Derilinx

Discovering Open Data Standards

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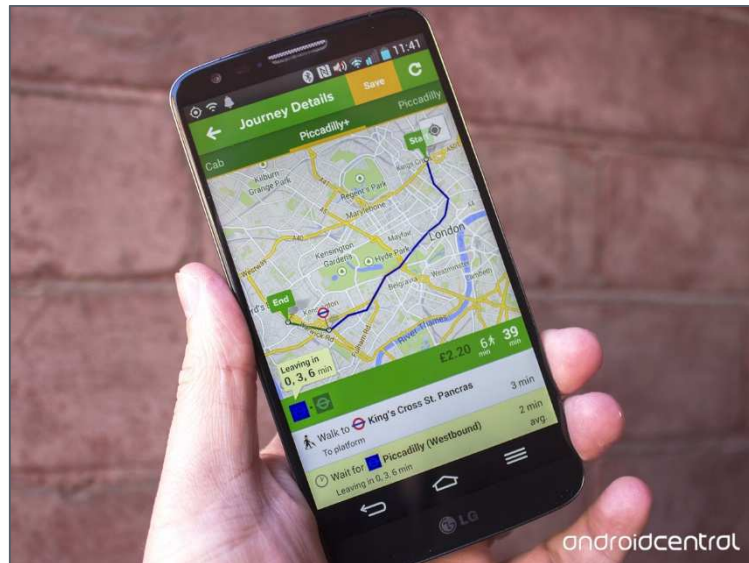
@deirdrelee

www.derilinx.com

Increased Data Publication

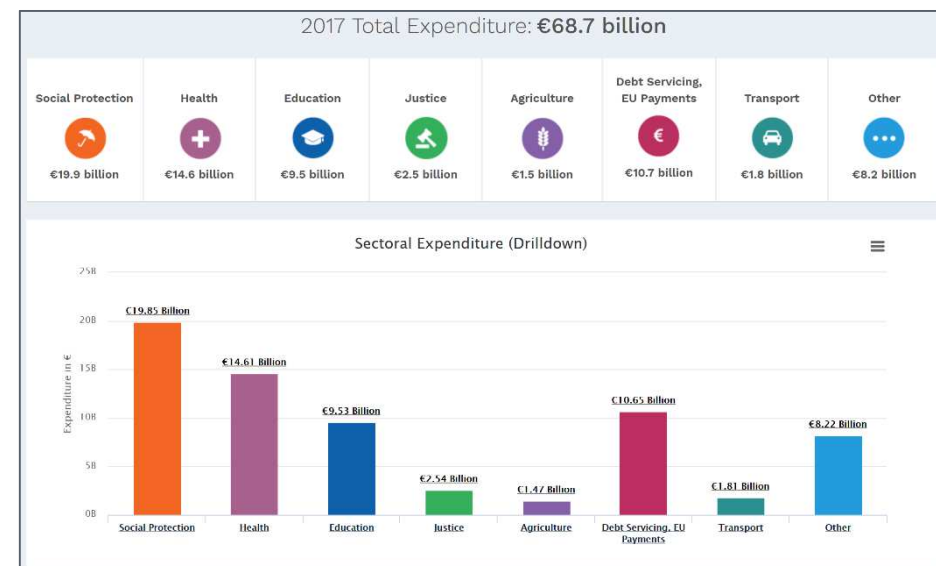https://www.europeandataportal.eu/data/

Value of Data Integration

https://citymapper.com/

http://whereyourmoneygoes.gov.ie/

Use Data Standards

Best Practice 15: Reuse vocabularies, preferably standardized ones

Use terms from shared vocabularies, preferably standardized ones, to encode data and metadata.

Benefits

R Reuse   P Processability   C Comprehension   T Trust   I Interoperability

https://www.w3.org/TR/dwbp/

Open Standards

582 Vocabularies in LOV

W3C » Standards » All Standards and Drafts

ALL STANDARDS AND DRAFTS
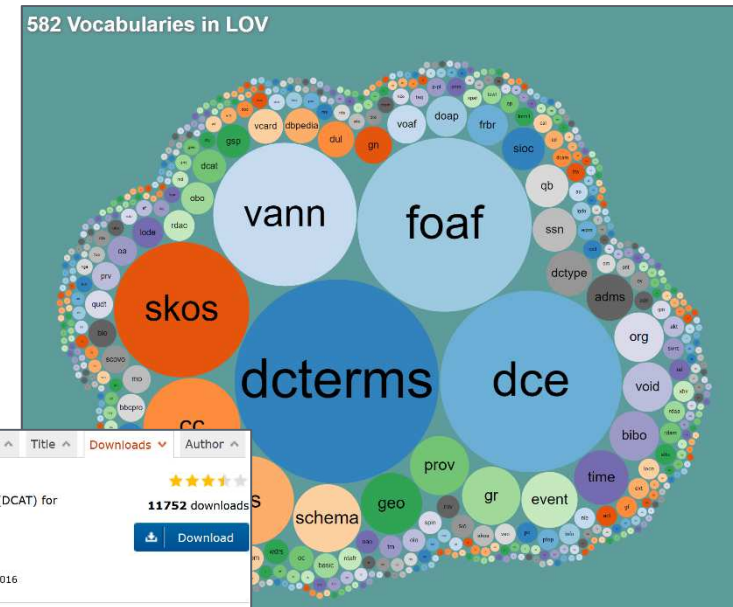
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▸ Accessibility (All)
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▸ CSS
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▸ CSV on the Web
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▸ Declarative Web Applications
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▸ Device Independence Authoring

