Open Data

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FY2015 Quarter 4

Overview

Goal Statement

- o Fuel entrepreneurship and innovation, and improve government efficiency and effectiveness by unlocking the value of government data and adopting management approaches that promote interoperability and openness of these data.

Urgency

- o Open data from the U.S. Government is an important national resource, serving as fuel for entrepreneurship, innovation, scientific discovery, and data driven policymaking. Making information about government operations more readily available is also core to a more efficient, transparent, participatory, and collaborative government.

Vision

- o Make open and machine-readable the new default for all government information and strengthen the open data ecosystem to fuel innovation and economic growth.

Progress Update

Policy

- **Project Open Data Dashboard Leading Strategy Indicators Rubric Updated.** To provide more clarity and transparency to Agencies and the public, OMB updated the [Leading Strategy Indicators Rubric](#) on the [Project Open Data Dashboard](#) detailing the criteria for "Green," "Yellow," "Red," and "Best Practices" designations based on Open Data CAP goal key indicators.

- **Project Open Data Dashboard Reviews.** As is done each quarter, the White House Office of Management and Budget has evaluated each agency on their Open Data Policy progress on the [Project Open Data Dashboard](#). The White House applauds the Departments of Agriculture, and Veterans Affairs, the Social Security Administration, and U.S. Agency for International Development for achieving "green" (highest level possible) scores for all performance indicators for the February through May milestone.

- **No new requirements.** Agencies will continue to enrich their metadata by: (1) Ensuring all public domain and open license information is properly documented. See more details at: https://project-open-data.cio.gov/open-licenses/ (2) Ensuring all public, restricted public, and non-public APIs are properly documented See more details at https://project-open-data.cio.gov/v1.1/api/. (3) Ensuring all appropriate data assets are grouped as collections. See more details at:: https://project-open-data.cio.gov/v1.1/collections/

Tools & Collaboration

- **Open Government National Action Plan and Global Summit.** On October 27th to 29th, the Federal Government participated in the international [Open Government Partnership Global Summit](#) in Mexico and announced the 3rd Open Government National Action Plan, including the following interagency open data commitments for the coming years: Advance Open Science through Increased Public Access to Data, Research, and Technologies; Encourage Increased Public Participation in Open Science Using Low-cost Scientific Instruments; Develop National Open Data Guidelines; Promote Public Feedback Tools to Facilitate the Release of Open Data; and Collaborate with Citizen and Global Cartographers in Open Mapping.

- **Distributed Open Unified Government Network.** The Department of Energy and the State Department have created an [open source open standards based framework](#) using CKAN and Geonode that provides additional geospatial formats and is compatible with the Open Data Policy metadata requirements.

Progress Update

Fueling the Ecosystem

The White House and the agencies continue to catalyze action, highlight success stories, and get important feedback through a series of events and well-designed prizes. Efforts include:

- o Data Jams: **Brainstorming workshops** with innovators and data owners.

  - o On September 18th to 19th the State Department hosted the Global Goals for Sustainable Development Community Data Event as the first of a series of gatherings that will take place across the globe to solve data gaps for the Global Goals, leading up to a summit on the Data Revolution.

- o Datapaloozas: **High-profile summits** to highlight open data progress.

  - o On October 30th the White House Office of Science and Technology Policy, the U.S. Department of Transportation, the Consumer Product Safety Commission, the U.S. Department of Agriculture, the U.S. Department of Health and Human Services, the U.S. Department of the Interior, the U.S. Department of Homeland Security, the U.S. Department of Labor, and the U.S. Department of Justice hosted the third annual Safety Datapalooza.

- o Hackathons: 24-72 hour **code-a-thons** to build working prototypes.

  - • On October 16th GSA organized a Digital Innovation Hackathon to enhance the current GHG data reduction visualizations to include other variables such as diesel, hybrid, and electric vehicles.

  - • On October 16th USGS organized a weekend GeoViz Hackathon to celebrate Earth Science Week. At the event attendees created data visualizations according to three core themes: Energy, Minerals, and Environmental Health.

