



Data.Gov 2.0: Next Generation What's Now, What's Next!

***Jeanne Holm
Evangelist, Data.gov
May 12, 2011***

Open Government Initiative



the WHITE HOUSE PRESIDENT BARACK OBAMA

Get Email Updates | Contact Us

BLOG PHOTOS & VIDEO BRIEFING ROOM ISSUES the ADMINISTRATION the WHITE HOUSE our GOVERNMENT

Home • The Administration • Open Government Initiative

Search WhiteHouse.gov

Open Government Initiative

TRANSPARENCY + PARTICIPATION + COLLABORATION

OPEN GOV

About Open Government | Open Gov Blog | Around the Government | Innovations Gallery

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

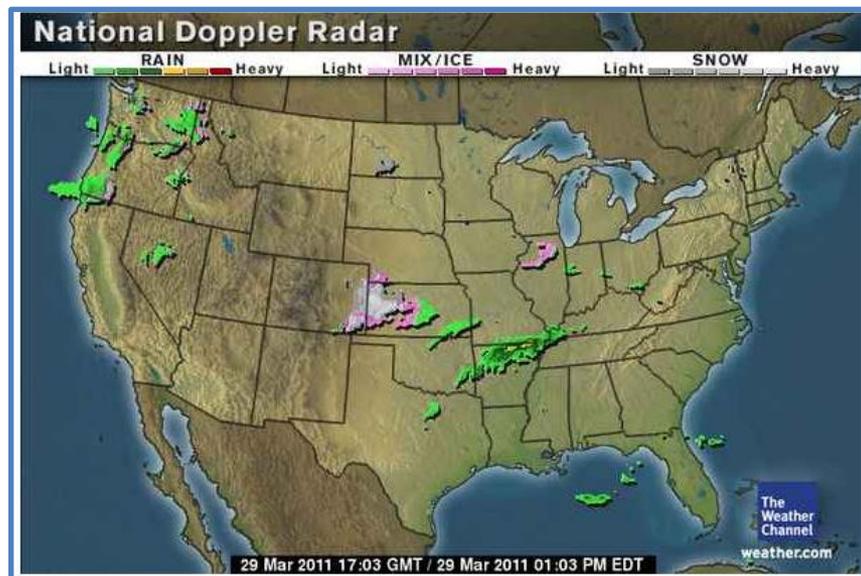


- Transparency promotes accountability
- Participation allows people to contribute ideas
- Collaboration encourages cooperation within government and with industry

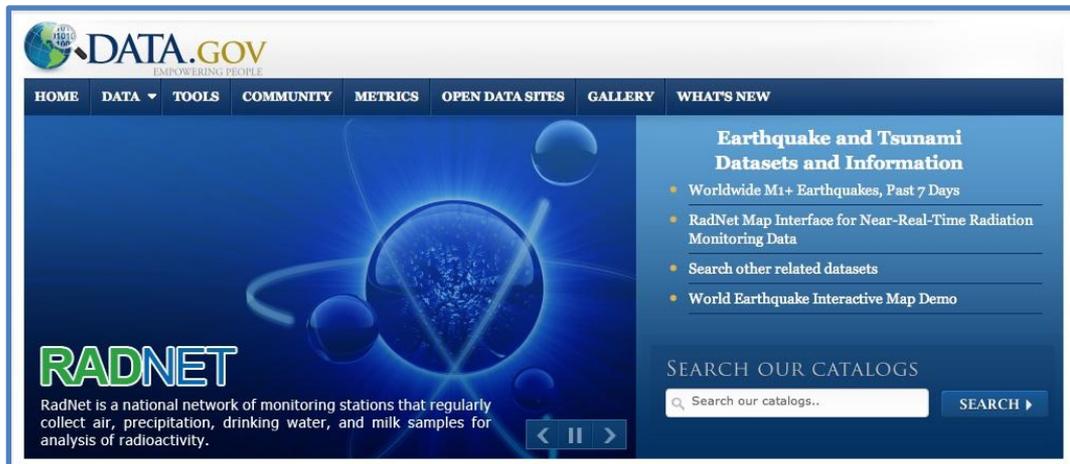
Think Big, Start Small, Innovate

| Data.gov Quick Facts | Launch: May 21, 2009 | March 29, 2011 |
|--|---------------------------------|-----------------------|
| Total datasets available | 47 | 379,931 |
| Hits to Data.gov | 2.1 million | 179.1 million |
| Apps and mash-ups by citizens and government | 0 | 236 + 938 |
| RDF triples for semantic applications | 0 | 6.4 billion |
| Dataset downloads | 0 | 1.4 million |
| Nations establishing open data sites | 0 | 14 |
| States offering open data sites | 0 | 26 |
| Cities in North America with open data sites | 0 | 16 |
| Open data contacts in Federal agencies | 24 | 396 |
| Agencies and subagencies participating | 7 | 172 |
| Communities | 0 | 5 |

- NOAA's data helped build weather-related business
 - Weather forecasting
 - The Weather Channel
 - Weather.com
- When the Department of Defense released satellite data...private industry created affordable GPS devices!
- Opportunities for private sector are limitless



Japanese tsunami, earthquake, and radiation monitoring



DATA.GOV
EMPOWERING PEOPLE

HOME DATA TOOLS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

Earthquake and Tsunami Datasets and Information

- Worldwide M1+ Earthquakes, Past 7 Days
- RadNet Map Interface for Near-Real-Time Radiation Monitoring Data
- Search other related datasets
- World Earthquake Interactive Map Demo

SEARCH OUR CATALOGS
Search our catalogs.. SEARCH

RADNET
RadNet is a national network of monitoring stations that regularly collect air, precipitation, drinking water, and milk samples for analysis of radioactivity.




DATA.GOV
EMPOWERING PEOPLE

HOME DATA TOOLS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

DEEPWATER HORIZON RESPONSE

In response to the 2010 oil spill in the Gulf of Mexico, Data.gov is featuring data from the Department of Energy (DOE), the Environmental Protection Agency (EPA), the National Oceanic and Atmospheric Administration (NOAA), the Department of the Interior (DOI), and the states of Florida and Louisiana related to the spill, its effects, and the cleanup effort. Data include oil and gas flow and recovery measurements, air and water sample data, oil spill-related exposure information, and other data of interest to scientists, recovery workers, and citizens.



