

Start Daten Beteiligte Blog Daten anfragen Anwendungen

NEUE DATEN

GEO INFORMATION SYSTEM

DATEN SUCHEN

NEUE DATEN

KONZEPT ZUR INTERNETSTADT
Ziele - Strukturen - Zusammenarbeit - Unterstützung

ERGEBNISSE OPENDATA Wettbewerb

ジャンル	データ名	説明		公開日
地図	都市計画現況図平成12年版	都市計画現況図を1レイヤに統合してあります ページ下部の注意事項をご覧ください	Shape (ZIP: 123MB)	2013年12月11日
地図	都市計画現況図平成12年版 レイヤ別	都市計画現況図を分類ごとにレイヤを分けたものです ページ下部の注意事項をご覧ください	Shape (ZIP: 111MB) 説明 (CSV: 1KB)	2013年12月11日

NEUESTE DATENSÄTZE

Comparing the Distribution of Open Geospatial Information between the Cities of Japan and Other Countries

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Center for Spatial Information Science,
the University of Tokyo



Outline

- The **background** on this study: open data
- The **overview** and situation of Japanese open data cities
- **Comparison** with open data in the international open data cities
- **Conclusions**

“Open means **anyone** can **freely access, use, modify, and share** for **any purpose** (subject, at most, to requirements that preserve provenance and openness).”

