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International Open Government Data Conference

What is the Value Proposition of Open Government Data? How Do We Measure Success?

Alex Howard, *Government 2.0 Correspondent , O'Reilly Media*



Sharon Dawes, Ph.D., *Senior Fellow, Center for Technology in
Government, University at Albany*

Jonas Rabinovitch, *Senior Inter-Regional Adviser on Knowledge
Management for Development, Division for Public Administration
and Development Management, United Nations Department of
Economic and Social Affairs (UNDESA)*



James Rolfes, Ph.D., *Chief, Division of Enterprise Architecture and
IT Strategic Planning and Chief Enterprise Architect, U.S. DOI
(Moderator)*





What's the value proposition for open data?

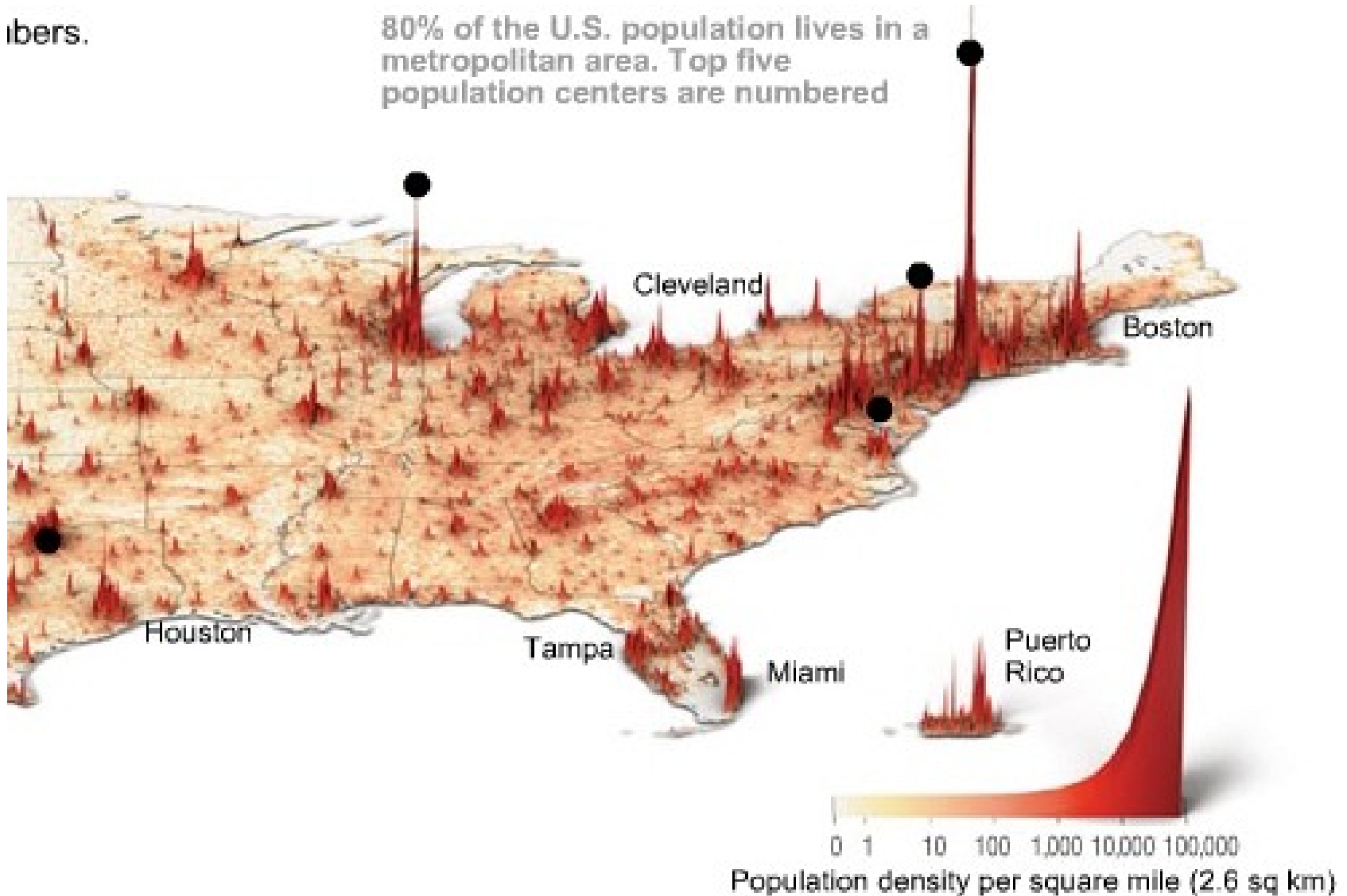
By Alexander Howard

[@digiphile]

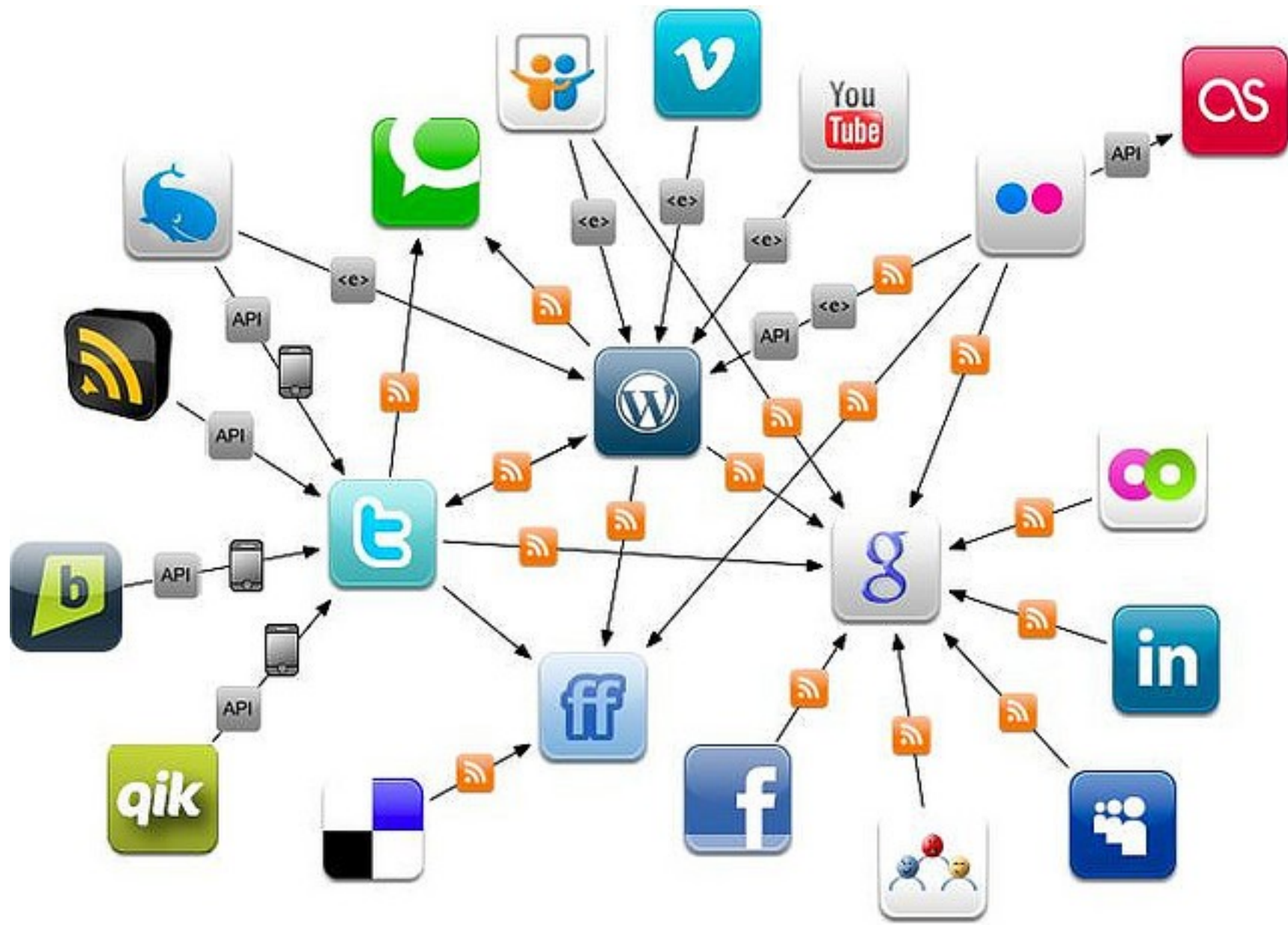
“Data is the next Intel Inside -Tim O’Reilly

ibers.

80% of the U.S. population lives in a metropolitan area. Top five population centers are numbered

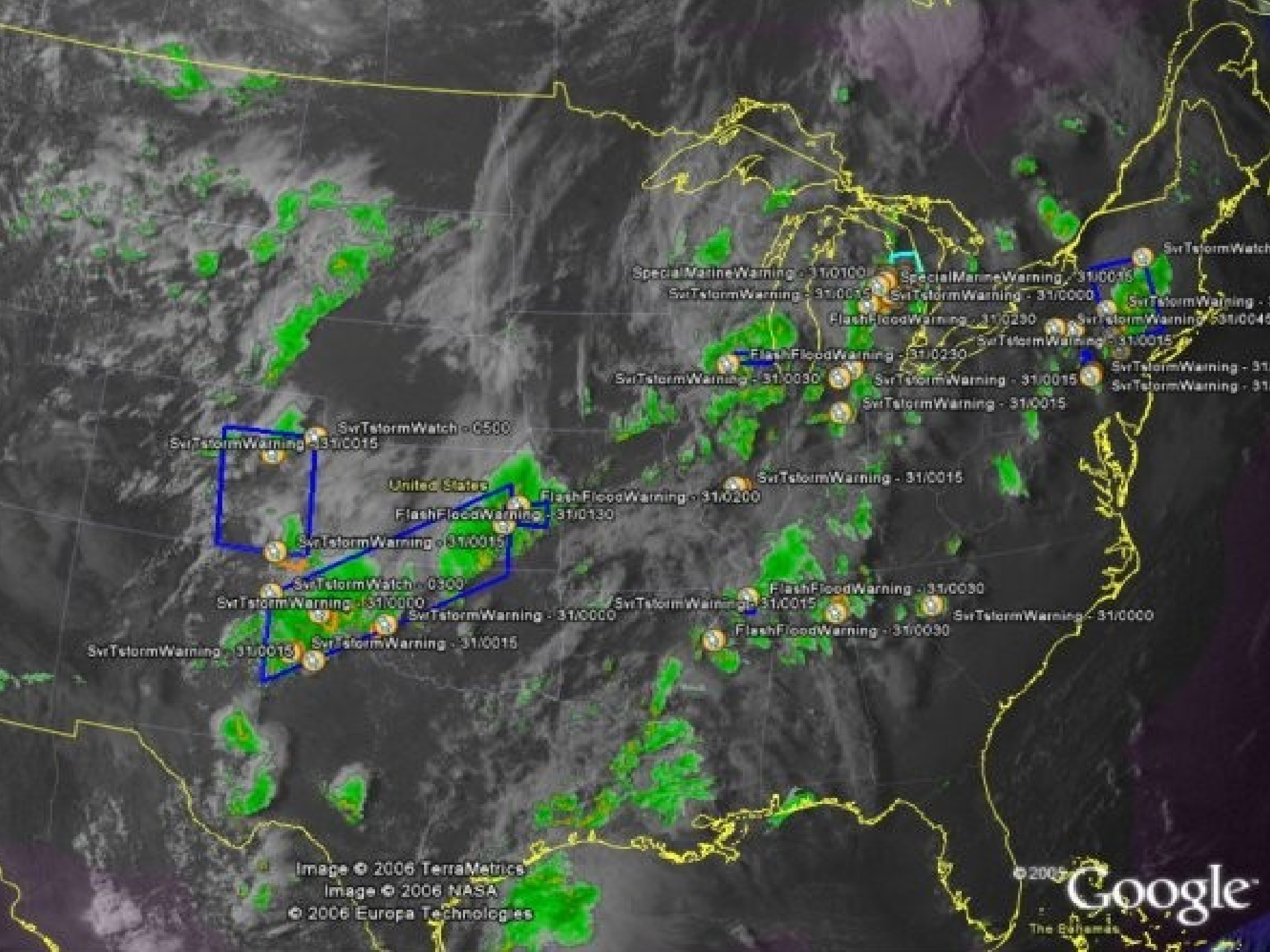


Data powers Web 2.0



Big data is a secret sauce

- The reason **Google** offered free 411 service was to get phoneme data for speech recognition algorithms
- **Amazon, LinkedIn** and **Facebook** use pattern recognition and relationship analysis to drive growth and connections



SpecialMarineWarning - 31/0100
SvrTstormWarning - 31/0015

SpecialMarineWarning - 31/0015
SvrTstormWarning - 31/0000

FlashFloodWarning - 31/0230

FlashFloodWarning - 31/0230

SvrTstormWarning - 31/0030

SvrTstormWarning - 31/0015

SvrTstormWatch - 0500

SvrTstormWarning - 31/0015

United States

FlashFloodWarning - 31/0200

FlashFloodWarning - 31/0130

SvrTstormWarning - 31/0015

SvrTstormWatch - 0300

SvrTstormWarning - 31/0000

SvrTstormWarning - 31/0000

SvrTstormWarning - 31/0015

FlashFloodWarning - 31/0030

FlashFloodWarning - 31/0030

SvrTstormWarning - 31/0000

SvrTstormWarning - 31/0015

SvrTstormWarning - 31/0015

Gov 2.0: the power of platforms

- **NOAA** and **GPS** data
- **NHIN Direct**: an open system for interchange of patient records between physicians (and ultimately patients)
- **FCC.gov/developer** – beginning to reboot one of the worst agencies website



How do you measure success?

