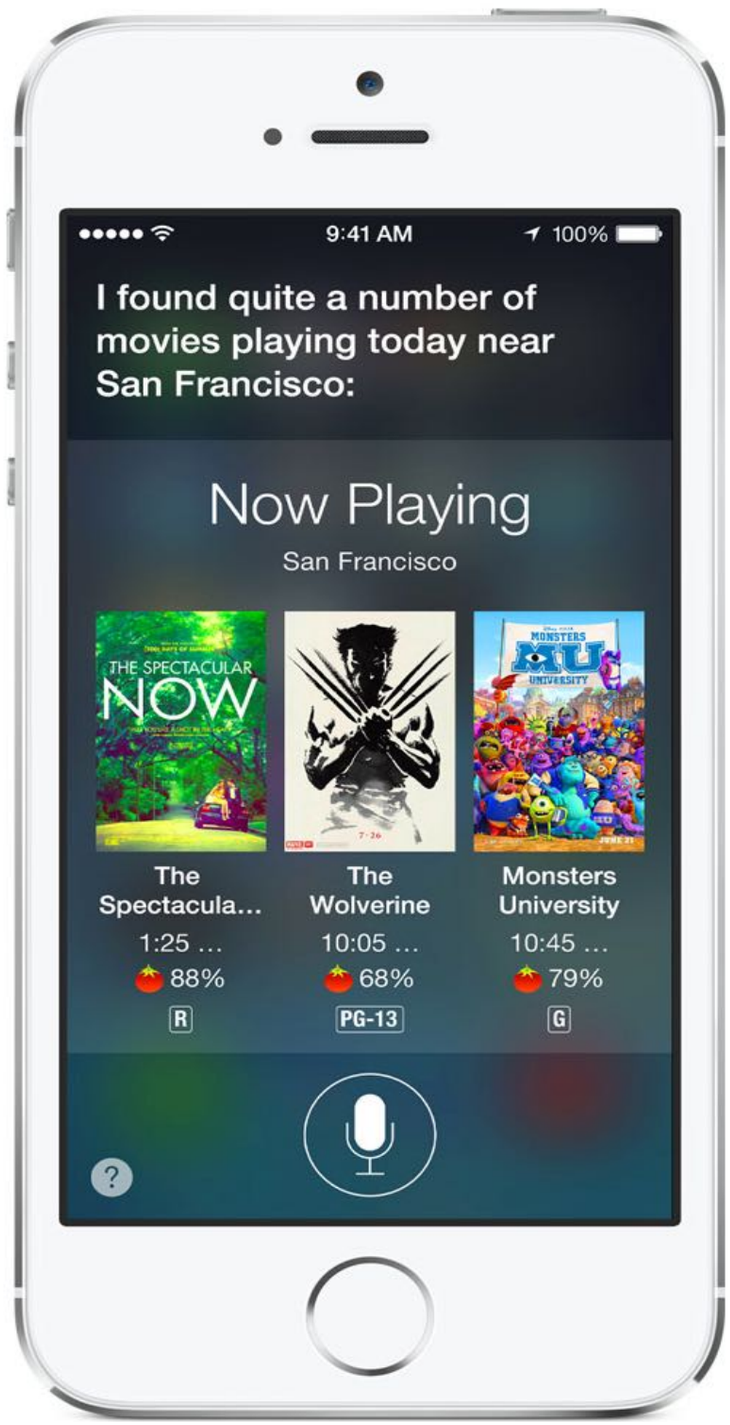
People also search for View 15+ more

Target Corporation · Walmart · RadioShack · hhgregg · Staples Inc.

Feedback

New Vocabularies and Characteristics

Movies – Geo, reviews, ratings, images, previews, times, tickets



Rave Motion Pictures

Directions | Write a review

Address: 1071 Gemini Pl, Columbus, OH 43240

Phone: (614) 781-8228

Reviews

4.2 ★★★★☆ 34 Google reviews

"Love the **seats** so comfortable nice bathrooms two always kept clean." 8 reviewers

"The screen is big and the **sound** is incredible."

