Open government for greater public sector transparency and accountability in Arab countries

Economic and Social Commission for Western Asia



Open Data Platforms

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Outline

- Definition
- Options for creating open data platforms
- Open data platform solutions

Open data platforms

Open data platforms are pieces of software that make it simpler to publish and manage open data on the Web.

3 Key features:

- Discoverable data
- Consistent access to data
- Consistent user experience

Open data platforms

For data publishers:

A guide through the process of publishing data



For data users:

consistency and ease of access to open data from around the world





Publishing datasets as files on a website

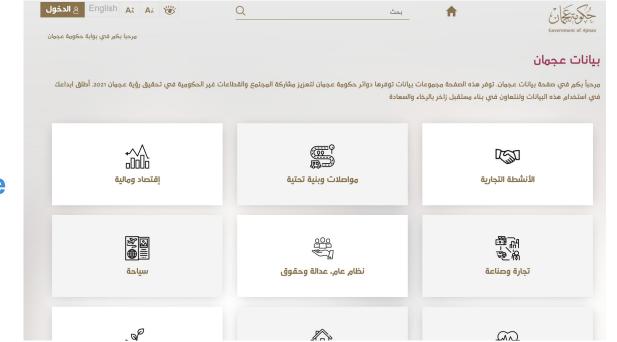


Uploading datasets as files to a dedicated open data portal



Publishing through an API

Publishing datasets as files on a website



Ajman Data website

Uploading to an open data portal:

data.gov.uk | Find open data Publish your data Documentation Support BETA This is a new service - your feedback will help us to improve it

Find open data

Find data published by central government, local authorities and public bodies to help you build products and services



Data.gov.uk

Business and economy

Small businesses, industry, imports, exports and trade

Crime and justice

Courts, police, prison, offenders, borders and immigration

Defence

Environment

Weather, flooding, rivers, air quality, geology and agriculture

Government

Staff numbers and pay, local councillors and department business plans

Government spending

Mapping

Addresses, boundaries, land ownership, aerial photographs, seabed and land terrain

Society

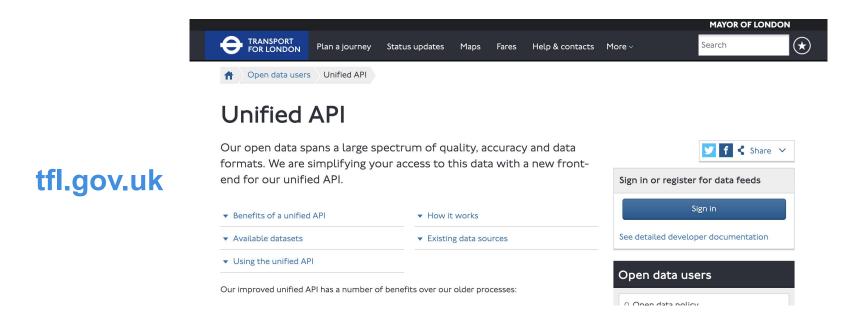
Employment, benefits, household finances, poverty and population

Towns and cities

https://data.gov.uk/

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Using Application Programming Interface (APIs):





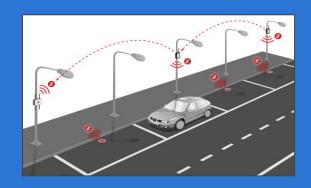
Why to consider (APIs)?





Why to consider (APIs)?

Because we need to make data available and understandable for both humans and machines.









Open data formats













Human Consumption Machine Consumption

Making transport "smart" with data





- Population: 9 million
- Visitors: 19 million a year
- 10 million daily trips via public transport.

- Over 5,000 developers
- 800+ apps

58:1 is the ROI from open data for Transport for London (2014)



Key features of open data platforms...

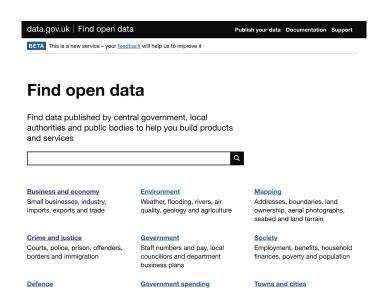
- Usability and accessibility
- Data catalogue
- Metadata
- Data licence
- Dataset download option
- Data format
- Data preview
- Data visualization

- Search function
- Engagement
- Application programming interface (API)
- Security
- Monitoring and analytics

Key features of open data platforms...

