Leveraging Data as a Strategic Asset

Goal Leaders

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Goal Statement

- Leverage data as a strategic asset to grow the economy, increase the effectiveness of the Federal Government, facilitate oversight, and promote transparency.

Challenge

- The use of data is transforming society, business, and the economy. Data provided by the Federal Government have a unique place in society, and maintaining trust in Federal data is pivotal to a democratic process. The Federal Government needs a robust, integrated approach to using data to deliver on mission, serve customers, and steward resources while respecting privacy and confidentiality.

Opportunity

- Develop a long-term, enterprise-wide Federal Data Strategy to better govern and leverage the Federal Government's data.
- Enable government data to be accessible and useful for the American public, businesses, and researchers.
- Improve the use of data for decision-making and accountability for the Federal Government, including for policy-making, innovation, oversight, and learning.

The Federal Data Strategy is being developed by a team which includes representatives from the following organizations:

Executive Office of the President Co-Leads:

Office of Management and Budget   **Office of Science and Technology Policy**

- Office of the Federal Chief Information Officer
- Office of Information and Regulatory Affairs

Agency Co-Leads:

Department of Commerce   **Small Business Administration**

The Federal Data Strategy will be created with Federal data communities and stakeholders, including but not limited to:

PRESIDENT'S
MANAGEMENT
AGENDA
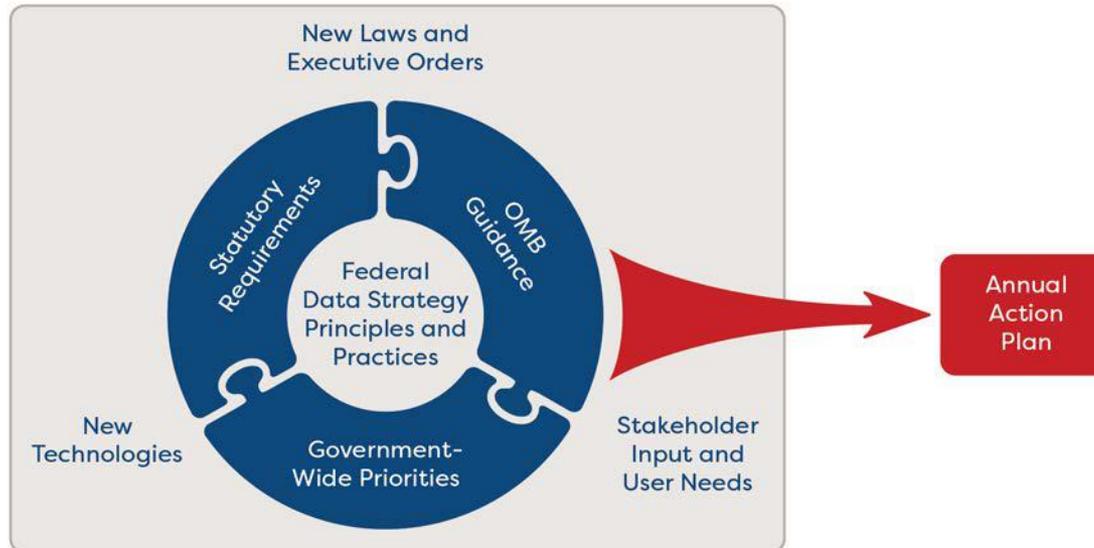
The *Leveraging Data as a Strategic Asset* CAP Goal will deliver a Comprehensive Federal Data Strategy through two parallel and iterative work streams. These coordinated work streams will work hand in hand to provide a long-term strategic plan for data management across the Federal Government.

Federal Data Strategy Development: Principles, Practices, and Action Plan
WORK STREAM 1

July 2018
- o *Draft Principles*
- • **Call for Best Practices**

October 2018
- • **Principles**
- o *Draft Practices*

January 2019
- • **Federal Data Strategy** (Principles and Practices)
- o *Draft Year 1 Action Plan*