View all Google reviews

More reviews: yahoo.com, abumba.com, yellowpages.com, superpages.com

People also search for

AMC Easton Town Center 30

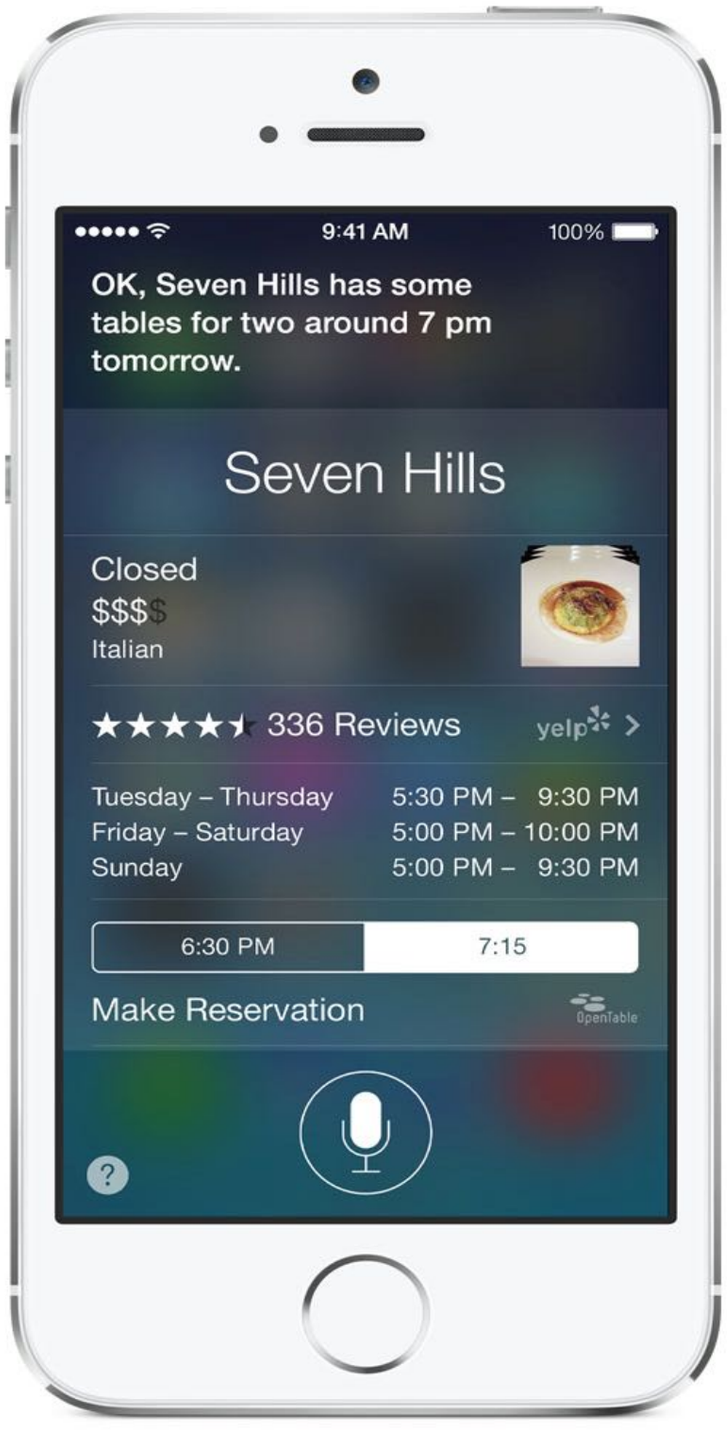
Marcus Crosswoods Cinema

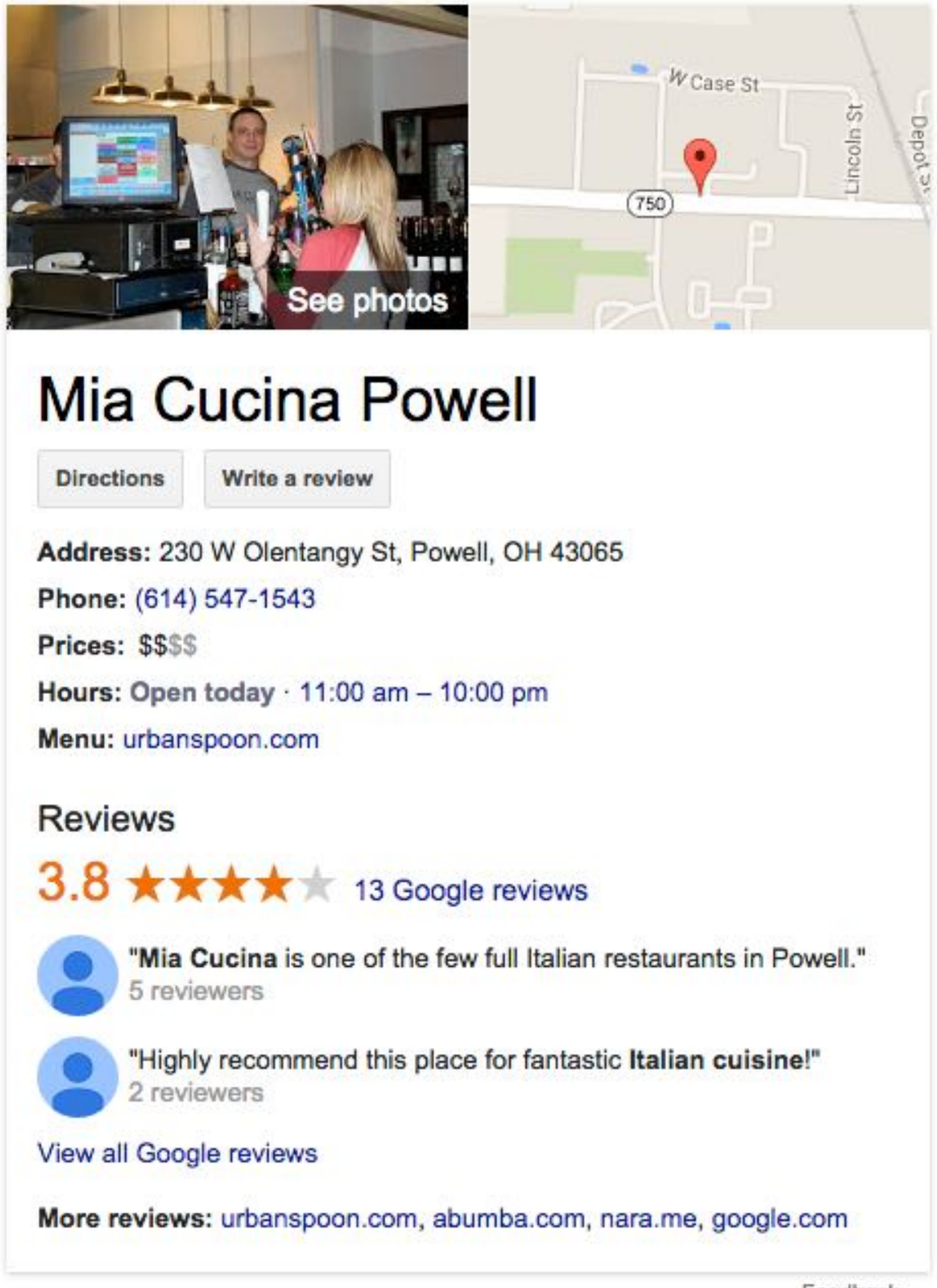
Strand Theatre

Regal Georgesv… Square Stadium 16

New Vocabularies and Characteristics

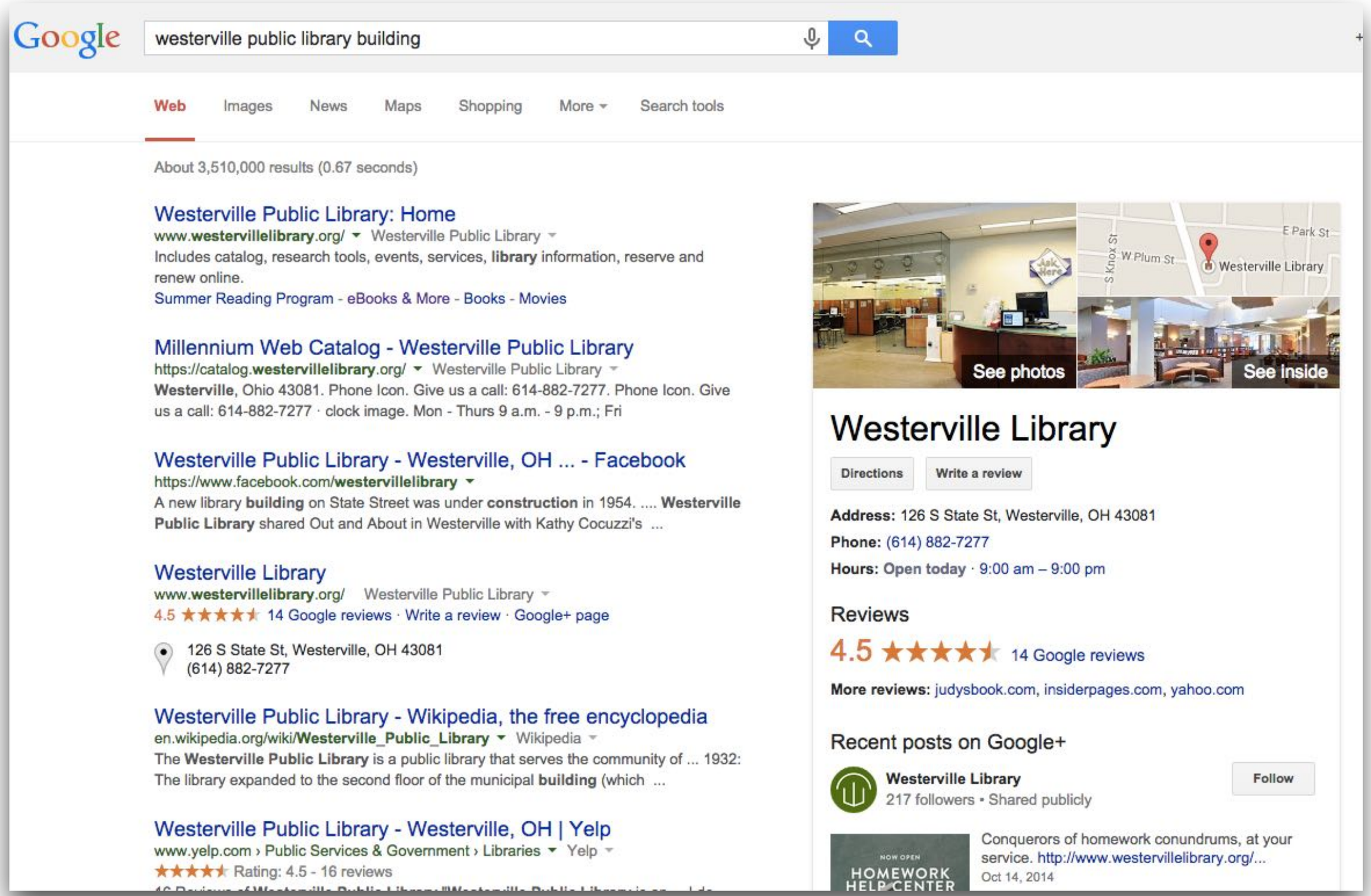
Restaurants – locations, reviews, hours, reservations, menus



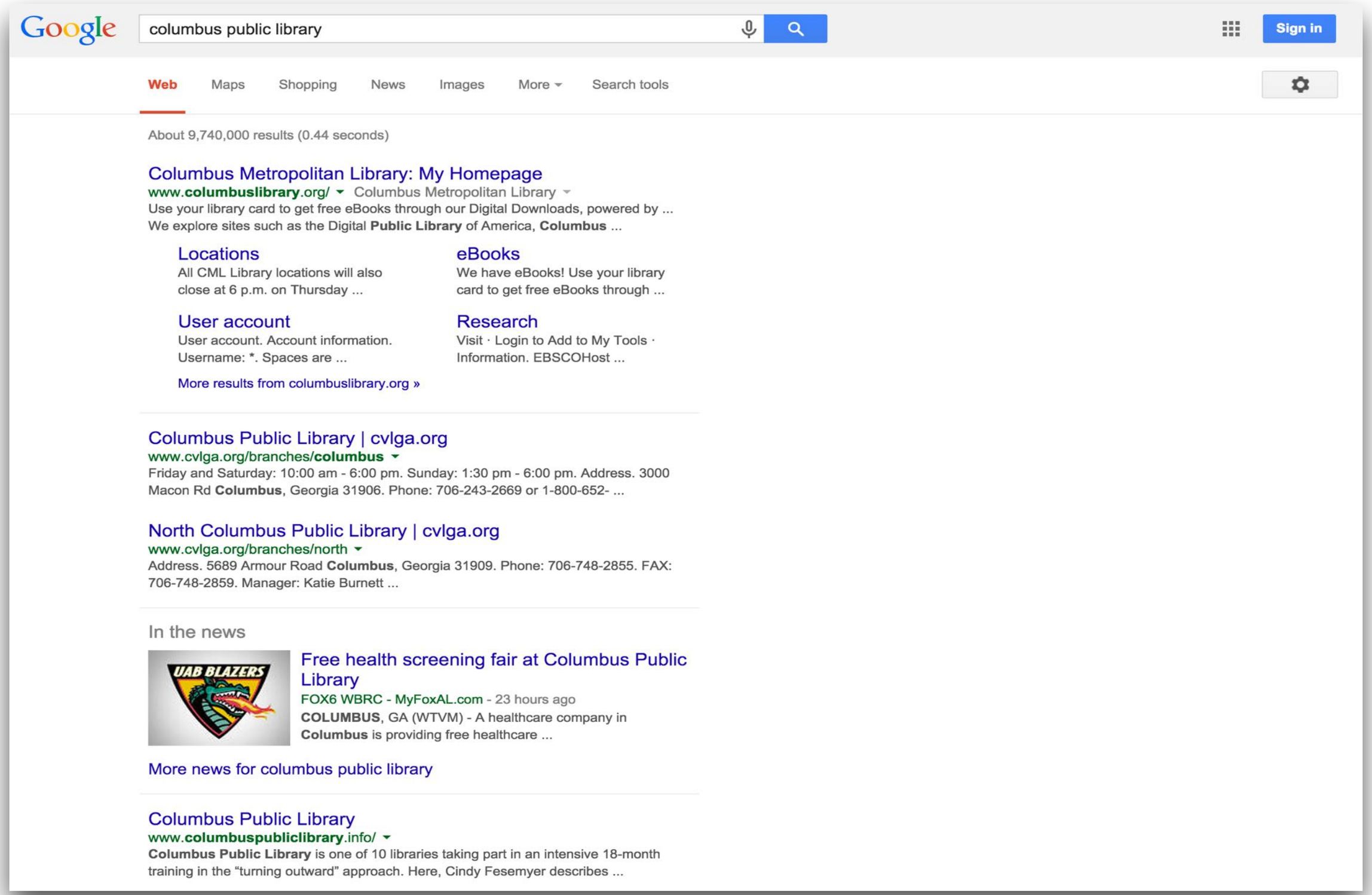


How does the Web see Libraries?