by opendefinition.org

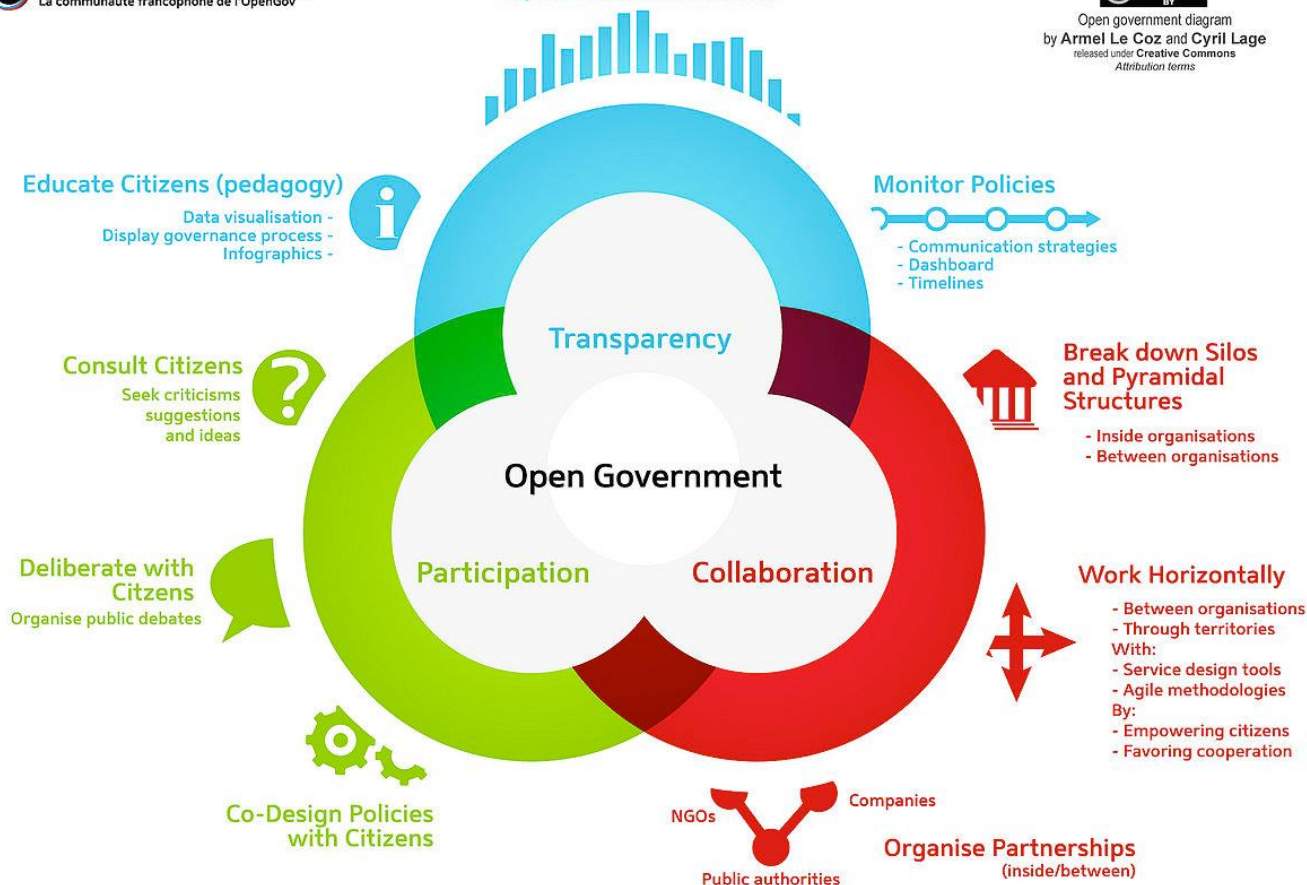
Open government diagram



Open Government Data



Open government diagram
by Armel Le Coz and Cyril Lage
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Attribution terms



G8 Open Data Charter 2013.6.18

→ High Value Data is **Geospatial** !

Policy paper

G8 Open Data Charter Annex

Published 18 June 2013

Contents

1. Principle 1: Open Data by Default
2. Principle 2: Quality and Quantity
3. Principle 3: Usable by All
4. Principle 4: Releasing Data
5. Principle 5: Releasing Data
6. Technical annex

Action 2: Release of high value data

- We recognise the following as areas of high value, both for improving our democracies and encouraging innovative re-use of data.

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
Pre-Commercial	Aid, food security, extractives, land

1) The world is witnessing the growth of a global movement facilitated by technology

Source:

<https://www.gov.uk/government/publications/open-data-charter/g8-open-data-charter-and-technical-annex>

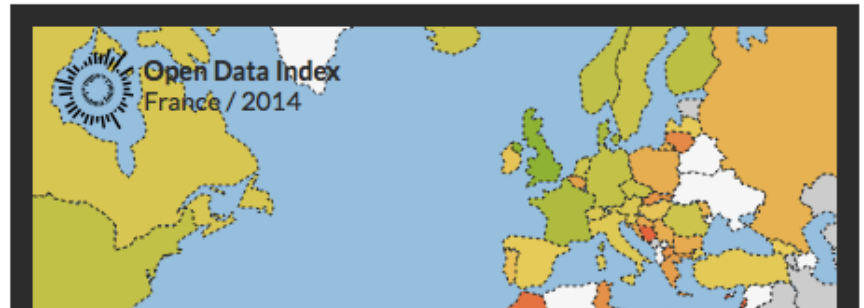
http://www.mofa.go.jp/mofaj/gaiko/page4_000099.html

However...

France

80% open

France is ranked #3 in the 2014 Index



France's overall Index ranking is up

NUMBER OF PLACES **15**

NUMBER OF DATASETS **54**

NUMBER OF OPEN DATASETS **20**

PERCENTAGE OPEN **37%**

Key: ■ Yes ■ No ■ Unsure ■ No data

+ Add information

Sort

- alphabetically
- by score

Real-Time Transit

Annual Budget

Expenditure (detailed)

Election results

Air Quality

Transport Timetables

Public Facilities

Crime statistics

Procurement contracts

Food safety inspections

Traffic accidents

Building permits

Service Requests

Business Permits

Rank	City	Real-Time Transit	Annual Budget	Expenditure (detailed)	Election results	Air Quality	Transport Timetables	Public Facilities	Crime statistics	Procurement contracts	Food safety inspections	Traffic accidents	Building permits	Service Requests	Business Permits
1	Nantes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	Montpellier	No	Yes	Yes	Yes	No	No	No	Yes	No	No	No	No	No	No
3	Paris	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
4	Lille	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
5	Marseille	Unsure	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No
6	Bordeaux	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No
13	Le Havre	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data

