Cross Agency Priority Goal
Quarterly Progress Update

Open Data

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Overview

Goal Statement

o   Fuel entrepreneurship and innovation, and improve government efficiency and effectiveness by unlocking the value of government data; 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

- Cross-Agency Priority Goal Deep Dive: Goal leaders and Agency stakeholders continued to implement action items from a Deep Dive with the Senior Advisor to the OMB Director in February 2016, including the following on-going priorities in Q4 2016:

  - **Re-frame the CAP Goal** and metrics to focus more broadly on enterprise data governance; communicate the message that Open Data is an output of good data management and critical to success in areas like cybersecurity, customer service, and internal data-driven decision making.

  - **Drive Compliance** with the Open Data Policy and CAP Goal metrics, including Enterprise Data Inventory completeness. Leverage biweekly community of practice meetings to improve performance on deficiencies related to select CAP Open Data metrics.

  - **Identify use and impact measures:** develop measures around interagency sharing, internal efficiency, and engagement efforts.

  - **Support development of data governance plans within agencies**.

- **Project Open Data Dashboard Reviews.** As is done each quarter, the White House Office of Management and Budget (OMB) has evaluated the 24 CFO Act agencies on their Open Data Policy progress on the Project Open Data Dashboard, and follows up with agencies to discuss progress.

Tools & Collaboration

- **Open Data Working Group meetings.** The Open Data government-wide community met biweekly during the quarter to share information and best practices from agencies, and to gain clarification on Open Data policy. During the biweekly meetings, OMB and OSTP have worked to foster interagency knowledge sharing by highlighting a variety of open data projects, such as HHS's Demand-Driven Open Data, the Federal Source Code Policy, the Department of Transportation's National Open Transit Map, as well as share the work of Presidential Innovation Fellows and their Data Pub Discovery Sprint, which assessed the possibility of using a central resource to host agencies' open data and to better understand the needs for hosting data.

- **NSTC Data Science Interagency Working Group.** On August 23, 2016, OSTP charted the Data Science Interagency Working Group (DSIWG) under the National Science and Technology Council (NSTC) Committee on Technology. As a subcommittee, the DSIWG is focused on improving Federal agency capacity for data-driven decision-making by advancing adoption of data science technologies, techniques, best practices, and leveraging Federal research and development efforts including opening data by default. In addition to reporting on the most pressing challenges in innovation using data science and advancing data capacity, the DSIWG promotes broader adoption of data best practices and leverages opportunities to gain operational efficiencies. The DSIWG will collaborate with other Councils to unleash innovation by unlocking Federal data sets to meet our nation's most pressing challenges and promoting cross-agency collaboration to eliminate redundant "one-off" short term solutions.

- **Quarterly Public Meeting of the Open Data Working Group.** On September 13, 2016, the meeting opened up to the public Open Data community, including individuals from outside of government.

Progress Update (cont.)

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

- On July 7, the U.S. Geological Survey (USGS) hosted its first USGS Mapathon following on the 2015 and 2016 White House Mapathons.

- On July 15-17, the U.S. Department of Agriculture (USDA) and the National Aeronautics and Space Administration (NASA) participated in the Apps for AG Hackathon in Davis and Sacramento, California. The hackathon brings together commercial agricultural producers (e.g., growers) with software developers to build solutions for real world problems.

- On August 15, the U.S. Department of Veterans Affairs (VA) held VA a "VA Innovation Day" where field-based employees were invited to present their solutions developed during exciting initiatives to solve problems and spark innovation in the VA.

- On September 9-10, the VA, including the Veterans Health Administration, VA Center for Innovation, and VA Open Data Team hosted the Veterans Affairs Suicide Prevention Innovations (VASPI) — a 2-day data-driven, public-private collaborative event. The themes for VASPI included: (i) improving VA predictive analytic methods for identifying suicide risk; (ii) accessing veterans at risk for suicide who are not receiving VA care; and (iii) enhancing VA resources and interventions for suicide prevention.

- On September 19, USDA co-sponsored Hacks4Health with Hub101. Hacks4Helath is a series of initiatives to promote create ways to solve specific problems related to the nation's health and well-being.

- On September 23, USDA, the U.S. Department of Health and Human Services, and NASA participated in the Hack4Health hackathon. The hackathon for social good was hosted by VSolvit and additional partnerships included the State of California, the Latino Coalition for a Healthy California, Hub101, and the California Lutheran University. The themes of the hackathon were: Poverty and hunger, food deserts, and maternal/infant health.