Demo

Data.gov.uk





Sample open data platforms solutions









Reflections

What is one thing you're going to go away and do after today?



Thank you

Economic and Social Commission for Western Asia



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Open Data Inventory and Catalogue

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Outline

- Definitions
- Creating the inventory and catalogue
- Data Spectrum
- Data licence

Post-lunch Exercise!!

On a piece of paper, write down a number that reflects something about you or your life!

5 minutes

Definitions

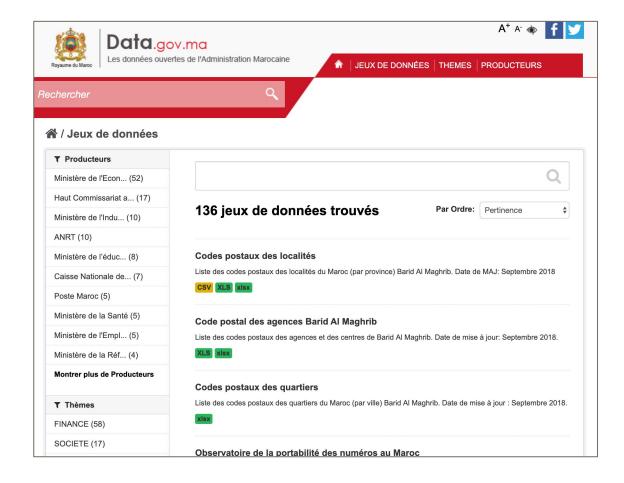
The inventory is the master record of all high-value datasets owned by that organization and are candidate to be published as open data.

An open data catalogue contains datasets that have already published as open data;

The catalogue forms only a subset of the inventory.

Definitions

Data.gov.ma



Key benefits

The inventory

- Defines the pool the potential high-value datasets
- Can be used to design a roadmap for publishing open datasets
- Can be used to monitor data publication progress

Key benefits

The catalogue

- Facilitates user access to published datasets
- Enables the open data team to automate some of the data publication and update tasks.

Creating the inventory and catalogue

Sample Approach



Ministry of Information and Communications Technology

سياسة البيانات الحكومية المفتوحة Open Government Data Policy "Government entities should conduct an **inventory of existing data** early in the process of development of
their respective open data policy in order for the
government and other stakeholders to be aware of the **full potential dimensions of data release**."

"Government entities should make the inventory public"

"An individual or group should be charged with oversight of the inventory to ensure its ongoing maintenance and accuracy."

Creating the inventory and catalogue

Sample Approach



Each agency should "conduct review and identify datasets for release (refer Appendix 4 for dataset examples) and maintaining the Open Data inventory/catalogue;"