Source: <http://fr-city.census.okfn.org/>

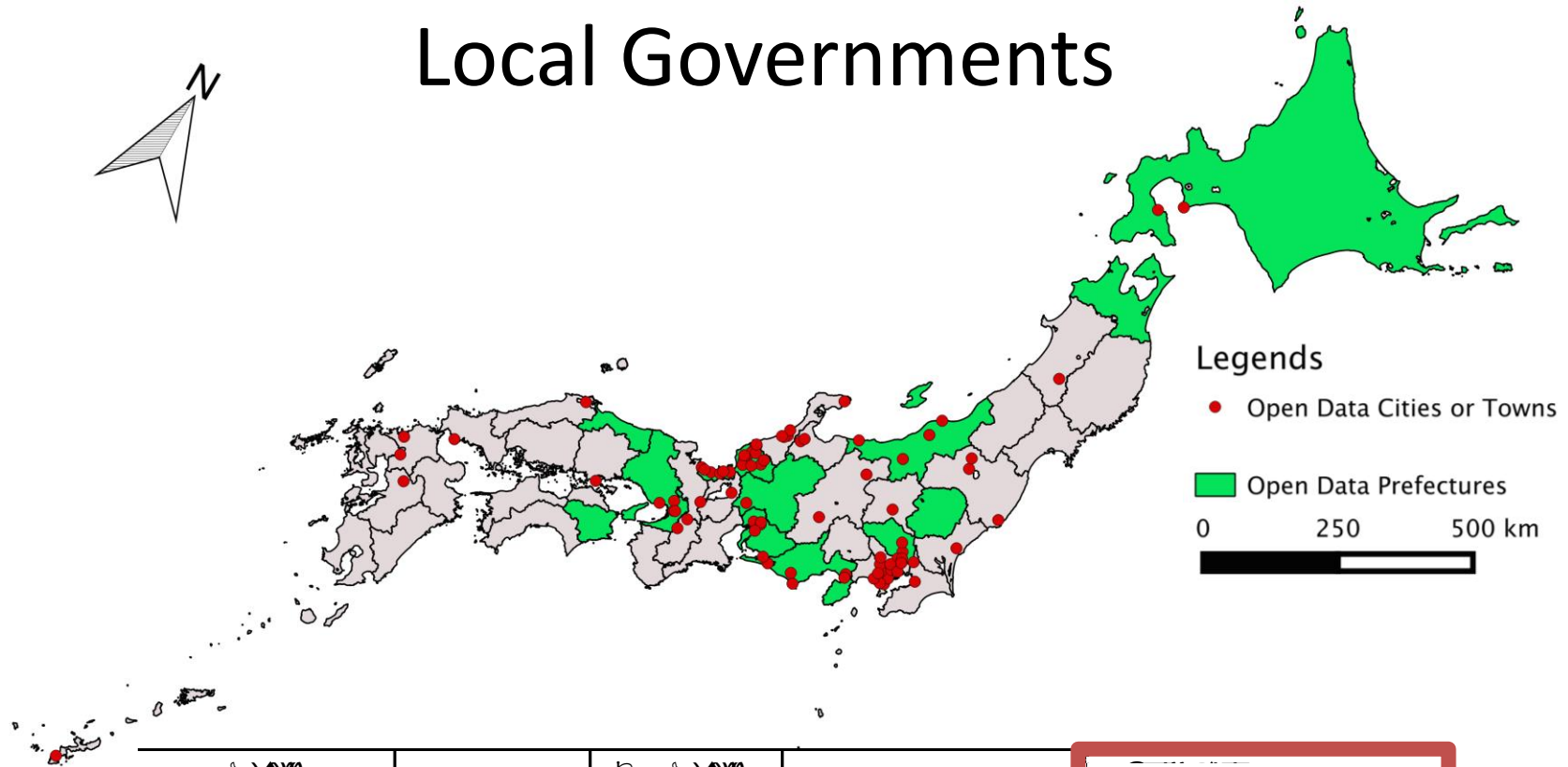
Background and Purpose

1. The focus of open data for open government and geospatial information distribution
(cf. Sui, 2014; Kitchen, 2014; Johnson and Robinson, 2015)
 - Civic engagement with open data/government
 - Information distribution by open data platform
 2. Development and distribution of open geospatial data has not been compared at the local government level.
- This study examined the present situation and quantitative evaluation of open geospatial data by comparing local governments in Japan and the international open data cities.