Libraries = Community Businesses
Location, photos, hours, reviews, social, events



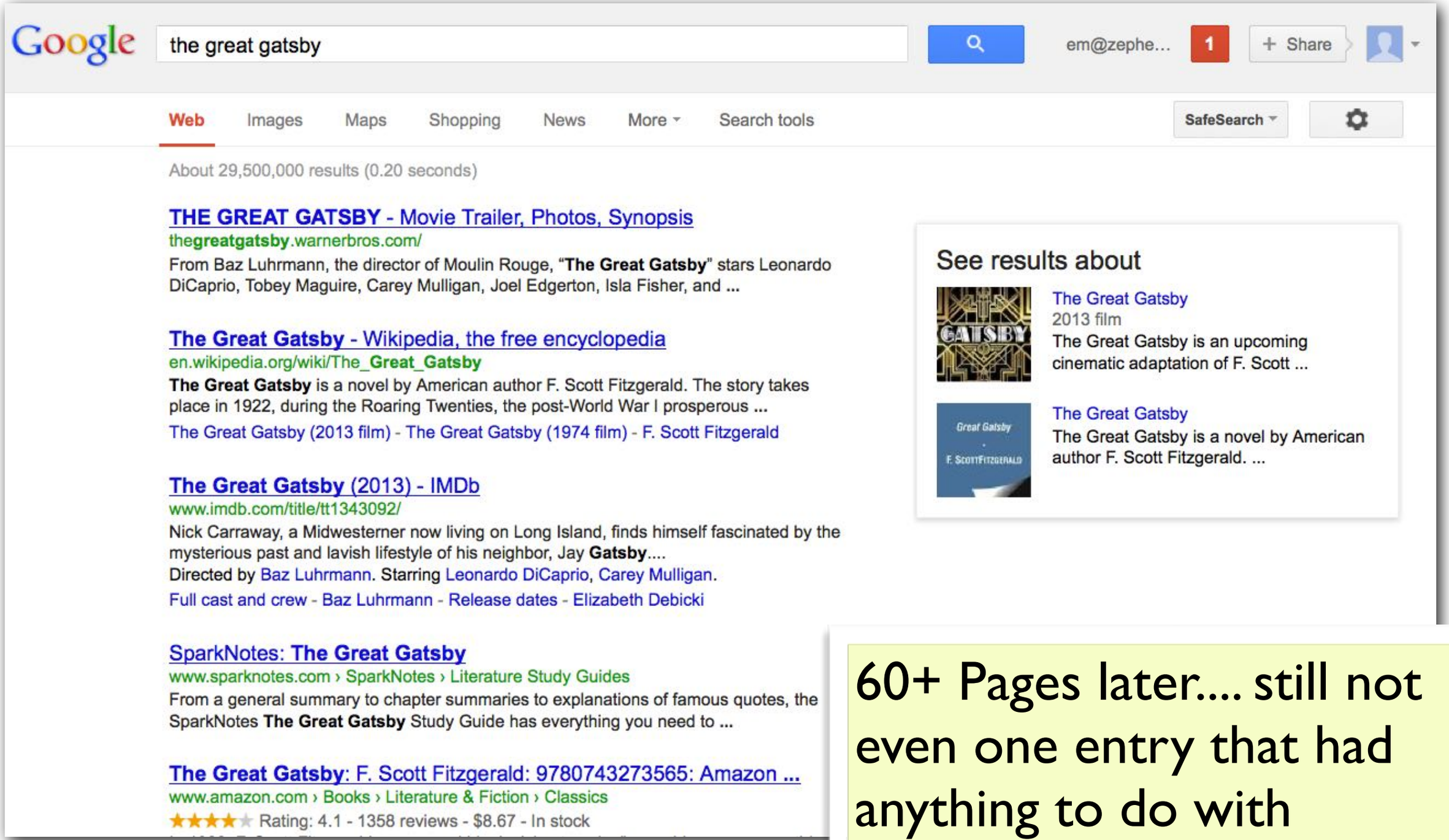
If at all….


Google
columbus public library
Sign in
Web
Maps
Shopping
News
Images
More
Search tools
About 9,740,000 results (0.44 seconds)
Columbus Metropolitan Library: My Homepage
www.columbuslibrary.org/ Columbus Metropolitan Library
Use your library card to get free eBooks through our Digital Downloads, powered by ...
We explore sites such as the Digital Public Library of America, Columbus ...
Locations
All CML Library locations will also close at 6 p.m. on Thursday ...
eBooks
We have eBooks! Use your library card to get free eBooks through ...
User account
User account. Account information. Username: *. Spaces are ...
Research
Visit · Login to Add to My Tools · Information. EBSCOHost ...
More results from columbuslibrary.org »
Columbus Public Library | cvlga.org
www.cvlga.org/branches/columbus
Friday and Saturday: 10:00 am - 6:00 pm. Sunday: 1:30 pm - 6:00 pm. Address. 3000 Macon Rd Columbus, Georgia 31906. Phone: 706-243-2669 or 1-800-652- ...
North Columbus Public Library | cvlga.org
www.cvlga.org/branches/north
Address. 5689 Armour Road Columbus, Georgia 31909. Phone: 706-748-2855. FAX: 706-748-2859. Manager: Katie Burnett ...
In the news
UAB BLAZERS
Free health screening fair at Columbus Public Library
FOX6 WBRC - MyFoxAL.com - 23 hours ago
COLUMBUS, GA (WTVM) - A healthcare company in Columbus is providing free healthcare ...
More news for columbus public library
Columbus Public Library
www.columbuspubliclibrary.info/
Columbus Public Library is one of 10 libraries taking part in an intensive 18-month training in the “turning outward” approach. Here, Cindy Fesemyer describes ...

External Perspectives

- Are websites and systems harvestable?
- Is there a unified and accessible industry vocabulary?
- Are there strong connections and relationships?
- What is the consistency and reliability of the user experience and available data?

This is the now



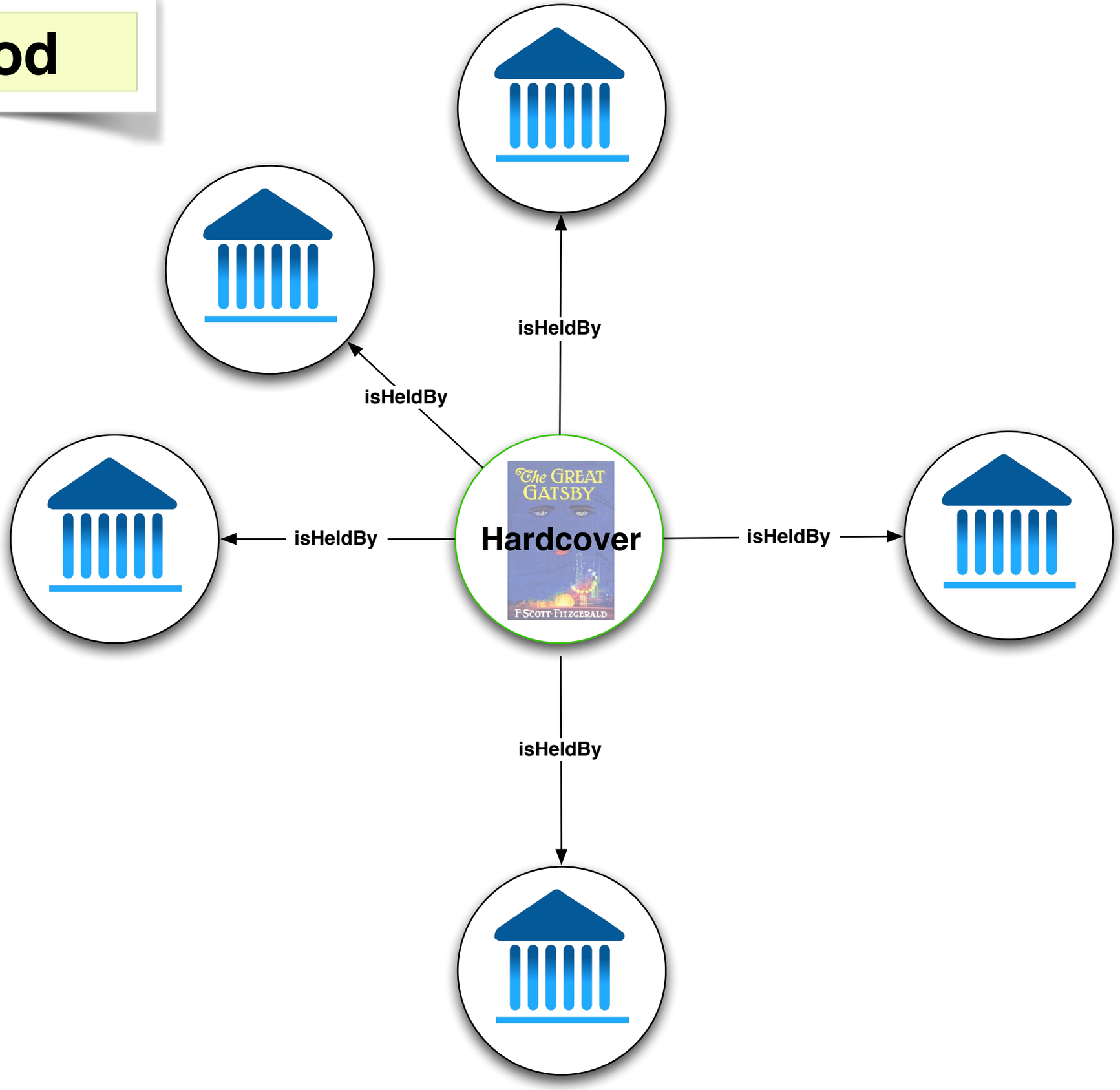
60+ Pages later.... still not even one entry that had anything to do with Libraries