#opendata success will ultimately be measured not by # of sets "open" but in outcome & quality of use by people & communities #iogdc



about 19 hours ago via Twitter for iPhone

Retweeted by 2 people

Reply Retweet



justgrimes

Justin Grimes

Cost reduction: FOIA and FOI requests



Job Creation

Zoning affects everyone.

zonability BETA LOCAL ZONING INFORMATION

home | blog | contact | library

Get zoning information by address!

Street:

City: San Francisco, CA

[Why can't I edit the city?](#)

Submit

Login:

Username:

Password:

Login

- New? Register for an Account
- Forgot your Password?

Latest from the blog:

3 Things for Agents/Brokers

Zoning is behind the look and feel of every neighborhood. Going through a neighborhood with large homes on large lots changes to a block of apartment buildings and then a park – that is zoning at work. Smart Money featured an article “10 Things Your Real Estate Broker Won’t Tell You”. Number 6 was Zoning. [...]

[Full blog entry](#)

Zonability is a winner of the "Apps for Californians" contest!



Contestants were required to combine open government data sets and APIs (application programming interfaces) to create mash-ups with the aim of enhancing government services and adding transparency. Judges looked at: usefulness, innovation, government efficiency and accessibility.

Our submittal was an iPhone web app designed for San Francisco, showcasing interactive zoning maps, geo-location and featuring an "email-a-planner" tool. The interactive map combines the Google API with San Francisco's zoning GIS layer and its zoning ordinance. Property details information came from Zillow's API.

Common Zoning Topics

Parking Requirements

[Driveway Length](#)
[Alley Impacts](#)
[Loading for Small Businesses](#)
[Off-street Parking for Homes and Small Businesses](#)
[Smart Growth Rules](#)

[more...](#)

Work Related

[Small Businesses](#)
[Home-based Businesses](#)
[Taxes](#)
[Business Licenses](#)

[more...](#)

Remodeling

[Remodeler's FAQ](#)
[Work without permit](#)
[Historical Districts](#)
[Neighborhood Notification](#)
[Fences](#)
[Exterior Changes](#)
[Health and Safety](#)

[more...](#)

Find all topics in our [Reference Library](#) of Common Zoning Issues.

Learn some common zoning terminology in our [glossary](#).

Internal Efficiencies



“Employees whose jobs required them to search agency databases estimate they lose an hour of work every day due to inefficiencies in the systems”

-[OhMyGov](#)

Global Climate Dashboard

Climate Change

Climate Variability

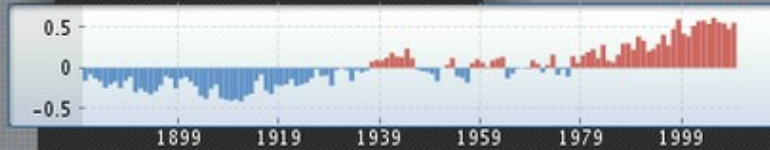
Adjust the sliders to view different time periods.

1880

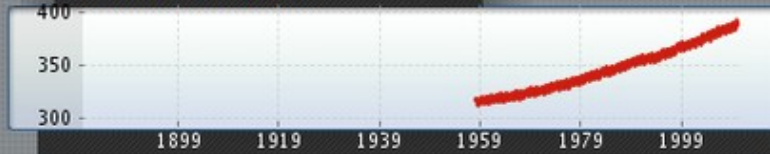
2010

Click any graph for more information.

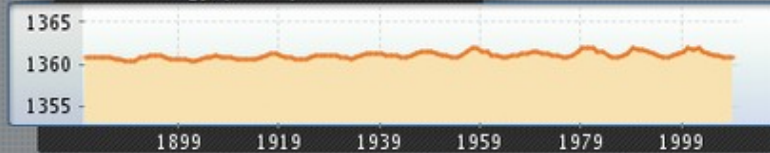
Temperature (C)



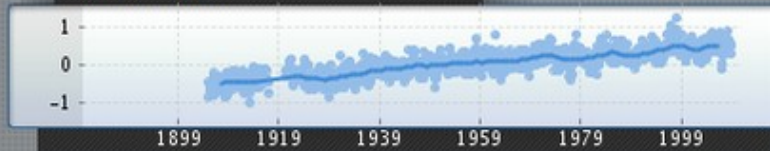
Carbon Dioxide (ppm)



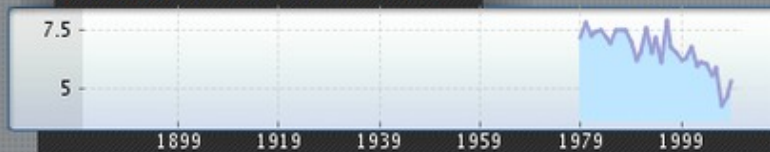
Sun's Energy (W/m²)



Sea Level (ft)

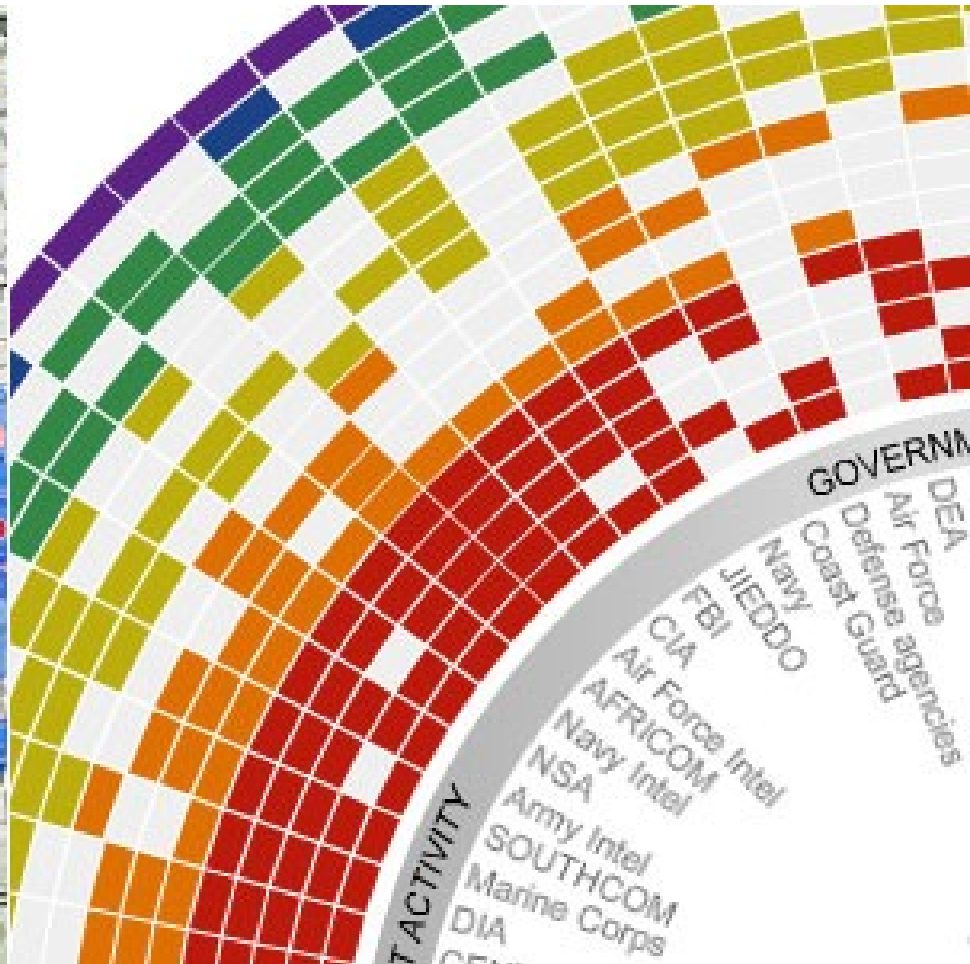
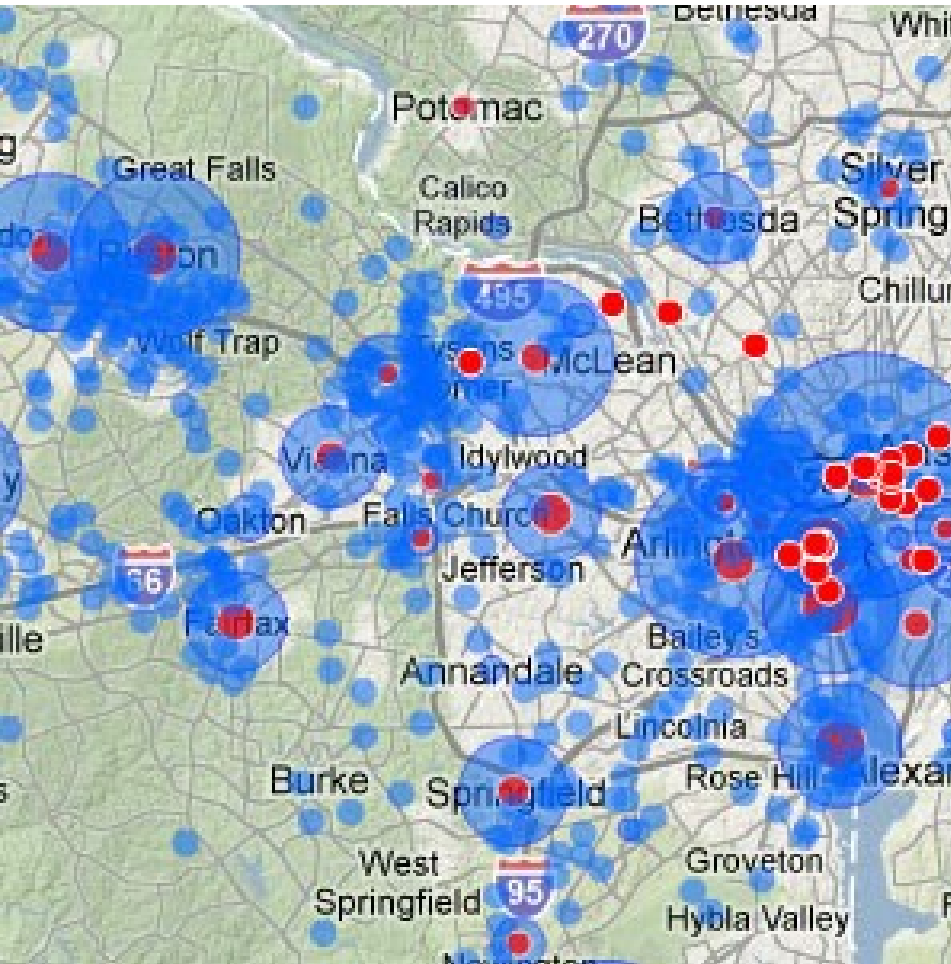


Arctic Sea Ice (annual min. in million km²)



Better
data-
driven
decisions

Provisioning Database Journalism



The future is mobile.

In 2010, 82% of Americans have a cellphone.

60% of American adults go online wirelessly.

Source: [Pew Internet](#)



Smarter commuting through data



Image Credit: [Real Time Rome from Senseable.MIT.edu](http://Senseable.MIT.edu)

Real Time Apps



Track My Transit - Boston

MBTA public transit application for webOS.

Made By : The CodingBees

Platform : Web OS (Palm)

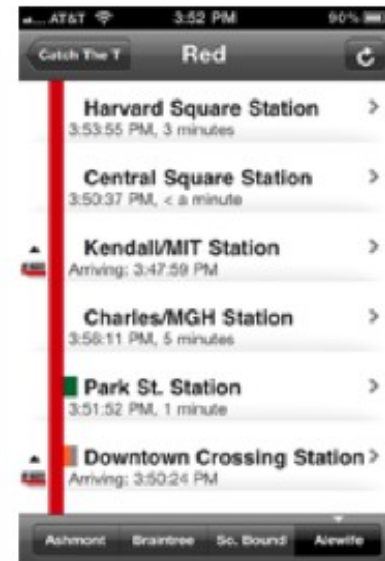


OpenMBTA for iPad

OpenMBTA for iPad is a free, open-source iPhone app for MBTA users in the Boston metro region. It delivers real-time bus and subway arrival information.

