

## **Data.gov: Answering the Demand for Open Government Data**

### **ABSTRACT**

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Abstract Not Available

### **BIOGRAPHY**

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Federal Bureau of Investigation



**DATA.GOV**


**Answering the Demand  
for Open Government  
Data**

*“Build to Share”*

15 July 2010


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**U.S. Federal Data Architecture Subcommittee  
(DAS)**




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## Agenda



- The Open and Transparent Government Directive
- Features of Data.gov
- What Others are Doing
- What the Public is saying
- What's Next
- Summary



the WHITE HOUSE PRESIDENT BARACK OBAMA

the BRIEFING ROOM the AGENDA the ADMINISTRATION

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

SUBJECT: Transparency and Open Government

*Government should be transparent.* Transparency promotes accountability and provides information for citizens about what their Government is doing. Information maintained by the Federal Government is a national asset. My Administration will take appropriate action, consistent with law and policy, to disclose information rapidly in forms that the public can readily find and use. Executive departments and agencies should harness new technologies to put information about their operations and decisions online and readily available to the public. Executive departments and agencies should also solicit public feedback to identify information of greatest use to the public.

**“Information maintained by the Federal Government is a national asset.”**  
*President Obama January 21, 2009*



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## President Obama's Open Government Initiative



*A government that is:*


- **Transparent**
  - Promote accountability
  - Provide information for citizens on what their government is doing
- **Participatory**
  - Agencies encouraged to provide citizens opportunities to participate in policy making
  - Agencies encouraged to solicit ideas from citizens how to improve those opportunities
- **Collaborative**
  - Use innovative tools to enable collaboration across and at all levels of government






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## The Issues




- There are over 24,000 .gov web sites – difficult to navigate
- Web sites organized under the federal structure – difficult to find datasets
- Data exists in portals – are not “raw” machine downloadable or data locked in legacy systems
- Web sites not designed for new generation of web technologies



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## The Data.gov Solution: Putting the Pieces Together



- Data.gov is a beginning; a step forward on the path to build a more transparent government.
- Goal is to break down stovepipes to increase access to data
- Instant access: Data only one click away
- Data.gov gives researchers, stakeholders, business and the public the data they have already paid for, so they can reuse it for their own purpose.
- The amount of data is growing and the site will continue to develop over time.
  - May 21, 2009 launch: 47 datasets, 27 tools
  - Currently: **1572** datasets, **486** tools




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## Authority Behind Data.gov




- **Data.gov is a Federal Inter-Agency open government initiative that was chartered by the Federal CIO and is operated by GSA.**
- **DOI CIO and EPA CIO are the senior executive co-leads.**

(<http://www.data.gov/faq>)




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## Current Scope of Data.gov



- **Datasets that:**
  - Are already in or ready for public domain
  - Are high value
  - Are hosted by the Executive Branch of the Federal Government
    - No Legislative or Judicial Branch datasets
    - No direct links to State, Local, or Tribal datasets
    - No non-governmental datasets
  - Do not have copyright limitations
  - Do not impose charges for access
  - Do not require registration to access


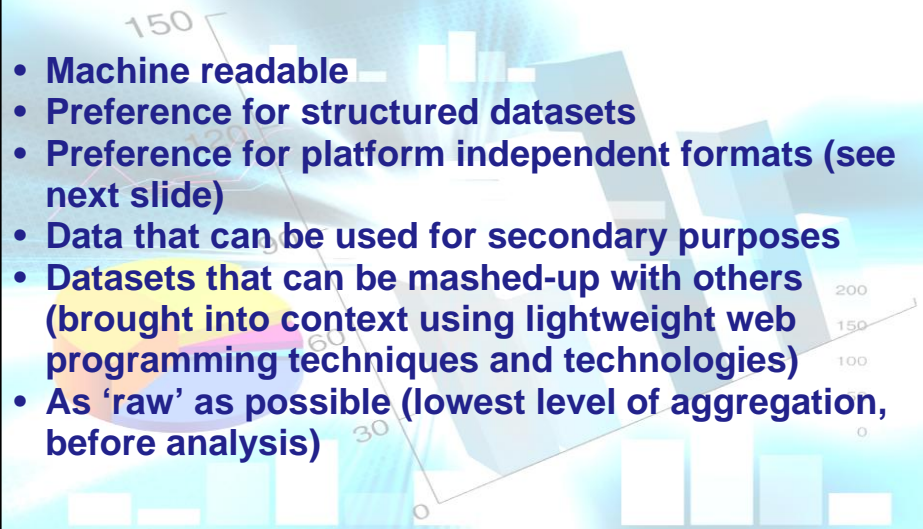


## What is meant by 'raw' data




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- Machine readable
- Preference for structured datasets
- Preference for platform independent formats (see next slide)
- Data that can be used for secondary purposes
- Datasets that can be mashed-up with others (brought into context using lightweight web programming techniques and technologies)
- As 'raw' as possible (lowest level of aggregation, before analysis)



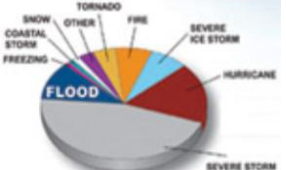


## What is Meant by High Value Datasets



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Datasets that can be used to:

- increase agency accountability and responsiveness;
- improve public knowledge of the agency and its operations;
- further the core mission of the agency;
- create economic opportunity; or
- respond to need and demand as identified through public consultation




Veterans Affairs Hospital Report Card

MyFood-pedia MyPyramid Food Data


FEMA Disaster and Emergency Declarations




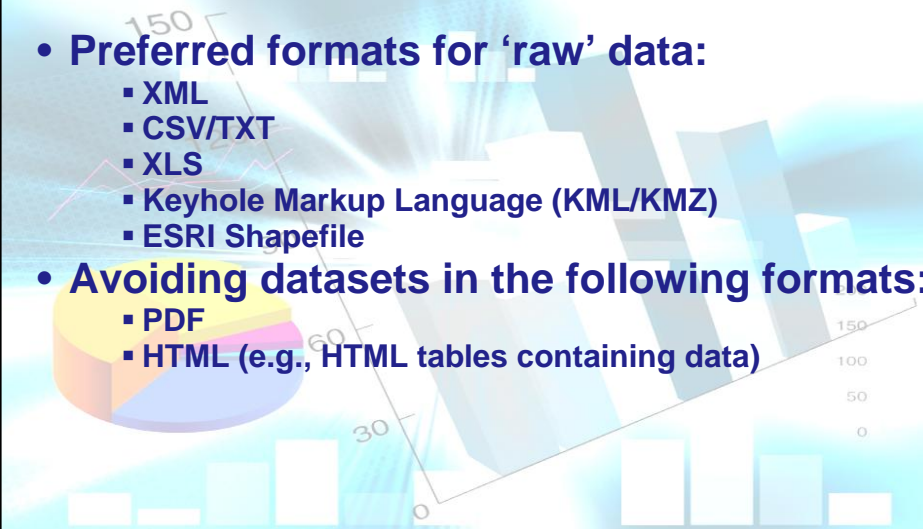


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## Preferred Formats for Raw Data