See more events at Data.gov/Events

Progress Update (cont.)

The White House Open Data Innovation Summit

On September 28, the White House, General Services Administration (GSA), and U.S. Small Business Administration (SBA) partnered with the Data Foundation to hold the first White House Open Data Innovation Summit in Washington, D.C. The Summit was a day to showcase resulting progress and impact from agencies unlocking the value of open data to fuel entrepreneurship, innovation, and scientific discoveries. Open data is a public good and a remarkable resource for all Americans—that can lead to innovation that improves the lives of individuals by helping the government to deliver better public services, improve public safety, and foster job creation.

The Summit included panel sessions exploring the following issues: (i) **efficiency and effectiveness**: How has open data made the Federal government more efficient and effective?; (ii) **health and wellness**: How has open data made our lives better?; and (iii) **innovation, job growth and economic opportunity**: How has open data spurred innovative thinking, job growth and economic opportunity?

A solutions showcase and storytelling stage featured lively workshops and more than 40 booths featuring Federal agency champions of open data. One of the highlights of the Summit was a panel with the current and past U.S. Chief Technology Officers from this Administration.

Overall, more than 1,200 government trailblazers, entrepreneurs, advocates, and civic innovators attended the Summit in person with an additional 8,500 participating via livestream. The Summit hashtag, #WHOpenData, was trending on Twitter throughout the day and reached an estimated 6.6 million Twitter users, with nearly 30 million social media impressions. More than a dozen external media outlets published articles on topics featured at the Summit.

Open Data CAP Goal Strategy

Sub-Goal	Major Actions to Achieve Impact	Key Indicators
I. Fuel economic growth and Innovation through increased use of USG Open Data	• 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 (e.g., repeat visitors to agency data website). • Proactive identification by agencies (e.g., organizations that cite government data usage). • Digital Analytics Program (DAP) usage metrics. • 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.

Open Data CAP Goal Strategy (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. • Strengthen data governance in order to improve data quality, adopt and enforce data standards, and ensure data security.	**Develop and maintain an Enterprise Data Inventory** • % of bureaus and programs in the agency which have data sets represented in the Enterprise Data Inventory. **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. • % of agencies reaching metadata quality goals (working URLs, file format matches metadata, machine-readable). **Prioritize and release valuable data through public engagement** • % of agencies with a transparent 2-way feedback mechanism for data prioritization. • % of agencies that report one Open Data event per quarter on http://www.data.gov/events/. **Prevent inappropriate disclosure of sensitive information** • % of agencies with privacy reviews consistent with the Open Data policy. **Strengthen data governance in order to improve data quality, and adopt and enforce data standards, and ensure data security** • % of agencies reporting a data governance activity. • % of agencies with a Chief Data Officer.

Q4 Updates to Work Plan

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
Agencies publish their Enterprise Data Inventories (EDI) on Data.gov	11/2016	At Risk	OMB, Agencies	As of May 31, 2015 all Agencies are **required** to include information on non-public data in their Public Data Listing (PDL) and publish their EDIs on a regular basis. As of Q4 2016 (Milestone 12 - August 31, 2016), only 7 of 24 Agencies published a high quality EDI and made substantial progress on EDI completeness. Ten agencies have minor deficiencies; 7 had serious deficiencies. See https://labs.data.gov/dashboard/offices.
Incorporate refreshed Open Data CAP Goal metrics into PortfolioStat sessions	6/2016	Complete	OMB	Open Data metrics are currently included in PortfolioStat sessions as appropriate; as metrics are refreshed, OMB will coordinate closely to ensure PortfolioStat is used as an additional compliance tool.
Agencies include licensing information in their PDL for all public datasets	11/2016	At Risk	OMB, Agencies	As of August 31, 2016 (Milestone 12), 71.87% of Agency datasets included licensing information. This milestone has been revised to November to attempt to gain 100% compliance. OMB will follow up individually with agencies.
Add additional functionality to data.gov to allow data users to input feedback on how they have used the dataset (use and impact)	June 2016	Complete	GSA	This additional feedback mechanism can provide proxy information on use and impact of Open Data.
Revamp the data.gov/impact page to highlight use cases from Agencies	~~August 2016~~ December 2016	~~New~~ Missed	GSA	This will be completed in Q1 FY17. Once this is complete, the CAP Goal will add a new metric for Agencies to report on use & impact of their data.
Collect information from Agencies on existing inter-Agency data sharing	June 2016	Complete	OMB	This request was added to the Interagency Data Collection in May 2016.