RAW DATA AND TOOLS
VIEW MORE

OTHER DATA SITES
VIEW MORE

GEOSPATIAL
VIEW MORE

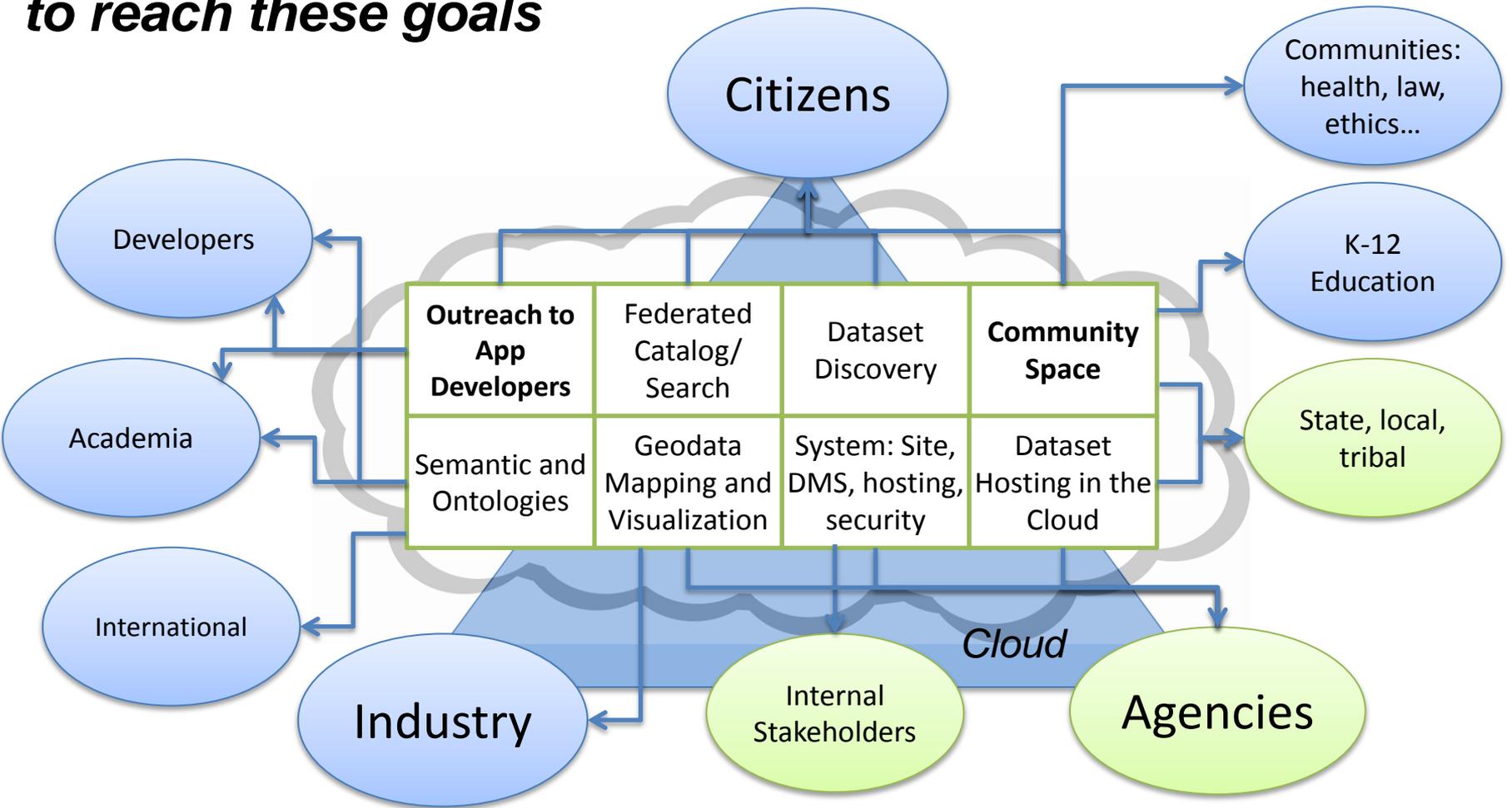
Agency data is available from Data.gov that is relevant to the Deepwater Horizon response.

Many federal agencies and state government data sites are available related to the Deepwater Horizon Response.

GeoPlatform.gov is a new online mapping tool that provides you with near-real time information about the response effort, developed by NOAA with EPA, U.S. Coast Guard, and the Department of the Interior.

Restore the Gulf: Deepwater Horizon Response

Funding will drive ability to reach these goals

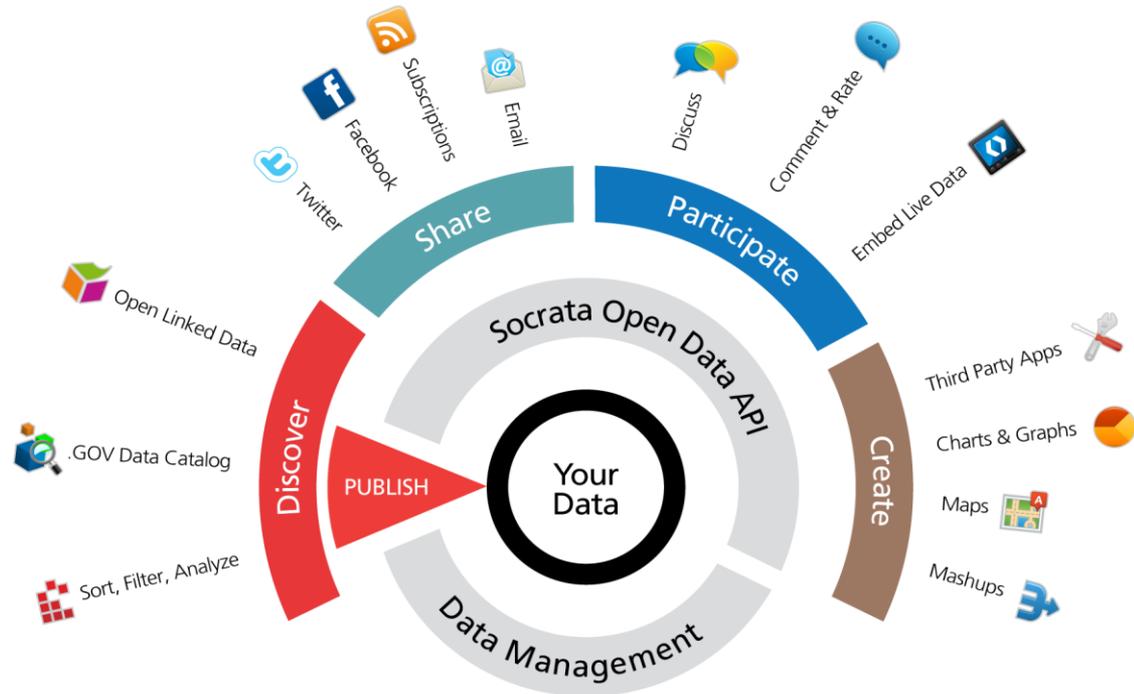


Green = government Blue = external stakeholders

What's NOW, What's NEXT

Optimizing Data Use

- Streamlining publishing, making it easier for agencies to contribute high-value data
- Providing more and better data for analysts, journalists, and researchers
- Leading to apps and reports for people to make better informed decisions