- Preferred formats for 'raw' data:
  - XML
  - CSV/TXT
  - XLS
  - Keyhole Markup Language (KML/KMZ)
  - ESRI Shapefile
- Avoiding datasets in the following formats:
  - PDF
  - HTML (e.g., HTML tables containing data)

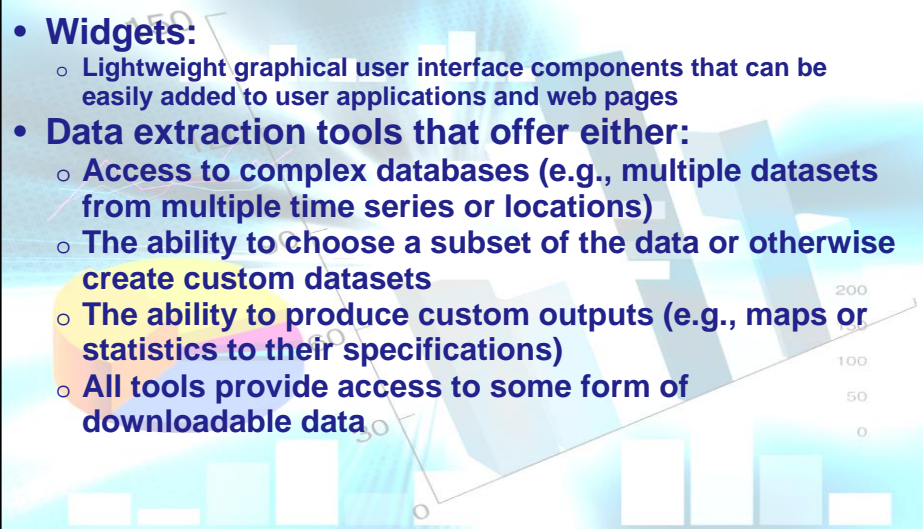



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## Current Scope of Tools Catalog




- Widgets:
  - Lightweight graphical user interface components that can be easily added to user applications and web pages
- Data extraction tools that offer either:
  - Access to complex databases (e.g., multiple datasets from multiple time series or locations)
  - The ability to choose a subset of the data or otherwise create custom datasets
  - The ability to produce custom outputs (e.g., maps or statistics to their specifications)
  - All tools provide access to some form of downloadable data



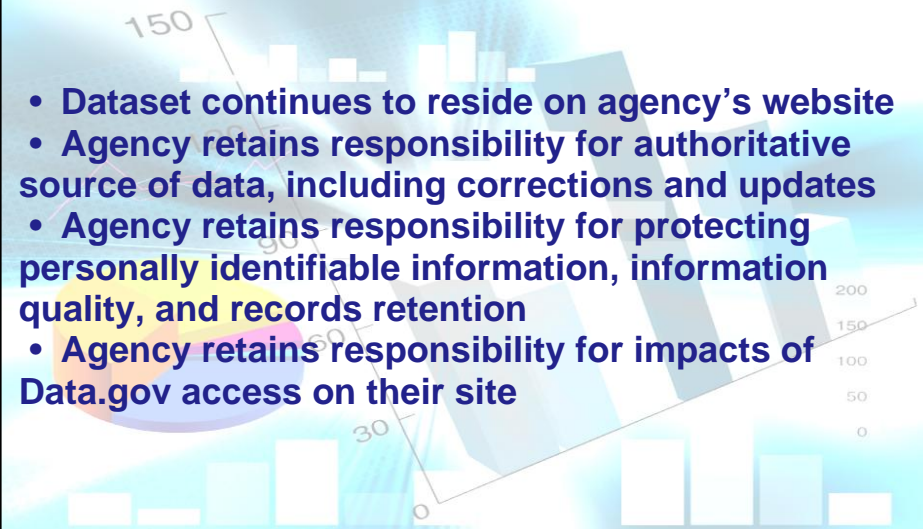


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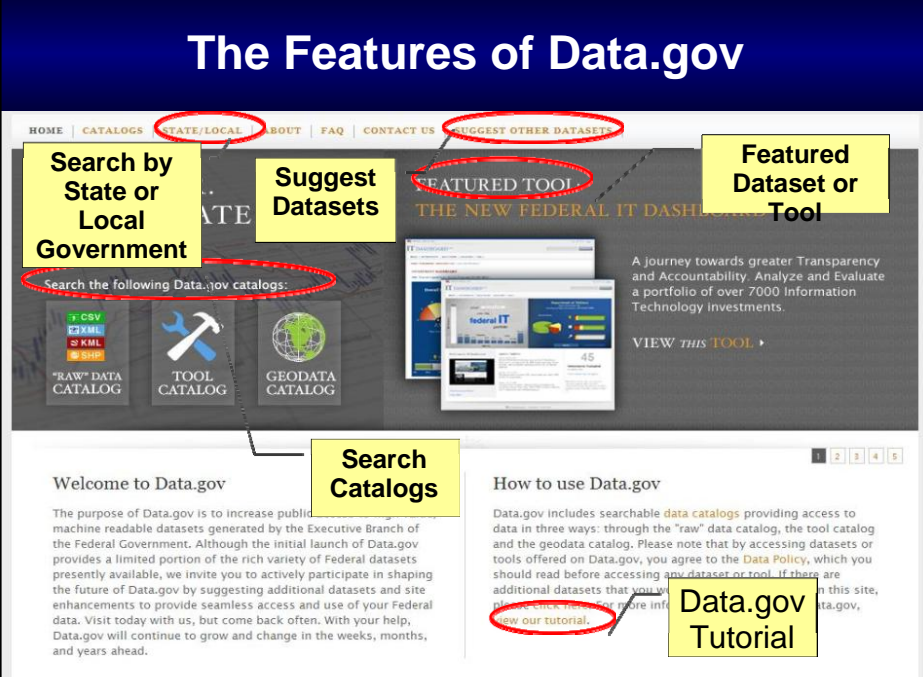
## Agency retains responsibility for Dataset