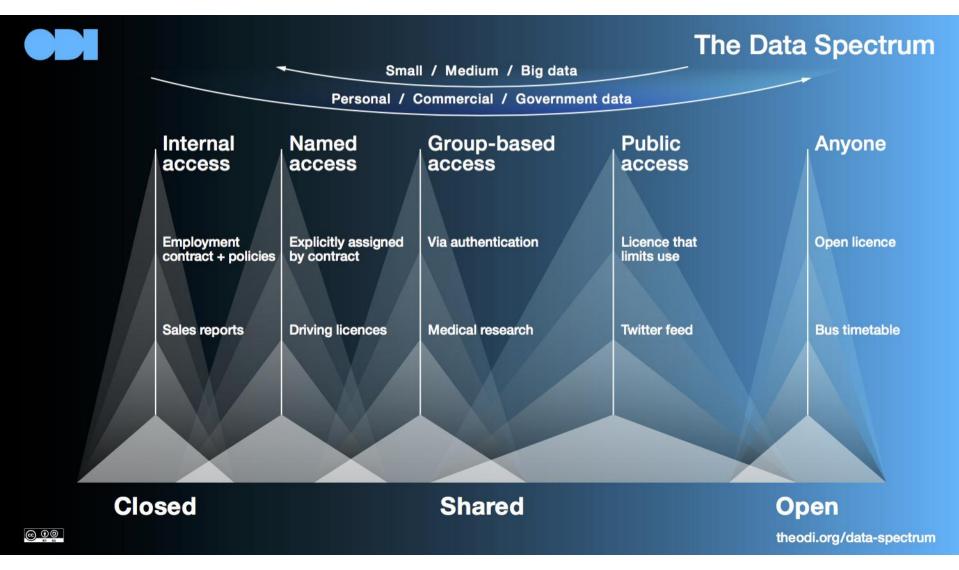
A recommended process

Classify datasets according to eligibility for publishing

Preparing a master list of all high-value datasets

Publish these datasets online

Maintain the published datasets





شيكاغو: نشر بيانات الركوب التشاركي بشكل مفتوح

13 يونيو,2019/ البيانات

في خطوة تثير مخاوف انتهاك الخصوصية، نشرت مدينة شيكاغو بيانات شاملة من شركات الركوب التشاركي تخص الرحلات والسائقين والمركبات على منصتها للبيانات

ت النقل والحركة في



أستراليا: بواية وطنية مفتوحة لقياس أداء المدن الكبري

25 ديسمبر,2017/ **البيانات**

استمراراً لسجلها المتميز في مجالات الابتكار والبيانات المفتوحة، أطلقت أستراليا قاعدة بياناتٍ مفتوحة تركز على قياس أداء مدنها الكبرى بشكل منهجى ومفتوح.

وتهدف بوابة "إطار أداء المدن" (Naitonal Cities Performance Framework Dashboard) على قياس مدى



البيانات المفتوحة في غانا لتشجيع المواطنين على التفاعل مع المشاريع العامة

26 أغسطس, 2017/ البيانات

لجأت الحكومة في غانا إلى البيانات المفتوحة من أجل تشجيع المواطنين على المشاركة السياسية وحققت نجاحاً

راذ بدأت الحكومة منذ نحو عامين شراكة ئة – TransGov نتج عنها منصة رقمية ر بيانات حول مختلف مشروعات البنية لها الحكومة بحيث يمكن للمواطن متابعة في منطقته والتعليق عليها وإبداء عمل فيها.

خرائط البيانات المفتوحة لتحسين نظافة الشوارع في لوس أنجليس

16 مارس,2017/مدن المستقبل

تستعين "مبادرة شوارع لوس أنجليس النظيفة" Clean Streets LA بالبيانات والخرائط لتحسين مستوى النظافة في شوارع مدينة لوس أنجليس الأمريكية. وتُقدم من خلال أداة "كلين ستات" CleanStat خريطة النظافة في جميع أحياء المدينة، وتنشرها للجمهور ومختلف الإدارات الحكومية والقطاع الخاص.

حكومـة المستقبل ... الآن

01government.com

Key three factors

- Strategic agenda and objectives
- User demand
- Data readiness

Key Datasets as Identified by G8 Open Data Charter, 2013

Data Category (alphabetical order)	Example datasets			
Companies	Company/business register			
Crime and Justice	Crime statistics, safety			
Earth observation	Meteorological/weather, agriculture, forestry, fishing, and hunting			
Education	List of schools; performance of schools, digital skills			
Energy and Environment	Pollution levels, energy consumption			
Finance and contracts	Transaction spend, contracts let, call for tender, future tenders, local budget, national budget (planned and spent)			
Geospatial	Topography, postcodes, national maps, local maps			
Global Development	Aid, food security, extractives, land			
Government Accountability and Democracy	Government contact points, election results, legislation and statutes, salaries (pay scales), hospitality/gifts			
Health	Prescription data, performance data			
Science and Research	Genome data, research and educational activity, experiment results			
Statistics	National Statistics, Census, infrastructure, wealth, skills			
Social mobility and welfare	Housing, health insurance and unemployment benefits			
Transport and Infrastructure	Public transport timetables, access points broadband penetration			

The Open Data
Prioritization Tool For
Global Development



Group Exercise!

Working in groups, identify one government organisation in your group and suggest top 3 datasets it should publish as open data!

10 minutes

Publishing the identified datasets online

When publishing data online, we need to consider the following factors at least:

- The open license
- Format
- Metadata
- Quality parameters

The data licence

A licence provides clarity.

It sets out exactly what users and re-users are permitted to do with your dataset.