2009 ACRES AFS AQS ARRA Air Force Air Major Air Minor Army Bankruptcy Brownfields CA
 CAMDBS CERCLIS California Case **Chemical Chemical Pollution**
Chemical Release Chemicals Coast Guard Current Data DOC DUNIS
 Defence Defense Department of Commerce DoD EPA EPCRA EPCRA 313 FRS
 FRS Data Final Rule **Form A Form R** HCRIS **Hazardous** ICIS IP LQG
 Labor Labor Organization Lake Levels Marine Corps **NAICS** NCDB NCES NEI NEPA
 NLRB NPDES NPL National Science Foundation Navy **PBT** PCS RCRA RCRAINFO RFS RMP
 Report Reservoir Levels **Right to Know** SDWIS SIC SQG SSTS STATE Superfund
 TRI TRI 2009 Data TRI Data TRI Preliminary Data
 TRI Report TRI Reporting TRI State Data TRIS TSD TVA
 Lake Levels TVA Reservoir Levels **Toxic Toxic Release Toxic Release**
Inventory Toxics Toxics Release Toxics Release
Inventory Transporter U.S. Fish and Wildlife Service U.S. Patent & Trademark Office U.S. Patent
 and Trademark Office US Patent and Trademark Office USAF USOC USMC USN USPTO Union United
 States United States Patent and Trademark Office XML affiliation type aircraft bibliographic data biota
 children **community community right to know** comparison congressional
 facilities creditors critical habitat data.gov education emergency services energy **environment**
 environmental interest type examine **facilities facility** facility registry identifier facility site
 federal data download federal datasets file grant hc hcspis health hbc home health agencies
 hospital compare hospital list hospital type **industries industry** innovation intellectual
 property international invention inventor jobs latitude law longshore major discharger medical equipment
 military minor discharger mortality rates mov national national priorities list news nhc nursing home ooc
 organization outcome of care parent organization patient patient grant patient survey pentagon
 poc podcast **pollution prevention** process of care program system program system
 acronym program system identifier public health quality ratings admission rates regulated sites rights
 safety search **section 313** sites soldier **source reduction** stars statistics
 supplier technology **toxic chemical release inventory toxic**
chemicals release inventory toxic release transportation tuesday video
waste management weekly yield zp

Topics
tag
cloud

Data.Gov Virtual Catalog

An Official Web Site of the United States Government

DATA.GOV
EMPOWERING PEOPLE

HOME MY DATA.GOV TOOLS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

HARVARD BUSINESS SCHOOL CASE STUDY ON DATA.GOV
 Harvard Business School created a case study of the Data.gov evolution to help drive learning in how to open up government data and...

DRG Payments
A breakdown of California DRG Payments, graphed against their respective condition...

\$39,147,222
Total salary budget for the White House

GDP by Country
World GDP listed by country and continent.

Renal Dialysis Facility Medicare Cost Report - 2008
A collection of Renal Dialysis Facility Medicare cost report data from the CMS Form 255-04.

Search & Browse Datasets and Views

| Name | Popularity | Type |
|--|--------------|------|
| 1. Survey of Patients' Hospital Experiences (HCAHPS) hospital compare, hcspis, quality, ratings, ... | 22,982 views | |
| 2. Hospital Outcome Of Care Measures hospital compare, outcome of care, ooc, quality, ... | 11,399 views | |
| 3. Nursing Home Compare - Survey Dates nursing home, nhc, survey dates, ... | 7,849 views | |
| 4. Hospital General Information hospital compare, hospital list, ... | 6,709 views | |
| 5. Hospital Medicare Payment And Volume Measures hospital compare, mpv, hc, quality, ratings, ... | 5,783 views | |
| 6. Nursing Home Compare - Survey Deficiency nursing home, nhc, safety, health, fire safety, ... | 5,300 views | |
| 7. Home Health Care Facilities nhc, facilities, quality, ratings, comparison, ... | 4,780 views | |

Medical Procedure Costs

View Types

- Datasets
- Filtered Views
- Charts
- Calendars
- Forms

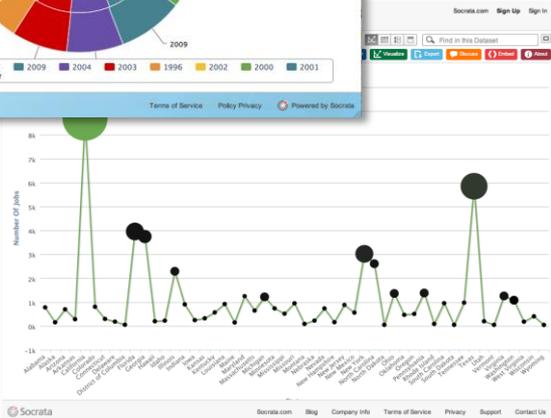
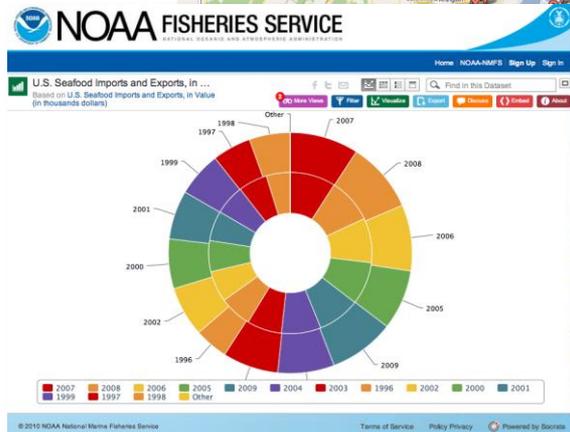
Categories

- Agriculture
- Arts, Recreation, and Travel
- Banking, Finance, and Insurance
- Births, Deaths, Marriages, and Divorces
- Business
- Business Enterprise
- Census

Keyword search

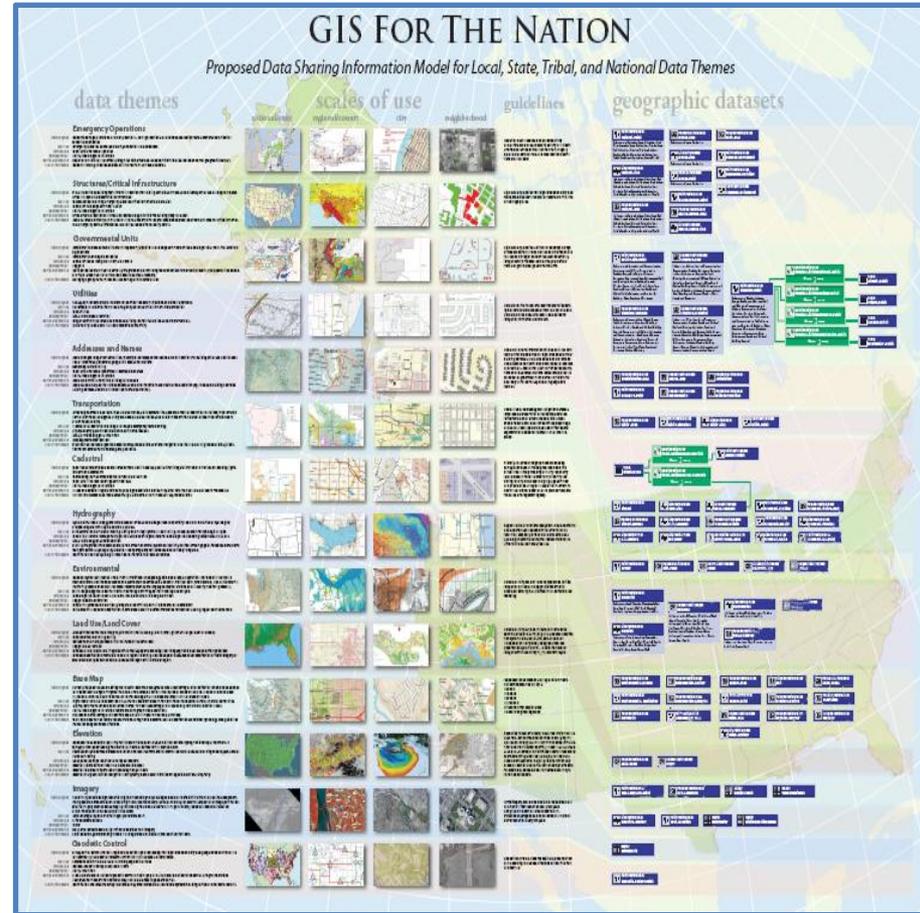
The Power of Visualizations

- A rich visual experience that includes
 - Mapping options from simple point maps to multi-dimensional maps using Google, Bing and Esri
 - Charts such as Area, Bar, Column, Donut, Line, Pie, Time Line, Tree Map and Bubble