- Dataset continues to reside on agency's website
- Agency retains responsibility for authoritative source of data, including corrections and updates
- Agency retains responsibility for protecting personally identifiable information, information quality, and records retention
- Agency retains responsibility for impacts of Data.gov access on their site



## The Features of Data.gov



HOME | CATALOGS | STATE/LOCAL | ABOUT | FAQ | CONTACT US | SUGGEST OTHER DATASETS

**Search by State or Local Government**

**Suggest Datasets**

**Featured Dataset or Tool**

**Search Catalogs**

**Data.gov Tutorial**

Search the following Data.gov catalogs:

- RAW DATA CATALOG
- TOOL CATALOG
- GEODATA CATALOG

How to use Data.gov

View our tutorial



## Easily Downloadable Data: A Click Away

2007 Toxics Release Inventory National data file of all US States and Territories

**Machine readable formats**

- 
- 
- 
- 
- 
-

**Download data here**

Feeds > XML >

CSV/TXT > XLS >

**CSV**

**Dataset Summary**

Agency: Environmental Protection Agency

Category: Geography and Environment

Date Released: 3/19/2009

Date Updated: 6/10/2009

Time Period: Calendar Year 2007

Frequency: Annual

Description: The Toxics Release Inventory (TRI) is a public-law requirement for certain industries as well as federal facilities.