The Overview and Situation of Japanese Open Government Cities



The Distribution of Open Data by Japanese Local Governments



					GIS Datasets

Open Data Distribution in Japanese Local Governments

(almost embedded in a static Web page: cannot easy to count!)

その他

区政情報一覧					
名称	概要	形式	サイズ	掲載日	更新日
平成25年度区役所業務の格付け結果	アンケート調査・訪問員調査の内容と結果	PDF、xls	-	2014年10月27日	-
平成24年度区役所業務の格付け結果	アンケート調査・訪問員調査の内容と結果	PDF、xls	-	2014年10月27日	-
巡回法律相談 相談日一覧表	区名、実施日、受付・予約方法、問合せ先、予約電話番号、所在地、最寄駅	xls	15KB	2014年10月10日	-

子育て情報

子育て情報一覧					
名称	概要	形式	サイズ	掲載日	更新日
児童いきいき放課後事業（愛称「いきいき」）実施場所一覧	区名、小学校いきいき名、所在地、「いきいき」専用電話	CSV	18KB	2014年10月24日	-
留守家庭児童対策事業 実施場所一覧	区名、名称、所在地、電話番号	CSV	6KB	2014年10月24日	-
都島区内保育所の空き情報	施設名・年齢毎の空き人数	xls	-	2015年2月1日	毎月1日

環境情報

環境局統計年報

環境局統計年報					
名称	概要	形式	サイズ	掲載日	更新日
平成24年度 環境局統計年報	環境保全事業統計、ごみ処理事業統計、し尿処理事業統計、廃衣汚物処理事業統計、埋火葬事業統計	PDF	-	2014年10月31日	-
平成23年度 環境局統計年報	環境保全事業統計、ごみ処理事業統計、し尿処理事業統計、廃衣汚物処理事業統計、埋火葬事業統計	PDF	-	2014年10月31日	-

運営

静岡県企画広報部情報統計局情報政策課
 TEL: 054-221-2360
 Mail: i-seisaku@pref.shizuoka.lg.jp

オープンデータカタログ

0237912

Open Data Catalog Shizuoka

Welcome to Open Data Catalog Shizuoka!

ようこそ、ふじのくにオープンデータカタログへ！

静岡県では、国の「電子行政オープンデータ戦略」（平成24年7月4日高度情報通信ネットワーク社会推進戦略本部決定）を踏まえ、二次利用可能なデータの公開環境を整備し、実際に公開を進めることで、行政の透明性の向上を図るとともに、公開データを利活用したビジネスが展開される環境を整え、オープンデータによる経済活性化の促進を図っていきます。

お知らせ

「ふじのくにオープンデータカタログ」は静岡県がオープンデータを実践するために設置したサイトです。本サイトは、データ活用に関心がある方々から色々な意見をいただくことで、使いやすいサイトにしていくとともに、いただいたコメントを踏まえ、柔軟な修正をしていくことを考えております。そのため、本サイトは利用規約も含め、予告なく変更される可能性があります。

新着情報

最新 | 20件 | [RSS](#)