Geospatial Data Integration

- Combine capabilities of Geodata.gov and Data.gov
- Enhanced visualization and data-mashing capabilities
- “Human knowledge is expected to be doubling by the year 2012”
Alvin Toffler
- Geo-aware applications are key
 - How to realize the promise of geospatial information systems (GIS) for the nation
 - Geo-data “architected and built-in”
 - Lightweight geo-applications and mash-ups for Web 2.0 and Gov 2.0
 - Incremental, agile, actionable and affordable delivery



An Official Web Site of the United States Government Thursday, June 24, 2010 Text: A* A* A Share

DATA.GOV EMPOWERING PEOPLE

HOME DATA TOOLS COMMUNITY METRICS DIALOGUE

Mineral Operations of Africa and the Middle East

| DATASET SUMMARY | |
|-----------------|---|
| Agency | Department of the Interior |
| Sub-Agency | US Geological Survey |
| Category | Geography and Environment |
| Date Released | 2006 |
| Date Updated | 2006 |
| Time Period | current as of 2005 |
| Frequency | as needed |
| Description | Attributes of over 1,500 mineral facilities |

| DOWNLOAD INFORMATION | |
|----------------------|------------|
| XML > | C SV/TXT > |
| XLS > | KML/KMZ > |
| Shapefile > | Maps |
| STIP | STIP |
| PDF > | PDF > |

Cannot find data you are looking for? Suggest other datasets!

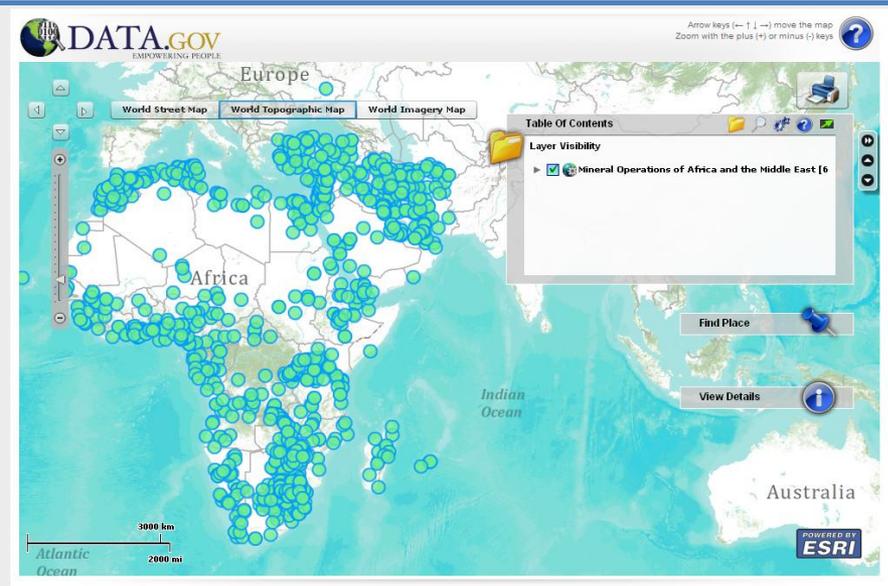
| DATASET RATINGS | |
|-----------------|--|
| Overall | Current: ★★★★★ (2 votes) Your Rating [7] |
| Data Utility | ★★★★★ (2 votes) |
| Usefulness | ★★★★★ (2 votes) |
| Ease of Access | ★★★★★ (2 votes) |

Comments (optional)

SUBMIT
(Privacy Policy)

DATA.GOV EMPOWERING PEOPLE

Arrow keys [← | →] move the map Zoom with the plus (+) or minus (-) keys



World Street Map World Topographic Map World Imagery Map

Table Of Contents

Layer Visibility

- Mineral Operations of Africa and the Middle East [6]

Find Place

View Details

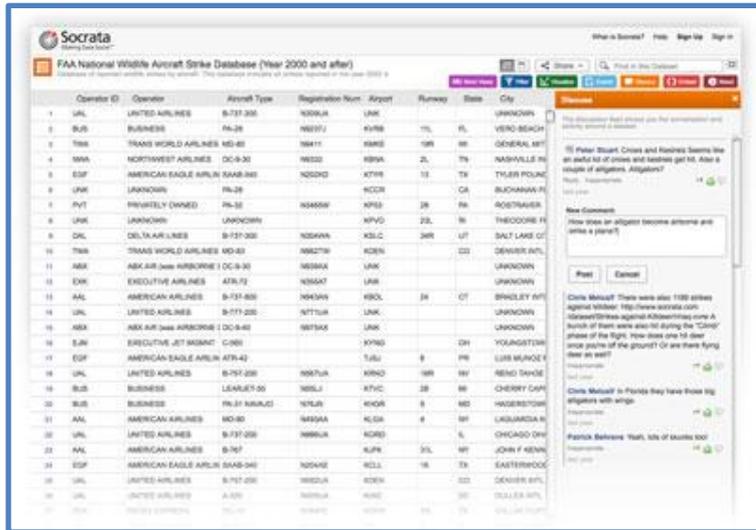
3000 km
2000 mi

POWERED BY ESRI

DATA.gov About | FAQ | Contact Info | Data Policy | Accessibility | Privacy Policy | Sitemap

Geospatial preview allows on-the-fly visualizations...

People Make Data Valuable



FAA National Wildlife Aircraft Strike Database (Year 2000 and after)