FORM TYPE	REPORTING YEAR	TRADE SECRET INDICATOR	SANITIZED INDICATOR	TITLE OF CERTIFYING OFFICIAL	NAME OF CERTIFYING OFFICIAL
7	2007	NO	NO	DIOXIN DISTRIBUTION 9	DIOXIN DISTRIBUTION 11
8	2007	NO	NO	DIOXIN DISTRIBUTION 10	DIOXIN DISTRIBUTION 11
9	2007	NO	NO	DIOXIN DISTRIBUTION 11	DIOXIN DISTRIBUTION 11
10	2007	NO	NO	DIOXIN DISTRIBUTION 12	DIOXIN DISTRIBUTION 11
11	2007	NO	NO	DIOXIN DISTRIBUTION 13	DIOXIN DISTRIBUTION 11
12	2007	NO	NO	DIOXIN DISTRIBUTION 14	DIOXIN DISTRIBUTION 11
13	2007	NO	NO	DIOXIN DISTRIBUTION 15	DIOXIN DISTRIBUTION 11
14	2007	NO	NO	DIOXIN DISTRIBUTION 16	DIOXIN DISTRIBUTION 11
15	2007	NO	NO	DIOXIN DISTRIBUTION 17	DIOXIN DISTRIBUTION 11
16	2007	NO	NO	DIOXIN DISTRIBUTION 18	DIOXIN DISTRIBUTION 11
17	2007	NO	NO	DIOXIN DISTRIBUTION 19	DIOXIN DISTRIBUTION 11
18	2007	NO	NO	DIOXIN DISTRIBUTION 20	DIOXIN DISTRIBUTION 11
19	2007	NO	NO	DIOXIN DISTRIBUTION 21	DIOXIN DISTRIBUTION 11
20	2007	NO	NO	DIOXIN DISTRIBUTION 22	DIOXIN DISTRIBUTION 11
21	2007	NO	NO	DIOXIN DISTRIBUTION 23	DIOXIN DISTRIBUTION 11
22	2007	NO	NO	DIOXIN DISTRIBUTION 24	DIOXIN DISTRIBUTION 11
23	2007	NO	NO	DIOXIN DISTRIBUTION 25	DIOXIN DISTRIBUTION 11
24	2007	NO	NO	DIOXIN DISTRIBUTION 26	DIOXIN DISTRIBUTION 11
25	2007	NO	NO	DIOXIN DISTRIBUTION 27	DIOXIN DISTRIBUTION 11
26	2007	NO	NO	DIOXIN DISTRIBUTION 28	DIOXIN DISTRIBUTION 11
27	2007	NO	NO	DIOXIN DISTRIBUTION 29	DIOXIN DISTRIBUTION 11
28	2007	NO	NO	DIOXIN DISTRIBUTION 30	DIOXIN DISTRIBUTION 11
29	2007	NO	NO	DIOXIN DISTRIBUTION 31	DIOXIN DISTRIBUTION 11
30	2007	NO	NO	DIOXIN DISTRIBUTION 32	DIOXIN DISTRIBUTION 11
31	2007	NO	NO	DIOXIN DISTRIBUTION 33	DIOXIN DISTRIBUTION 11
32	2007	NO	NO	DIOXIN DISTRIBUTION 34	DIOXIN DISTRIBUTION 11
33	2007	NO	NO	DIOXIN DISTRIBUTION 35	DIOXIN DISTRIBUTION 11
34	2007	NO	NO	DIOXIN DISTRIBUTION 36	DIOXIN DISTRIBUTION 11
35	2007	NO	NO	DIOXIN DISTRIBUTION 37	DIOXIN DISTRIBUTION 11
36	2007	NO	NO	DIOXIN DISTRIBUTION 38	DIOXIN DISTRIBUTION 11
37	2007	NO	NO	DIOXIN DISTRIBUTION 39	DIOXIN DISTRIBUTION 11
38	2007	NO	NO	DIOXIN DISTRIBUTION 40	DIOXIN DISTRIBUTION 11
39	2007	NO	NO	DIOXIN DISTRIBUTION 41	DIOXIN DISTRIBUTION 11
40	2007	NO	NO	DIOXIN DISTRIBUTION 42	DIOXIN DISTRIBUTION 11
41	2007	NO	NO	DIOXIN DISTRIBUTION 43	DIOXIN DISTRIBUTION 11
42	2007	NO	NO	DIOXIN DISTRIBUTION 44	DIOXIN DISTRIBUTION 11
43	2007	NO	NO	DIOXIN DISTRIBUTION 45	DIOXIN DISTRIBUTION 11
44	2007	NO	NO	DIOXIN DISTRIBUTION 46	DIOXIN DISTRIBUTION 11
45	2007	NO	NO	DIOXIN DISTRIBUTION 47	DIOXIN DISTRIBUTION 11
46	2007	NO	NO	DIOXIN DISTRIBUTION 48	DIOXIN DISTRIBUTION 11
47	2007	NO	NO	DIOXIN DISTRIBUTION 49	DIOXIN DISTRIBUTION 11
48	2007	NO	NO	DIOXIN DISTRIBUTION 50	DIOXIN DISTRIBUTION 11
49	2007	NO	NO	DIOXIN DISTRIBUTION 51	DIOXIN DISTRIBUTION 11
50	2007	NO	NO	DIOXIN DISTRIBUTION 52	DIOXIN DISTRIBUTION 11
51	2007	NO	NO	DIOXIN DISTRIBUTION 53	DIOXIN DISTRIBUTION 11
52	2007	NO	NO	DIOXIN DISTRIBUTION 54	DIOXIN DISTRIBUTION 11
53	2007	NO	NO	DIOXIN DISTRIBUTION 55	DIOXIN DISTRIBUTION 11
54	2007	NO	NO	DIOXIN DISTRIBUTION 56	DIOXIN DISTRIBUTION 11
55	2007	NO	NO	DIOXIN DISTRIBUTION 57	DIOXIN DISTRIBUTION 11
56	2007	NO	NO	DIOXIN DISTRIBUTION 58	DIOXIN DISTRIBUTION 11
57	2007	NO	NO	DIOXIN DISTRIBUTION 59	DIOXIN DISTRIBUTION 11
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59	2007	NO	NO	DIOXIN DISTRIBUTION 61	DIOXIN DISTRIBUTION 11
60	2007	NO	NO	DIOXIN DISTRIBUTION 62	DIOXIN DISTRIBUTION 11
61	2007	NO	NO	DIOXIN DISTRIBUTION 63	DIOXIN DISTRIBUTION 11
62	2007	NO	NO	DIOXIN DISTRIBUTION 64	DIOXIN DISTRIBUTION 11
63	2007	NO	NO	DIOXIN DISTRIBUTION 65	DIOXIN DISTRIBUTION 11
64	2007	NO	NO	DIOXIN DISTRIBUTION 66	DIOXIN DISTRIBUTION 11
65	2007	NO	NO	DIOXIN DISTRIBUTION 67	DIOXIN DISTRIBUTION 11
66	2007	NO	NO	DIOXIN DISTRIBUTION 68	DIOXIN DISTRIBUTION 11
67	2007	NO	NO	DIOXIN DISTRIBUTION 69	DIOXIN DISTRIBUTION 11
68	2007	NO	NO	DIOXIN DISTRIBUTION 70	DIOXIN DISTRIBUTION 11
69	2007	NO	NO	DIOXIN DISTRIBUTION 71	DIOXIN DISTRIBUTION 11
70	2007	NO	NO	DIOXIN DISTRIBUTION 72	DIOXIN DISTRIBUTION 11
71	2007	NO	NO	DIOXIN DISTRIBUTION 73	DIOXIN DISTRIBUTION 11
72	2007	NO	NO	DIOXIN DISTRIBUTION 74	DIOXIN DISTRIBUTION 11
73	2007	NO	NO	DIOXIN DISTRIBUTION 75	DIOXIN DISTRIBUTION 11
74	2007	NO	NO	DIOXIN DISTRIBUTION 76	DIOXIN DISTRIBUTION 11
75	2007	NO	NO	DIOXIN DISTRIBUTION 77	DIOXIN DISTRIBUTION 11
76	2007	NO	NO	DIOXIN DISTRIBUTION 78	DIOXIN DISTRIBUTION 11
77	2007	NO	NO	DIOXIN DISTRIBUTION 79	DIOXIN DISTRIBUTION 11
78	2007	NO	NO	DIOXIN DISTRIBUTION 80	DIOXIN DISTRIBUTION 11
79	2007	NO	NO	DIOXIN DISTRIBUTION 81	DIOXIN DISTRIBUTION 11
80	2007	NO	NO	DIOXIN DISTRIBUTION 82	DIOXIN DISTRIBUTION 11
81	2007	NO	NO	DIOXIN DISTRIBUTION 83	DIOXIN DISTRIBUTION 11
82	2007	NO	NO	DIOXIN DISTRIBUTION 84	DIOXIN DISTRIBUTION 11
83	2007	NO	NO	DIOXIN DISTRIBUTION 85	DIOXIN DISTRIBUTION 11
84	2007	NO	NO	DIOXIN DISTRIBUTION 86	DIOXIN DISTRIBUTION 11
85	2007	NO	NO	DIOXIN DISTRIBUTION 87	DIOXIN DISTRIBUTION 11
86	2007	NO	NO	DIOXIN DISTRIBUTION 88	DIOXIN DISTRIBUTION 11
87	2007	NO	NO	DIOXIN DISTRIBUTION 89	DIOXIN DISTRIBUTION 11
88	2007	NO	NO	DIOXIN DISTRIBUTION 90	DIOXIN DISTRIBUTION 11
89	2007	NO	NO	DIOXIN DISTRIBUTION 91	DIOXIN DISTRIBUTION 11
90	2007	NO	NO	DIOXIN DISTRIBUTION 92	DIOXIN DISTRIBUTION 11
91	2007	NO	NO	DIOXIN DISTRIBUTION 93	DIOXIN DISTRIBUTION 11
92	2007	NO	NO	DIOXIN DISTRIBUTION 94	DIOXIN DISTRIBUTION 11
93	2007	NO	NO	DIOXIN DISTRIBUTION 95	DIOXIN DISTRIBUTION 11
94	2007	NO	NO	DIOXIN DISTRIBUTION 96	DIOXIN DISTRIBUTION 11
95	2007	NO	NO	DIOXIN DISTRIBUTION 97	DIOXIN DISTRIBUTION 11
96	2007	NO	NO	DIOXIN DISTRIBUTION 98	DIOXIN DISTRIBUTION 11
97	2007	NO	NO	DIOXIN DISTRIBUTION 99	DIOXIN DISTRIBUTION 11
98	2007	NO	NO	DIOXIN DISTRIBUTION 100	DIOXIN DISTRIBUTION 11

## More Than Just a Download: Participate!

2007 Toxics Release Inventory National data file of all US States and Territories

**Dataset Summary**

Agency: Environmental Protection Agency

Category: Geography and Environment

Date Released: 3/19/2009

Date Updated: 6/10/2009

Time Period: Calendar Year 2007

Frequency: Annual

Description: The Toxics Release Inventory (TRI) is a public-law requirement for certain industries as well as federal facilities.