June

December 2019
- • **Year 1 Action Plan**

The Data Incubator Project: Use Cases and Playbook
WORK STREAM 2

Test
Build — Learn

Incubation of Selected Use Cases

July 2018
- • **Call for Use Cases**

October 2018
- • **Use Case List**

January 2019

June

December 2019
- • **Data Incubator Playbook**
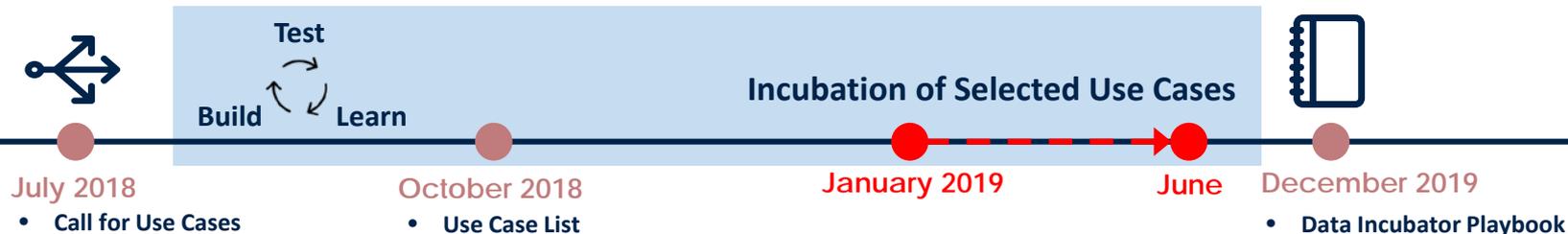
*For additional information and ways to engage follow updates on **strategy.data.gov***

Federal Data Strategy Development

WORK STREAM 1

- ✓ Developed **2020 Action Plan** for December publication on **strategy.data.gov**
- ✓ Developed **resources to support the 2020 Action Plan** for publication **resources.data.gov**

December 2019
- **Year 1 Action Plan**

- ✓ Developed **Stakeholder Engagement and the Development of the Federal Data Strategy** for December publication on **strategy.data.gov**

The Data Incubator Project

WORK STREAM 2

December 2019
- **Launched Incubator Playbook**

- ✓ **Tagged Proof Points** for search **resources.data.gov**
- ✓ Developed **interactive Incubator Playbook** for publication on **resources.data.gov**

Forums
- Federal Forum, July 25, 2018, 18 speakers, 158 attendees
- Federal Forum, November 25, 2018, 24 speakers, 188 attendees
- Federal Forum, June 25, 2019, 23 speakers, 220 attendees
- Public Forum, July 30, 2018, 11 speakers, 58 attendees
- Public Forum, November 8, 2018, 28 speakers, 133 attendees
- Public Forum, July 8, 2019, 43 speakers, 165 attendees

Newsletters, Social Media, Website
- 23 Newsletters
- 25 Tweets from Performance.gov with 56,132 Impressions
- 135 #federaldatastrategy Tweets
- 400+ #feddatastrategy Tweets
- 102,104 of Strategt.data.gov Sessions (5/27/2018 – 7/31/2019)
- 169,145 of Strategy.data.gov Page Views (5/27/2018 – 7/31/2019)

Events
- 87 events attended to communicate FDS

Feedback Intake on FDS and Year-1 Action Plan
- Phase 1, collected 218 submissions
- Phase 2, collected 198 submissions
- Phase 3, collected 185 submissions

PRESIDENT'S MANAGEMENT AGENDA

Agency Action Step	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Action 1: Identify Data Needs to Answer Priority Agency Questions			1.1 Consult with key agency leaders, such as Chief Data Officers, Evaluation Officers and Statistical Officials to begin identifying the data needed to answer priority agency questions 1.2 Identify data needs for answering priority questions in the Interim Learning Agenda 1.3 Develop a plan to engage the stakeholders needed to access or acquire the data needed to answer priority questions	
Action 2: Institutionalize an Agency Data Governance Body	2.1 Publish agency data governance materials (membership, charter, meeting cadence) on [agency].gov/data web page	One of the following, each quarter: 2.2 After you complete your assessment of current staff data skills and literacy (see Action 3), dedicate staff to support data governance body OR 2.3 Document how the governance board receives its authority OR 2.4 Put in place a data strategy or road map OR 2.5 Develop a plan for capital planning for enterprise data assets and infrastructure OR 2.6 Adopt a Master Data Management program	2.2 After you complete your assessment of current staff data skills and literacy (see Action 3), dedicate staff to support data governance body OR 2.3 Document how the governance board receives its authority	
Action 3: Assess Data and Related Infrastructure Maturity		3.1 Select an operational maturity assessment model for data and data infrastructure	3.2 Agency Chief Data Officer and other senior-level staff participate in any training or technical assistance related to maturity assessments 3.3 Document the outcome of the initial data maturity assessment	
Action 4: Identify Opportunities to Increase Staff Data Skills		4.1 Perform an assessment of current staff data literacy and data skills	4.2 Conduct a gap analysis between the current staff's skills and the skills the agency requires	4.3 Based on the assessment, establish a baseline and develop a performance plan to close the identified data skills and literacy gaps
Action 5: Identify Priority Datasets for Agency Open Data Plans	5.1 Publish an Open Data Plan for sharing priority agency datasets, developed with stakeholder, engagement, including datasets that support AI R&D			5.2 Execute Open Data Plan (Number of data assets published as open data on schedule)
Action 6: Publish and Update Data Inventories	6.1 Update comprehensive data inventories for overall completeness and priority dataset sprints	6.1 Update comprehensive data inventories for overall completeness and priority dataset sprints	6.1 Update comprehensive data inventories for overall completeness and priority dataset sprints 6.2 Update comprehensive data inventory to conform to standard metadata	6.1 Update comprehensive data inventories for overall completeness and priority dataset sprints