Q4 Updates to Work Plan (cont.)

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
Explore available options to improve customer service around Open Data for Agencies to gather better information around quality of their data	September 2016	Complete and Iteration Ongoing	OMB, DOT	Not all 24 CFO Agencies regularly seek customer feedback on their data. Currently, users can report a data issue on data.gov but better customer service metrics regarding user satisfaction with USG Open Data would provide Agencies with valuable information to improve data quality.
High level datasets identified through the US Open Data Action Plan released on schedule	9/2016	Complete	OSTP	The 44 high-level data sets were identified for the US Open Data Action Plan.
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 reported publicly first in the Q2 FY16 progress update, see: http://www.performance.gov/content/open-data?view=public#progress-update
Set up quarterly Goal Leader meetings	Ongoing	On Track	PIC, OMB	There will be a Deep Dive in Q1 FY17 before the end of the Administration to address performance gaps and ensure the continuation of open data advancement.
Develop a more compelling value proposition for all Agencies to engage on Open Data	6/2016	Complete and Iteration Ongoing	OMB, OSTP, DOT	OMB, OSTP and DOT worked with Agency leaders to advance open data by hosting 4 White House Open Data Roundtables, a White House Open Data User Engagement Leadership Series to improve user engagement skills and emphasize public engagement strategies, and an Executive Transformation Retreat with Federal data leaders.
Focused outreach to Agencies	6/2016	Complete and Iteration Ongoing	OMB, CIO/CDO	OMB, OSTP and DOT worked with Agency leaders to advance open data by hosting 4 White House Open Data Roundtables, a White House Open Data User Engagement Leadership Series to improve user engagement skills and emphasize public engagement strategies, and an Executive Transformation Retreat with Federal data leaders.
~~Reframe~~ Implement CAP goal to prioritize data governance and government efficiency	Q3 FY2016	Complete and Iteration Ongoing	OMB, DOT	OMB is conducting Data Governance outreach and research and included a new metric in Q3 FY16. This metric is now part of the IDC data collection performed on a quarterly basis.

Q4 Updates to Work Plan (cont.)

Milestone Summary				
Key Milestones	**Milestone Due Date**	**Milestone status**	**Owner**	**Anticipated Barriers or other Issues Related to Milestone Completion**
Update Project Open Data Dashboard to include all government-wide CAP metrics and vice versa	June 2016	Complete	OMB, GSA	Updates can be tracked here: https://github.com/project-open-data/project-open-data-dashboard/issues. This milestone has been completed will be removed next quarter.
Update the Project Open Data Dashboard to include graphs of trends over time	Spring 2016	Complete	OMB, GSA	Update progress can be tracked here: https://github.com/project-open-data/project-open-data-dashboard/issues.
~~Host four 2016~~ Support Open Data Roundtables with deep-dives on priority topics	~~March June 2016~~ December 2017	~~Complete~~ Ongoing	~~OSTP~~ Agencies	See https://www.data.gov/meta/open-data-roundtables/ The White House will be supporting Federal agencies as they continue to work on open data engagements. Federal agencies may choose to host open data roundtables, which are action-oriented dialogues that bring together government agencies and the organizations that use their data.
Draft U.S. Open Data Best Practices, as a precursor to National Open Data Guidelines committed in the Open Government National Action Plan 3.0	~~October 2016~~ December 2016	On Track	OSTP, OMB, GSA	Outcomes from 2016 Open Data Roundtables will identify lessons learned, best practices, and case studies to help develop U.S. Open Data Best Practices, ultimately National Open Data Guidelines. The content for the U.S. Open Data Best Practices will come from a crowdsourced platform with contributions from the open data community.
Lead Open Data Working Group	Ongoing	Ongoing	OMB, OSTP, GSA	See https://project-open-data.cio.gov/working-group/.
Open Data Quarterly Meetings open to stakeholders	Ongoing	Ongoing	OMB, OSTP	The Open Data Quarterly meeting was held on September 13th, 2016.
Open Data Innovation Summit with Solutions Showcase	September 28, 2016	Complete	OMB	Public showcase of open data to highlight the achievements of Federal Agencies during the past 8 years. The White House published an Open Data Fact Sheet on September 28th, 2016 reporting on these accomplishments.
Host Open Data Co-Working Sessions for agencies	Ongoing	Complete and ongoing	GSA	Ad hoc co-working sessions take place as needed.