| Operator ID | Operator | Aircraft Type | Registration Num | Airport | Runway | State | City |
|-------------|----------|------------------------------|------------------|---------|--------|--------|--------------|
| 1 | UAL | UNITED AIRLINES | 9-121-305 | N009UA | UNK | UNKNOW | |
| 2 | BUS | BUSINESS | 74-29 | N6071J | K78B | FL | VERO BEACH |
| 3 | TWA | TRAVEL WORLD AIRLINES | 40-40 | N6111 | 6885 | MS | GENERAL MT |
| 4 | MWA | NORTHWEST AIRLINES | DC-9-30 | N622 | 89VA | VA | NASHVILLE IN |
| 5 | ESP | AMERICAN EAGLE AIRLIN | 5A8-345 | N202DQ | K78B | TX | THUR POLAR |
| 6 | LAK | LAKONOH | 74-29 | UNK | CCDR | CA | SUCHANNA R |
| 7 | PVT | PRIVATELY OWNED | 74-32 | N0405W | KP52 | IN | ROSTRAER |
| 8 | LAK | LAKONOH | UNKNOW | KPVD | 23 | IN | THEODORE F |
| 9 | DAL | DELTA AIR LINES | 9-121-305 | N204VA | K3LC | UT | SALT LAKE CI |
| 10 | TWA | TRAVEL WORLD AIRLINES | 40-40 | N6227W | K2BN | CO | DENVER INTL |
| 11 | AMX | AMERICAN AIR (see AIRBORNE I | DC-9-30 | N6084A | UNK | UNKNOW | |
| 12 | EXX | EXECUTIVE AIRLINES | 474-72 | N265AT | UNK | UNKNOW | |
| 13 | AAL | AMERICAN AIRLINES | 9-121-800 | N943VA | KPOL | IN | SPINDLEY APT |
| 14 | UAL | UNITED AIRLINES | 9-121-205 | N771UA | UNK | UNKNOW | |
| 15 | AMX | AMERICAN AIR (see AIRBORNE I | DC-9-30 | N6734Z | UNK | UNKNOW | |
| 16 | EJW | EXECUTIVE JET AIRCRAFT | C-400 | N790 | 031 | VT | YOUNGSTOWN |
| 17 | EDF | AMERICAN EAGLE AIRLIN | K78-42 | N34U | 8 | MS | LISS BUNGE |
| 18 | UAL | UNITED AIRLINES | 9-121-209 | N987UA | KPND | MS | SENO DARGE |
| 19 | BUS | BUSINESS | LEASLET-50 | N65LJ | K7VC | MS | CHERRY CAP |
| 20 | BUS | BUSINESS | 74-21 N344CJ | N742B | KHQR | MS | HAGERSTOWN |
| 21 | AAL | AMERICAN AIRLINES | 40-40 | N493QA | KLSR | MS | LARGARDA R |
| 22 | UAL | UNITED AIRLINES | 9-121-209 | N666UA | KCRD | IL | CHICAGO OH |
| 23 | AAL | AMERICAN AIRLINES | 9-121 | N493QA | KUPR | VA | JOHN F KENN |
| 24 | ESP | AMERICAN EAGLE AIRLIN | 5A8-345 | N204VZ | K3LL | TX | EASTERWOOD |
| 25 | UAL | UNITED AIRLINES | 9-121-209 | N622UA | KCRD | CO | DENVER INTL |
| 26 | UAL | UNITED AIRLINES | A-320 | N205UA | K3LD | CO | DALLAS INTL |
| 27 | TWA | TRAVEL WORLD AIRLINES | 40-40 | N6227W | K2BN | CO | DENVER INTL |



- A platform for engagement
 - A rich social experience around data that promotes participation and gives people a voice
 - Provide ratings and comments that can be shared over social media
 - Recommend datasets and participate in communities
 - Powerful visualizations
 - Create a filtered view, a map, or a chart that represents what they're interested in

Sharing Data on Blogs and Social Networks

- Data tells stories that people care about
- Embed data on blogs and web sites
- Embed a dataset or view of a dataset on any webpage
- Bring data to where people are having conversations

Sam Stein
stein@huffingtonpost.com | HuffPost Reporting

White House Releases Visitors List; Help Us Look Through It

First Posted: 10-30-09 05:17 PM | Updated: 03-18-10 05:12 AM

WHAT'S YOUR REACTION? Search HuffPost

Important Funny Typical Scary Outrageous Amazing Innovative Finally

Read More: [HuffPost Readers](#), [Sort Through](#), [White House List](#), [White House Visitor List](#), [White House Visitors](#), [Politics News](#)

White House Visitor f

Socrata Social Data Play

White House Vs

| | NAME |
|----|----------|
| 9 | JHMADR |
| 10 | ALEXAND |
| 11 | ALEXAND |
| 12 | ALQAHTAN |
| 13 | AMBER |
| 14 | ANELLO |
| 15 | ATHENS |
| 16 | ATKINS |
| 17 | ATKINS |
| 18 | ATKINS |
| 19 | ATKINS |
| 20 | ATKINS |
| 21 | ATKINS |
| 22 | ARAGARY |
| 23 | ARR |
| 24 | ARR |
| 25 | ART |
| 26 | ART |

Totals:

Powered by Socrata

White House Visitor Records Requests

| | NAMELAST | NAMEFIRST | NAMEMID | UIN | BI |
|----|-----------|-----------|---------|--------|---------|
| 3 | PICKENS | THOMAS | B | U89267 | 7 |
| 4 | ACHENBACH | KAY | L | U68142 | 7 |
| 5 | AGARWAL | ARTI | | U68309 | |
| 6 | AHLSTRAND | AMANDA | | U67442 | |
| 7 | AHMAD | AHMAD | A | U68155 | 0 |
| 8 | AHMADREDA | IYAD | | U68155 | 0 |
| 9 | AHMADREDA | KINDAH | | U68155 | 0 |
| 10 | ALEXANDER | EILEEN | G | U68352 | 7 |
| 11 | ALEXANDER | MIKAYLA | R | U68352 | 75309.0 |
| 12 | ALQAHTANI | CATHY | | U68000 | 71625.0 |
| 13 | AMBER | BUCK | | U68362 | 75332.0 |

More Views
Filters, Charts, and Maps

Download
Download in various formats

Discuss
Discuss this Dataset

Embed
Embed this player on your site

API
Access this Dataset via SODA

Print
Print this dataset

An Official Web Site of the United States Government Tuesday, March 29, 2011 Text: A* A* A Share

DATA.GOV EMPOWERING PEOPLE

HOME DATA TOOLS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

REGIONAL OECD DATABASE

The OECD regional database features a set of comparable statistics on about 2,000 regions in the 34 OECD countries, on topics such as population and migration, economic output, education levels, employment opportunities and intensity of knowledge-based activities. This database offers a snapshot of how life is lived – and can be improved – from region to region in the OECD area.



Earthquake and Tsunami Datasets and Information

- Worldwide M1+ Earthquakes, Past 7 Days
- RadNet Map Interface for Near-Real-Time Radiation Monitoring Data
- Search other related datasets
- World Earthquake Interactive Map Demo

SEARCH OUR CATALOGS

 SEARCH

DATA AND APPS



- 379,931 raw and geospatial datasets
- 936 government apps
- 236 citizen-developed apps
- 172 agencies and subagencies
- Suggest a dataset or app!
- Coming soon: 2011 Next Generation Data.gov is interactive, exploratory, and social.

MORE >

COMMUNITIES



Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the discussions by going to communities below that interest you.

OPEN DATA SEMANTICWEB
HEALTH LAW

MORE >

OPEN GOVERNMENT



March 13-19, 2011, Sunshine Week, focused on open government and freedom of information. Data.gov introduced the Law data.gov community and Data.gov in the Classroom. Stay tuned for more new initiatives!

What's coming up on Data.gov? Check out Sonny's blog.

MORE >

LEARN



Are you a teacher, professor, or student? Young people across America are learning about Data.gov and we want you to be part of getting data into the classroom.

See what teachers are doing, share a lesson plan, showcase an app. Learn what's going on in classrooms today!

MORE >

SEMANTIC WEB



As the Web of linked documents evolves to include the Web of linked data, we're working to maximize the potential of Semantic Web technologies to realize the promise of Linked Open Government Data. We and our collaborators at the Tetherless World Constellation at the Rensselaer Polytechnic Institute are helping to lead the way in this exciting area!

MORE >

DEVELOPER'S CORNER



Are you interested in sharing your mashups, apps, and ideas? Do you want to learn how to create app and mashups with some of the data hosted here on Data.gov? Whether you are here to share, learn, collaborate, or innovate—you've come to the right place.

Look at these great government mobile apps and help us to develop more!