Community of Practice Action Step	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Action 7: Launch a Federal Chief Data Officer Council	7.1 Launch Chief Data Officer Council			7.2 Create resources 7.3 Encourage use of resources by agencies
Action 8: Improve Data and Model Resources for AI Research and Development	8.1 Identify barriers to access and quality limitations			8.2 Provide technical schema formats on inventories 8.3 Pilot demonstration of how access to data useful for AI should be enhanced
Action 9: Improve Financial Management Data Standards	9.1 Quarterly Getting Payments Right CAP Goal Targets 9.2 Quarterly Results Oriented Accountability of Grants CAP Goal Targets	9.1 Quarterly Getting Payments Right CAP Goal Targets 9.2 Quarterly Results Oriented Accountability of Grants CAP Goal Targets	9.1 Quarterly Getting Payments Right CAP Goal Targets 9.2 Quarterly Results Oriented Accountability of Grants CAP Goal Targets 9.3 Publish Financial Data Strategy	9.1 Quarterly Getting Payments Right CAP Goal Targets 9.2 Quarterly Results Oriented Accountability of Grants CAP Goal Targets
Action 10: Integrate Geospatial Data Practices into the Federal Data Enterprise				10.1 Establish the NSDI strategic plan 10.2 Publish a GeoPlatform providing standards-compliant web services for NGDAs 10.3 Engage with other relevant councils 10.4 Publish NGDA Data Theme datasets with standards compliant metadata and webservice endpoints 10.5 Track NGDAs for implementation of standards

Shared Solution Action Step	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Action 11: Develop a Repository of Federal Enterprise Data Resources				11.1 Make regular updates to resources.data.gov in response to stakeholder input 11.2 Track growth and success of the site 11.3 Engage stakeholders to prioritize content
Action 12: Create an OMB Federal Data Policy Committee	12.1 Launch FDPC 12.2 Set priorities for 2020			12.3 Carry out at least 1 data policy coordination activity
Action 13: Develop a Curated Data Skills Catalog	13.1 Share draft catalog contents with CDOs and other stakeholders	13.2 Collect input and make revisions		13.3 Publish the catalogue on resources.data.gov 13.4 Transfer responsibility for maintenance to the CDO council
Action 14: Develop a Data Ethics Framework		14.1 Initial examination of ethical issues encountered across data life cycle		14.2 Release initial Data Ethics Framework and Use Cases 14.3 Transfer responsibility for review and update
Action 15: Develop a Data Protection Toolkit				15.1 Release initial toolkit 15.2 Release updated Report on Statistical Disclosure Limitation Methodology
Action 16: Pilot a One-stop Standard Research Application	16.1 Create pilot portal	16.2 Recruit users to try the portal and give feedback		16.3 Publish report describing success of the project and feedback that will inform future improvements
Action 17: Pilot an Automated Tool for Information Collection Reviews that Supports Data Inventory Creation and Updates		17.1 Develop pilot tool		17.2 Test tool with at least two agencies 17.3 Engage stakeholders for feedback on the tool 17.4 Publish report describing agency tests and stakeholder input
Action 18: Pilot Enhanced Data Management Tool for Federal Agencies	18.1 Demonstrate pilot and initial feature set with a pilot Federal agency 18.2 Infrastructure/Security Roadmap for production platform	18.3 Achieve interoperability with continually updated Federal open data metadata schema 18.4 Develop business plan and cost Model	18.5 Onboard agency customers	18.6 Demonstrate increased dataset availability and improved usage
Action 19: Develop Data Quality Measuring and Reporting Guidance		19.1 Completion of report on best practices for reporting on output quality		19.2 Completion of metadata guidance for use by data originators 19.3 Develop tools to aid metadata maintenance
Action 20: Develop a Data Standards Repository				20.1 Develop repository with communities, frameworks, and schemas