Made By : Daniel Choi, Eric Richmond

Platform : iOS (iPad)



Catch The T

CTT displays real time position data for the Orange, Red & Blue lines in an intuitive and easy to understand way. Don't wait for the train, know when it's going to be there.

Made By : Jared Egan

Platform : iOS (iPhone)

Welcome to CivicApps!

Making public data easy to find and easy to use.



The first annual CivicApps Challenge is now open! This unique innovation event recognizes and rewards the best ideas and apps from the community. Join this growing community of innovative thinkers! Help us identify and recognize the best ideas and apps in the region. Share your own ideas. Submit an app to make life easier for everyone. So get your thinking caps on, share your ideas, and show us what you've got.

BE HEARD. Tell us the ideas you would like to see realized. Comment and vote for ways to make public information more accessible and useful.

GET INVOLVED. Show us how to use, combine and represent the information government holds in more useful and interesting ways. Your ideas provide data and input for developers to better understand the local communities' needs and create apps that matter.

TURN IDEAS INTO REALITY. Apps are what make it happen. Your participation is what turns the vision for public data into reality. Submit ideas that unlock the potential of local data and you could win cool stuff.

TOP IDEAS from people just like you

most popular ideas right now

Accessible Trip...	
Augmented Portla...	
Portland API (PA...	
Urban Forest map	

ADD YOUR OWN IDEA

TOP APPS made with change in mind

most popular apps right now

Pdxtrian	
myTrimet.com	
pdx.py	
#pdxhash	

ADD YOUR OWN APP

FEATURED IDEA

Portland Poetry Boxes

Portland Poetry Boxes app will provide a regional mobile map of Poetry Box locations, and enable users to share and find Poetry Boxes, and plan their walks...

more

FEATURED APP

PDX Food Cart Finder

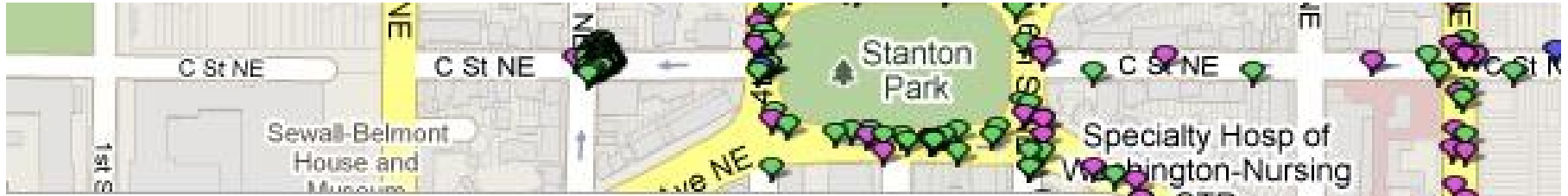
CartsPDX is a free iPhone application that lets users find food carts near their current location. If they wish to edit the details of a food cart (location...

more

MOST RECENT ACTIVITY

IDEA	Pilot data.oregon.gov
DATASET	Crime Incidents
DATASET	TriMet - Stop Location

Snowmageddon



Location: Pennsylvania Ave. and 2nd St. SE

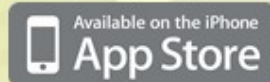


1 Feb 08 2010 11:21:03 GMT-0500 (Eastern Standard Time)





Now servicing
Washington DC



Are You Safe lets you know how safe you are at all times based on your current location within the city.

All it takes is a quick tap to see a threat meter of your safety level along with hyperlocal crime data broken down by type.

Features:

- Simple visual representation of your safety level on the Threat Meter
- Up to date crime data from police and local city/governments
- Dynamically updated recent crime data for your surrounding area
- Walk /drive /bike /bus /canoe around and see your status update as you go

Uses:

- Visiting and unfamiliar with the city?
- Debating whether to walk or take a cab?
- Headed to an area you haven't been to before?
- Not sure if you should park your car on the street?

All Cities:

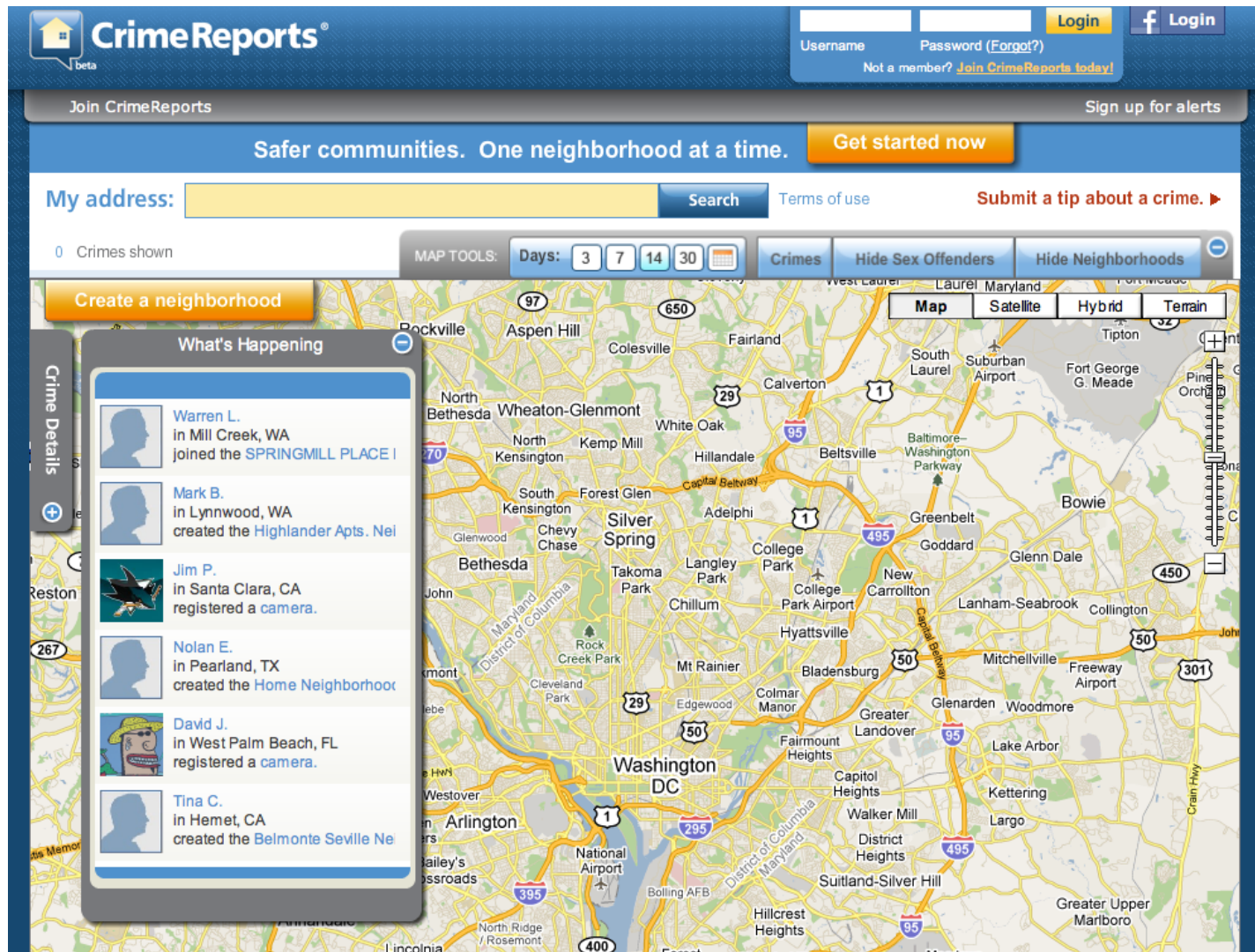
- [Atlanta](#) , [Washington D.C.](#) , [Sacramento](#) , [Indianapolis](#) , [Milwaukee](#) , [Chicago](#) , [San Francisco](#) , [Dallas](#) , [Hampton Roads \(VA Beach, Norfolk, Chesapeake, Newport News, Suffolk, Portsmouth\)](#), [Cincinnati](#)

Support:

- For new features and updates, [follow us on twitter](#)
- Drop us a line for [help](#), or [media inquiries](#)

Disclaimer: AreYouSafe uses actual crime statistics to derive safety ratings. This data is sourced from police departments and local/city governments. AreYouSafe makes no claims as to the accuracy or validity of this data. The application is for novelty purposes only. Decisions should not be made based on the information yielded by the AreYouSafe application. Decisions to move from/to a location are solely the responsibility of the user of the application. AreYouSafe may not be held liable for such decisions or the results of such actions.



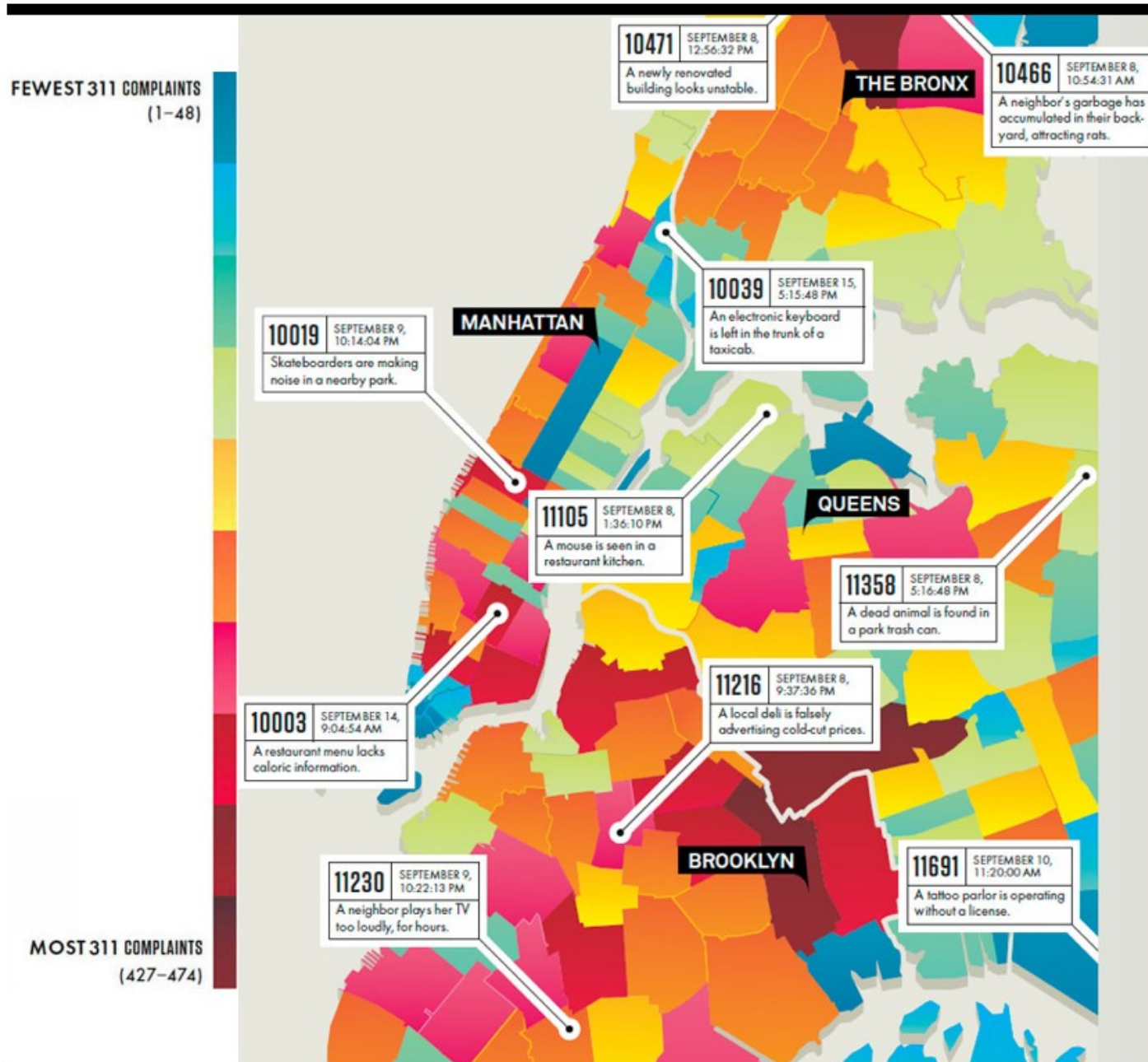


- Warren L.**
in Mill Creek, WA
joined the **SPRINGMILL PLACE I**
- Mark B.**
in Lynnwood, WA
created the **Highlander Apts. Nei**
- Jim P.**
in Santa Clara, CA
registered a **camera.**
- Nolan E.**
in Pearland, TX
created the **Home Neighborhoo**
- David J.**
in West Palm Beach, FL
registered a **camera.**
- Tina C.**
in Hemet, CA
created the **Belmonte Seville Ne**