Key indicators

	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 - 77% of 24 CFO Act Agencies	100%	Quarterly	In August 2016, 79% of agencies (19 agencies) provided narrative evidence of open data impacts for this quarter, compared to Q3 with 88% of agencies (21 agencies) .	↓
	% increase in usage statistics on data views from Data.gov	Data.gov	Q1 FY15 - 201,432 views	500,000 views/ month	Quarterly	Views in Q1 FY16: 524,568 Views in Q2 FY16: 540,806 Views in Q3 FY16: 589,179 Views in Q4 FY16: 491,093 Percentage growth: - 20%	↓
	% of agencies with Digital Analytics Program (DAP) installed on their agency.gov/data/ page to assist in identify data users	GSA DAP data	Q2 FY15 - 5 out of 24 (21%)	100%	Quarterly	In August 2016, 87.5% of agencies (21 out of 24 agencies) have DAP installed on their [agency].gov/data page, compared to Q3 with 92% (22 agencies).	↓
	# of additional usage reports on Data.gov/impact/	Data.gov/impact/	Q1 2015 - 20 reports	1 per quarter	Quarterly	This metric is being renewed, and GSA will revamp the Data.gov/impact/ page, with a new baseline beginning in Q1 FY17.	--

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 - 70% of bureaus; 17% of programs	100% (bureaus) 50% (programs)	Quarterly	As of August 2016 (Milestone 12), 82% of bureaus were represented, compared to Q3 with 81% of bureaus. 40% of programs were represented, compared to Q3 with 56% of programs.	↑ (bureaus) ↓ (programs)

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 – 93%	100%	Quarterly	As of this Q4 FY16: 67% (86,332/129,121) Compared to Q3 FY16: 66% (85,974/130,767) *Note that both numerator (# of public datasets with download URL) and denominator (# of public datasets) have increased.	↑
	% of working download URLs (accessible links)	Agency PDL	Q2 2015 – 78%	100%	Quarterly	59% of download URLs were accessible as of August 31st, 2016. Up from 10% in Q3. *Results for this metric are subject to variability. Due to this unreliability, this metric will be reviewed in a future Deep Dive.	↑
	% of downloads **that are not** in HTML format (machine-readability measure)	Agency PDL	Q2 2015 – 70%	100%	Quarterly	In August 2016 (Milestone 12), 78% of downloads were not in HTML format, down from 81% in Q3.	↓
	% of downloads **that are not** in PDF format (machine-readability measure)	Agency PDL	Q2 2015 – 87%	100%	Quarterly	In August 2016 (Milestone 12), 86% of downloads were not in PDF format, up from 84% in Q3.	↑

Key indicators (cont.)

	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 – 33%	100%	Quarterly	In August 2016, 46% of agencies have demonstrated 2-way feedback loop in Q4, down from 63% in Q3.	↓
	% of agencies that report one Open Data event per quarter on data.gov/events/	Data.gov	Q3 FY16 – 17%	24 events per quarter	Quarterly	33% of agencies reported one event during Q4, up from 17% in Q3, which was the first time this metric was reported.	↑
II. D) Prevent inappropriate disclosure of sensitive information	% of agencies with privacy reviews consistent with the Open Data	Agencies	Q1 FY14 – 84%	100%	Quarterly	83% of agencies are compliant in Q4, down from 96% in Q3.	↓
II. E) Strengthen data governance in order to improve data quality and adopt and enforce data standards	% of agencies ~~with~~ reporting a data governance ~~policies~~ activity	Agencies/IDC	Q3 FY16 – 88%		Quarterly	92% of agencies reported a data governance activity in Q4, up from 88% in Q3.	↑
	% of agencies with a Chief Data Officer	Agencies/IDC	Q4 FY16			To be reported in Q1 FY17.	--

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 make open and machine readable 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.
Open Government Directive	The Open Government Directive calls on government agencies to make information available to improve transparency.
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, CIO, and GSA 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.

Contributing programs

The White House

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

Department of Transportation

- o [Transportation.gov](#)

General Services Administration

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

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**