FACEPALM

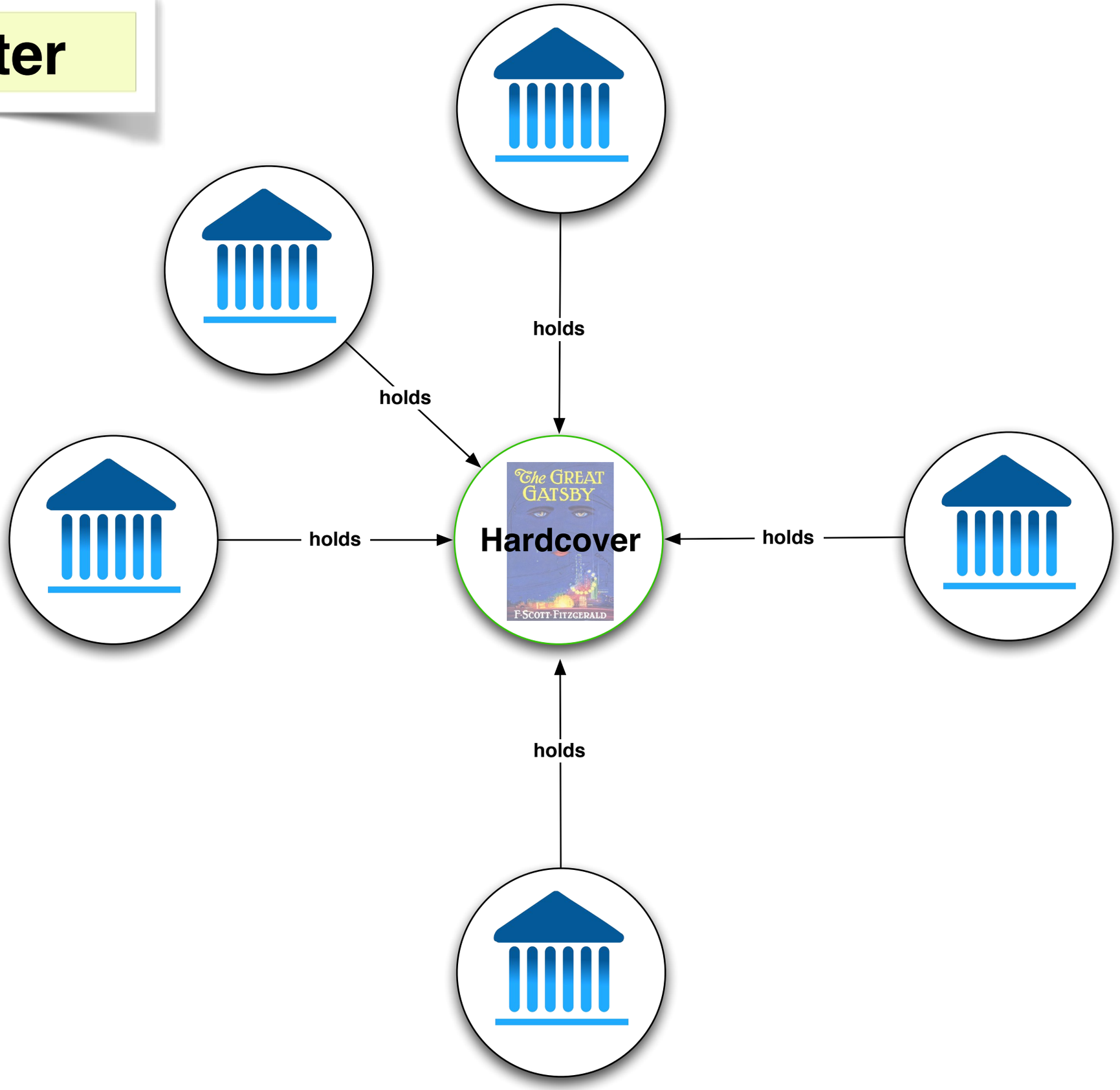
For when epic fail just doesn't cut it.

This is what a search engine harvester sees.
Unconnected data results in poor page rank.

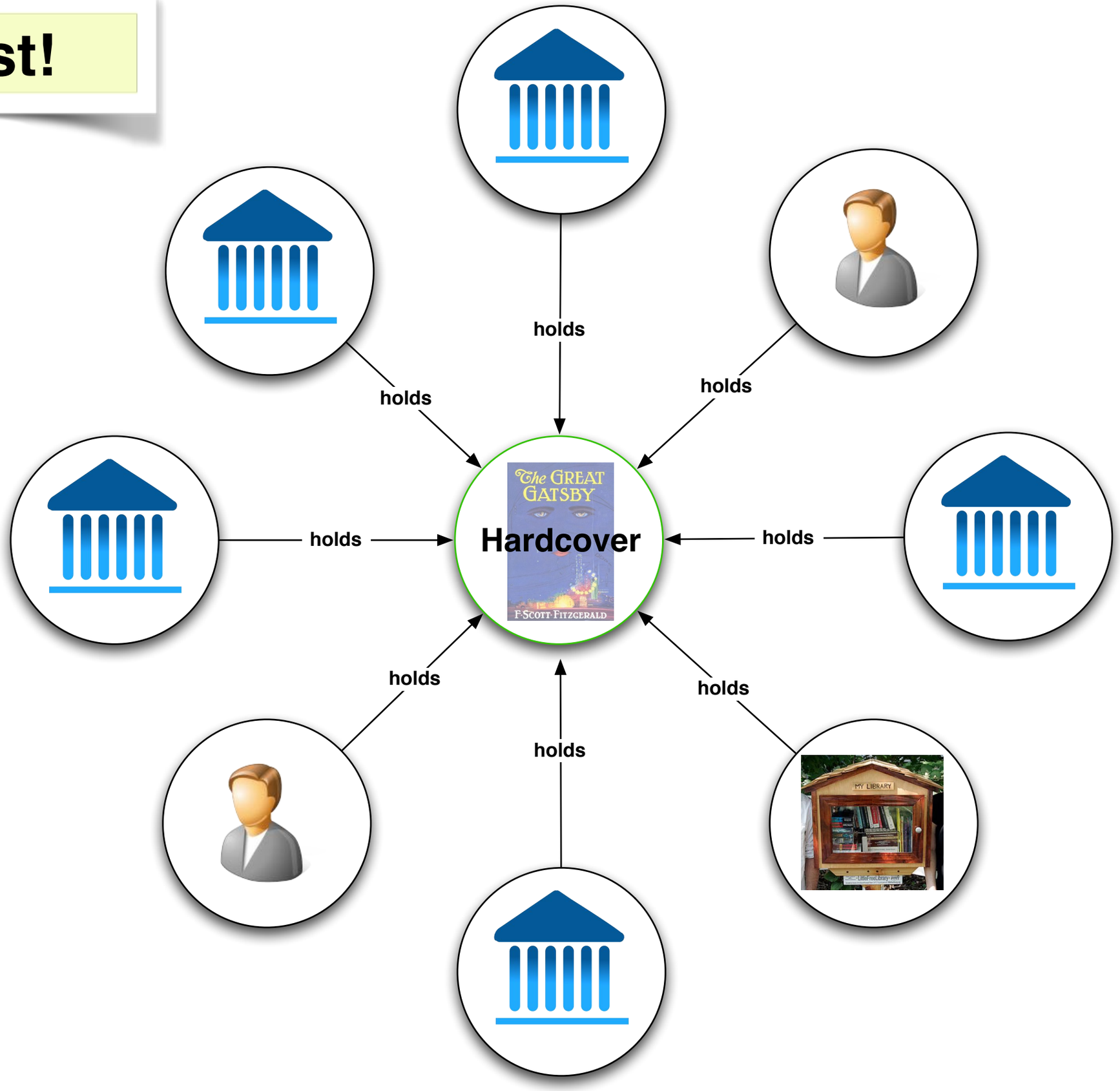
Good


isHeldBy
isHeldBy
isHeldBy
isHeldBy
Hardcover
The GREAT GATSBY
F.SCOTT FITZGERALD
isHeldBy

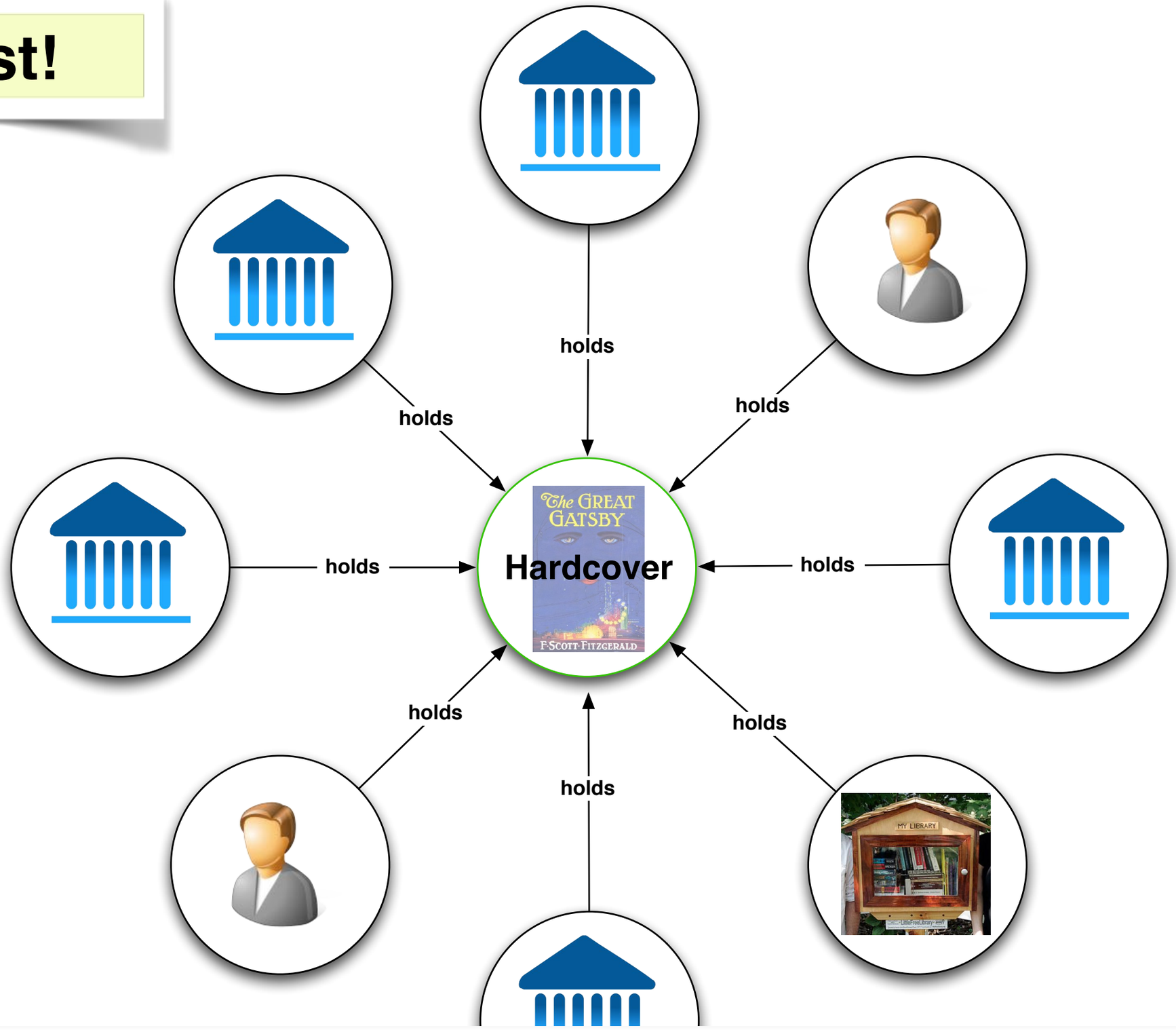
Better


holds
holds
holds
holds
Hardcover
The GREAT GATSBY
F.SCOTT.FITZGERALD
holds

Best!