**Download Information**

Feeds > XML >

CSV/TXT > XLS >

**CSV**

KML/KMZ > Shapefile >

Maps

**Dataset Ratings**

Overall: ★★★★★ (3 votes)

Data Utility: ★★★★★ (3 votes)

Usefulness: ★★★★★ (3 votes)

Ease of Access: ★★★★★ (3 votes)

**Rate data here**

**Comment here**

**Comment on these data:**

ritzy 8:30

Type the two words:

**SUBMIT** (Privacy Policy)

# Tool Catalog

Data.gov Catalogs

Use the Data.gov catalog below to access U.S. Federal Executive Order 13526, which provides information on the classification of information. By accessing the data catalogs, you can find "raw" data catalog, using tools and through the geodata catalog, which provides information on tools that allow you to mine datasets.

**Input keywords**

Search tools by keywords

Search tools by single/multiple category

Search tools by single/multiple agency

Page 1 of 2 (35 records found) Results per page: 25 | 50 | 100

Name (click for metadata and to rate tool)	Rating	Agency	Category	Data Extraction	Widget
Airline On-Time Performance and Causes of Flight Delays This table contains on-time arrival data for non-stop domestic flights by major air carriers, and provides such additional items as departure and arrival delays, origin a...	★★★★☆ (5 votes)	BTS	Transportation		
American FactFinder American FactFinder is the U.S. Census Bureau's online, self-service tool designed to search the American Community Survey, Puerto Rico Community Survey, Decennial Census, ...	★★★★☆ (12 votes)	Census	Population		
Cancer Incidence - Surveillance, Epidemiology, and End Results (SEER) Registries Limited-Use SEER Limited-Use cancer incidence data with associated population data. Geographic areas available are county and SEER registry. The Surveillance...	★★★★☆ (7 votes)	NCI	Health and Nutrition		

# H1N1 Widget

HHS 2009 Flu Info

**Dataset Summary**

Agency: Centers for Disease Control and Prevention  
Category: Health and Nutrition  
Date Released:  
Date Updated:  
Time Period: Daily (M-F)  
Frequency: Daily  
Description: This H1N1 widget provides a graphic with links to H1N1 Flu information, swine, origin, united states information, international information, things to do, plan, prepare, planning, preparing, virus, outbreak, Novel Influenza A, ...

**Dataset Ratings**

	Current	Your Rating (?)
Overall	★★★★☆ (10 votes)	☆☆☆☆☆
Data Utility	★★★★☆ (5 votes)	☆☆☆☆☆
Usefulness	★★★★☆ (5 votes)	☆☆☆☆☆
Ease of Access	★★★★☆ (5 votes)	☆☆☆☆☆

**Dataset Information**

Data.gov Data Category Type: Tool Catalog  
Specialized Data Category Designation: Widget/Gadget  
Keywords: federal widget, H1N1, flu information, swine, origin, united states information, international information, things to do, plan, prepare, planning, preparing, virus, outbreak, Novel Influenza A, ...

**Download Information**

Data Extraction >  
Widget >

**Click on Widget**

# H1N1 Widget on CDC.gov

The screenshot shows the CDC.gov 'Widgets and Gadgets' page. A red circle highlights the 'Available Widgets' section, which lists various widgets including 'H1N1 Flu Info'. A callout box points to this widget, stating: 'Track the H1N1 flu and other health alerts'. Another callout box points to the top of the page, stating: 'Get real time updates on your web site or phone'. A third callout box points to the 'H1N1 Flu Info' widget, stating: 'Promote health awareness'. The widget itself displays 'H1N1 Flu Info' and includes a 'Copy This Code' button and a text area with code for embedding the widget.

# Access State and Local Specific Data

The screenshot shows the DATA.GOV 'State and Local Data Sites' page. A red circle highlights the 'STATE/LOCAL' link in the navigation menu. Below the navigation is a map of the United States with state abbreviations. A callout box points to the state of North Dakota (ND) on the map, stating: 'Click on state to access state data'. A legend in the bottom right corner of the map area indicates 'Data Available' with a small square icon.

# Access State and Local Specific Data

**Utah - Statewide Occupational Wages**

**Hourly Wage Information by Occupational Title**  
Published May, 2008

Below is a summary of the wage estimates for the state of Utah, which are based on data gathered in May of 2007. Occupations are listed alphabetically along with the occupation code, which is a unique number assigned to each occupation. Wages for occupations in education are at the end of the wage table.

Wages are presented as: the Inexperienced Wage (the average of the bottom-third of all wages collected), Average Wage, Median Wage (which is the wage of the middle worker in the survey where half of the workers earned wages below the median and half above the median), and the Middle Range (which represents the wages of the middle fifty percent of workers in each occupation).

Questions may be addressed to Mark Knold (801) 526-9456, Chief Economist for the Utah Department of Workforce Services.


Code	Title	Inexperienced	Average	Media	Middl From	Range To
13-2011	Accountants and Auditors	\$18.13	\$28.26	\$28.03	\$19.98	\$34.95
27-2011	Actors	7.94	13.77	13.59	9.00	15.74
16-2011	Actuaries	25.53	42.11	34.86	27.69	49.68
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	19.45	33.09	29.45	23.03	41.10
11-3011	Administrative Services Managers	21.68	32.65	30.49	24.12	38.94
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	11.28	19.02	19.29	13.30	23.65
11-2011	Advertising and Promotions Managers	21.30	39.68	35.08	23.98	54.04
41-3011	Advertising Sales Agents	12.53	24.26	19.26	14.54	33.84
17-3021	Aerospace Engineering and Operations Technicians	17.25	23.89	23.82	20.03	28.06
17-2011	Aerospace Engineers	30.32	38.64	38.65	32.64	45.08
19-4011	Agricultural and Food Science Technicians	12.33	16.85	16.63	13.71	18.83
45-2031	Agricultural Equipment Operators	10.22	12.37	11.32	10.22	14.36
45-2011	Agricultural Inspectors	13.81	17.68	17.30	14.14	20.81
53-1011	Aircraft Cargo Handling Supervisors	10.66	14.73	13.14	11.30	16.80
49-3011	Aircraft Mechanics and Service Technicians	19.08	23.85	23.30	20.36	27.71
51-2011	Aircraft Structure, Surfaces, Fitting, and Systems Assemblers	12.64	17.38	18.61	14.32	21.41
53-2022	Airfield Operations Specialists	12.36	17.40	16.96	13.76	19.61
29-2021	Amusement and Recreation Attendants	6.43	7.97	7.47	6.43	9.06

THE OFFICIAL WEBSITE FOR THE STATE OF UTAH


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GOVERNMENT RESIDENTS VISITORS BUSINESS EMPLOYMENT EDUCATION ABOUT ONLINE SERVICES


RELATED LINKS & RESOURCES




State Data Sources  
Larger sources of state data which allow you to access, query and download in dozens of categories.  
[View State Data Sources](#)



Local Data Sources  
Data Utah.gov will help you find and access data from local government sources in Utah.  
[View Local Data Sources](#)



Geographic Data Sources  
KML files can be used to create maps with popular mapping tools. See some examples.  
[View Geographic Data Sources](#)



External Data Sources  
Utah data is also available from external sources like the Federal government.  
[View External Data Sources](#)

Utah Data

- [State Data Files](#)
- [State Data Sources](#)
- [Local Data Sources](#)
- [Data Visualizations](#)
- [Geographic Data Sources](#)
- [External Data Sources](#)
- [Special Utah Data Group](#)

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Can't find the information you need? data becomes available below. Let Us Help You Find It.

