Cross Agency Priority Goal
Quarterly Progress Update

Open Data

Goal Leaders:

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FY2016 Quarter 3

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 participated in a Deep Dive with the Senior Advisor to the OMB Director in February 2016. Several actions were agreed upon that are reflected and ongoing in Quarter 2 and Quarter 3 reporting:

  - **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.

  - **Build Agency Capacity**: baseline data governance maturity at six selected Agencies (Commerce, Interior, EPA, Labor, USDA, and State). Begin a community of practice around data governance; realign CAP metrics to better capture data governance and baseline data governance maturity at each agency.

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

- **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

- **White House Open Data Roundtables:** https://www.data.gov/open-data-roundtables/ This four-part series, led by the White House Office of Science and Technology Policy (OSTP) between March and June 2016, brought together ~300 leaders from Federal, private, and academic sectors to identify case studies, lessons learned, and best practices in open data across government.

- **White House Open Data User Engagement Leadership Series.** The Office of the Federal CIO along with the U.S. Digital Service and the Office of Science and Technology Policy launched a leadership series to create an elite cadre of Federal data stewards focused on user research around Open Data. Federal staff from agencies learned to improve their user engagement skills, while emphasizing public engagement strategies to better engage with data users. This series was held on a bi-weekly from June to July 2016. The Grand Finale event held on July 28th, 2016 featured the U.S. Chief Data Scientist, a guest speaker on "From Data Cabinet to Collective Insight: Usable and Useful Data," and a panel on "Diversity and Inclusion around Open Data" comprised of local women in technology organizations.

- **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. In June of the Q3 quarter, the meeting opened up to the public Open Data community.

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 included:

- o On April 20-21, the U.S. Department of Veterans Affairs (VA) led a groundbreaking two-day event focused on brain health, Brain Trust: Pathways to InnoVAtion, a public-private collaboration to develop tools and add datasets to Data.gov.

- o On April 22-24, NASA's open innovation incubator hosted the 2016 International Space Apps Challenge, which is one of the largest hackathons in the world. Over a 48-hour period, global citizens worked on challenges wrapped around NASA's data, as well as data from collaborating agencies. The challenges were held in six categories, namely: Aeronautics, Earth, International Space Station, Journey to Mars, Solar System and Beyond, and Technology.

- o On April 22, GSA hosted the first ever Government-wide Earth Day Hackathon. Industry professionals, students, and government employees participated with multiple agencies to develop new solutions to help the government go "green".

- o On April 23, Federal agencies and Chief Data Officers participated in Bayes Hack 2016 in San Francisco. Silicon Valley met Washington, D.C. with a pipeline of projects organized around Federal agency priorities, such as mental health, invisible illness, and suicide prevention.

- o On April 27, the White House Office of Science and Technology Policy (OSTP) hosted the Open Data Roundtable on Data Quality.

- o On May 8th - 10th, the Health Datapalooza 2016 focused on liberating health data while bringing together companies, startups, academics, government agencies, and individuals with the newest and most innovative and effective uses of health data to improve patient outcomes.

- o On May 10th, OSTP and VA led a 2016 Health Datapalooza session on Data-Driven Innovations for Mental Health, Invisible Illness, and Suicide Prevention. This session showcased government open datasets and APIs used to strengthen awareness of mental illness, identify new opportunities for treatment, and strengthen communities for improved patient outcomes.

- o On May 24, the U.S. Department of Agriculture (USDA) held the Annual USDA Cyber Security Expo.

- o On May 25, OSTP hosted the Open Data Roundtable on Sharing and Applying Research Data.

- o June 4th was National Day of Civic Hacking. The White House released a National Day of Civic Hacking 2016 video with Megan Smith, U.S. Chief Technology Officer, and Cecilia Muñoz, Assistant to the President and Director of the Domestic Policy Council. U.S. Small Business Administration and numerous Federal agencies joined in a nationwide day of action with developers, government employees, designers, journalists, data scientist, non-profit employees, and a myriad of individuals who care and leverage their skills to help the community.

- o On June 15, OSTP hosted the Open Data Roundtable on Public-Private Collaboration and concluded the 2016 Open Data Roundtable series.