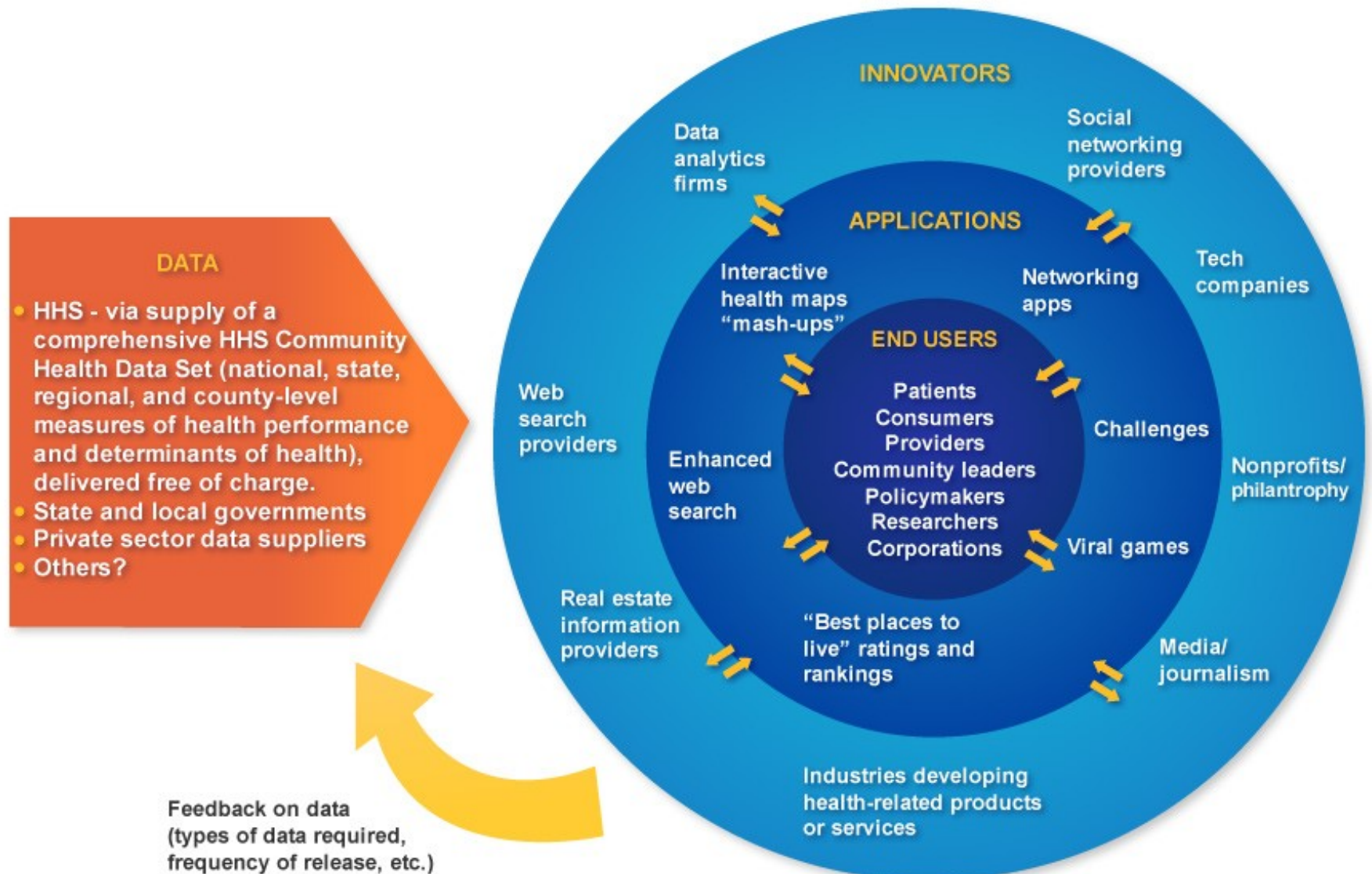
The CrimeReports.com citizen tips network has led to more than 122,000 arrests and more than 45,000 fugitives caught.

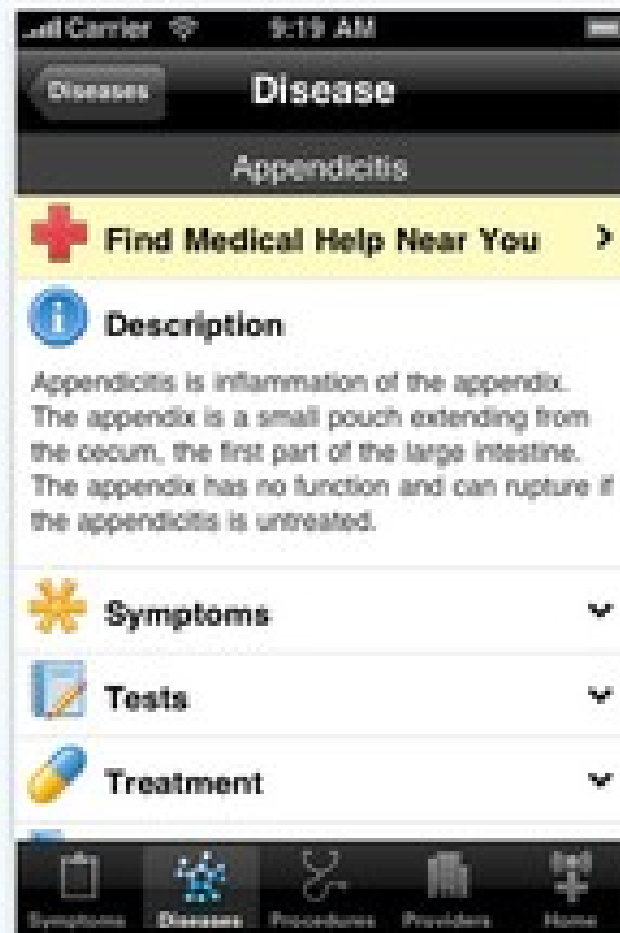
What's Your Problem?

Some New Yorkers are kvetchier than others. A breakdown by zip code for one week in September.



HHS Community Health Data





Digital tools for open government

Pad 7:54 AM 100%

Senate Menu Daily Newsclips (Beta) **Video Gallery** Search

- Senate Home
- Senate Calendar
- Senators >
- Find Your Senator
- District Map
- Open Legislation
- Committee Activity
- ★ Video Gallery
- Issues & Initiatives
- Senate Leadership
- Contact the Senate
-
- Official Senate Blog
- Daily Newsclips (Beta)
- About the Senate
- Frequently Asked Questi...

Senator Klein Celebrates Independence Day

Senator Eric Adams' Eco Festival - July 25, 2010

Labor, Industry, Environmentalists Join Senator Bill Perkins for a Healthy New York

Labor, Industry, Environmentalists Join Senator Bill Perkins for a Healthy New York

NYS Senate - Mark Ruffalo on Fracking - July 20, 2010

Senator Pedro Espada, Jr. Youth Against Violence Talent Show - Friday, July 16, 2010

Short Clips Full Sessions & Events

[NY Senate on iTunes](#)

Better apps to audit data

60 USB 3G 7:01 PM

Recovery.gov Accuracy: 5.0km Range: 1.5km

50 results found

0.7

**ROBERSON RAE OLSON
SUEBERKROP**
Amount: \$266142
Distance: 748m

View Favorites Layers Search

59 USB 3G 6:53 PM

Recovery.gov Accuracy: 5.0km Range: 1.5km

50 results found

0.6

NATIONAL ASSOCIATES, INC
Amount: \$156672
Distance: 644m

View Favorites Layers Search

Platforms for citizens to self-organize

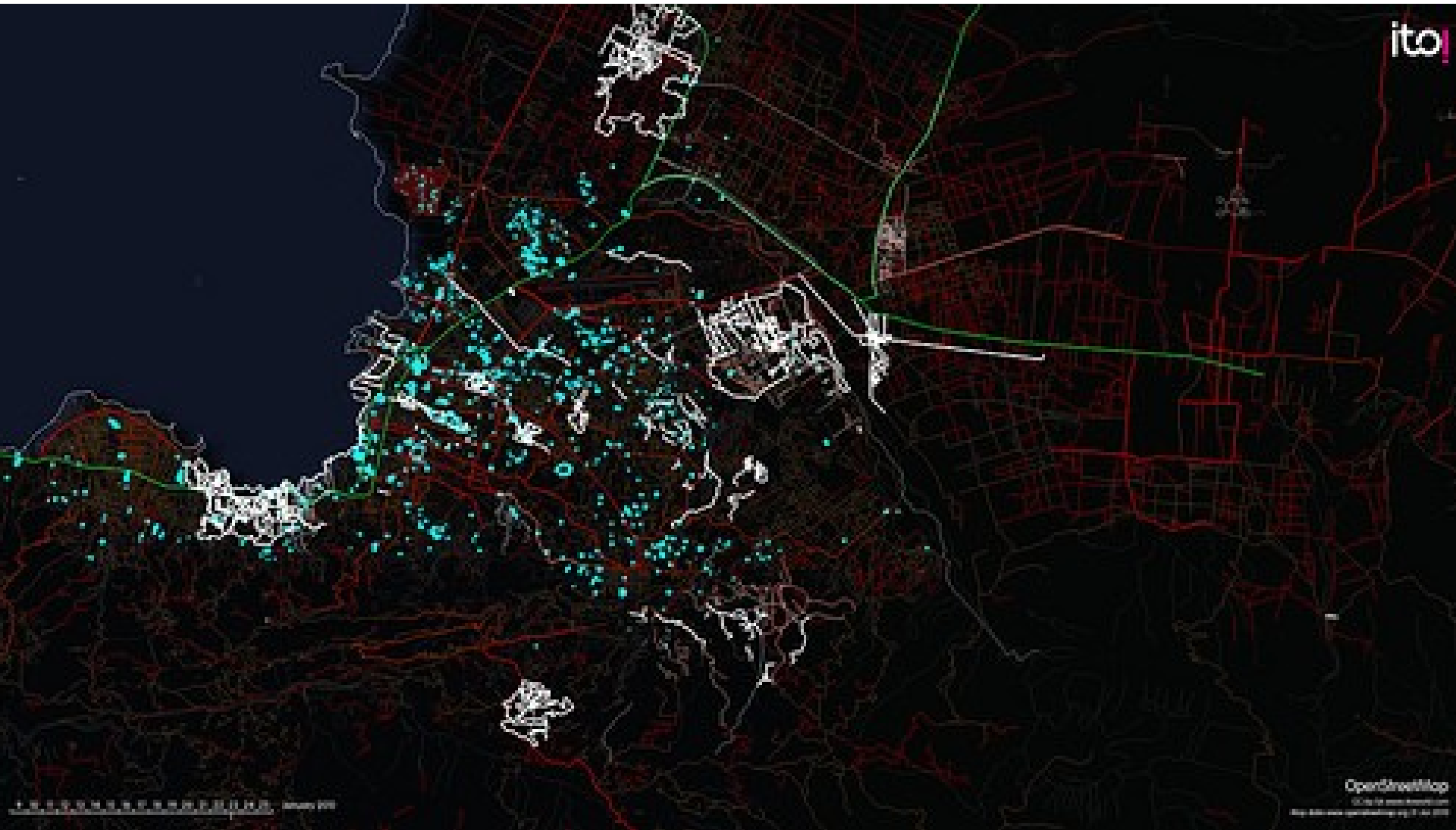


Image Credit: [ITO World](#)

More information

- [What is the value of open government data?](#) (Govloop)
- [What is data science?](#) (O'Reilly Radar)
- Me: alex@oreilly.com



Center for
Technology in Government

Assessing Public Value of Open Government Data Initiatives

Sharon Dawes

International Open Gov Data Conference

November 2010



Value for whom?



What kind of value?