- o **NEW: See more events at Data.gov/Events**

- o Incentive prizes: **small dollar prizes to encourage creative use of our data.**

Action Plan Summary

Sub-Goal	Major Actions to Achieve Impact	Key Indicators
I. Fuel economic growth and Innovation	• Ensuring the continued release and improvement of high priority datasets (e.g. data sets identified as part of the U.S. Open Data Action Plan, high value data assets identified by the public, etc.) • Fueling the external open data ecosystem and feedback cycle (e.g. Data Jams, Datapaloozas, code-a-thons, incentive prizes, roundtables, etc.) • Developing central tools and support for agencies and innovators (e.g. Project Open Data, data.gov, API management tools, etc.)	**Increase in external organizations using open government data, as indicated by:** • Usage statistics from Data.gov • Passive identification by agencies (repeat visitors to agency data website) • Proactive identification by agencies (organizations that cite government data usage) • Reports from data.gov/impact/ **Increased value and outcomes for external entities using government data** • Survey top 5 external data users to understand the value, use, and impact of government data, including job creation, and how agencies can improve the usability of their data.

Action Plan Summary (cont.)

Sub-Goal	Major Actions to Achieve Impact	Key Indicators
II. Make open and machine-readable the new default for all government information	Implementing the Open Data Policy & Executive Order at each agency: • Develop and maintain an enterprise data inventory • Make data discoverable to the public • Prioritize and release valuable data through public engagement • Prevent inappropriate disclosure of sensitive information • Assign roles and responsibilities to strengthen the culture of data management	**Develop and maintain an Enterprise Data Inventory** • % of bureaus and programs in the agency which have data sets represented in the Enterprise Data Inventory. • Y/N — Inventory includes data sets posted to the agency website, addressed System of Record Notices (SORNs) or Privacy Impact Assessments (PIAs), and any purchased data sets? **Make data discoverable to the public** • % of data sets included in the Public Data Listing that have a downloadable URL where the public can access the data. • % of agencies reaching 100% valid metadata. • Y/N – Inventory contains data sets released through FOIA. • % of agencies reaching metadata quality goals (working URLs, file format matches metadata, machine-readable). **Prioritize and release valuable data through public engagement** • Existence of a transparent two-way feedback mechanism. **Prevent inappropriate disclosure of sensitive information** • Agency privacy review processes align with Administration policies. **Assign roles and responsibilities to strengthen the culture of data management** • Is there a Chief Data Officer, Chief Technology Officer, or other senior staff position assigned responsibility for data management and release? • Agencies publicly assign points of Contact for Open Data issues.

Work plan

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
Integrate CAP goal KPIs into the E-gov Integrated Data Collection	6/2014	Complete and ongoing	OMB	Open Data Policy requirements continue to be included in the Integrated Data Collection: https://community.max.gov/pages/viewpage.action?pageId=658905902
Launch series of Open Data Roundtables through NYU's GovLab to connect companies from the Open Data 500 with agency data owners	6/2014	Complete	OSTP	Several successful roundtables have been hosted with key agencies including the Department of Commerce and USDA. See White House Blog for details.
Launch new metadata validator tool	7/2014	Complete	GSA	Completed and available at http://labs.data.gov/dashboard/validate
GSA and OMB develop integrated dashboard for agency KPIs	7/2014	Complete	GSA & OMB	Completed and available at http://labs.data.gov/dashboard/offices
Release "Hacks, Jams and 'Paloozas" handbook for agencies	8/2014	Complete	OSTP	Completed and available at https://project-open-data.cio.gov/engagement/
Improve automated Data.gov harvesting of agencies' Public Data Listing	8/2014	Complete	GSA	Completed and available at https://catalog.data.gov/harvest and http://labs.data.gov/dashboard/offices
Update Project Open Data Dashboard to add agency-reported open data use and impact information and include validations for metadata quality and machine readability	12/2014	Complete	OMB & GSA	Completed and available at: http://labs.data.gov/dashboard/offices Use and impact information was added 12/2014 and Donut charts reflecting Inventory Composition, Public Dataset Status, and Dataset Link Quality were added on 2/2015.
Issue an updated metadata v1.1 that aligns with international standards	12/2014	Complete	OMB & OSTP	Complete and available at: https://project-open-data.cio.gov/catalog/#version-11-update
Host 8 API & data usability testing programs	12/2014	Complete	GSA	Completed and documented at https://18f.gsa.gov/tags/api/, https://18f.gsa.gov/dashboard/project/api-data-gov/

Work plan (cont.)