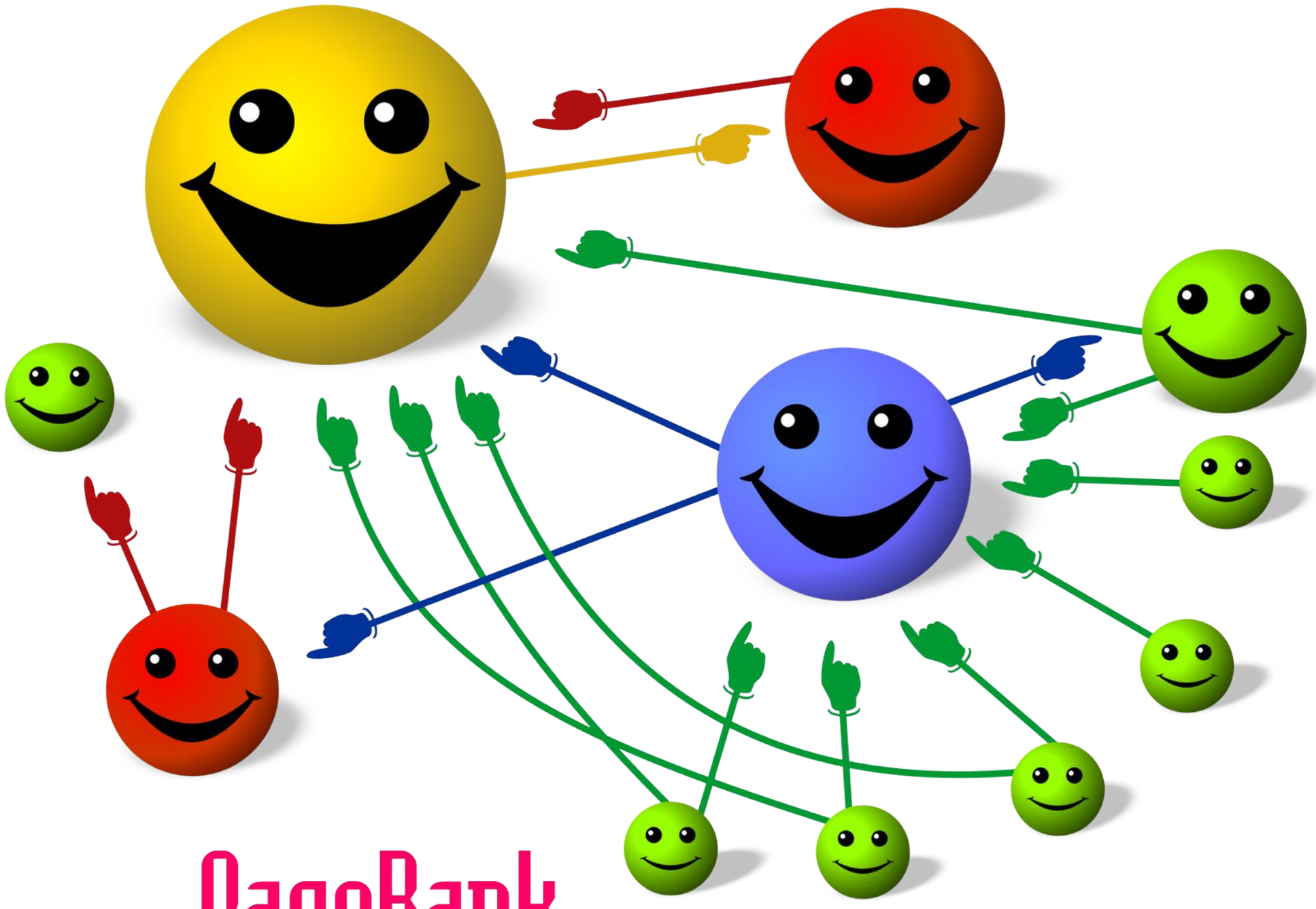

holds
holds
holds
holds
holds
holds
holds
Hardcover
The GREAT GATSBY
F.SCOTT.FITZGERALD
MY LIBRARY

Best!



And Linked Data is a key

A link is worth a 1000 words



This pattern is already happening
in many localized markets as we speak

Go to Google Home

em@zepheira.com + Share

Web Images Maps Shopping Applications More Search tools SafeSearch

About 60,200,000 results (0.30 seconds)

Ads related to **dell laptop**

Shop Laptops at Dell.com
www.dell.com/Laptops
★★★★★ 4,740 reviews for dell.com
Customize **Laptops** & PCs for Home & Small Business w/Intel® Core™!
Dell has 312,406 followers on Google+

Official Dell Coupons
Home Laptop Deals
Small Business Laptop Deals
New Windows 8 PCs & Tablets

Best Buy® - Ultrabooks™ - BestBuy.com
www.bestbuy.com/
Receive $100 Off When You Purchase An Intel-based Touch Ultrabook!
View this ad's deal - valid as of Apr 18, 2013

Shop for dell laptop on Google Sponsored

Dell Inspiron 15	Dell - Inspiron 15.6" Laptop...	Dell Latitude E6420 Lapto...	Dell Refurbished...	Dell Inspiron i17RV-6364B...
$429.99	$759.98	$719.00	$228.00	$499.99
Dell	Best Buy	Stallard Tech...	Walmart	Staples

Shop by graphics processor: Intel GPU NVIDIA GPU AMD GPU

Laptops, Ultrabooks ™ & Tablets - New Dell Laptop Computers for ...
www.dell.com/us/p/laptops
Laptop & Notebook Computer Sales from the Official **Dell** Site. **Dell** offers everyday, performance, ultra-thin and gaming ready **laptops**. Build and ship yours ...

Business Laptops
Shop Dell for laptops and notebooks made to meet the ...

Inspiron 17R Laptop
Inspiron 17R Laptop. Windows 8 - 2nd generation intel core ...

XPS 13 Ultrabook
The New XPS 13 Ultrabook™ now comes with a 3rd Gen Intel ...

Inspiron 15
Manage daily tasks with the affordable Inspiron 15 –

Inspiron laptops
Experience the most stylish, feature packed and ...

XPS 15
Store thousands of song
photos with XPS 15's la

More results from dell.com »

Dell Laptops: Dell Laptop Computers & Notebooks - Best B
www.bestbuy.com/.../Dell/Dell-Laptops/pcmcat140500050011...
Dell: Laptops. Read customer reviews, compare prices and buy online at E
Dell Inspiron Laptops - Dell - Inspiron - Dell - Less than $400

Ads

New Laptop from Google
www.google.com/chromebook
Introducing Chromebook. 100GB free Google Drive. Perfect for sharing.
Google Chrome has 2,003,091 followers on Google+

Dell Battery Replacement
www.usbphoneworld.com/Dell_Battery
★★★★★ 5,105 seller reviews
1 (877) 419 2941
Save Up to 65% Plus Free Shipping. Guaranteed to Work or Money Back!

Dell Laptop at Walmart
www.walmart.com/Laptop_Computers
Save On **Dell Laptop** Computers. Free Shipping Site to Store.

Dell Technical Support
dell-support-desk.techhelpapps.com/
(877) 493-3544
Call (Toll Free) : +1-877-493-3544. Get Support For Your PC & **Laptop**

Technical Support
dell.technicalsupporttoday.com/
Fix Computer & **Laptop** 24/7 Support
Call Certified Tech +1-855-826-6766

Buy dell laptops
www.pcworld.com/Laptops
Compare Prices, Reviews & Ratings. PCWorld Top Deals on **Laptops**!

See your ad here »

Resulting in front page consolidation

the great gatsby f. scott fitzgerald

em@zepheira.com 1 + Share

Web Images Maps Shopping Books More Search tools SafeSearch

About 3,660,000 results (0.30 seconds)

The Great Gatsby - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/The_**Great_Gatsby**
The Great Gatsby is a novel by American author **F. Scott Fitzgerald**. The story takes place in 1922, during the Roaring Twenties, a time of prosperity in the United ...
The Great Gatsby (2013 film) - The Great Gatsby (1974 film) - F. Scott Fitzgerald

Find this in a Library

Princeton Gatsyby Collection

Harvard Collection

Near you

The Great Gatsby: **F. Scott Fitzgerald**: 9780743273565: Amazon ...
www.amazon.com › Books › Literature & Fiction › Classics
$8.67 to $13.57
The Great Gatsby [**F. Scott Fitzgerald**] on Amazon.com. *FREE* super saver shipping on qualifying offers. **The Great Gatsby**, **F. Scott Fitzgerald's** third book, ...