More Data Sources

- [Federal Data Sources](#)
- [Other State and Local Data Sources](#)

Your Feedback

Was the information on this page helpful?

Yes  No

If not, what were you looking for?

Please note, your feedback will be reviewed, but not responded to, if you would like.



# Data.gov at U K



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Unlocking innovation | data.gov.uk - Windows Internet Explorer

data.gov.uk

HM Government
data.gov.uk

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Unlocking innovation

Working with UK Public Sector information and data



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What is the Semantic Web? Combining different data


Advised by Sir Tim Berners-Lee and Professor Noel Shadbolt and others. government




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# The Power of Setting Data Free



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## Finding the Innovative Path

In just a few hours after launch of Data.gov the public created an FBI wanted app

In just a few weeks the public created several more

Public innovation translates to development \$'s saved





# Prevent Spreading of Illnesses

- Real-time updates
- Data from a trusted source
- Information targeted to specific audience

The FDA Peanut-Containing Product Recall widget allows you to browse the Food and Drug Administration (FDA) database of peanut butter and peanut-containing products subject to recall. This database makes it easier for you to determine whether any of the products you have at home are subject to recent recalls, and will be updated as new information becomes available.

Copy This Code for FDA Peanut-Containing Product Recall:

```
<div id="start-widget-focus" style="margin-top: 10px; margin-bottom: 10px;"><div href="http://www.accessdata.fda.gov/scripts/peanut/butterrecall/index.cfm" style="margin-left: 40px; font-weight: bold;" title="Jump directly to the">
```

**Click on Widget**

FDA Peanut-Containing Product Recall

**DATASET SUMMARY**

Agency: US Food and Drug Administration

Category: Health and Nutrition

Date Released:

Date Updated:

Time Period:

Frequency:

Description: The FDA Peanut-Containing Product Recall widget allows you to browse the food and Drug Administration (FDA) database of peanut butter and peanut-containing products subject to recall. This database makes it easier for you to determine whether any of the products you have at home are subject to recent recalls, and will be updated as new information becomes available.

# Transparency: Track your Tax Dollars

**Contracts from Dept. of Defense (FY 2009)**

**DATA.GOV**

HOME | CATALOGS | STATE/LOCAL | ABOUT | FAQ | CONTACT

USA Spending Contracts and Purchases

**DATASET SUMMARY**

Agency: General Services Administration

Category: Federal Government Finances and Employment

Date Released: 2008

Date Updated: 2009


Time Period: 2009

Frequency: Monthly


Description: Provides US Federal Spending by agency relating to all Federal contracts. There are 100 cards spending of various federal agency website are extracted from the rep...

Parent Company Name	Contractor Name(s)	Total Amount (for this search)
<a href="#">Lockheed Martin Corporation</a>	ACS DEFENSE; ACS GOVERNMENT SVC; ACULIGHT; ASPEN SYS; ASPENMED SVC; COHERENT TECH; EAGLE GROUP INTL; GENERA... <a href="#">more</a>	\$16,186,056,38
<a href="#">The Boeing Company</a>	:ALTEON TRAINING; ALTEON TRAINING 0001; AUTOMETRIC; AVIALL; AVIALL SVC; BOEING; BOEING 0674; BOEING 3; BOEIN... <a href="#">more</a>	\$13,876,918,72
<a href="#">Northrop Grumman Corporation</a>	ADAPTIVE OPTICS ASSOCIATES; AEROJET ELECTRO SYS; AEROJET GENERAL; AMHERST SYS; AMSEC; AMSEC LIMITED LIABL... <a href="#">more</a>	\$7,848,633,79
<a href="#">General Dynamics Corporation</a>	ADVANCED INFORMATION ENGINEER; ADVANCED INFORMATION ENGINEERING SVC; AMERICAN OVERSEAS MARINE; AMERICA... <a href="#">more</a>	\$7,461,323,06
<a href="#">Raytheon Company</a>	HOUSTON ASSOCIATES; IDS RAYTHEON RF COMPONENTS; JPS COMMUNICATIONS; OAKLEY NETWORKS; PHOTON RESEARCH ASS... <a href="#">more</a>	\$5,650,315,59
<a href="#">United Technologies Corporation</a>	AFAC; AHLBRANDT TECHNISCHE ANLAGEN GMBH; AMTECH ELEVATOR SVC; ANTRONNIX ANTENNA; ARCHITECTURAL FNFRGY; All... <a href="#">more</a>	\$4,346,198,96






# What Others Are Doing with Open Government Data




... DAS ...

See more third party developed applications:  
<http://www.sunlightlabs.com/>



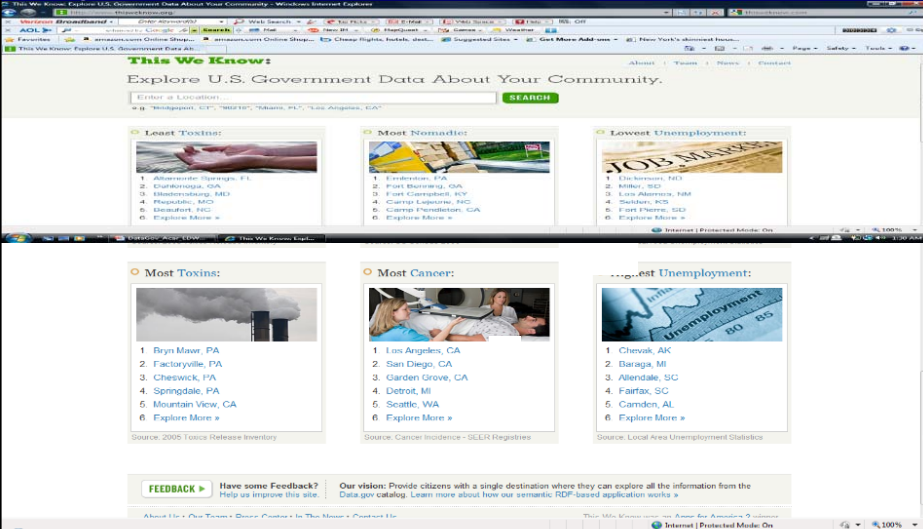
The screenshot shows the Sunlight Labs website with a navigation menu (BLOG, PEOPLE, PROJECTS, EVENTS, WIKI, ABOUT, CONTACT) and a main heading "We're Opening America's Government". Below this, there are sections for "How You Can Help" (1. CREATE an Account, 2. FIND a Project), "Active Projects" (listing ThisWeKnow.org, OpenMeetings.org, etc.), and "What's Happening in The Labs Community". A browser window at the bottom shows a blog post titled "Data Quality Deserves to be Tackled on Its Own" with a date of 01/26/2010.