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
Disseminate best practices through Open Data Dashboard	12/2014	Complete	OMB	Completed and available at http://labs.data.gov/dashboard/offices (see stars)
Ensure all agencies are using metadata v1.1	2/2015	Complete	OMB, Agencies	Completed and available at http://labs.data.gov/dashboard/offices (see current Validation percentages)
Refresh Open Data CAP Goal with metrics on metadata quality and machine readability	2/2015	Complete	OMB	Completed and included in CAP Goal quarterly progress updates, see: http://www.performance.gov/content/open-data?view=public#progress-update
Hold accessibility hackathon	3/2015	Complete	OSTP, GSA, Education	See White House Blog for details.
Agencies publish their 2/28/15 Enterprise Data Inventories (EDI) on Data.gov; explore options for routine release of EDIs	5/2015	Ongoing	OMB, Agencies	As of May 31, all agencies are required to include information on non-public data in their PDL. DOD, DHS, DOJ, and the Department of State have failed to supply their "restricted public" and "non-public" dataset metadata as required by the last three quarterly IDCs and pursuant to a still outstanding OMB FOIA request by the Sunlight Foundation.
Incorporate refreshed Open Data CAP Goal metrics into PortfolioStat sessions	5/2015	Ongoing	OMB	Open data metrics are included in PortfolioStat sessions as appropriate.
Agencies include licensing information in their PDL for all public datasets.	8/2015	Ongoing	OMB, Agencies	As of May 31, all agencies are required to include licensing information in their EDI. As of November 30th, 68% of CFO-Act Agency datasets include licensing information. Ed, HHS, DHS, HUD and State have failed to proactively label their datasets with licensing information.

Work plan (cont.)

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
High level datasets identified through the US Open Data Action Plan released on schedule	8/2015	Partially Complete	OSTP	About half of the 44 datasets included in the action plan appear to be released in accordance with the plan. Follow up is needed to confirm all data has been released in the correct format and public domain/license and to ensure all of this data is being harvested by Data.gov.
Publish the third Open Government National Action Plan by October 31, 2015	10/2015	Complete	OSTP	Complete and available at: https://www.whitehouse.gov/sites/default/files/microsites/ostp/final_us_open_government_national_action_plan_3_0.pdf
Schedule 8 additional roundtables	12/2015	On Track	OSTP	See White House Blog for details.
Nominate a Senior Leader from an agency to co-lead the Open Data CAP Goal	10/2015	Complete	DDM	Completed (DOT's Victor Mendez was selected) and included in CAP Goal quarterly progress updates, see: http://www.performance.gov/content/open-data?view=public#progress-update
Set up quarterly Goal Leader meetings	Ongoing	On Track	PIC, OMB	A deep dive is scheduled for early 2015.
Develop a more compelling value proposition for all Agencies to engage on Open Data	12/2015	On Track	DDM, OMB, CIOC	Open Data team is working with key Agency leaders to develop a proposed "business case" for open data
Focused outreach to top 5 Agencies	12/2015	On Track	OMB, CIO/CDO	OMB has selected agencies for focused outreach, next steps include Senior level outreach and agency action plan and goals
Reframe CAP goal to prioritize information management	11/2015	Partially Complete	OMB, CIOC	OMB is conducting Data Governance out reach and research, updated goals and metrics are still needed
Update Project Open Data Dashboard to include all government-wide CAP metrics and vice versa	1/2016	On Track	OMB, GSA	Updates can be tracked here: https://github.com/project-open-data/project-open-data-dashboard/issues

Work plan (cont.)

Milestone Summary				
Key Milestones	Milestone Due Date	Milestone status	Owner	Anticipated Barriers or other Issues Related to Milestone Completion
Update the Project Open Data Dashboard to include graphs of trends over time	Spring 2016	On Track	OMB, GSA	Update progress can be tracked here: https://github.com/project-open-data/project-open-data-dashboard/issues
Update the Project Open Data site with additional geospatial data guidance	Spring 2015	On Track	OMB, GSA	Update progress can be tracked here: https://github.com/project-open-data/project-open-data-dashboard/issues
Open Government Showcase during Sunshine Week on March 16, 2016	March 2016	On Track	OSTP	
Host interagency roundtables to develop National Open Data Guidelines	Spring 2016	On Track	OSTP	
Publish updated agency Open Government Plans with open data goals	June 2016	On Track	OSTP	
Manage Open Data Working Group	On-going	Complete and ongoing	OMB & OSTP	See https://project-open-data.cio.gov/working-group/.
Host Open Data Co-Working Sessions for agencies	On-going	Complete and ongoing	GSA	Ad hoc co-working sessions take place as needed.