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DCAT application profile for data portals in Europe
is a specification based on the Data Catalogue **vocabulary** (DCAT) for describing public sector datasets in Europe. …
★★★☆
11752 downloads
Project | Created by Semic .eu | Created: 26 October 2015 | Updated: 30 August 2016

DCAT Application Profile for Data Portals in Europe - Final
DCAT-AP v1.1 is now available. Find out more here. This interoperability solution page describes version 1.0 of DCAT-A …
★★★★
5956 downloads
Interoperability Solution | Created by Makx Dekkers | Created: 06 August 2013 | Updated: 26 July 2016

Core Public Service
The Core Public Service **Vocabulary** is a simplified, reusable and extensible data model that captures …
★★★☆
3545 downloads
Project | Created by Semic .eu | Created: 29 October 2012 | Updated: 30 November 2016

Asset Description Metadata Schema (ADMS)
ADMS version 2 is available here Note: The ADMS-AP Importer of Joinup is not updated yet to import solutions described using ADMS-AP v2.0. T …
★★★☆
3325 downloads

https://www.w3.org/TR/   https://lov.okfn.org/dataset/lov
https://joinup.ec.europa.eu/

5

Open Standards

OpenSpending

Open Contracting Data Standard v1.0

OPEN REFERRAL

Open311

http://standard.open-contracting.org/
http://www.open311.org/

http://next.openspending.org/
https://openreferral.org/

Challenge

1. Which open data standards are available?

   – Discovery

2. Which open data standards are suitable for my needs?

   – Evaluation

IODC Open Data Standards

http://opendatacon.org/agenda/pre-events/open-data-standards-day/
https://docs.google.com/document/d/1XkfQrNhixjdrnFun0D4w1N7KRDwa_51nTd9ANCuyPJQ/edit

Catalogue for Discovery and Evaluation of Open Standards

https://govex.jhu.edu/enabling-civic-data-standards/
http://www.geothink.ca/opendatastandards/

http://federation.data.gov/
http://local-authority-eng.alpha.openregister.org/

User Personas for Standards Catalogue

1. Open Standard Adopter
   - A government worker who wants to release data and wants to know if a standard exists for this data

2. Open Standard Provider
   - A standard provider (e.g., Open311) who has a standard and wants it to be accessible in a catalogue

3. Open Standard Promoter/Supporter
   - A John Hopkin's GovEx employee

4. Others: Citizens, software vendor, policy maker, etc.

(created by Andrew Nicklin, GovEx)
https://docs.google.com/document/d/1rsfU8JE0U6KoezF99tWw-wakyHF3gc61W3Oj_8-NTw4/edit

Standard Assessment Methodologies and Crosswalk

		Standard assessment methodologies and crosswalk			
	Category				

	A	B	C	D	E	F
1	**Category**	**GoxEx**	**Bloom**	**Davies**	**McKinney-Ashlock**	**Candidate property**
2	Properties	33	25	33	30	
3	Unaligned	14	8	8	3	
4	Validation	TRUE	TRUE	TRUE	TRUE	
5	Key fact	Name	Name	Name	Name of specification	dcterms:title
6	Key fact	Categories (Domain)	Domain	Use case	Domain	dcterms:subject
7	Key fact	Publishing Entity	Publisher	Publisher	Name of publisher	dcterms:publisher
8	Key fact	Latest Revision	Date that standard was last updated	Latest release	Date of current specification	dcterms:modified
9	Key fact	Description	Description and Purpose	Description		dcterms:description
10	Key fact	Constraints	Transferability to other jurisdictions		Is the standard robust to international use by different levels of government?	dcterms:coverage
11	Key fact	URL	References	Overview URL		dcat:landingPage
12	Key fact	Primary Language		Languages		dcterms:language
13	Key fact		Version	Current version		pav:version
14	Rights	Is Free To Use	Open license		• Open license • No royalties, either for use or access to documentation	dcterms:rights
15	Rights		License Information	License		dcterms:license
16	Rights			Is there a contributor agreement?	Contributor agreements	
17	Development	Maturity Level	Stage in development	Status	What is its development status?	schema:status
18	Development		Consensus-based governance	What form does governance take?	Is it a consensus-based model or a "benevolent dictator" model?	
19	Development	Is Open To Contribute		Who can participate in governance processes?		duv:userfeedback
20	Development	Contributor Activity		• Is there an open mailing list? • Is there an open issue tracker?	• Is anyone actively governing? • Are there active mailing lists? • Are there active working groups?	vcard:hasEmail

(created by James McKinney, Phil Ashlock, et al.)
https://docs.google.com/spreadsheets/d/1bfSLcqgrJC1bE2kgPRRlrF7Z-A1HQ_EqxL1IG0aia20/edit

Standard Assessment Methodologies and Crosswalk

- **Key Facts**
  - Descriptive metadata
- **Rights**
  - Licence / who can use
- **Development**
  - How has standard been developed / maturity
- **Adoption**
  - Who is publishing with the standard
- **Implementation**
  - Applications / tools / support

Open Standards CKAN Extension (alpha)

https://data.gov.ie/openstandard

Join the Conversation!

Data standards discovery, use and creation

Google Group

https://groups.google.com/forum/#!forum/data-standards-discovery-use-and-creation