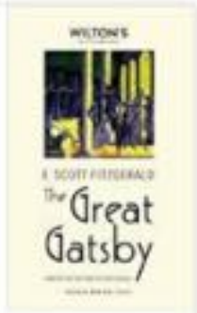
SparkNotes: **The Great Gatsby**
www.sparknotes.com/lit/**gatsby**/
F. Scott Fitzgerald. Video SparkNote of **The Great Gatsby** ... Gatsby is the one who dies. if Nick died who would tell the end of the book? 47 out of 86 people ...
Chapter 1 - Chapter 7 - Chapter 4 - Chapter 6

The Great Gatsby, by **F. Scott Fitzgerald**
ebooks.adelaide.edu.au/**f**/**fitzgerald**/**f_scott**/**gatsby**/
The Great Gatsby. **F. Scott Fitzgerald**. logo. This web edition published by eBooks @Adelaide. Rendered into HTML by Steve Thomas. Last updated Wednesday ...

The Great Gatsby: **F. Scott Fitzgerald** Biography
www.cliffsnotes.com/.../**great-gatsby**/**f-scott-fitzgerald**-biograp...
Early Years. September 24, 1896 marks the birth date of **F. Scott Fitzgerald**, one of the foremost twentieth century American writers. Born in St. Paul, Minnesota, ...

BARNES & NOBLE | **The Great Gatsby** by **F. Scott Fitzgerald** | NO...
www.barnesandnoble.com/.../**great-gatsby-f-scott-fitzgerald**/11...

The Great Gatsby



The Great Gatsby is a novel by American author F. Scott Fitzgerald. The story takes place in 1922, during the Roaring Twenties, a time of prosperity in the United States after World War I. Wikipedia

Published: April 10, 1925

Author: F. Scott Fitzgerald

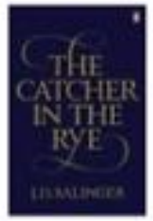
Original language: English

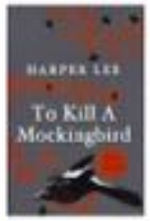
Characters: Jay Gatsby, Nick Carraway, Daisy Buchanan, Myrtle Wilson, Jordan Baker, Tom Buchanan, Henry Gatz

Genres: Novel, Fiction

Adaptations: The Great Gatsby, The Great Gatsby, The Great Gatsby, The Great Gatsby, The Great Gatsby, The Great Gatsby, G

People also search for


The Catcher in the Rye
J. D. Salinger


To Kill a Mockingbird
Harper Lee

This Side of Paradise
F. Scott Fitzgerald

Tender Is the Night
F. Scott Fitzgerald

Anna Karenina
Leo Tolstoy

Feedback / More info

We're not (yet) speaking the language of the Web

But we’re very close

- MARC To BIBFRAME (social)
- Frustration with consolidation in marketplace (economic)
- Web is increasingly actionable / semantic e.g. schema.org (technical)

BIBFRAME
Purpose and Promise

- **Purpose**: Replacing MARC
- **Promise**: So much more

- **Purpose**: Serving Libraries
- **Promise**: Related memory organizations and the users they serve

---

- **Purpose**: Leverage existing Web standards to speak with a consistent voice
- **Promise**: Visibility, Discovery and Effectiveness