# What Others Are Doing with Open Government Data




... DAS ...




The screenshot shows the "This We Know" website interface. It features a search bar for "Explore U.S. Government Data About Your Community." Below the search bar are several data visualization cards:

- Least Toxins:**
  1. Alexandria, Virginia, VA
  2. Danvers, MA
  3. Middletown, MD
  4. Frederick, MD
  5. Danvers, MA
  6. Explore More >
- Most Normal:**
  1. Danvers, MA
  2. Fort Lauderdale, FL
  3. Fort Lauderdale, FL
  4. Camp Lejeune, NC
  5. Camp Lejeune, NC
  6. Explore More >
- Lowest Unemployment:**
  1. Danvers, MA
  2. Miller, SD
  3. Los Angeles, CA
  4. Solon, IA
  5. Fort Worth, TX
  6. Explore More >
- Most Toxins:**
  1. Bryn Mawr, PA
  2. Factoryville, PA
  3. Cheswick, PA
  4. Springdale, PA
  5. Mountain View, CA
  6. Explore More >
- Most Cancer:**
  1. Los Angeles, CA
  2. San Diego, CA
  3. Garden Grove, CA
  4. Detroit, MI
  5. Seattle, WA
  6. Explore More >
- Highest Unemployment:**
  1. Chevak, AK
  2. Baraga, MI
  3. Allendale, SC
  4. Fairfax, SC
  5. Camden, AL
  6. Explore More >

At the bottom, there is a "FEEDBACK" section and a vision statement: "Our vision: Provide citizens with a single destination where they can explore all the information from the Data.gov catalog. Learn more about how our semantic, RDF-based application works >".



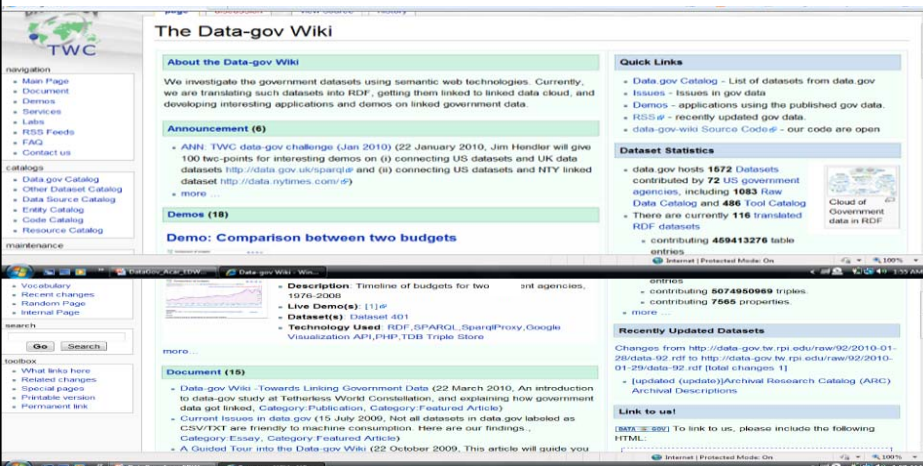
# What Others Are Doing with Open Government Data




... DAS ...


See more third party developed applications:

[http://data-gov.tw.rpi.edu/wiki/The\\_Data-gov\\_Wiki](http://data-gov.tw.rpi.edu/wiki/The_Data-gov_Wiki)






# What Others are Saying: Initial Feedback




... DAS ...

- **Positive feedback on Design and Approach**
  - 1000+ “tweets” within 5 hours of launch and 300+ suggestions
    - *“Yes, we can have open data!”*
    - *Data.gov is now live! It's got more of a Web 2.0 feel than a government bureaucracy.*
    - *Nice! data.gov just launched, accumulating government data for everyone to explore*
    - *US Government data out the wazoo! <http://www.data.gov/> launches with a snazzy design (for once). Looks like a good tool to me”*
- **However, Users Want.....**
  - Additional machine readable formats,
  - Web services/API to directly access a
  - MANY more datasets!

Data.gov is widely embraced by the open government community



## What Others Are Saying



**Agencies Make Data More Widely Available Through Data.gov (1/27/10)**

On Jan. 22, executive agencies posted hundreds of datasets onto Data.gov as required under the Open Government Directive (OGD). Many transparency advocates have lauded the administration's efforts while at the same time raising questions about how well this first initiative under the OGD actually worked.

**Heather West of the Center for Democracy and Technology:**  
 "There are some data sets that are clearly high value to the public. Hopefully, this is the start of a process to release all the data sets that are valuable, no matter how valuable or to whom."

**MyData: A paradigm shift? (1/24/10)**  
 A paradigm shift? I think so due to two things we haven't seen ... in industry and or government. **The first change** ...these efforts are making an attempt at being open and honest here and showing data in "raw" format. ...**The second change** is that these efforts are not making the reports for you, they are giving you the data for you to build your dashboards or canned reports.  
<http://nichmurnane.blogspot.com/2010/01/mydata-paradigm-shift.html>



## Evolving Data.gov



... DAS ...



### Join the Dialogue



Evolving Data.gov With You

new idea +

**Categories**

- All (62)
- Strategic Intent (6)
- Key Partnerships (6)
- Solution Architecture (18)
- Agency Next Steps (9)
- Developer's Corner (10)
- General (13)

Subscribe    

62 Ideas, 184 Comments, 762 Votes

IdeaScale

Evolving Data.gov with You

Data.gov is designed for the public's active participation in shaping their future access to government information. This online platform is being launched so we can evolve Data.gov with you. We would appreciate hearing your ideas and viewpoints.

To get everyone started, the Federal CIO Council, together with OMB, has drafted a Data.gov Concept of Operations document. It's a first effort that describes where we are and where we could go together.