- o On June 17-19, the U.S. Department of Veterans Affairs Center for Innovation (VACI) hosted a Lyme Innovation hackathon.

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

Action Plan Summary

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.

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 • 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 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.

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.	~~5/2015~~ 11/2016	Missed	OMB, Agencies	As of May 31st, 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 Q2 2016 (February 28th, 2016), only 5 of 24 Agencies published a high quality EDI and made substantial progress on EDI completeness. Seven agencies have minor deficiencies; 12 either did not provide and EDI or had serious deficiencies. See https://labs.data.gov/dashboard/offices.
Incorporate refreshed Open Data CAP Goal metrics into PortfolioStat sessions	~~5/2015~~ 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.	~~8/2015~~ 11/2016	At Risk	OMB, Agencies	As of February 29th, 2016, 66.65% 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	~~June 2016~~ August 2016	Missed	GSA	This will be completed by the end of August 2016. 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 has been added to the Interagency Data Collection for May 2016.

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	On Track	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	8/2015 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 FY16 Q2 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 Q4 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 CAP goal to prioritize data governance and government efficiency	Q3 FY2016	Complete	OMB, DOT	OMB is conducting Data Governance outreach and research and included a new metric in Q3 FY16.

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	~~1/2016~~ 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 Open Data Roundtables with deep-dives on priority topics	March-June 2016	Complete	OSTP	See data.gov/open-data-roundtables/
Draft National Open Data Guidelines, now renamed U.S. Open Data Best Practices, satisfying commitment from Open Government National Action Plan 3.0	October 2016	On Track	OSTP, OMB, GSA	Outcomes from 2016 Open Data Roundtables will identify lessons learned, best practices, and case studies to help develop National Open Data Guidelines, now renamed U.S. Open Data Best Practices.
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	
Open Data Innovation Summit with Solutions Showcase	September 28-29, 2016	On Track	~~OSTP~~ OMB	Public showcase of open data; opportunity for National Open Data Guidelines, , now renamed U.S. Open Data Best Practices, to be released and widely shared.
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 May 2016, 88% of agencies (21 agencies) provided a narrative evidence of open data impacts for this quarter.	↑
	% 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 Percentage growth: 8%	↑
	% 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	As of June 2016, 92% of agencies (22 agencies) have DAP installed on their [agency].gov/data page.	↑
	# 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 /impact page, with a new baseline beginning in Q4.	--

Key indicators (cont.)

	Key Implementation Data						
Sub-Goal	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 June 2016 (Milestone 11), 81% of bureaus were represented and 56% of programs were represented.	↓ (bureaus) ↑ (programs)

Key indicators (cont.)

	Key Implementation Data						
Sub-Goal	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 quarter: 66% (85,974/130,767) Compared to last Q: 81% (80,445/99,417) *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	10% of download URLs were accessible as of May 31st, 2016. Down from 43% last quarter. *Results for this metric are subject to variability. Due to this unreliability, this metric will be reviewed in the Q3 Deep Dive.	↓
	% of downloads **that are not** in HTML format (machine-readability measure)	Agency PDL	Q2 2015 – 70%	100%	Quarterly	In May 2016 (Milestone 11), 19% of downloads were in HTML format, up from 17% in Q2. This metric has been flagged for review in Q3 Deep Dive.	↓
	% of downloads **that are not** in PDF format (machine-readability measure)	Agency PDL	Q2 2015 – 87%	100%	Quarterly	In May 2016 (Milestone 11), 16% of downloads were in PDF format, up from 13% in Q2. This metric has been flagged for review in Q3 Deep Dive.	↓

Key indicators (cont.)

| Sub-Goal | Key Implementation Data | | | | | | |
	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 May 2016, 63% of agencies have demonstrated 2-way feedback loop.	↑
	% of agencies that report one Open Data event per quarter on data.gov/events	Data.gov	Q3 FY16 – 17%	24 events per quarter	Quarterly	17% of agencies reported one event during Q3 (First time this metric is 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	96% of agencies are compliant (same as in Q2 FY16)	--
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	88% of agencies reported a data governance activity (First time this metric is reported).	--
	% of agencies with a Chief Data Officer	Agencies/IDC	Q4 FY16			To be reported next quarter.	--

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)](#)

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**