Some drafting tips

"Under this licence you can:"

[what is permitted?]

"You must, where you do any of the above:"

[do you have any restrictions?]

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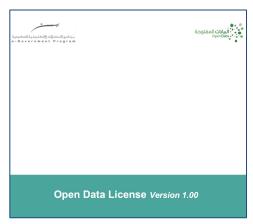
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1- Creative Commons



2- A bespoke or custom-made licence



https://www.ajman.ae/ar/ajman-data https://data.gov.sa/en/home http://www.nationalarchives.gov.uk/

3- Open government licence



Not all data can be open data

Your dataset might contain:

- Commercially sensitive information
- Culturally sensitive information
- Third party IP
- Personal information

Can personal data ever be published as open data?

Yes!

E.g. financial accountability reporting

The Department of Transport and Main Roads 2015-16 Annual Report – Overseas Travel data is required to be published under the Financial Accountability Act 2009 (section 63) and as specified in the Annual report requirements for Queensland Government agencies.

Name	Position	Destination	Agency Cost \$	Contribution from of	External contributor	Reason for travel
Desmond Mahoney	Senior Investigations Officer	New Zealand	2272	0	nil	Evidence gathering after discharge
Peter Evans / Jothi Ramanujam /	Deputy Chief Engineer / Director Pavemer	Sri Lanka	0	16276	TMR employees	Attend and present papers at the
Senarath Weekakoon	Engineer	New Zealand	3297	0	nil	Attend and present at the 2015 Co
lan Gray	Director (Delivery Risk)	England	9918	0	nil	Optimise value for money in the p
David Hinds	Risk Manager TRNP	South Korea	1017	4294	Permanent International As	Collect award for a prize winning
John Fitzgerald	Manager (Risk)	New Zealand	1794	0	nil	Represent Austroads and TMR on
Stuart Langan / Simon Cook	Program Director (NGR) / General Manage	India	19114	0	nil	To visit NGR manufacturing site in
Neil Scales	Director-General	South Korea	2508	4736	AusRoads	Attend the 25th World Road Cong
Miles Vass	Deputy Director General	South Korea	8404	0	nil	Present paper entitled 'Risk Mana
Stuart Langan	Program Director (NGR)	India	3524	0	nil	To visit NGR manufacturing site in
Jason Venz	Principal Engineer	Germany	56	3989	TMR employee	Attend meeting of International Si
Dr Owen Arndt	Director	USA	7510	0	nil	Attend and present two papers at
Andrew Mahon	A/ Exceutive Director	New Zealand	1830	0	nil	Attend Austroads, Registration ar
Captain Peter Listrup	Director Smartships Australia	Singapore	8111	0	nil	Meet with key maritime industry e
John Spathonis / Craig Smith	Austroads Technology Program Manager	New Zealand	2331	0	nil	To attend the Austroads Road De
David Bobbermen	Austroads Program Manager	USA	1503	5071	3M	3M visit and ATSSA convention
Russell Hoelzl	Director Freight	France	3191	2067	AusRoads	Represent Australia and New Zea
Don Bletchly	Chief, Transport Network Security & Resili	Taiwan	1437	3500	Ministery of National Defend	Attend Taiwan Government Huma
Don Bletchly	Chief, Transport Network Security & Resili	Belgium	4542	0	nil	Attend International Working Grou
Dennis Walsh	General Manager - Land Transport Safety	Netherlands	7668	0	nil	Gain knowledge to assist in plann
Simon Cook	General Manager - Passenger Transport S	India	10699	0	nil	Assessment of the implementation
Mike Pickering	Director (Pavements, Research and Innov	UK, Europe	22820	0	nil	To participate in the Australian As
Michael Whitehead	Director (Road Design)	New Zealand	1634	0	nil	To represent the department on the
Stuart Langan	Program Director (NGR)	India	6881	0	nil	To visit NGR manufacturing site in

Updating the inventory & catalogue

- Adding more datasets to the open data inventory;
- Enriching the open data catalogue by selecting new datasets from the inventory and publishing them on the catalogue;
- Receiving and responding to any inquiries or requests from the public;
- Solving any issues, such as broken links, that may emerge;
- **Updating** the datasets as promised in the metadata.

Reflections

What is one thing you're going to go away and do after today?



Thank you

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