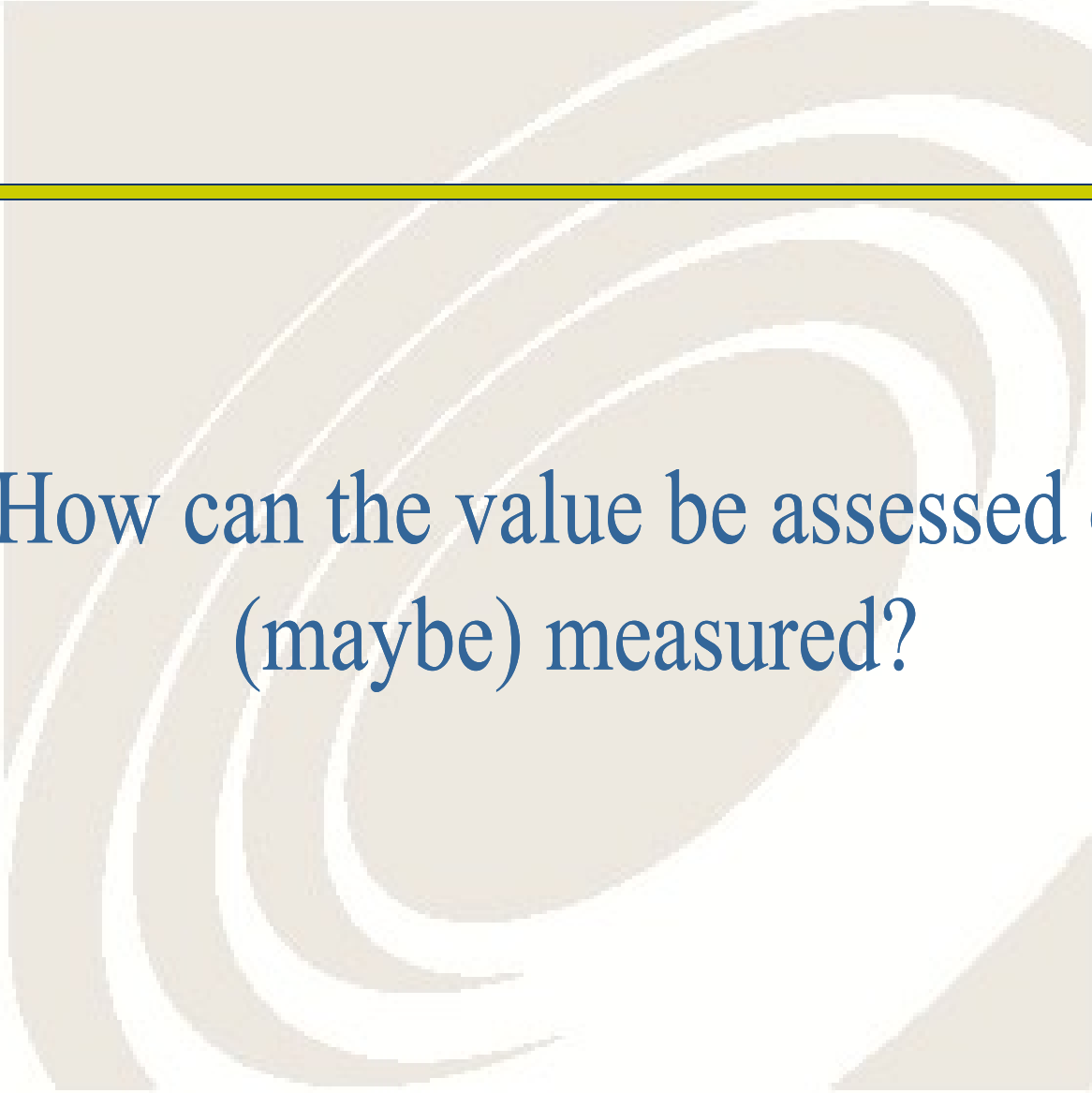


What will it take to offer that value?



What do beneficiaries need to be/have/do
to experience that value?





How can the value be assessed or
(maybe) measured?

Value for whom?

- Stakeholders
- Definition: anyone who affects, is affected by, or cares.
- Types:
 - External to the agency
 - Individuals, groups, organizations
 - Inside government
 - Outside government
 - Internal to the agency
 - Individuals, groups, organizational units

What kind of value?

- Public value (generic)
 - Financial: revenue, assets, costs, savings
 - Social: relationships, mobility, status, identity
 - Strategic: resources or opportunity for innovation
 - Political: influence on agendas, policies, decisions
 - Ideological: alignment with beliefs, values, commitments
 - Stewardship: effects on trust, integrity, legitimacy
- Mission value (agency-specific)

What will it take to offer that value?

- Human resources (numbers, skills & capabilities)
- Infrastructure (technical, physical, legal)
- Information content (in all forms)
- Tools (existing and new)
- “Fit” (with mission and organizational culture)

What do beneficiaries need to be/have/do to experience that value?

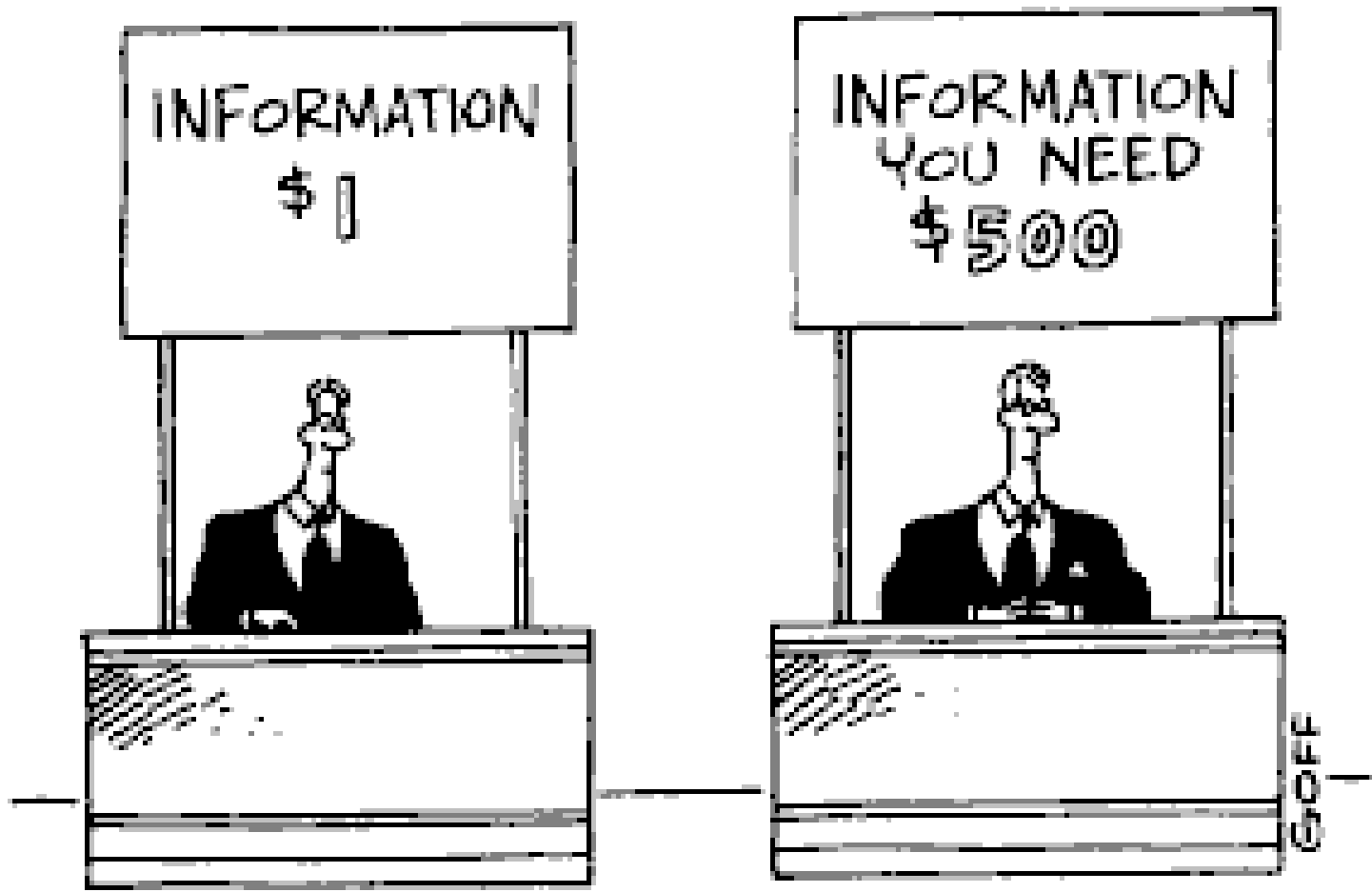
- What are the characteristics of the intended beneficiaries?
 - How well can you describe them?
 - How many are there?
 - Where are they?
 - What can they do, not do?
 - What do they care about, not care about?
 - What do they want, not want?

How can the value be assessed or (maybe) measured?

- Think in terms of a *portfolio* of efforts
- Associate each effort with specific stakeholder(s)
- Express intended value from the stakeholders' POV
 - How will you recognize it? Describe it? (Measure it?)
- Assess portfolio balance
 - Across stakeholder groups served
 - Across types of value offered
 - Across level of effort, cost, and risk
- Re-balance, reassess, repeat

Public value assessment . . .

- Takes a stakeholder view
- Makes use of the agency's mission and expertise
- Is much more than numbers and anecdotes
- Should identify what does and does not work
- Can answer “how,” “why” and “so what” questions
- Should generate cycles of learning and adaptation
- Requires its own resources



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www.ctg.albany.edu
info@ctg.albany.edu