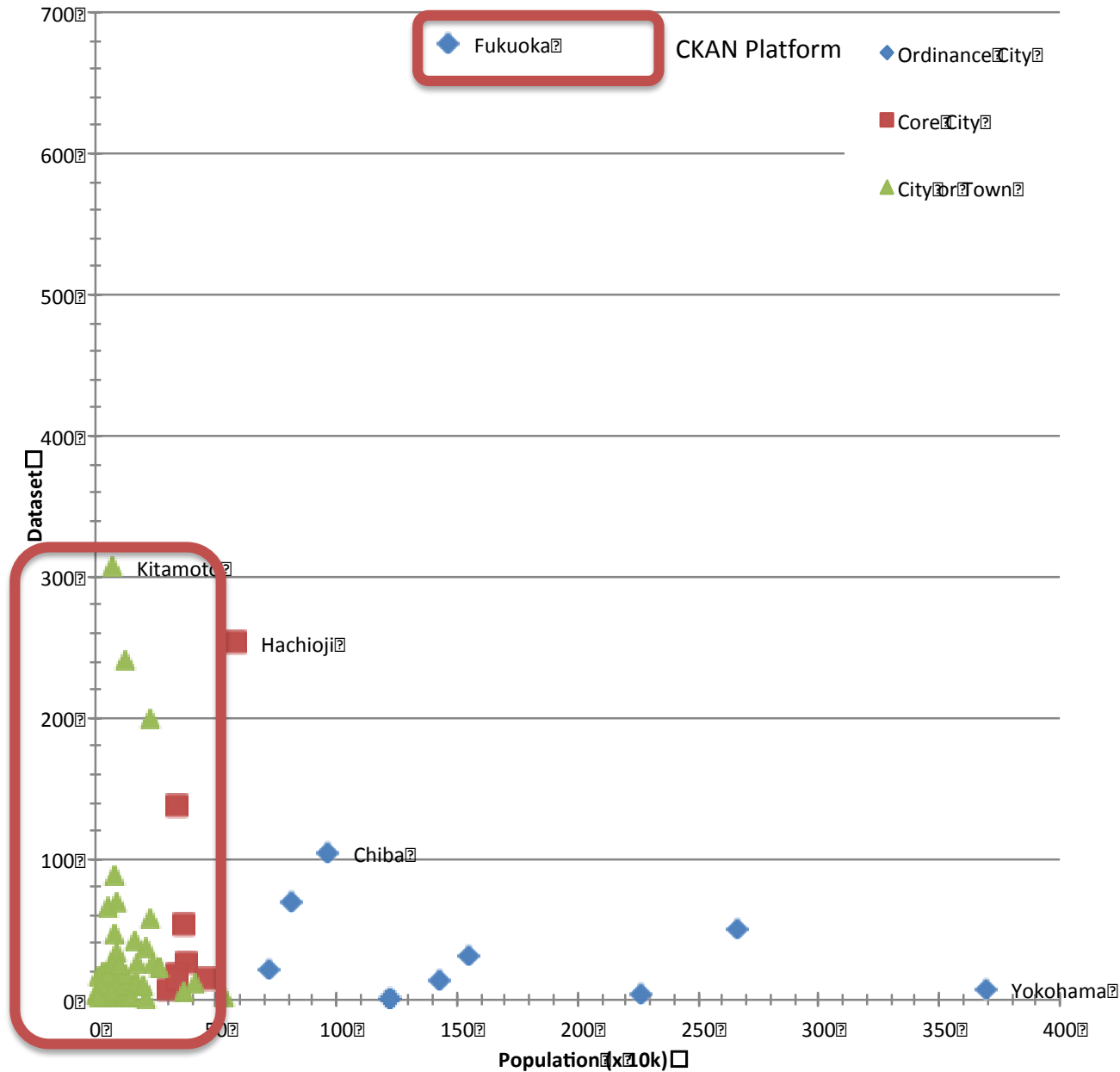
三島市内の桜の名所	三島市	02/20 15:21
御前崎市役所電話番号案内	御前崎市	02/19 10:10
投票所	磐田市	02/17 14:19
町別人口	磐田市	02/17 14:17
年齢別人口	磐田市	02/17 14:15
御前崎市家庭ごみ収集カレンダー	御前崎市	02/13 09:54
藤枝市2015年1月末現在年齢別人口	藤枝市	02/10 17:33
藤枝市2015年1月末現在大字別人口	藤枝市	02/10 17:32
藤枝市2015年1月末現在町内会別人口	藤枝市	02/10 17:30
御前崎市防火水栓一覧	御前崎市	02/04 17:16
御前崎市消火栓一覧	御前崎市	02/04 17:13
御前崎市市営住宅一覧	御前崎市	02/02 16:29
御前崎市公園一覧	御前崎市	02/02 16:26
御前崎市公衆無線LAN設置箇所一覧	御前崎市	01/26 16:38

