



# Discovering Open Data Standards

Deirdre Lee

@deirdrelee

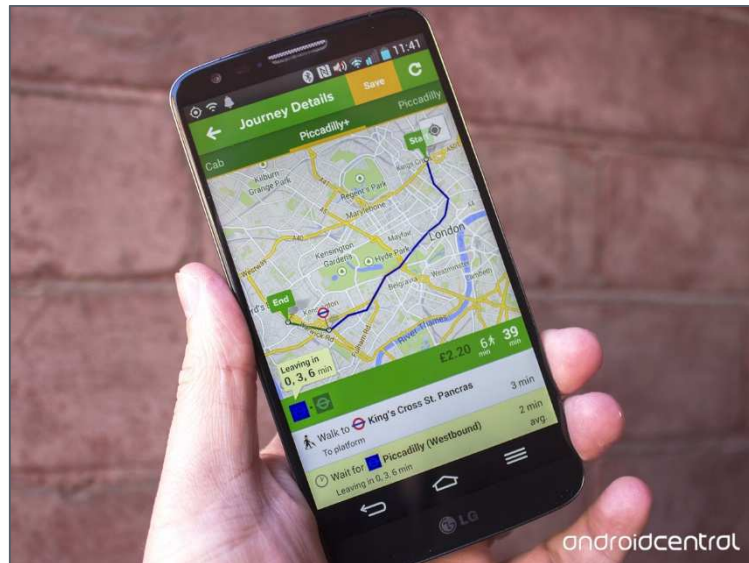
[www.derilinx.com](http://www.derilinx.com)

# Increased Data Publication

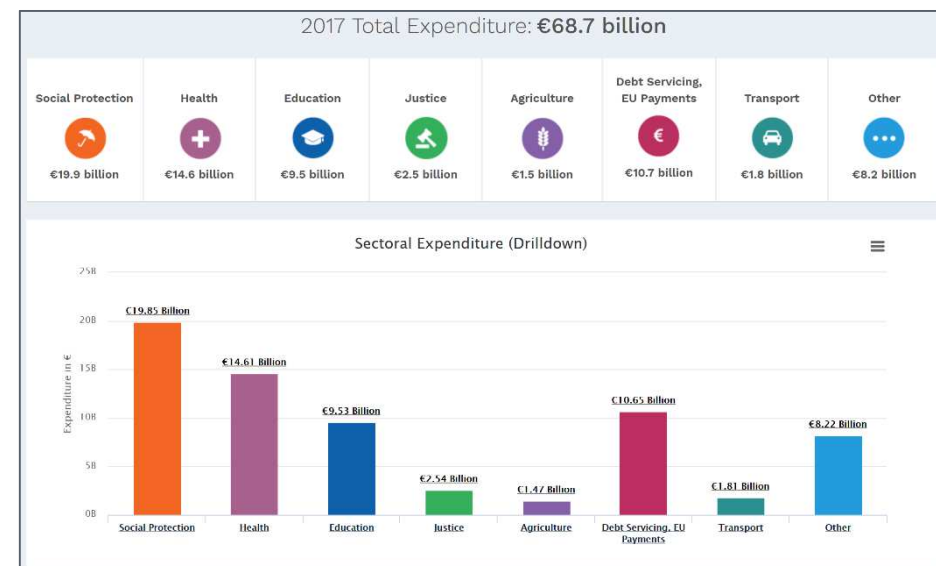
The screenshot displays the European Data Portal interface. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, Login, and a language selector set to English (en). The main header features the European Data Portal logo and a search bar labeled 'Search Portal'. Below the header, a blue navigation bar contains links for 'What we do', 'Providing Data', 'Using Data', 'Library', and 'Data'. The 'Data' link is highlighted. The main content area is titled 'Datasets' and includes a 'Filter by location' section with a 'Clear' button and a 'Search Location...' input field. A map of Europe is shown with a zoom control. Below the map, a list of countries is displayed: Germany (194716), Czech Republic (147249), and United Kingdom (65341). To the right of the map, there is an 'Atom Feed' button and a 'Search datasets...' input field. Below the search field, it states '545,826 datasets found' and an 'Order by: Last Modified' dropdown menu. The main content area also features a 'Block' section with a description of the Brussels-Capital Region and a 'Public way' section with a description of the entity PW. Both sections include a GeoCatalogue de la Région de Bruxelles-Capitale | November 30, 2016 link.