MORE >

About | FAQ | Contact Info | Data Policy | Accessibility | Privacy Policy | Sitemap

DATA.GOV

DATA.GOV EMPOWERING PEOPLE

Search our catalogs... SEARCH

HOME DATA TOOLS COMMUNITY METRICS DIALOGUE

APPS SHOWCASE

With so much government data to work with, developers are creating a wide variety of applications, mashups, and visualizations. From crime statistics by neighborhood to the best towns to find a job to seeing the environmental health of your community – these applications arm citizens with the information they need to make decisions every day. Enjoy these highlights of the hundreds of applications available.



OPEN DATA

Search This Community... SEARCH

COMMUNITY HOME BLOGS FORUMS

Communities > Open Data

Forum Listing

Mark All Read

| Forum | Topics | Posts | Last post |
|--|--------|-------|---------------------------------------|
| International Open Government Data Conference 2010 | 1 | 3 | by Jeanne Holm 2010-11-17 15:31 |
| Best practices - who's doing what? | 2 | 10 | by Brand Niemann 2010-11-24 05:27 |
| Security and openness: what's the balance? | 1 | 1 | by Jeanne Holm 2010-11-15 05:56 |
| Policies for international data sharing | 3 | 6 | by Mark Martin 2010-11-22 13:34 |
| Exploring semantic technologies | 1 | 2 | by Brand Niemann 2010-11-25 03:57 |
| Accessing and finding data | 4 | 10 | by David Hamfly 2010-11-18 20:54 |
| Finding your way with geospatial data and apps | 1 | 6 | by Brand Niemann 2010-11-25 03:51 |
| The business behind open data - value and measurements | 1 | 1 | by Jeanne Holm 2010-11-15 09:23 |
| Growing your data community | 2 | 4 | by Brand Niemann 2010-11-25 03:37 |
| Standards: Do we adopt or create? | 1 | 6 | by Ruth del Campo 2010-11-18 09:11 |

Active group topics

- Creating Value Added Functionality and Applications Through Mashups**
1 comment | Last comment 1 week ago
- Converting data to decisions**
5 comments | Last comment 1 week ago
- How do we grow into sustainable communities of practice?**
2 comments | Last comment 1 week ago
- Calling all great examples of open government data**
8 comments | Last comment 1 week ago
- Integrating Data Across the Globe**
3 comments | Last comment 2 weeks ago

more

Open Communities for Discussing Trends and Topics

An Official Web Site of the United States Government | Tuesday, January 18, 2011 | Text: A- A+ A | Share

DATA.GOV / HEALTH | Login | Sign Up

WELCOME TO THE HEALTH DATA COMMUNITY

You've found a public resource designed to bring together high-value datasets, tools, and applications using data about health and health care to support your need or better knowledge and to help you to solve problems. These datasets and tools have been gathered from agencies across the Federal government with the goal of improving health for all Americans. Check back frequently because the site will be updated as more datasets and tools become available.

[VIEW MORE](#)

HEALTH INDICATORS WAREHOUSE

[Home](#) | [Devel](#) | [Data/Tools](#) | [Apps Expo](#) | [Other Data Sites](#) | [Blogs](#) | [Forums](#) | [SEARCH](#)

Data.gov » All Communities

Challenges



Pellentesque libero mauris, mollis at sollicitudin ut, mattis in lorem. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Sed lobortis congue elementum. Pellentesque elit tortor, feugiat eu iaculis et, porttitor at turpis! Vivamus vehicula nibh vel massa elementum blandit.

What's New



Learn about our newest high-value datasets.

- [ClinicalTrials.gov: linking patients to medical research](#)
- [Genetics home reference](#)
- [MedlinePlus Health Topic Web Service](#)
- [PubChem](#)

Recent Blog Post



Test bloh 17jan 15:16 V4

Posted on: 1/17/2011
Test bloh 17jan 15:16 V4

- Join in the community discussions about open data and semantic technologies at <http://www.data.gov/opendata>
 - Twitter at @usdatagov
- If you are interested in a specific type of data let us know!

Community Sites...Stay Tuned

OPEN DATA

COMMUNITY HOME | BLOGS | EDIT | FORUMS

Search This Community... SEARCH

Welcome to the Open Data Community!

Congratulations on becoming part of the movement to open and share data from governments across the world! This community bridges policy makers, technologists, data owners, and citizens—each of us wants to get information to people who need to make decisions each day. As a member of this open data community, you can help to make this happen. Make recommendations on data that should be shared. Create an app or mashup that makes that data understandable. Share your views on what the policies should be for making government more transparent. Together we can make a difference in our own nations and to help improve the quality of life for people across the planet. Join in the discussions below.

Forums

- Best practices - who's doing what?
- Security and openness: what's the balance?
- Policies for international data sharing
- Exploring semantic technologies
- Accessing and finding data
- Finding your way with geospatial data and apps
- The business behind open data - value and measurements
- Growing your data community
- Standards: Do we adopt or create?

Most Recent Blog

It's All About the Data...

Posted on 11/17/2010 by Sanjeev "Sonny" Bhagowala

6 **0** I am entering the "Blog-o-Sphere" with Data.gov. Hello! My name is Sanjeev "Sonny" Bhagowala and I am a Senior Program Executive in the U.S. General Services Administration (GSA). I support the Federal CIO's key program initiatives such as the Federal Data Center Consolidation, Government Collaboration Program, and the Government Directive (OGD). As Senior Program Executive, I'm in charge of this space about the Data.gov program—OMB's flagship program.

US Data Gov
usdatagov

RT @foodtechconnect: Semantic Web Meets Food Web: Hacking on Open Food System Data featuring @dfirad @usdatagov http://bit.ly/gxSTpp #... 8 days ago

RT @foodtechconnect: #foodtech hackers: @JamesHelm data.gov evangelist wants to know what data is most helpful & explore app options w... 4 days ago

It's a great day for #opendata around the world! Join in an event for International Open Data Day: http://bit.ly/bDMkIE #IOGDC #opengov

DATA.GOV

Communities

Welcome to the Data.gov Communities page! Here you'll find resources on a wide range of topics and the opportunity to share your interests and passions with others. We're building new communities all the time so come back often and join the conversation!

Open Data Semantic Web Health

CONGRATULATIONS ON BECOMING PART OF THE MOVEMENT TO OPEN AND SHARE DATA FROM GOVERNMENTS ACROSS THE WORLD! THIS COMMUNITY BRIDGES POLICY MAKERS, TECHNOLOGISTS, DATA OWNERS, AND CITIZENS—EACH OF US WANTS TO GET INFORMATION TO PEOPLE WHO NEED TO MAKE DECISIONS EACH DAY. AS A MEMBER OF THIS OPEN DATA COMMUNITY, YOU CAN HELP TO MAKE THIS HAPPEN. MAKE RECOMMENDATIONS ON DATA THAT SHOULD BE SHARED. CREATE AN APP OR MASHUP THAT MAKES THAT DATA UNDERSTANDABLE. SHARE YOUR VIEWS ON WHAT THE POLICIES SHOULD BE FOR MAKING GOVERNMENT MORE TRANSPARENT.

As the Semantic Web (sometimes called Web 3.0) emerges, the US government is pleased to be in the vanguard of this new technology space. To this end, Data.gov is hosting demonstrations and documents that will help familiarize Data.gov users with this new technology, and that will let citizens and developers work with the government in creating a new generation of "mixed data" mash ups.