Description

Discovery

visual resources association

<ead>

RDA
RESOURCE DESCRIPTION & ACCESS

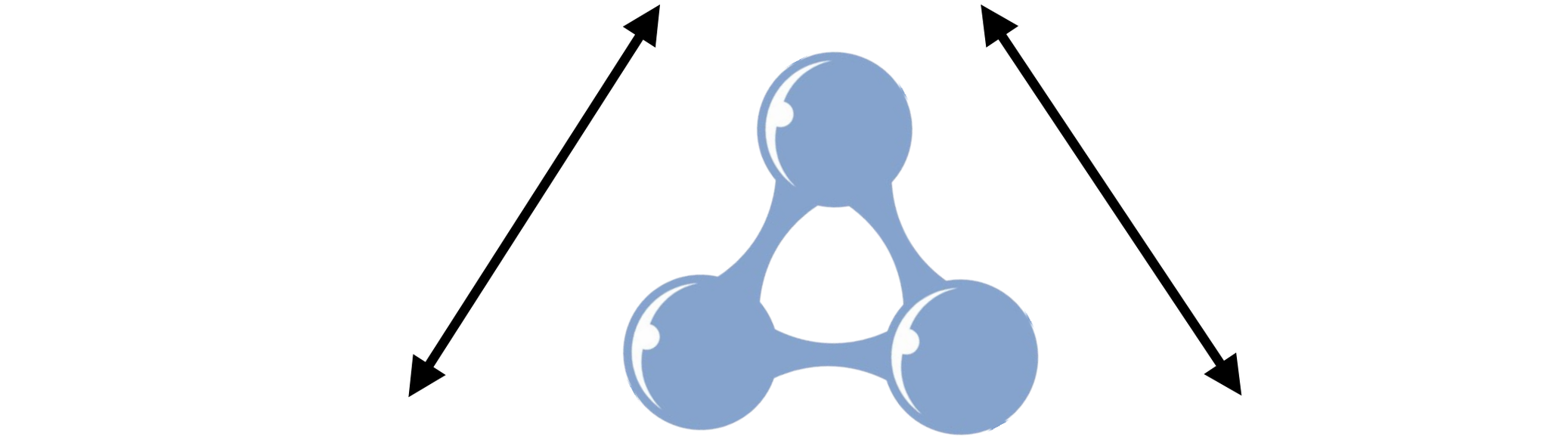
MARC 21

bf:
BIBFRAME

schema.org

Web Friendly

Library Description and Capacity

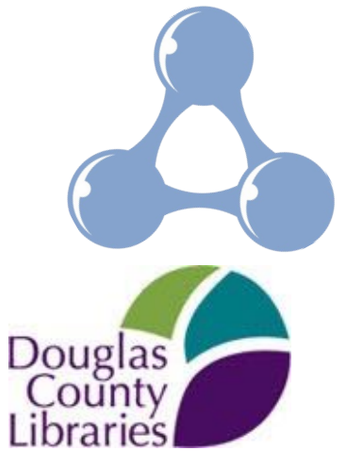


Systems and Services

Content and Collections

Douglas
County
Libraries

Douglas
County
Libraries


Douglas
County
Libraries

Link Accelerator

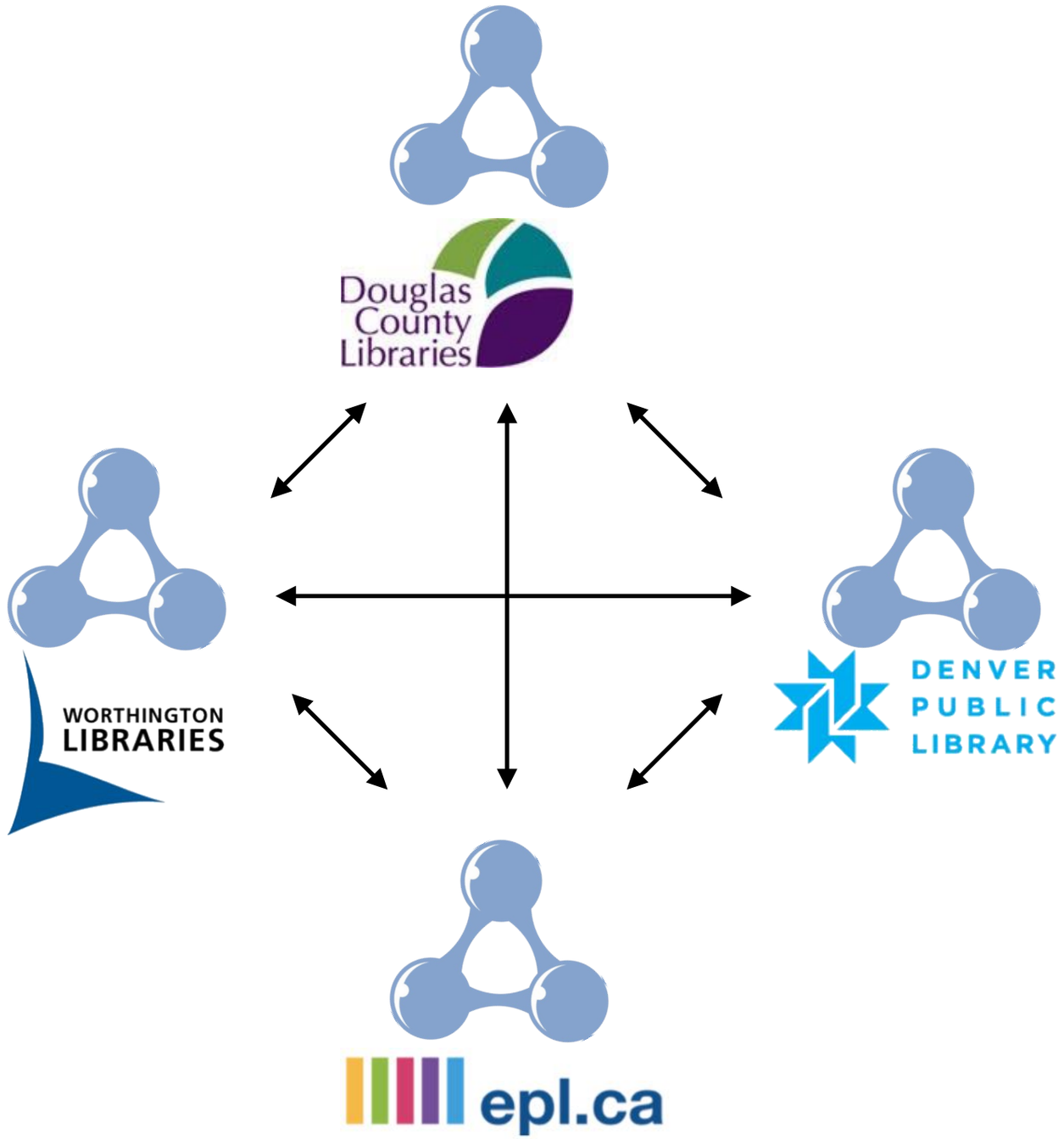
Douglas County Libraries

WORTHINGTON LIBRARIES

DENVER PUBLIC LIBRARY

epl.ca

Link Accelerator



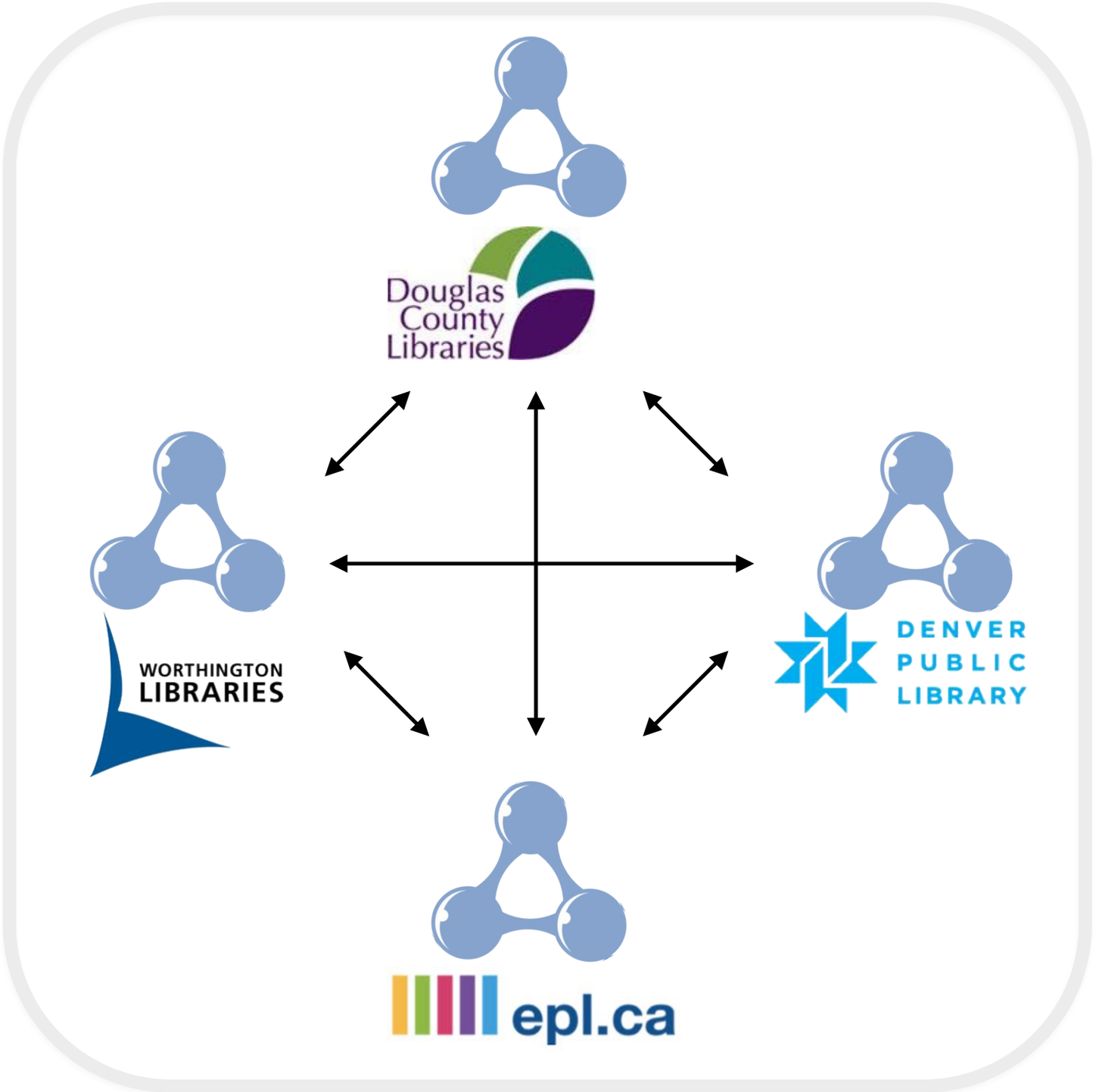
Link Accelerator

Wikipedia

OCLC

DPLA

Europeana



Google

Bing

Yelp

Foursquare

Libhub

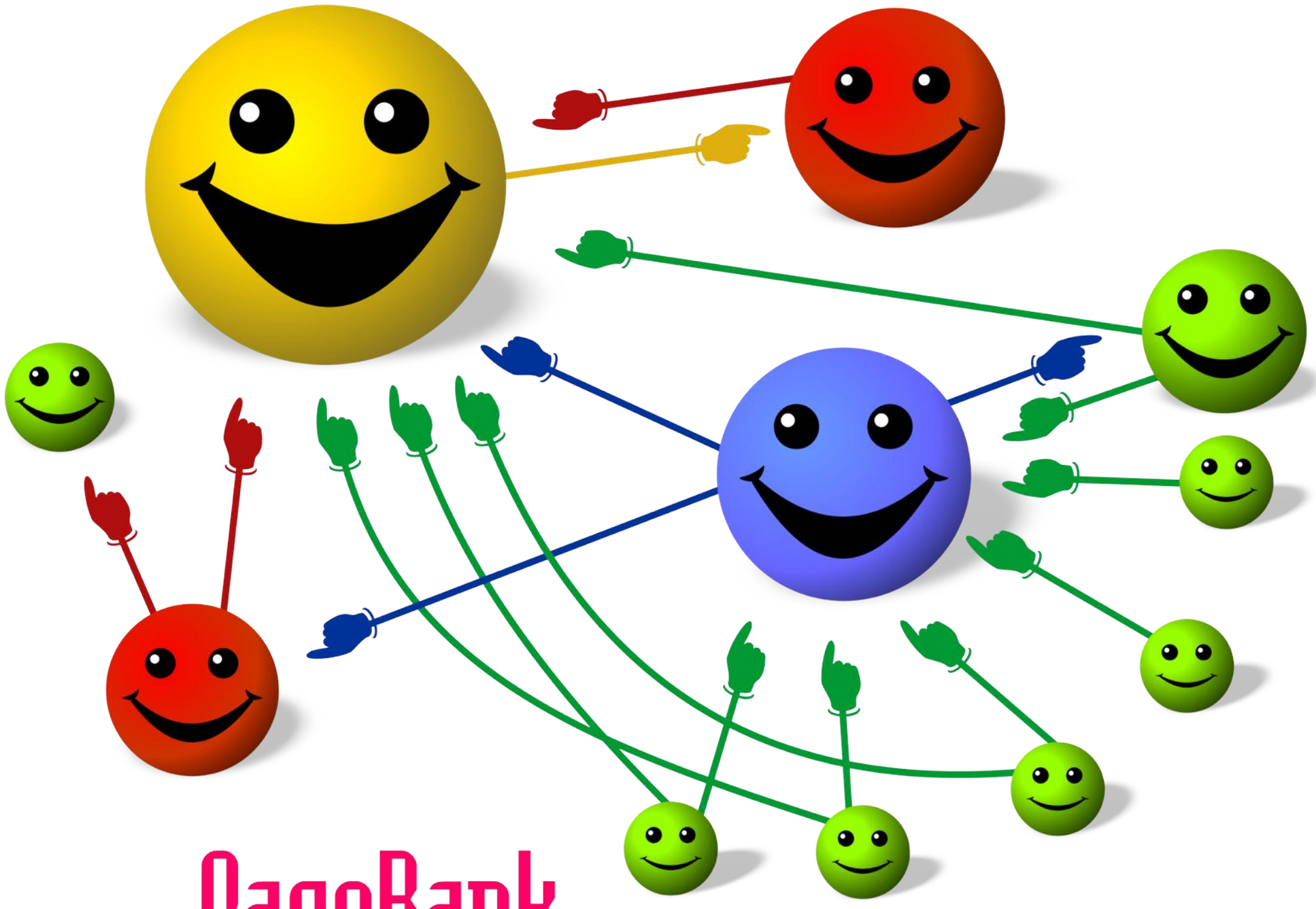
Leading, Learning, and Linking

- In the summer of 2015, Zepheira will introduce the Libhub Network, a Web-based data network designed to surface and connect libraries and their resources in a visible and actionable fashion.

Libhub
Leading, Learning, and Linking

- In the Network, each library will have their own set of data optimized for linking across the library resources, across other organizations with shared assets, and within the context of the broader Web to ensure that library content weaves into the Web in a usable and connected fashion.

A link is worth a 1000 words



Don’t be too clever

- This isn’t about gaming a system
- It’s not about optimizing to any one service
- It’s about speaking in a way the Web understands
- And benefiting from what this enables

Google

quentin tarantino movies

Django Unchained
2012

Pulp Fiction
1994

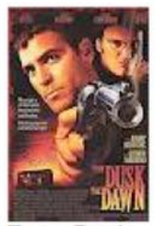
Inglourious Basterds
2009

Reservoir Dogs
1992

Death Proof
2007

Grindhouse
2007

Jackie Brown
1997


From Dusk Til...
1996

True Romance
1993

Feedback

- Web
- Images
- Maps
- Videos
- News
- Shopping
- More

Los Angeles, CA
Change location

Show search tools

Quentin Tarantino - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/**Quentin_Tarantino**
His **films** include **Reservoir Dogs** (1992), **Pulp Fiction** (1994), Jackie Brown (1997), ... Tarantino's contribution to the Grindhouse project was titled **Death Proof**. ... Tarantino's 2009 **film Inglourious Basterds** is the story of a group of guerrilla U.S. ..... .co.uk/**film**/filmblog/2011/may/05/**quentin-tarantino-django-unchained**-script.
Quentin Tarantino filmography - Death Proof - Jackie Brown - New Beverly Cinema

Quentin Tarantino - IMDb
www.imdb.com/name/nm0000233/
In January of 1992, **Reservoir Dogs** appeared at the Sundance **Film** Festival, by ... up Dogs success with **Pulp Fiction** which premiered at the Cannes **film** festival... ... **Quentin Tarantino** Still of **Quentin Tarantino** in **Django Unchained** Still of ...
Django Unchained - Biography - Death Proof - Kill Bill: Vol. 3

Quentin Tarantino movies, photos, **movie** reviews, filmography, and ...
www.all**movie**.com/artist/**quentin-tarantino**-p113658
Word-of-mouth on **Reservoir Dogs** began to build at the 1992 Sundance **Film** Festival, ... During 1993, **Tarantino** wrote and directed his next feature, **Pulp Fiction**, ... Grindhouse into two portions: the first half, **Death Proof**, directed by **Tarantino**, ...