<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



Reuse



Processability



Comprehension



Trust



Interoperability

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

# Open Standards

W3C » Standards » All Standards and Drafts









## ALL STANDARDS AND DRAFTS

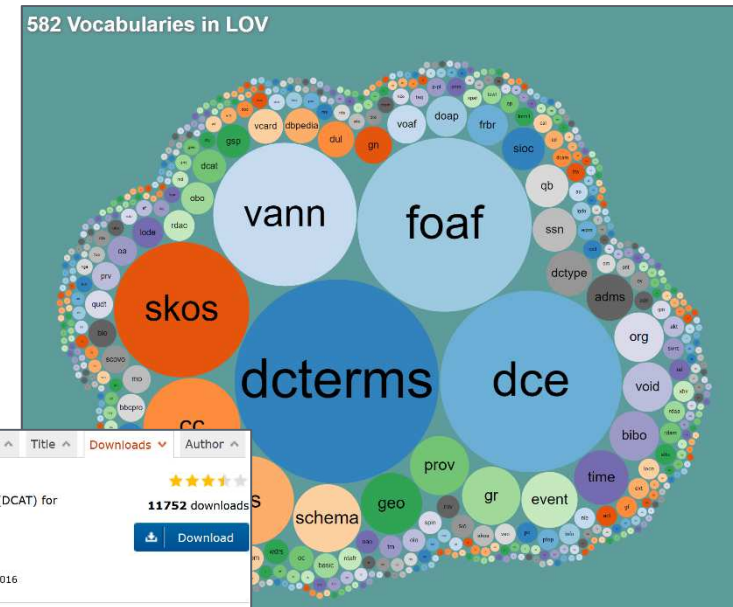
Select  sorted by

☐ Show details ☒ Hide details

- ▶ Accessibility (All)
- ▶ Accessible Rich Internet Applications (WAI-ARIA)
- ▶ Audio
- ▶ Authoring Tool Accessibility Guidelines (ATAG)
- ▶ Automotive
- ▶ Best Practices for Authoring HTML
- ▶ CC/PP
- ▶ Content Transformation
- ▶ CSS
- ▶ CSS Mobile
- ▶ CSV on the Web
- ▶ Data on the Web
- ▶ DCCI
- ▶ Declarative Web Applications
- ▶ Device Description Repository
- ▶ Device Independence Authoring

1 to 20 of 298 results

	Relevance	Popularity	Created	Title	Downloads	Author
	<b>DCAT application profile for data portals in Europe</b>	★★★★★	11752 downloads	is a specification based on the Data Catalogue <b>vocabulary</b> (DCAT) for describing public sector datasets in Europe. ...	 Download	
Project   Created by <a href="#">Semic .eu</a>   Created: 26 October 2015   Updated: 30 August 2016						
	<b>DCAT Application Profile for Data Portals in Europe - Final</b>	★★★★★	5956 downloads	DCAT-AP v1.1 is now available. Find out more here. This interoperability solution page describes version 1.0 of DCAT-A ...	 Download	
Interoperability Solution   Created by <a href="#">Mark Dekkers</a>   Created: 06 August 2013   Updated: 26 July 2016						
	<b>Core Public Service</b>	★★★★★	3545 downloads	The Core Public Service <b>Vocabulary</b> is a simplified, reusable and extensible data model that captures ...	 Download	
Project   Created by <a href="#">Semic .eu</a>   Created: 29 October 2012   Updated: 30 November 2016						
	<b>Asset Description Metadata Schema (ADMS)</b>	★★★★★	3325 downloads	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 ...	 Download	