OPEN GOVERNMENT DATA

Towards Adding Value and Measuring Success

Efficiency and Transparency X *Privacy and Security*

Jonas Rabinovitch

Senior Adviser

UN Public Administration Programme

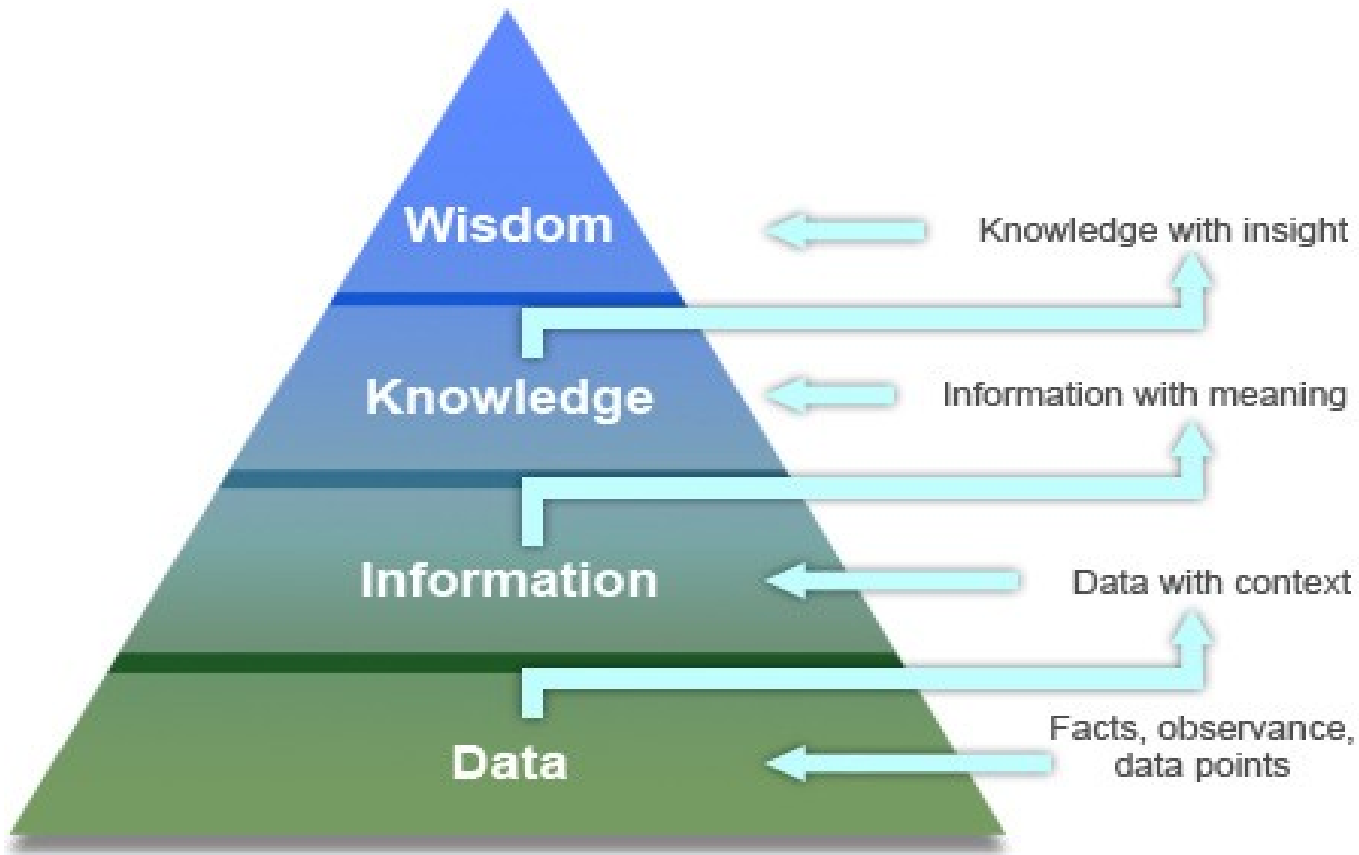




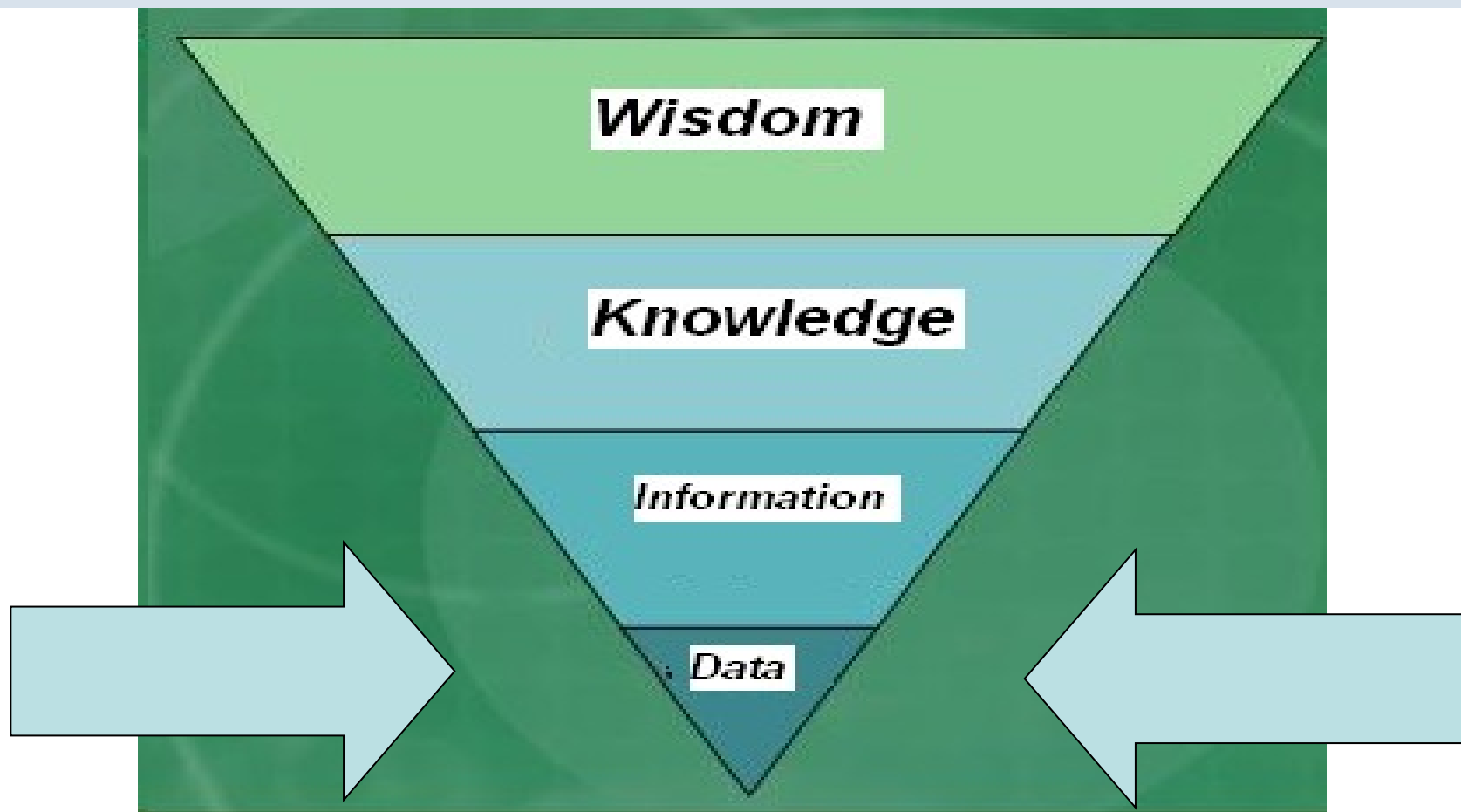
Knowledge Management is Big



What is Knowledge ?



Focus on Data





Contents

- 1. How the UN measures e-Government**
- 2. How Benchmarking Can Induce Change**
- 3. e-Gov. Strategies from e-Government to e-Governance. E-infra, E-literacy, E-Service, E-Information, E-Consultation, E-Decision-Making.**
- 4. United Nations Public Administration Country Studies: Towards a Global Network of CIOs and other tools**



Rationale

- 1. Demonstrate how the movement from e-Government to e-Governance calls for data openness**
- 2. Illustrate the methodologies, indicators and tools used by the UN to rank, document lessons and develop capacities for e-Government strategic development**
- 3. Examples of UN's products and trends responding to country demand**



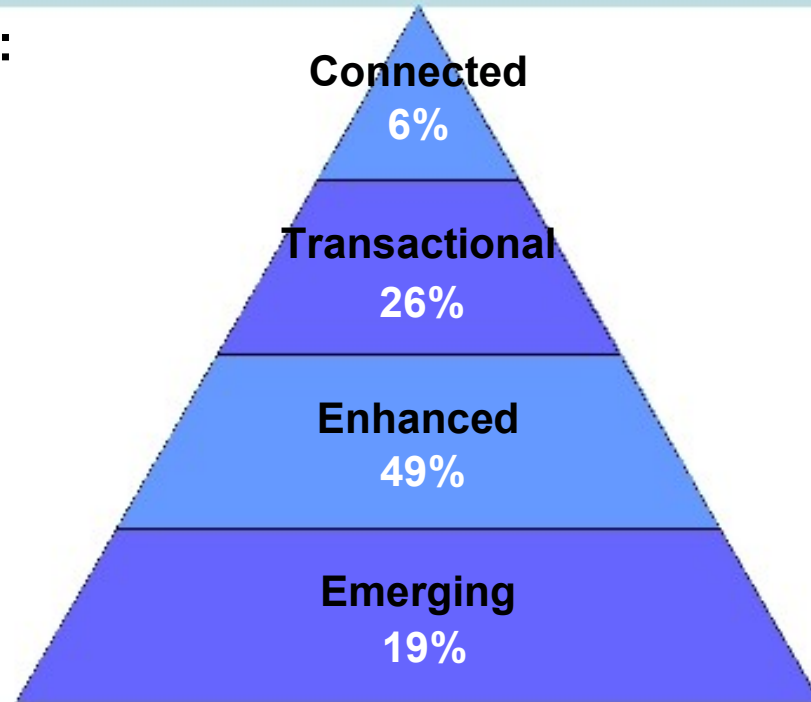
United Nations E-Government Surveys 2001-2010





United Nations e-government Survey 2010

**Out of 192 Member States:
98% countries provide
public services online**



United Nations E-Government Survey 2010

Top 20

Rank	Country	<u>E-Government Development Index</u>
1	Republic of Korea	0.8785
2	United States	0.8510
3	Canada	0.8448
4	UK and Northern Ireland	0.8147
5	Netherlands	0.8097
6	Norway	0.8020
7	Denmark	0.7872
8	Australia	0.7863
9	Spain	0.7516
10	France	0.7510
11	Singapore	0.7476
12	Sweden	0.7474
13	Bahrain	0.7363
14	New Zealand	0.7311
15	Germany	0.7309
16	Belgium	0.7225
17	Japan	0.7152
18	Switzerland	0.7136
19	Finland	0.6967
20	Estonia	0.6965

Rank	Country	<u>E-Governance (E-Participation) Index</u>
1	Republic of Korea	1.0000
2	Australia	0.9143
3	Spain	0.8286
4	New Zealand	0.7714
5	UK and Northern Ireland	0.7714
6	Japan	0.7571
7	United States	0.7571
8	Canada	0.7286
9	Estonia	0.6857
10	Singapore	0.6857
11	Bahrain	0.6714
12	Malaysia	0.6571
13	Denmark	0.6429
14	Germany	0.6143
15	France	0.6000
16	Netherlands	0.6000
17	Belgium	0.5857
18	Kazakhstan	0.5571
19	Lithuania	0.5286
20	Slovenia	0.5143

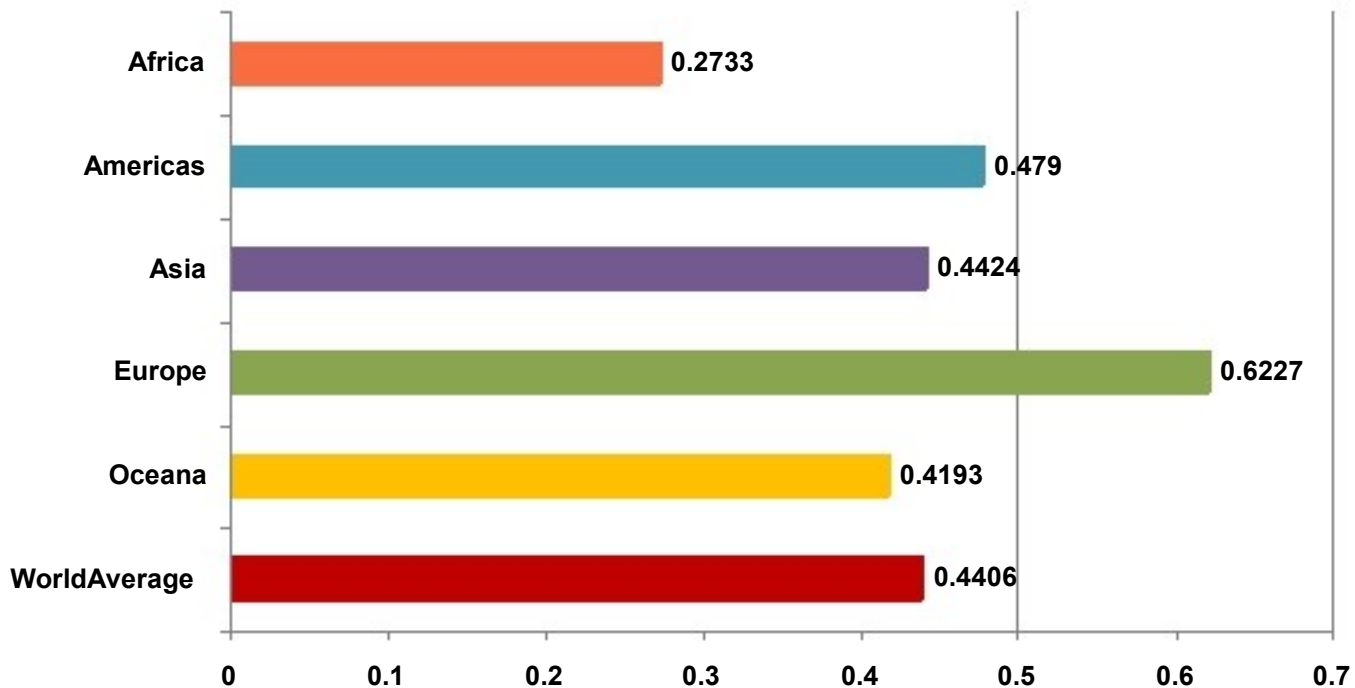


Indicators UN e-Gov. Survey

- 1. Social Capital - UNESCO index**
- 2. Infrastructure - ITU index: broadband, internet, cell phones, PCs and phone lines**
- 3. Web presence (objective questionnaire on 100 + features of official gov. websites)**



E-Government Development by Region



United Nations E-Government Survey



Transformational Government ↔
Citizen-centric public service delivery



E-Governance

e-Decision-making

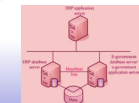
e-Consultation

e-Information

e-Service


e-Literacy

e-Infrastructure



E-Government

e-Strategies

 Transformational Government
↔ Citizen-centric public service delivery



e-Service



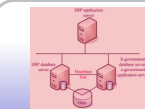
e-Decision-making

e-Literacy

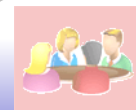
e-Consultation

e-Infrastructure

e-Information



E-Government



E-Governance

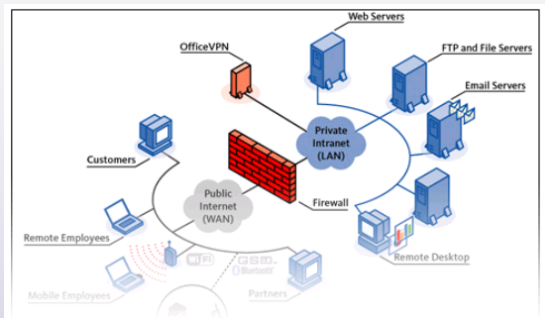


Supply-side



Supply-side Strategies e-Infrastructure & e-Information

e-Infrastructure



1. Internet usage/access
2. Diffusion of personal computers
3. Main telephone lines
4. Mobile phone usage/access
5. Fixed broadband subscribers

e-Information



1. E-participation policies or information
2. Information re. inclusiveness in e-gov
3. Citizen charters/service agreements
4. Info on employment opportunities



Supply-side Strategies

Top 40 countries in e-Infrastructure: global rankings

Rank	Country	Index value
1	Switzerland	0.7687
2	Netherlands	0.7666
3	Sweden	0.7522
4	United Kingdom	0.7164
5	Luxembourg	0.7138
6	Denmark	0.6988
7	Monaco	0.6961
8	Germany	0.6955
9	Norway	0.6830
10	Canada	0.6799
11	United States	0.6449
12	Iceland	0.6395
13	Republic of Korea	0.6390
14	Singapore	0.6386
15	Estonia	0.6273
16	Finland	0.6240
17	Australia	0.6011
18	France	0.5954
19	Bahrain	0.5855
20	Ireland	0.5739