Quentin Tarantino Movies | Cracked.com
www.cracked.com/funny-1906-**quentin-tarantino-movies**/
Quentin Tarantino used to recommend **movies** while working in a video rental store, making him the most successful "annoying guy going on about 'good' ...

Everything Tarantino « The **film** works of **Quentin Tarantino**
www.everything**tarantino**.com/
Jamie Foxx says that **Quentin Tarantino** rewrote the ending to **Django Unchained** in a matter of minutes after being unhappy with the previous conclusion.

Top Ten **Quentin Tarantino Movies** « **Movies-Films**-MotionPictures
moviesfilmsmotionpictures.com/.../top-ten-**quentin-tarantino**-...
Mar 27, 2010 – **Reservoir Dogs** is the first **movie Quentin Tarantino** ever directed and it is ... **Death Proof** is "the" guilty pleasure **movie** for me. ... It's really amazing how wildly entertaining and amazing a **film** that **Pulp Fiction** is. ... a doubt in my mind that **Inglourious Basterds** is **Quentin Tarantino's** greatest piece of cinema

Quentin Tarantino

info-stars.com

Quentin Jerome Tarantino is an American film director, screenwriter, producer, cinematographer and actor. Wikipedia

Born: March 27, 1963 (age 49), Knoxville

Upcoming movies: Django Unchained, Kill Bill: Vol. 3

Awards: Palme d'Or, National Society of Film Critics Award for Best Director, More

Education: Narbonne High School, Fleming Junior High School

Song	Year	Album
Interview	1997	Tarantino Connection
Pulp Fiction	1998	Interview Picture Disc
Jackie Brown	1998	Interview Picture Disc

Books

True Romance

From dusk till dawn

Quentin Tarantino

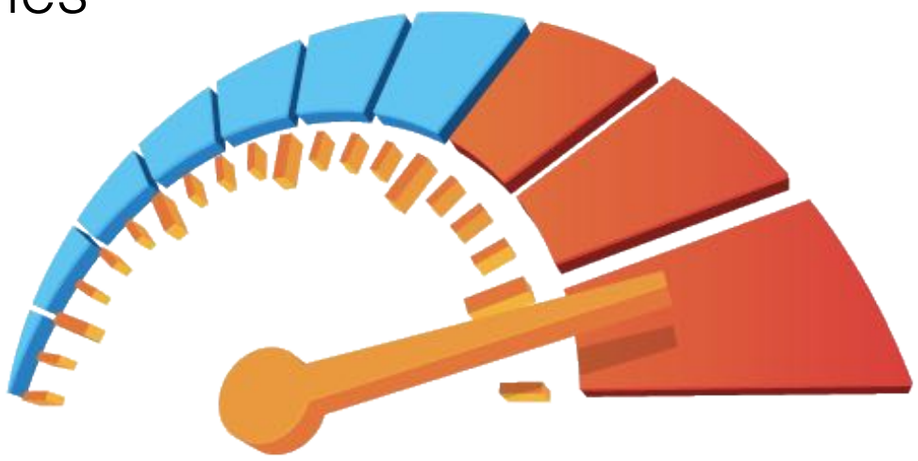
Death Proof

Grindhouse

People also search for

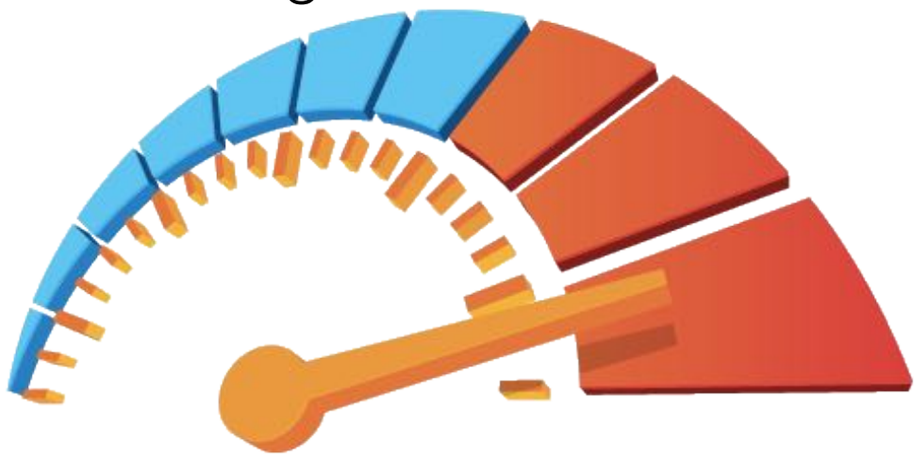
Moving the Needle and Transforming the Web

- NO NEED TO WAIT
- Build on existing investments
- Use Bibframe to reflect content in a Web of Data
- Project in to a vocabulary the Web understands (schema.org via RDFa)
- Leverage the Web's cooperative infrastructure
- Link between shared & Web assets to test impact on results
- Help the Web understand library vocabularies
- Connect into legacy systems

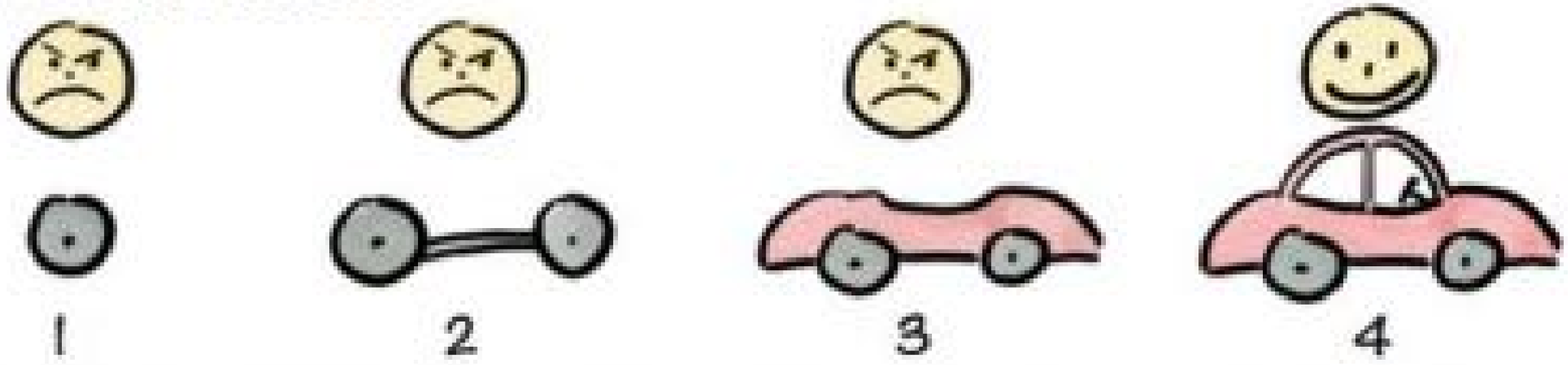


What you can do Now

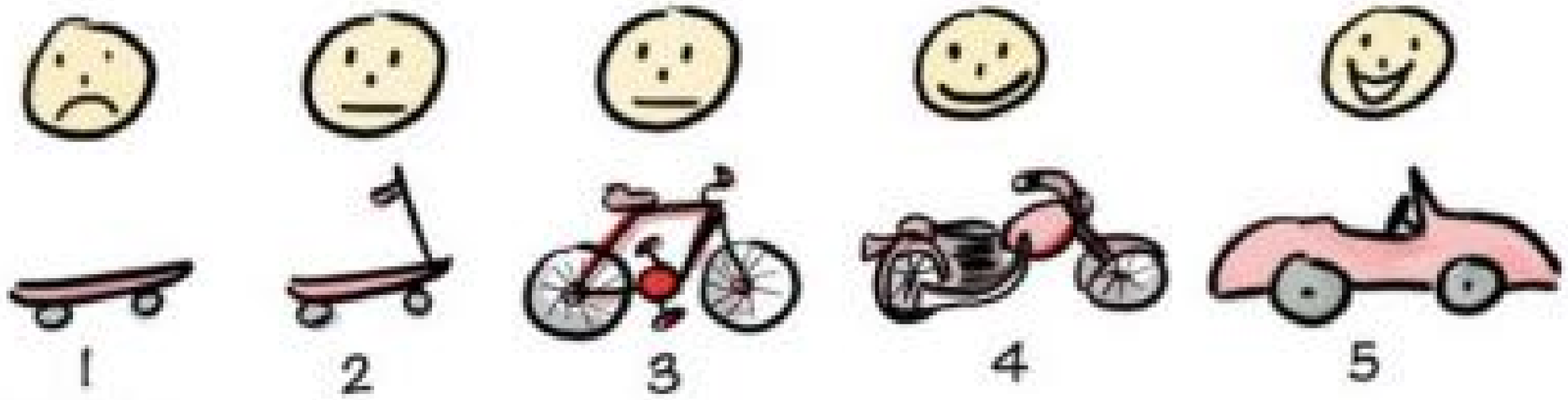
1. Explore your Web footprint
    1. Create a Wikipedia entry, Google+, Facebook, Yelp! etc. for your Library
    2. Understand the gap between your catalog and the Web
2. Explore Terry Reese's MarcNext work (MarcEdit to Libhub pipeline)
3. Dan Scott's Evergreen schema.org work in Evergreen
4. Express your support for library visibility at libhub.org
5. Get involved! Your perspective counts!



Not like this....



Like this!



Henrik Kniberg

Thank you

Eric Miller
em@zepheira.com