A public resource designed to bring together high-value datasets, tools, and applications using data about health and health care to support your need for better knowledge and to help you to solve problems. These datasets and tools have been gathered from agencies across the Federal government with the goal of improving health for all Americans. Check back frequently because the site will be updated as more datasets and tools become available.

Law

RESTORE THE GULF

The Law Data Community gives you access to legal data from across the Executive Branch in the form of administrative decisions, case filings, legal interpretations and agency directives. The community provides a wealth of datasets of value to legal professionals, researchers, the business community and the general public. Legal authorities covering a range of topics such as transportation, health, energy, education, public safety, housing and many others are available. In addition, advisory opinions and interpretations by agency general counsels provide insight into agencies' current positions on the statutes and regulations they enforce. We hope that this community will be a resource to assist you in the study and understanding of how legal authorities are issued and interpreted by Federal agencies. Please come back often as additional resources in new topics are added.

Restore the Gulf integrates data from the Department of Energy (DOE), the Environmental Protection Agency (EPA), the National Oceanic and Atmospheric Administration (NOAA), the Department of the Interior (DOI), and the states of Florida and Louisiana related to the 2010 Gulf of Mexico oil spill, its effects, and the cleanup effort.

Community

Restore the Gulf ✓

Open Data ✓

Semantic Web ✓

Health ✓

Law ✓

Education

Energy

Developers

Foreign trade products

Human rights

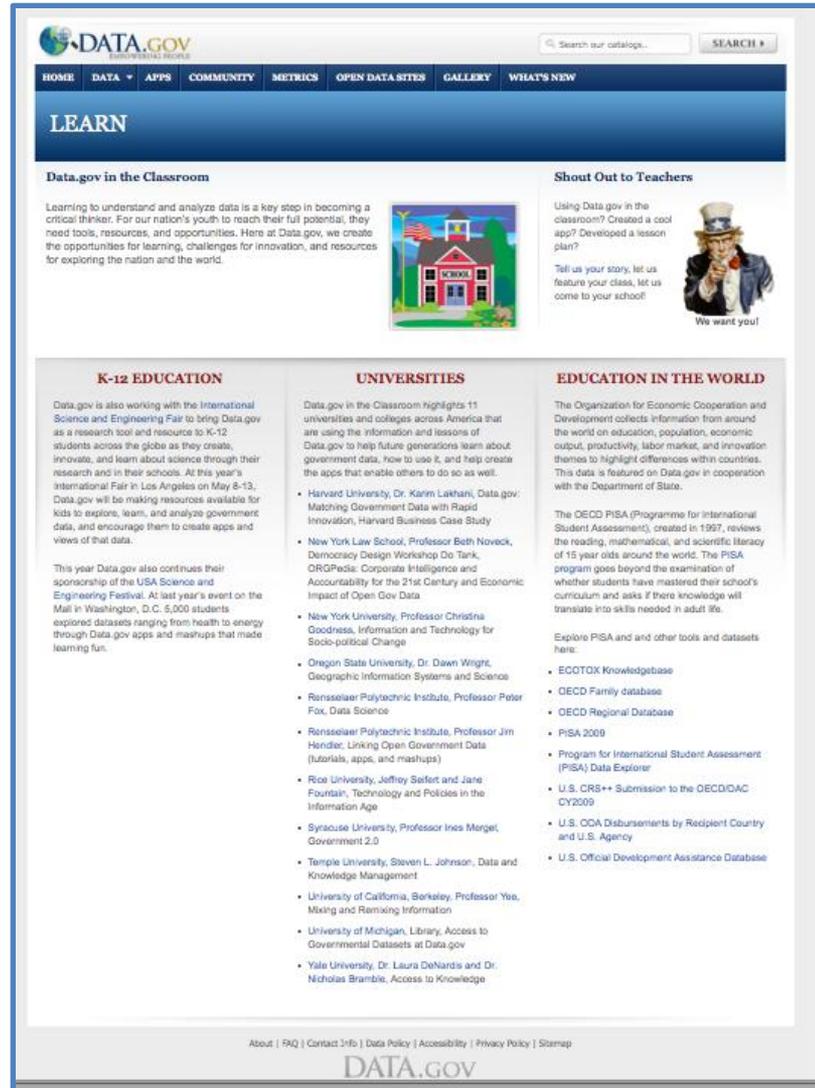
Climate

Marine and coastal

Finance and Consumer

Open data research

- Resources for students and teachers
- Examples of how data is being used to develop apps
- Lesson plans and videos
- Showcase your science fair project that uses government data!



The screenshot shows the Data.gov website interface. At the top, there is a search bar and navigation tabs for HOME, DATA, APPS, COMMUNITY, METRICS, OPEN DATA SITES, GALLERY, and WHAT'S NEW. The main heading is "LEARN".

Data.gov in the Classroom

Learning to understand and analyze data is a key step in becoming a critical thinker. For our nation's youth to reach their full potential, they need tools, resources, and opportunities. Here at Data.gov, we create the opportunities for learning, challenges for innovation, and resources for exploring the nation and the world.



Shout Out to Teachers

Using Data.gov in the classroom? Created a cool app? Developed a lesson plan? Tell us your story, let us feature your class, let us come to your school!



We want you!

K-12 EDUCATION

Data.gov is also working with the International Science and Engineering Fair to bring Data.gov as a research tool and resource to K-12 students across the globe as they create, innovate, and learn about science through their research and in their schools. At this year's International Fair in Los Angeles on May 8-13, Data.gov will be making resources available for kids to explore, learn, and analyze government data, and encourage them to create apps and views of that data.

This year Data.gov also continues their sponsorship of the USA Science and Engineering Festival. At last year's event on the Mall in Washington, D.C. 5,000 students explored datasets ranging from health to energy through Data.gov apps and mashups that made learning fun.

UNIVERSITIES

Data.gov in the Classroom highlights 11 universities and colleges across America that are using the information and lessons of Data.gov to help future generations learn about government data, how to use it, and help create the apps that enable others to do so as well.

- Harvard University, Dr. Karim Lashani, Data.gov: Matching Government Data with Rapid Innovation, Harvard Business Case Study
- New York Law School, Professor Beth Noveck, Democracy Design Workshop Do Tank, ORGPedia: Corporate Intelligence and Accountability for the 21st Century and Economic Impact of Open Gov Data
- New York University, Professor Christina Goodness, Information and Technology for Socio-political Change
- Oregon State University, Dr. Dawn Wright, Geographic Information Systems and Science
- Rensselaer Polytechnic Institute, Professor Peter Fox, Data Science
- Rensselaer Polytechnic Institute, Professor Jim Hendler, Linking Open Government Data (tutorials, apps, and mashups)
- Rice University, Jeffrey Selfert and Jane Fountain, Technology and Policies in the Information Age
- Syracuse University, Professor Ines Merget, Government 2.0
- Temple University, Steven L. Johnson, Data and Knowledge Management
- University of California, Berkeley, Professor Yee, Mixing and Remixing Information
- University of Michigan, Library, Access to Governmental Datasets at Data.gov
- Yale University, Dr. Laura DeNardis and Dr. Nicholas Bramble, Access to Knowledge

EDUCATION IN THE WORLD

The Organization for Economic Cooperation and Development collects information from around the world on education, population, economic output, productivity, labor market, and innovation themes to highlight differences within countries. This data is featured on Data.gov in cooperation with the Department of State.