The Comparison of Aggregates with Open Data Formats in Japanese Cities

Cities /Formats	Usual Formats				GIS Formats		Others	Total Datasets
	Document ★	XLS ★★	CSV ★★★	RDF ★★★★★	SHP ★★	JSON・KML ★★★★★		
Prefecture	94	58	723	0	47	38	1	961
Government Ordinance City	113	695	156	8	2	5	2	981
Core City	43	265	220	13	17	1	3	562
City and Town	218	531	601	280	35	74	18	1,757
Total	468	1,549	1,700	301	101	118	24	4,261

★ : The aggregates with “Linked Open Data 5 Star index”

The Comparison of Japanese Open Local Governments



Comparison with Open Data in the International Open Government Cities



CKAN: about 110 local governments (mainly European cities and a few Japanese cities)

Socrata: many local governments in the United States



Home / CKAN instances around the world

CKAN instances around the world

The CKAN data management platform is in use by numerous governments, organisations and communit don't know of all the instances, but here is a showcase of the ones we are aware of. We are proud and e of CKAN – if you would like to see your CKAN instance here [add it to the CKAN Census!](#)

To view instances by region or type, just choose the correct facet below.

Show: **Featured** Region **Local / Regional Government**



Amsterdam Open Data.nl

CKAN catalogue (combined with Liferay Front-end) for Open Data in the City of Amsterdam.

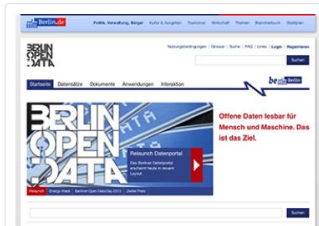
Amsterdam, The Netherlands



Annuario statistico del Comune di Firenze

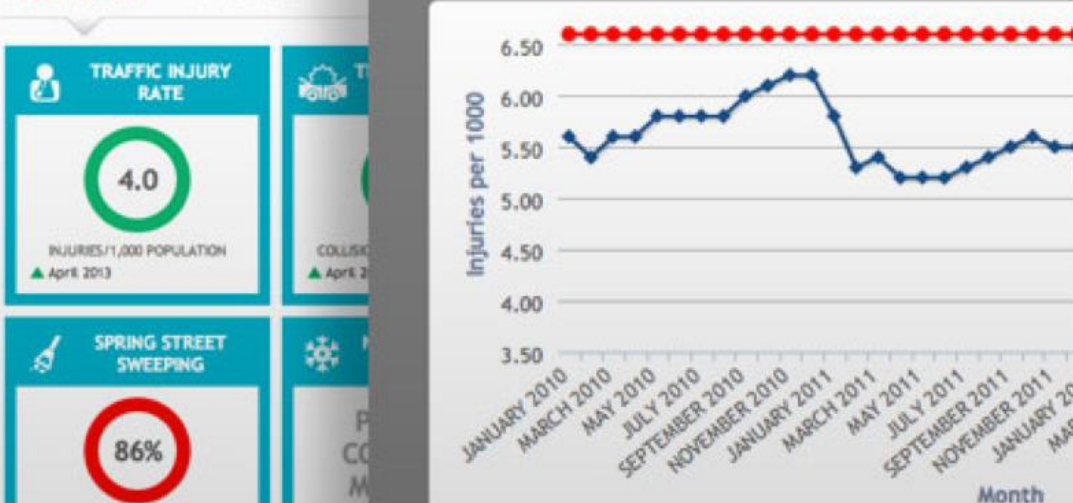
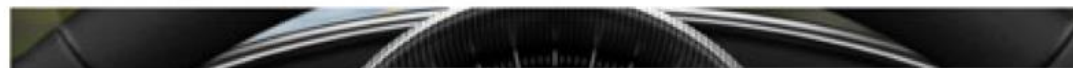
L'Annuario in questa nuova veste va ad affiancarsi alla pubblicazione del Bollettino mensile di statistica che propone oltre a focus demografici diversi ogni mese, il punto sull'andamento dei prezzi al consumo e sull'andamento meteorologico, oltre alla pubblicazione dei report completi delle numerose ricerche e indagini che l'ufficio continua a produrre.

Italy



Berlin Open Data

Berlin Open Data provides data held by



GitHub: Philadelphia, Chicago...