Key indicators (cont.)

	Key Implementation Data						
Sub-Goal	Indicator	Source	Baseline	Target?	Frequency	Latest data	Trend
I. Fuel economic growth and innovation	Demonstrated value and outcomes for external entities using government data	Agencies IDC Data.gov	Q1 FY15 (updated quarter to quarter)	N/A	Quarterly	In November 2015, 92% of agencies reported qualitative "impact" answers, the same as last quarter.	--
	% increase in usage statistics on data views from Data.gov	Data.gov	Q1 FY15 (updated quarter to quarter)	TBD	Quarterly	Views in Q4 FY15: 401,306 Views in Q3 FY15: 368,726 Percent growth: 9%	↑
	% of agencies with Digital Analytics Program (DAP) installed on their agency.gov/data/ page to assist in identify data users	GSA DAP data	Q1 FY15 (updated quarter to quarter)	100%	Quarterly	As of November 2015, 7 CFO Act agencies (29%) have DAP installed on their [agency].gov/data page, the same as last quarter.	--
	# of additional usage reports on Data.gov/impact/	Data.gov/impact/	Q1 2015	1 per quarter	Quarterly	0 additions in Q4	↓

Key indicators (cont.)

Sub-Goal	Key Implementation Data						
	Indicator	Source	Baseline	Target?	Frequency	Latest data	Trend
II. A) Develop and maintain an Enterprise Data Inventory	% of bureaus and programs in the agency which have data sets represented in the Enterprise Data Inventory	Agencies /IDC	Q1 FY15	100% (bureaus) 50% (programs)	Quarterly	In November 2015, 80% of bureaus were represented and 20% of programs were represented, consistent last quarter.	-- (bureaus) -- (programs)
	Y/N—Does inventory include data sets posted to the agency website, addressed in the agency's System of Record Notices (SORNs) or Privacy Impact Assessments (PIAs), and any purchased data sets?	Agencies/IDC			Quarterly	Under Development No current way to check for this. Exploring options for metadata tagging.	

Key indicators (cont.)

Sub-Goal	Key Implementation Data						
	Indicator	Source	Baseline	Target?	Frequency	Latest data	Trend
II. B) Make data discoverable to the public	% of data sets included in the Public Data Listing that have a URL where the public can access the data set	Agency PDL	Q1 FY15	100%	Quarterly	75% of datasets have a downloadable URL in February 2015 (down from 80% last quarter)	↓
	% of agencies with 100% valid metadata	Agency PDL	Q1 2015	100%	Quarterly	91% of agencies have 100% valid metadata in November 2015, up from 79% in Q3.	↑
	% of working download URLs	Agency PDL	Q2 2015	N/A	Quarterly	In November 2015, 60.4% of download URLs were working, down from 72% in Q2 likely because of new data.	↓
	% of datasets in which the file format matches the file format identified in the data.json metadata	Agency PDL	Q2 2015	N/A	Quarterly	In November 2015, 66% matched, up from 60% in Q2.	↑
	% of downloads in HTML format (machine-readability measure)	Agency PDL	Q2 2015	N/A	Quarterly	In November 2015, 28.7% were in HTML format, up from 15% in Q2, likely because of new data.	↑
	% of downloads in PDF format (machine-readability measure)	Agency PDL	Q2 2015	N/A	Quarterly	In November 2015, 12.4% were PDFs, down from 15% in Q2.	↓
	~~Y/N – Have data sets released via FOIA been included in the Public Data Listing?~~	~~Agencies/IDC~~		~~Yes~~	~~Quarterly~~	Reliable metrics determined not possible.	

Key indicators (cont.)

