

Understanding Federal Data Governance Policies



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01

Federal Data Strategy

Why FDS was introduced & Its vision





FDS Mission

Establish a government-wide vision for federal data management by 2030.

Ensure consistent, reliable, and privacy-preserving access to data.



Core Objectives

Increase data sharing and usability for decision-making.

Strengthen agency capacity through tools, models, and training.

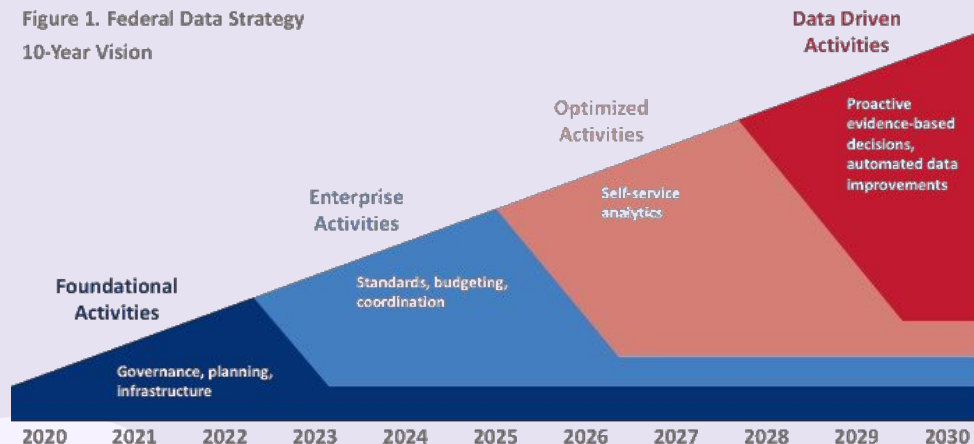


2021 Focus

Build governance, planning, and infrastructure foundations.

Empower Chief Data Officers (CDOs) to lead ambitious but achievable goals.

Figure 1. Federal Data Strategy
10-Year Vision



02

2020 Action Plan

**Successes &
Lessons Learned**



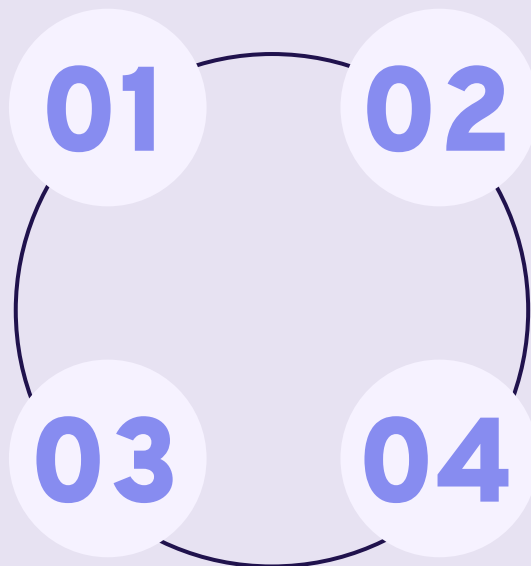
Foundations for FDS

Governance

- Established the Federal Chief Data Officer (CDO) Council for collaboration.
- Created cross-agency initiatives like the COVID-19 Working Group

Infrastructure

- Improved data inventories on Data.gov for transparency and usability.
- Piloted tools for AI research and data management



Planning

- Conducted operational maturity assessments to establish baselines.
- Launched data upskilling programs and developed tools like the Data Skills Catalog.

Lessons Learned

- Foster flexibility and collaboration through interagency councils.
- Align milestones with budgets and ensure clear guidance.

**Data &
Society**

03

Agency Actions

2021 Focus &
Goals for
Improvement



Building on Lessons Learned

The 2021 Action Plan builds on 2020's lessons, focusing on improving foundational governance, planning, and infrastructure while preparing agencies for enterprise-level activities by 2023.

Agencies are encouraged to assess capabilities, prioritize activities that align with their missions, and leverage flexibility to address diverse maturity levels and needs.



6 Agency Actions of 2021

1. Gather and
Assess Data
Identified for
Priority Agency
Questions

2. Mature Data
Governance

3. Data and
Infrastructure
Maturity

4. Increase Staff
Data Skills

5. Publish
Agency Open
Data Plans

6. Improve Data
Inventories

See speaker notes
for more details...

04

Community of Practice and Shared Solution Actions

Community of Practice Actions:

These are specific projects led by groups of agencies working together on common data challenges.

Shared Solution Actions: These are government-wide initiatives, led by specific agencies, to create solutions that benefit all agencies.

5 Shared Actions of 2021

**1. Artificial
Intelligence and
Automation**

**2. Government-Wide
Dashboards and
Infrastructure**

**3. Data Skills
Workforce
Development**

**4. Interagency
Wildland Fire
Fuels Data
Management**

**5. Geospatial
Data Practices**

See speaker notes
for more details...

Impact of the changes for Government Data Governance

- **Building on 2020:** The 2021 Action Plan builds on the momentum from 2020 by prioritizing cross-agency collaboration and shared solutions. This will help us achieve greater efficiency and effectiveness in our use of data.
- **Long-Term Vision:** The FDS is a ten-year roadmap for leveraging data to improve government services and decision-making. It outlines a comprehensive strategy for using data to benefit the American people.
- **Iterative Approach:** Future Action Plans will continue to evolve and adapt. We will build on our successes, incorporate emerging technologies, and align with federal policies and programs. This iterative approach ensures that the FDS remains relevant and effective.



Potential Challenges for Implementation of FDS

- **Agency Needs and Maturity:** Agencies have diverse missions, resources, and data maturity levels. A "one-size-fits-all" approach may not be effective.
- **Data Quality and Security:** Agencies need to ensure the quality, accuracy, and security of the data they collect, manage, and share.
- **Workforce Development:** Many agencies lack the necessary workforce with data skills to implement the FDS effectively.
- **Funding and Resources:** Implementing the FDS requires sustained investment in data infrastructure, technology, and personnel.
- **Data Sharing and Collaboration:** Effective data sharing across agencies and with the public requires strong governance frameworks and collaboration mechanisms.
- **Privacy Considerations:** Agencies must balance the benefits of data sharing with the need to protect individual privacy.



THANKS !

Do you have any questions?

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