Discovering Open Data Standards

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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/
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

Enabling Civic Data Standards

By Andrew Night

Governments share lots of data. Each organisation produces data to improve its service delivery and make life easier for the people it serves. But it is a challenge to make this data compatible with other data sets, and in doing so add value. Civic data, by its very nature, is intended for the citizens of the city. To make such data accessible and usable by everyone, governments have to follow shared standards to make the data interoperable.

GEOTHINK’S OPEN DATA STANDARDS PROJECT

Assisting municipal open data publishers in standardizing their datasets

[Image of a website interface]

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
### Standard Assessment Methodologies and Crosswalk

(created by James McKinney, Phil Ashlock, et al.)

[https://docs.google.com/spreadsheets/d/1bfSLcqrJc1bE2kgP8RrF7Z-A1HQ_EqxL1G0aia20/edit](https://docs.google.com/spreadsheets/d/1bfSLcqrJc1bE2kgP8RrF7Z-A1HQ_EqxL1G0aia20/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