Sub-Goal	Key Implementation Data						
Sub-Goal	Indicator	Source	Baseline	Target?	Frequency	Latest data	Trend
II. C) Prioritize and release valuable data through public engagement	% of agencies with a transparent 2-way feedback mechanism for data prioritization	Agencies/IDC	Q2 FY15	100%	Quarterly	In November 2015, 46% of agencies have demonstrated 2-way feedback loop, up from 29% in Q2.	↑
II. D) Prevent inappropriate disclosure of sensitive information	% of agencies with privacy reviews consistent with the Open Data Policy	Agencies	Q1 FY14	100%	Quarterly	84% of agencies are compliant, the same as last quarter.	--
II. E) Assign roles & responsibilities to strengthen the culture of data management	Y/N—Is there a Chief Data Officer, Chief Technology Officer, or other senior staff position assigned responsibility for data management and release?	Agencies/IDC	Q2 FY15	N/A	Quarterly	88% have position responsible for data management and release, same as last quarter.	--
	% of agencies who publicly assign points of contact for open data issues	Agencies/IDC	Q1 2015	100%	Quarterly	95% of agencies have identified POCs, down from 100% in Q2.	↓

Resources

Resource	Description
Executive Order 13642—Making Open and Machine Readable the New Default for Government Information	Established an important new principle in the government's stewardship of data: going forward, agencies must consider openness and machine-readability as the default when they collect or create data.
M-13-13—Open Data Policy—Managing Information as an Asset	Policy jointly released by OMB and OSTP to provide a framework for agencies to manage information as an asset throughout its lifecycle, which includes requirements to protect personal and confidential data.
Supplemental Guidance on the Implementation of M-13-13	Guidance to provide additional clarification and detailed requirements to assist agencies in carrying out the Open Data Policy.
Data.gov	The home of the U.S. Government's open data, which contains data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.
Project Open Data	Free open source tools, case studies, and best practices designed to help agencies improve open data management, release data, and host events.
Project Open Data Dashboard	Dashboard of agency progress in implementation of the Open Data Policy, including evaluations from OMB.
Open Data Biweekly Meeting and Listserv	The CTO and CIO teams host an open data meeting, currently every other Tuesday from 11 AM to 12 PM EST at GSA. For more information, join the Open Data Listserv. Hosted by GSA, this listserv is designed to connect people who are tackling data innovation, no matter their home agency. Anyone with a .gov or .mil email address can join by emailing listserv@listserv.gsa.gov (the message should have no subject and the body should say "subscribe open-data").
U.S. Digital Services Playbook	This playbook of 13 key "plays" is drawn from successful best practices from private sector and government that will help government build effective digital services. Play 13, default to open, includes actions for opening data.
StackExchange Open Data Q&A	Open Data Q&A site frequented by federal open data stakeholders.
Open Data 500	Study of companies that use open federal data to generate new business and develop new products and services. The roundtables bring data-centric agencies together with the heaviest users of their data.
U.S. Open Data Institute	Partners with government agencies to help them release data sets and engage users.

Resources (cont.)

Resource	Description
The Center for Open Data Enterprise	Nonprofit organization with a mission to help develop smarter open data strategies for government, businesses, and other nonprofits by focusing on data users.
Let Me Get That Data For You	A free, open source tool that quickly and automatically creates a machine-readable inventory of all the data files found on a given website.
U.S. Public Participation Playbook	A resource for government managers to effectively evaluate and build better services through public participation using best practices and performance metrics.

Contributing programs

The White House

- o [Office of Management and Budget (OMB)](#)
- o [Office of Science and Technology Policy (OSTP)](#)
- o [Presidential Innovation Fellows](#)

General Services Administration

- o [Data.gov](#)
- o [18F](#)

Acronyms

- API – Application Program Interface
- CAP – Cross Agency Priority
- CDAC – Commerce Data Advisory Council
- CEO – Chief Executive Officer
- CFO Act – Chief Financial Officers Act
- CIO – Chief Information Officer
- CTO – Chief Technology Officer
- DAP – Digital Analytics Program
- DOC – Department of Commerce
- DOI – Department of the Interior
- ED – Department of Education
- EDI - Enterprise Data Inventory
- FOIA – Freedom of Information Act
- GSA – General Services Administration
- IDC – Integrated Data Collection
- KPI – Key Performance Indicator
- N/A – Not Available
- OMB – Office of Management and Budget

- OSTP – Office of Science and Technology Policy
- PIA – Privacy Impact Statement
- PDL – Public Data Listing
- SSA – Social Security Administration
- SORN – System of Record Notice
- USDA – United States Department of Agriculture
- VA – Department of Veterans Affairs