GitHub

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CityOfPhiladelphia / CityPlanning-geodata

★ Star 1

🍴 Fork 2

branch: master CityPlanning-geodata / School_Facilities / School_Facilities.geojson

aposes on 7 Jul School Facilities

1 contributor

1 lines (1 sloc) 314.761 kb

Raw Blame History



open
data
PHILLY

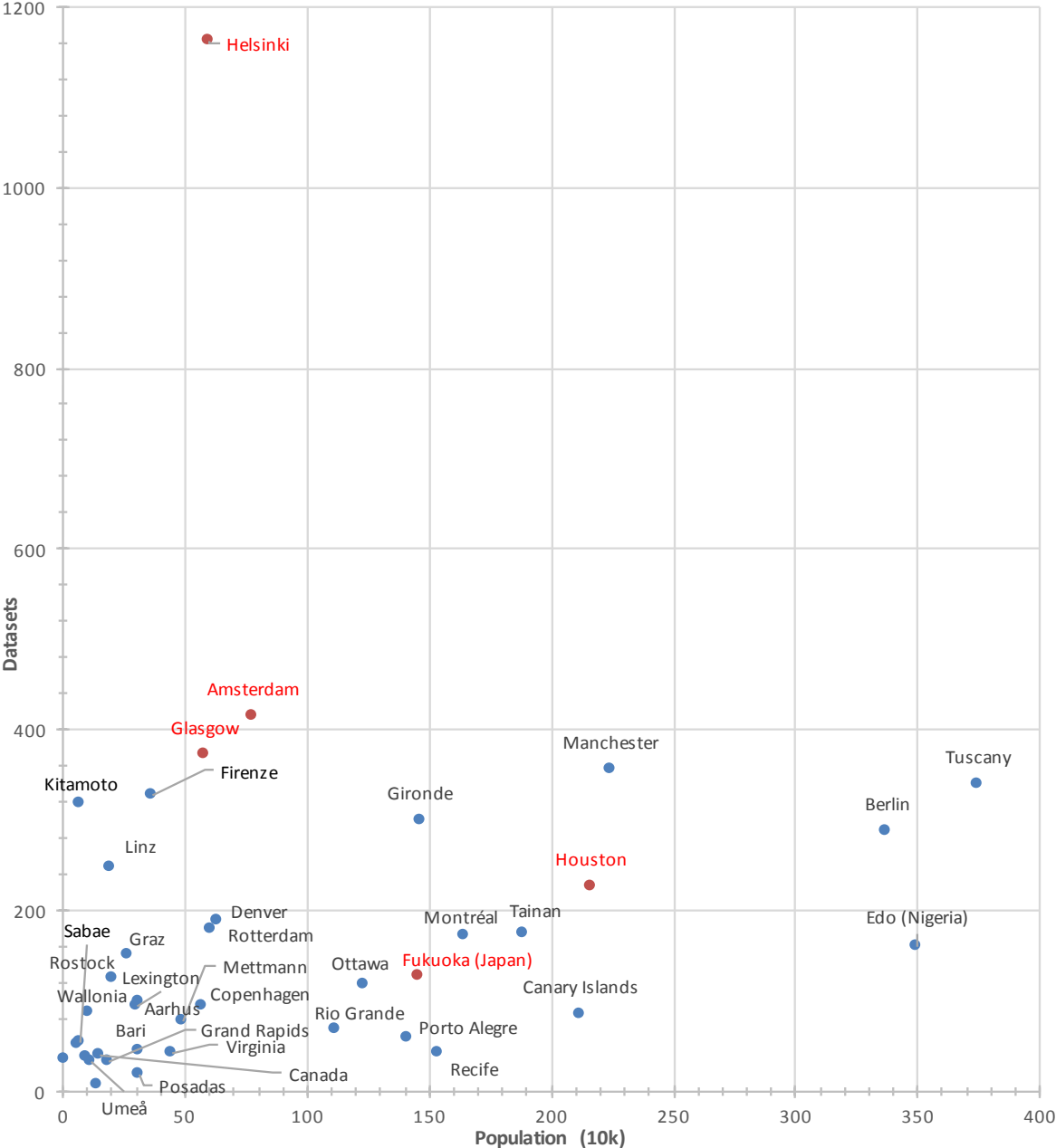
DATA

- All Data
- Arts / Culture / History
- Budget / Finance
- Economy
- Education
- Elections / Politics
- Environment
- Food
- Health / Human Services
- Parks / Recreation
- Planning / Zoning
- Public Safety
- Real Estate / Land Records
- Transportation
- Uncategorized