We organized the site by topics, which appear on the left hand tool bar, so you can easily:

- Post and vote on ideas based on the Draft Concept of Operations document
- Collaborate on ideas in the Developer's Corner
- Or just post your best ideas for Data.gov under the General Topic area

The Getting started section, which appears on the right hand tool bar, will let you jump right in. So please, let your networks know we look forward to their ideas and votes on ways to make Data.gov a richer, more user-friendly resource for everyone.

The conversation is open! Thanks for participating.

Linda A. Travers is CIO Council Data.gov Co-lead and Acting CIO, Environmental Protection Agency

Sanjeev "Sonny" Bhagowalia is CIO Council Data.gov Co-Lead and CIO, Department of the Interior

Search Ideas 


Getting Started:

Add Your Idea by clicking on the "new idea" button to the left.

Here is a discussion question to help get you started: **What would you like Data.gov to look like by July 2010?**


While you're here:

- **Review Our Plans**  
Take a look at our ideas to evolve REVIEW OUR PLANS
- **Data.gov**: You can download our draft Data.gov Concept of Operations in Word or Acrobat formats:
  - Word Document [49 pp, 6.5MB] 
  - Adobe PDF [49 pp, 2.5MB] 
- **Comment on Ideas**: Jump in and let us know what you think about the ideas others have raised.
- **Vote, Vote, Vote!** Your votes are critical to ensuring that the best ideas "bubble up" to the top.
- **Spread the Word!** E-mail, tweet, or post this URL. (<http://datagov.ideascale.com/>) to your networks, and invite them to get involved.
- **Review our Terms of Participation and Privacy Policy**


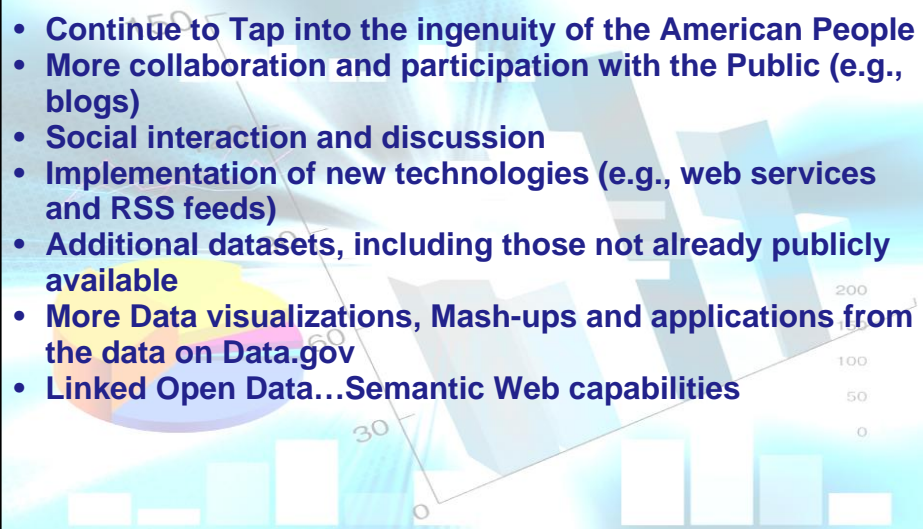


... DAS ...

## What's Next for Data.gov....




- Continue to Tap into the ingenuity of the American People
- More collaboration and participation with the Public (e.g., blogs)
- Social interaction and discussion
- Implementation of new technologies (e.g., web services and RSS feeds)
- Additional datasets, including those not already publicly available
- More Data visualizations, Mash-ups and applications from the data on Data.gov
- Linked Open Data...Semantic Web capabilities



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## Summary




**Challenge :**  
Making Data Available

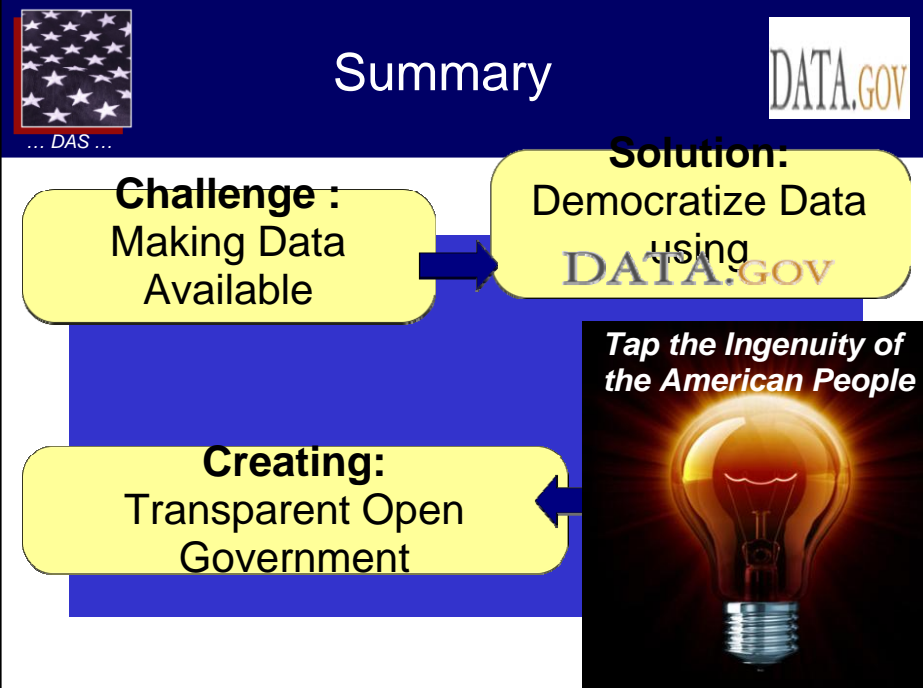
**Solution:**  
Democratize Data using  
DATA.GOV


**Creating:**  
Transparent Open Government

*Tap the Ingenuity of the American People*



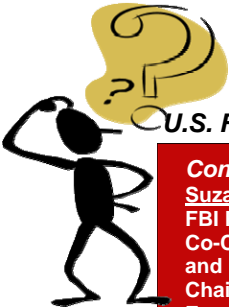

```
graph LR; Challenge[Challenge: Making Data Available] --> Solution[Solution: Democratize Data using DATA.GOV]; Solution --> Creating[Creating: Transparent Open Government];
```





... DAS ...

# Questions



**U.S. Federal Data Architecture Subcommittee (DAS)**

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Co-Chair, Federal Data Architecture Subcommittee,  
and  
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