Rank	Country	Index value
21	Austria	59.37
22	Belgium	66.53
23	New Zealand	69.76
24	Barbados	73.86
25	United Arab Emirates	65.15
26	Liechtenstein	65.08
27	San Marino	51.37
28	Japan	69.16
29	Antigua and Barbuda	75.03
30	Spain	56.70
31	Slovenia	49.24
32	Italy	48.85
33	Malta	49.14
34	Andorra	70.04
35	Lithuania	53.50
36	Hungary	54.93
37	Israel	28.85
38	Cyprus	38.04
39	Saint Kitts and Nevis	29.75
40	Czech Republic	48.61



Supply-side Strategies

Top 40 countries in e-Infrastructure: global rankings

Internet users per 100 inhabitants

Developed Countries

58

Developing Countries

(other than LDCs)

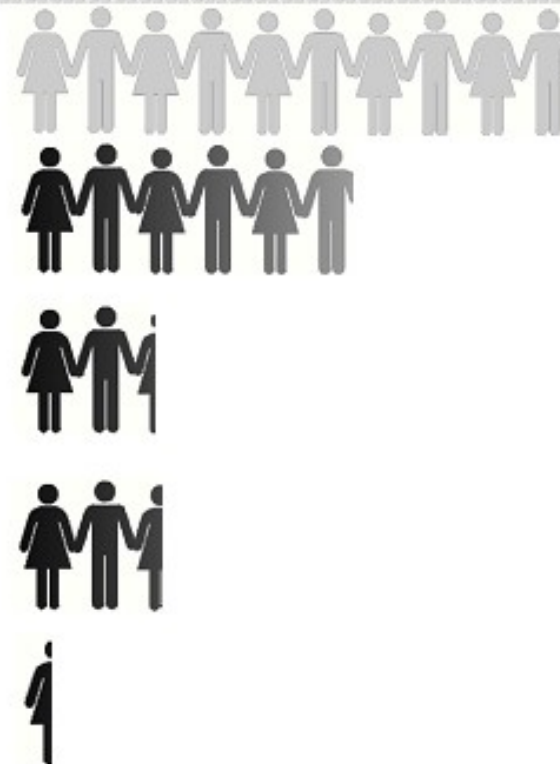
23

Small Island Developing States

25

Least Developed Countries

4



Source: ITU, UN E-Government Survey 2010



Demand-driven



Demand-driven Strategies

e-Literacy & e-Consultation

e-Literacy



1. Adult literacy rates
2. Human capital development

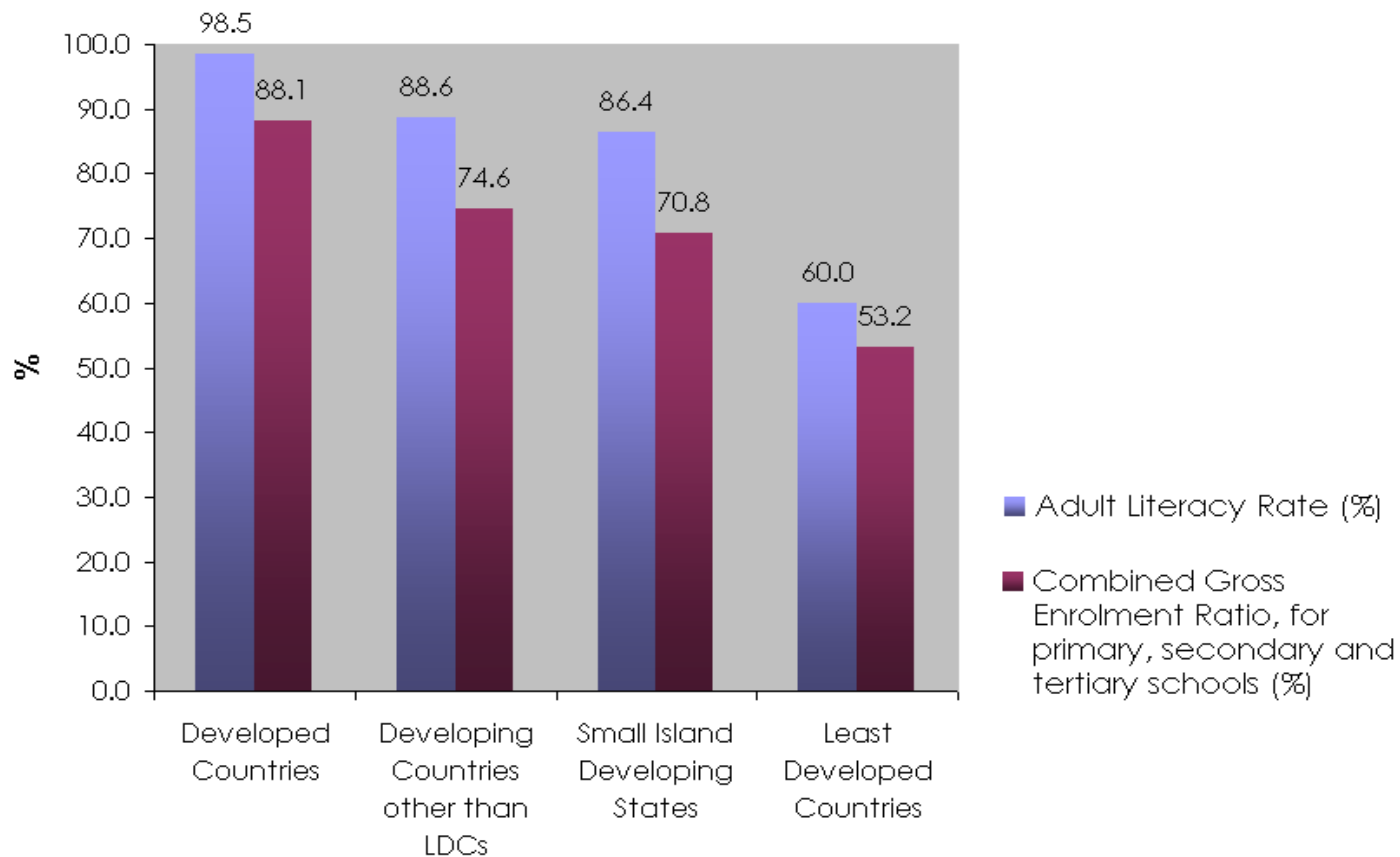
e-Consultation



1. Public consultation blogs
2. Online surveys and polls
3. Chat rooms and instant messaging
4. Web logs, list servers and newsgroups
5. Feedback forms



Demand-driven Strategies e-Literacy & e-Consultation



Source: UN E-Government Survey 2010

<http://www.UNPAN.org/DPADM/>



Demand-driven Strategies e-Literacy & e-Consultation

Interactive tools used by governments

Payment type	Number of countries	Percent
Online polls	30	16
Online surveys or feedback forms	55	29
Chat rooms or instant messaging	11	6
Web logs	20	10
List services or newsgroups	16	8
Other interactive tools	33	17



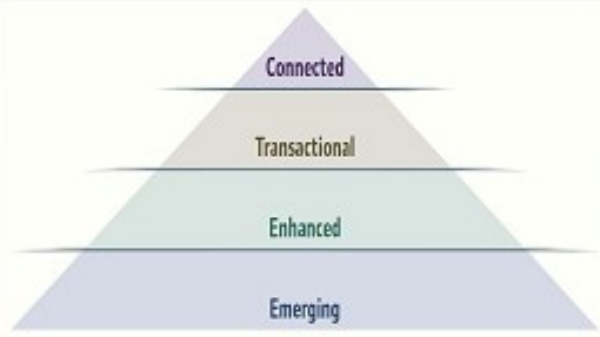
Integrated-Interaction



Integrated-Interaction e-Strategies

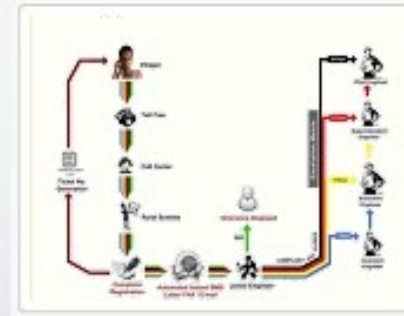
e-Service & e-Decision-making

e -Service



1. Four stages of development
2. Use of multimedia technology to interact with citizens
3. Citizens are consulted regularly on improving public policy and public service delivery matters

e -Decision-making



1. Online discussion forums
2. Archives of past discussions
3. Online petitions
4. Officials' responsiveness to queries/comments and their incorporation of such feedback
5. Official's invitation for suggestions and comments



Integrated-Interaction Strategies e-Service & e-Decision-making

Top 20 countries in e-service development: global rankings

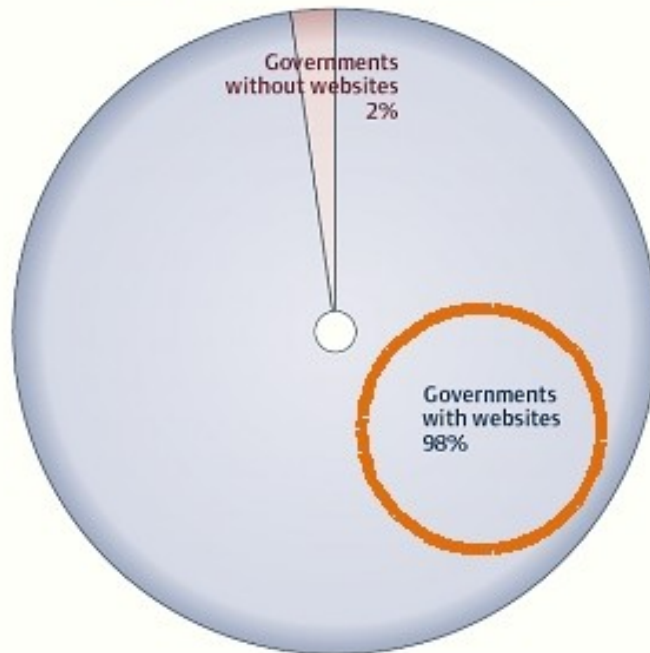
Rank	Country	Online service index value
1	Republic of Korea	1.0000
2	United States	0.9365
3	Canada	0.8825
4	United Kingdom	0.7746
5	Australia	0.7651
6	Spain	0.7651
7	Norway	0.7365
8	Bahrain	0.7302
9	Colombia	0.7111
10	Singapore	0.6857

Rank	Country	Online service index value
11	France	0.6825
12	Netherlands	0.6794
13	Denmark	0.6730
14	Japan	0.6730
15	New Zealand	0.6381
16	Malaysia	0.6317
17	Belgium	0.6254
18	Chile	0.6095
19	Israel	0.5841
20	Mongolia	0.5556

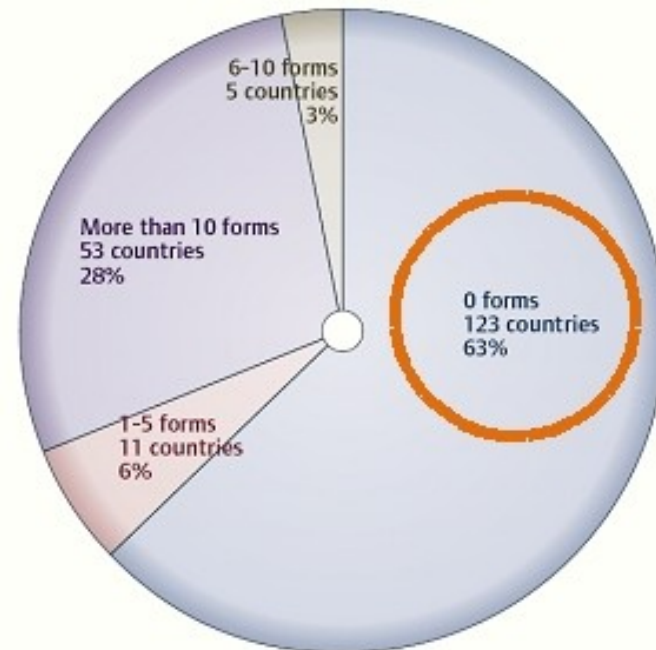


Integrated-Interaction Strategies e-Service & e-Decision-making

Nearly all governments have websites



Availability of static online forms





Integrated-Interaction Strategies e-Service & e-Decision-making

Online submissions

Feature	Number of countries	Percent
Online forms	53	28
Online transactions	60	32
Application for government benefits	32	17
Acknowledgement of receipt	19	10

Online payment

Payment type	Number of countries	Percent
Taxes	34	18
Registrations	36	19
Permits, certificates, identification cards	33	17
Fines	22	11
Utilities	18	9