Methods

- To get all metadata of open data catalog of the individual cities using API (however, many open data cities difficult to deep access API).
- We choose 10+1 typical open data cities worldwide.
- To evaluate with quantitative status of published basic open data and open geospatial data

Comparison of Open Data Cities using the CKAN platform



Comparison of 10+1 International Open Government Cities

City Name	Platform	Total population of metro area (10k)	Urbanized area (km2)	Datasets	Resources	Category	Format	Avg. Datasets	GIS Datasets	GIS Datasets (%)
Amsterdam	CKAN	236.1	593	157	479	18	9	3.1	78	16.3
Glasgow	CKAN	94.8	262	372	512	13	13	1.4	429	83.8
Helsinki	CKAN	145.6	790	1,163	1,292	19	13	1.1	79	6.1
Houston	CKAN	562.9	4,827	225	357	42	19	1.6	199	55.7
Fukuoka	CKAN	252.4	380	126	684	7	4	5.4	11	1.6
Boston	Socrata	363.9	2,129	319	487	11	5	1.5	46	9.4
San Fransisco	Socrata	684.8	3,649	826	1,748	11	4	2.1	577	33.0
Chicago	Socrata	931.5	6,303	1,011	2,140	16	4	2.1	520	24.3
Dallas	Socrata	414.5	3,033	55	96	5	4	1.7	9	9.4
New York	Socrata	1,653.9	5,191	3,686	5,120	12	4	1.4	625	12.2
Philadelphia	Github	402.5	2,104	228	536	15	8	2.4	196	36.6
Total				8,168	13,451	-	-	-	2,769	-

(Cont'd.) Comparison of Open Data Format of 10 International Open Government Cities

Cities /Formats	Usual Formats						GIS Formats		Others Apps	Total
	Document ★	XLS ★★	CSV ★★★	XML ★★★★	API ★★★★★	RDF ★★★★★★	SHP ★★	JSON·KML·GML ★★★★★		
Amsterdam	52	17	31	0	12	0	30	11	326	479
Glasgow	15	56	337	6	0	0	40	54	4	512
Helsinki	86	922	27	17	0	0	63	29	148	1,292
Houston	50	91	10	3	6	0	185	10	2	357
Fukuoka	46	610	22	0	0	0	0	0	6	684
Boston	207	0	56	0	0	56	56	112	0	487
San Fransisco	0	0	437	437	0	437	0	437	0	1,748
Chicago	0	0	535	535	0	535	0	535	0	2,140
Dallas	0	0	24	24	0	24	0	24	0	96
New York	0	0	1,280	1,280	0	1,280	0	1,280	0	5,120
Philadelphia	183	3	13	9	110	0	118	5	95	536
Total	639	1,699	2,772	2,311	128	2,332	492	2,497	581	13,451

★ : The aggregates with “Linked Open Data 5 Star index”

Conclusions

- In terms of quantity, open data provided in Japan range from only a few to dozens of datasets; **however, format types and platforms are limited.**
- In contrast, local governments in the US and EU are more open to the provision of data in various formats. Some local governments in the EU have adopted the **open-source data portal platform CKAN, and provide open geospatial data in various formats.**
- In the US, local governments use Socrata, which allows data to be organized by format; **it was found that the proportion of RDF and geospatial data was relatively high.**

Future Research

- The deeply evaluation (cf. number of views and downloads of open data)
 - Necessary to devise or even retrieve statistics in API for data portal
- The evaluation by capture and introduction to the civic tech application
 - Update frequency and the data itself (in the case of geospatial information) creating precision scaling
 - Aim for open government: is the participation of a variety of citizens and entities able to achieve this?

Thank you for your attention !
Please suggest your cities situation

  @tosseto

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<http://researchmap.jp/tosseto>