<https://www.w3.org/TR/>  
<https://joinup.ec.europa.eu/>

<https://lov.okfn.org/dataset/lov>



# Open Standards



**OpenSpending**



**Open Contracting  
Data Standard**

***Open311***

**OPEN  
REFERRAL**

<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](https://docs.google.com/document/d/1XkfQrNhixjdrnFun0D4w1N7KRDwa_51nTd9ANCuyPJQ/edit)



# Catalogue for Discovery and Evaluation of Open Standards

GovEx

January 4, 2016 - in Data Standards, Blog

Q&A

Open Data


Performance Analytics

Areas of Interest

# Enabling Civic Data Standards

By [Andrew Nicklin](#)

Governments share lots of data that impacts the lives of hundreds of millions of people. This data is often not available to the public, and even when it is, it is often in a format that is not easy to use. This is a problem because the data is often the key to effective production and consumption of goods and services.



## GEO THINK'S OPEN DATA STANDARDS PROJECT

Assisting municipal open data publishers in standardizing their datasets

[FOR MORE INFORMATION ABOUT THE PROJECT CLICK HERE](#)

\*\*\*\*\*

**1 SELECT A TYPE OF MUNICIPAL DATA**

Dataset:

Crime Statistics

### Standards for Crime Statistics Datasets

Legend: Yes No No Data

Click on for more info on the standard. Click on for the standard's publisher. Click on for an example. For a metric's rationale, hover over the metric score in the "Breakdown" column.

Standard Name	Breakdown	Last Updated By Publisher (m-d-y)	Version	Standard Specification	General & Contact Information	Information Last By GeoThink (m-d-y)	Verified	Update
SP070 The Open Crime Standard (SP070)	Yes Yes Yes Yes Yes Yes	10-15-2014	N/A	Specification	Open CR	10-15-2014	✓	Update

Initiatives

Participate



About

Contact

# Bringing together the United States of data.

The U.S. Data Federation supports data interoperability and harmonization across Federal, state, and local government agencies by highlighting common data formats, API specifications, and metadata vocabularies.

## Initiatives

Building & Land Development Specification

National Information Exchange Model

Open Referral

### Local authority eng register

ALPHA

This is a new service – your [feedback](#) will help us to improve it.

### Local authorities in England

Managed by:



Department for Communities and Local Government

Total records:

354

Total entries:

354

Last updated:

13 October 2016

<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](https://docs.google.com/document/d/1rsfU8JE0U6KoezF99tWw-wakyHF3gc61W3Oj_8-NTw4/edit)

# Standard Assessment Methodologies and Crosswalk

Standard assessment methodologies and crosswalk						
File Edit View Insert Format Data Tools Add-ons Help Last edit was yesterday at 22:23						
fx 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		dc: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](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)

The screenshot shows the DATA.GOV.IE website with the 'Open Standards' section active. The left sidebar contains filters for PUBLISHER, LICENCE, THEME, and RESOURCE FORMAT. The main content area displays 3 results, each with a title, description, publisher, and download links.

**DATA.GOV.IE** Home Datasets Publishers Suggest Dataset Showcases About Us More Tools

/ Open Standards

Search for data...

**3 results** Sort by: Popularity

**Register of Irish Public Bodies**  
Government and Public Sector  
Department of Public Expenditure and Reform  
Register of Irish Public Sector Bodies

**DCAT-AP**  
Government and Public Sector  
European Commission  
The DCAT Application profile for data portals in Europe (DCAT-AP) is a specification based on W3C's Data Catalogue vocabulary (DCAT) for describing public sector datasets in Europe. Its...

**DCAT**  
Government and Public Sector  
World Wide Web Consortium  
DCAT is an RDF vocabulary designed to facilitate interoperability between data catalogs published on the Web. This document defines the schema and provides examples for its use. By using...

**PUBLISHER**  
World Wide Web Consortium (1)  
European Commission (1)  
Department of Public Expenditure and Reform (1)

**LICENCE**  
Creative Commons Attribution (CC-BY 4.0) (2)  
Other Licence (1)

**THEME**  
Government and Public Sector (3)

**RESOURCE FORMAT**  
RDF (3)  
TTL (1)

<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>