Site maps and linkages from national portals

Feature	Number of countries	Percent
Site map is available	102	53
Links between national home pages and ministries/departments	143	74
Links between national home page and public sector services	129	67



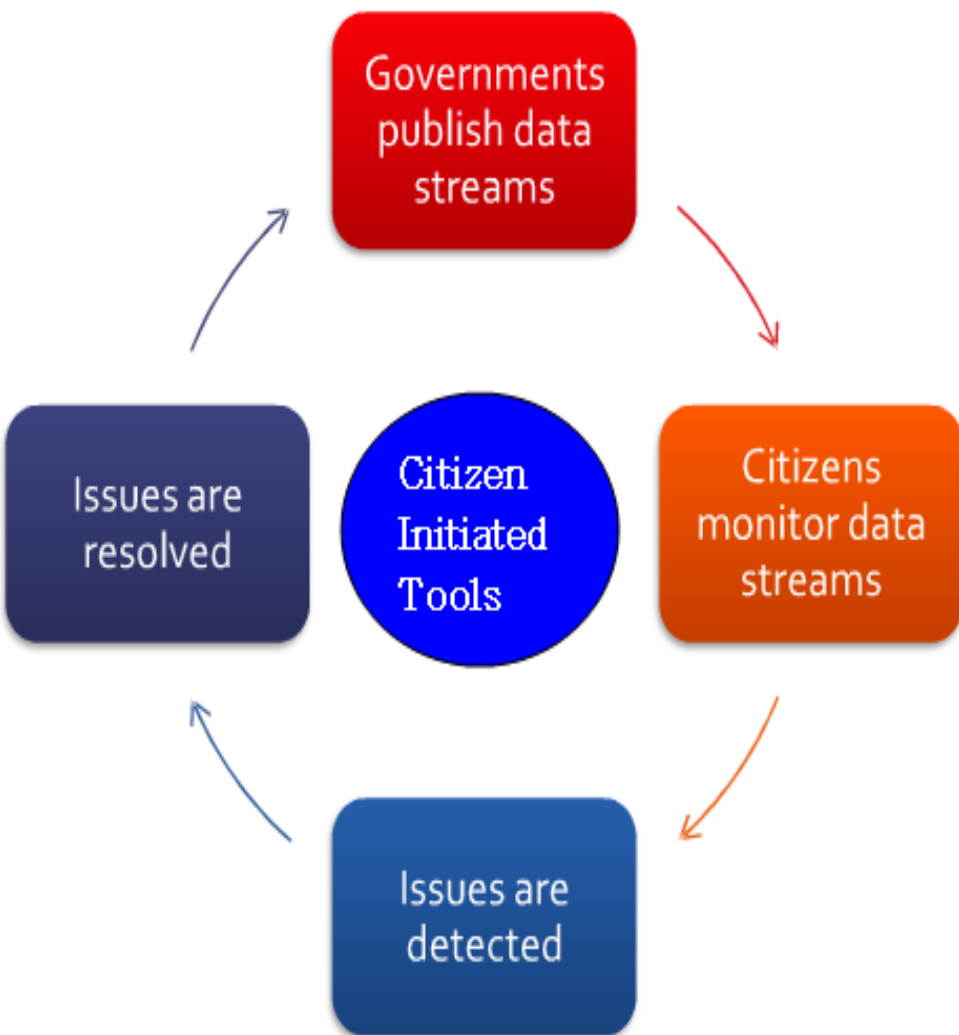
Areas of Focus UN E-Gov Survey 2012

- ✓ Emphasis on quantity/quality of **Services** provided (NOT number of ministry websites) – **INTEGRATION**
- ✓ *Observation of Open Data Trends* - **TRANSPARENCY**
- ✓ More attention on Service **Usage** - **USER TAKE-UP**
- ✓ More weight to **E-Infrastructure** in E-Readiness - **DIGITAL DIVIDE**
- ✓ Higher marks for e-services or e-inclusion of **Vulnerable Groups** - **EQUITABLE DEVELOPMENT**
- ✓ Higher marks for connected **Mobile Internet Services** – **M-GOVERNMENT**
- ✓ New area of assessment on **Environmental Issues** - **E-/M-INFORMATION ON ENVIRONMENT**

Data: Access, Privacy and Security



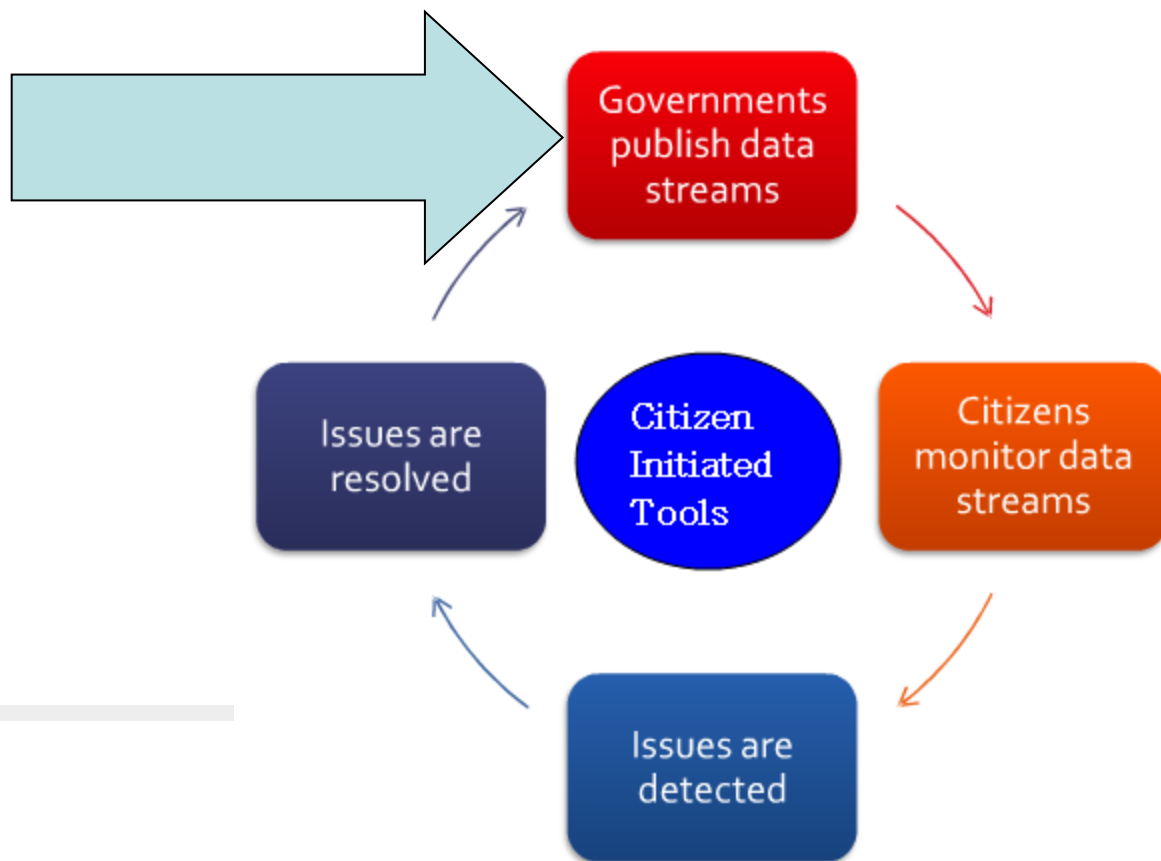
How is it useful?



- Governments publish data streams
- Citizens create tools for analysis and oversight
- Citizens collaboratively monitor their government
- Citizens detect issues and give feedback
- Issues are resolved

LEADERSHIP

- Someone needs to PUSH for open data
- How? Directives, acts, laws, regulations





An example of PUSH : USA - Open Government Initiative

the WHITE HOUSE PRESIDENT BARACK OBAMA

★★★★★ THE WHITE HOUSE WASHINGTON ★★★★★

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Open Government Initiative

TRANSPARENCY + PARTICIPATION + COLLABORATION

OPEN GOV

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My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

— PRESIDENT OBAMA, 01/21/09



Welcome

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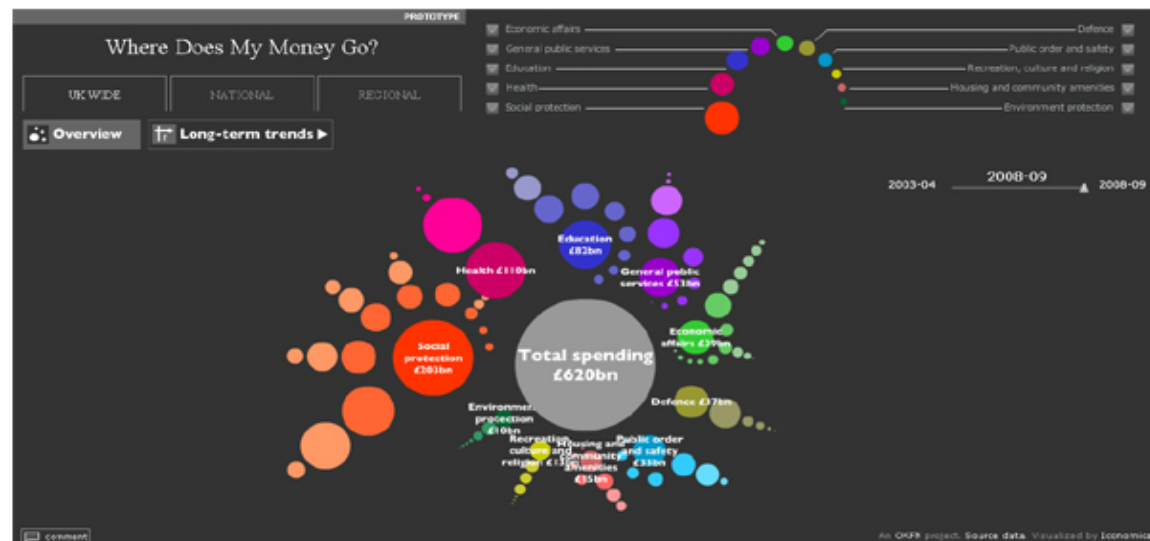
Where Does My Money Go?

Analysing and visualising UK public spending

Our aim is to promote transparency and citizen engagement through the analysis and visualisation of information about UK public spending.

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Risks: Privacy and Security

Open Data promotes increased civil discourse, public welfare and a more efficient use of public resources.

but...

It raises privacy and security concerns that may legally prevent certain data sets from being shared with the public



How Do Govs. Respond?

- **Data Protection Act**
- **Privacy and Security Laws**
- **Advocacy**
 - Data Privacy Day
- **Raising Awareness**
 - News <http://www.privacy.ohio.gov/>
 - Resources:
<http://www.privacy.ohio.gov/resources>





Research and Timeframe

- **Legal and Regulatory Framework – 2009**
 - Legislation on Open Government Data including but not limited to Freedom of Information Acts
 - Legislation on Privacy and Security including but not limited to Data Protection Acts
- **Other resources – 2010**
 - Government sites with Open Data
 - Citizen initiated sites that utilize Gov't Data
 - Policy, Strategies & Technologies for Opening Gov't Data
 - Policy, Strategies & Technologies for implementing Privacy and Security in Government

PAKS

Public Administration Knowledge Space

- PAKS – Public Administration Knowledge Space in support of the implementation of the international agreed development agenda, including the Millennium Development Goals (MDGs)
- UN Department of Economic and Social Affairs
- Division for Public Administration and Development Management

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Asia

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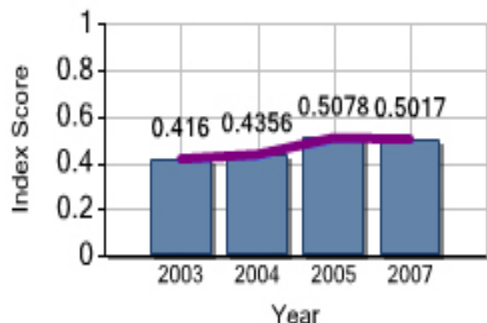
KNOWLEDGE MANAGEMENT IN GOVT

E-M/GOVERNMENT

HUMAN RESOURCE MANAGEMENT

CITIZENS ENGAGEMENT

Country E-Readiness Index Trend



Country At-a-Glance

Website <http://www.gov.cn>

Region [Asia](#)

Sub-region [Eastern Asia](#)

Income * Lower middle income

Population 1,242.61 million

E-Readiness Rank 65 out of 183

E-Readiness Index

China

0.502

World Average

0.454



Next Steps

- **Raise awareness of UN Member States on the importance of “open government data, privacy and security”**
- **Guide them in developing legal frameworks (laws, regulations, acts etc)**
- **Assist in developing open data strategies**
- **Advise on the technologies for opening the data**
- **Share best practices from leading countries**



Thank you

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rabinovitch@un.org