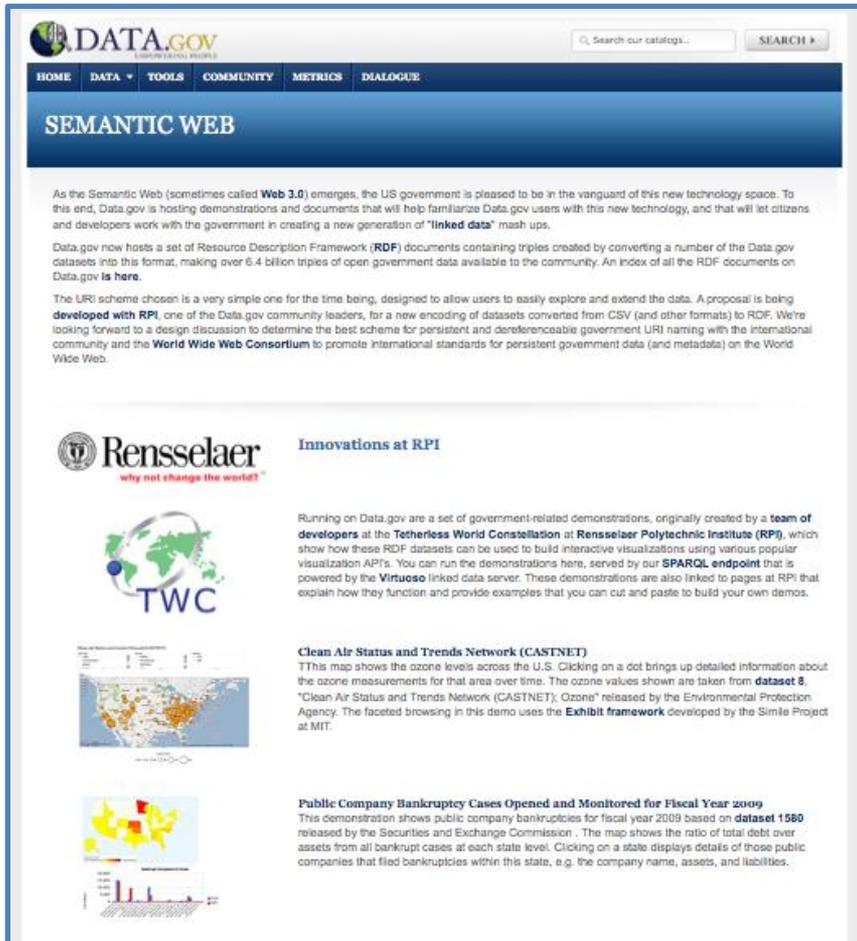
The OECD PISA (Programme for International Student Assessment), created in 1997, reviews the reading, mathematical, and scientific literacy of 15 year olds around the world. The PISA program goes beyond the examination of whether students have mastered their school's curriculum and asks if their knowledge will translate into skills needed in adult life.

Explore PISA and other tools and datasets here:

- ECOTOX Knowledgebase
- OECD Family database
- OECD Regional Database
- PISA 2009
- Program for International Student Assessment (PISA) Data Explorer
- U.S. CRS++ Submission to the OECD/OAC CY2009
- U.S. OCA Disbursements by Recipient Country and U.S. Agency
- U.S. Official Development Assistance Database

At the bottom of the page, there are links for About, FAQ, Contact Info, Data Policy, Accessibility, Privacy Policy, and Sitemap, along with the Data.gov logo.

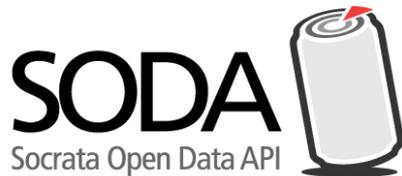
Semantic Technologies



The screenshot shows the Data.gov Semantic Web page. At the top, there is a search bar and navigation tabs for HOME, DATA, TOOLS, COMMUNITY, METRICS, and DIALOGUE. The main heading is "SEMANTIC WEB". Below this, there is introductory text about the Semantic Web (Web 3.0) and how Data.gov is hosting demonstrations. Three specific demonstrations are highlighted: "Innovations at RPI" (Tetherless World Constellation), "Clean Air Status and Trends Network (CASTNET)", and "Public Company Bankruptcy Cases Opened and Monitored for Fiscal Year 2009". Each demonstration includes a small image or map and a brief description of the data and visualization.

- Provides developers the tools and raw data formats to develop new capabilities
- Close partnership with Rensselaer Polytechnic Institute
- Connected to other open data efforts across the world





```
Welcome to the Socrata console. Type help for help.
socrata-get("/views/vedg-c5sb/rows.json?max_rows=1")
{
  meta: {
    view: {
      id: "vedg-c5sb",
      name: "2010 Report to Congress on White House Staff",
      averageRating: 20,
      category: "Government",
      copyCount: 0,
      createdAt: 1278817457,
      lastOpenDate: 1279431096,
      numberOfComments: 7,
      oid: 301551,
      rowsUpdatedAt: 1278026248,
      rowsUpdatedBy: "bhnt-ut+2",
      tableId: 243173,
      totalTimesRated: 4,
      viewCount: 866554,
      viewLastModified: 1278620651,
      viewType: "tabular",
      columns: [
        {
          id: -1,
          name: "sid",
          type: "text",
          width: 100,
          isPrimary: true
        }
      ]
    }
  }
}
```

| | | | | |
|----------------|----------------------|----------|-----------------|-----------|
| 1 | Abino, James | Employee | | |
| 5 | Aldy, Jr., Joseph E. | Employee | | |
| 6 | Alley, Hilary J. | Employee | | |
| 7 | Amorsingh, Lucius L. | Employee | | |
| 8 | Anderson, Amanda D. | Employee | | |
| 9 | Anderson, Charles D. | Employee | | |
| 10 | Andrias, Kate E. | Employee | | |
| 11 | Anello, Russel M. | Employee | | |
| 12 | Asen, Jonathan D. | Employee | \$42,000.00 | Per Annum |
| Totals: | | 469 | \$38,796,307.00 | |

More Views
Filters, Charts, and Maps

Download
Download in various formats

Comments
Read comments on this dataset

Embed
Embed this player on your site

API
Access this Dataset via SODA

Print
Print this dataset

About the Socrata Social Data Player

API for Advanced Applications

- A common API for all datasets and Agency datasites (data catalogs)
- An open, standards-based, non-proprietary API implementation built on web-based RESTful architecture
- Consistent high-performance throughput of up to 500,000 requests per hour
- Support for advanced operations such as filtering and sorting

- Availability of data + frequency of release and updates
 - Making data easier to publish
 - Automating updates/maintenance
 - Should result in more high-value data
- Data that's easy to find
- Support for multiple formats
- Ability to visualize data
- Ability to embed live data on your site or blog
- Using the API to populate other Apps

The Path Ahead

- Bring data up and out of agencies into the public eye
- Make data accessible in a variety of formats, and through visualizations and tools
- Create communities to understand and apply data
- Connect and collaborate with small businesses, industry, and academia to drive innovation
- Share with other governments (local, state, tribal, and international) to understand global issues

Data is the flint for the next 25 years

Ray Ozzie, Chief Software Architect, Microsoft

***Let's work together to set the
data free!***

www.data.gov

**jholm@jpl.nasa.gov
[@JeanneHolm](https://twitter.com/JeanneHolm)**