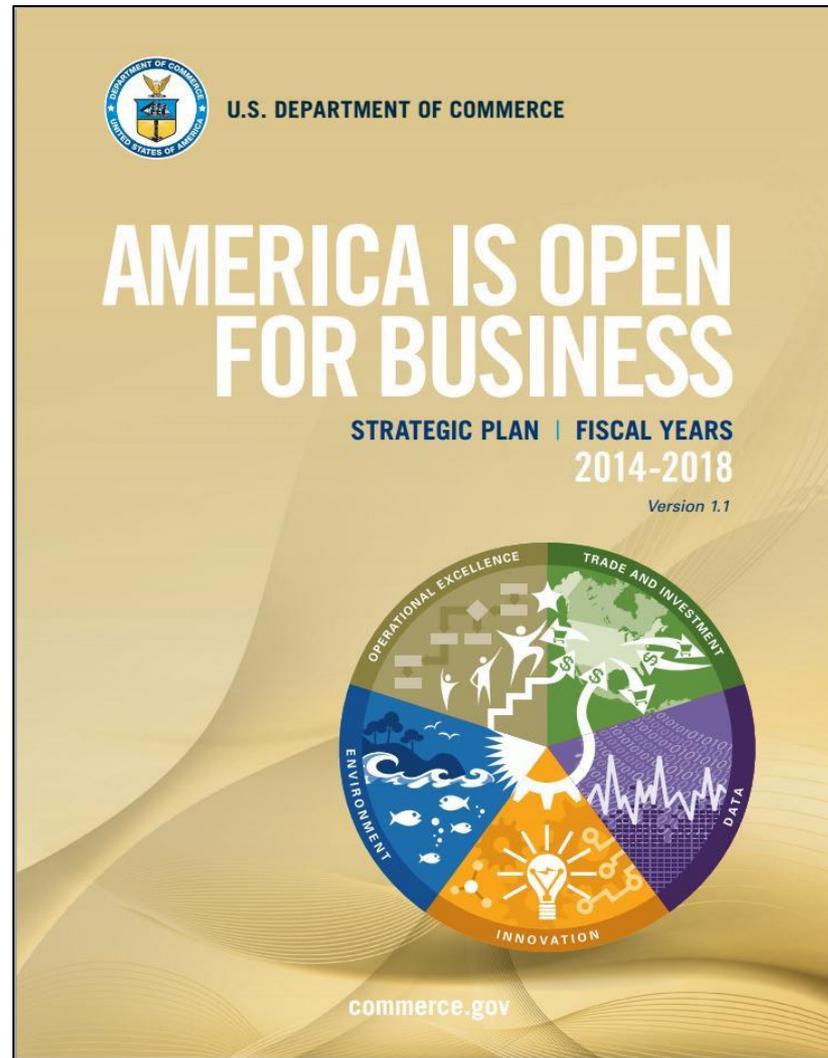




Strengthening America's Data Agency

DOC Update and Response to CDAC
Recommendations

Data Introduction & Strategic Plan Revision



Review of DOC Data Goal and Strategic Objectives

- **Strategic Goal:**
 - Maximize the positive impacts of Commerce data on society.
- **Strategic Objectives:**
 - **Fuel economic growth** by unleashing Commerce data and making it easier for businesses, communities, and citizens to access, analyze, and use the data.
 - **Create data-driven government** by combining and using data in new ways to increase the efficiency, effectiveness, and security of Commerce programs.
 - **Deliver data services** by leveraging advances in data science, software development, and standards to accelerate product innovations.



Preliminary Survey of Data Strategies and Initiatives

Objectives



Strategies



Initiatives

Fueling
Economic
Growth

- **Smart Cities Initiative** – Census’ Data Integrator, Cyber-Physical Systems Program, community broadband data access, and regional grants from EDA and MBDA.
- **Real-Time Economic Products** – Improving existing products with data science.
- **Modernizing Patent Data** – Deploying the Open Data & Mobilization Roadmap.
- **Unleashing Weather and Climate Data** – The Big Data Project.
- **Trade Data Services** – “New Exporters” project, Trade Developer Portal, Service Delivery Modernization Project, and the International Trade Data System.

Creating
Data-Driven
Government

- **Census Innovation** – Redesigning demographic products, Income Data Project, American Community Survey Redesign, and Enterprise Data Collection.
- **Data Protection** – Privacy solutions and Administrative Data Sharing Project.
- **Performance Analytics** – DATA Act implementation.

Delivering
Data Services

- **Commerce Data Service** – Entrepreneurial team delivering products to Bureaus.
- **Software Developer Toolkits** – Build and share new data tools, implement user engagement best practices, and deploy agile delivery methodologies.
- **Big Data Enterprise Framework** – Commerce Interoperability Architecture.
- **National Technical Information Service** – Implement Evolution Action Plan.



Previous CDAC Recommendations

The two dozen previous recommendations summarize to:

1. Improve Data Being Generated & Acquired
2. Improve Commerce's Dissemination of Data
3. Institutionalize a corpus of data skills within Department
4. Act More Like a Business When Managing Data

Note: Complete categorizations with unedited quotes available in slide notes.



Recent Accomplishments

Commerce Department

- Trans-Pacific Partnership's major gains for the digital economy.
- Engaging public innovators through data competitions.
- Supported launch of White House Community Impact Map.
- Announced \$20 Million in Smart City grants.
- Released new data products like "World population" and "Business Builder" from Census as well as "PatentsView" from PTO.

Commerce Data Service

- Launched Smart Cities Data Integrator, a valuable software development kit.
- Identified significant cost savings through open source software.
- Launched CDAC working group to do proactive trade-customer outreach.
- Launched partnerships with five universities on data science.
- Commenced pilot of new employee data training program.



Commerce Data Service: Critical Part of Data Plan



- Shared services model designed to support Bureaus' missions
- Commerce Data Service will provide:
 - Rapidly deployable data expertise to build products for on-going projects
 - Help leveraging NTIS's unique capabilities, tools, and services
- Valuable to Bureau because:
 - Accelerates accomplishment of goals
 - Builds capacity within teams
 - Provides clear return on investment
- Not housed within one Bureau, allowing solutions to scale.



Suggested Themes for Future CDAC Meetings

- **Fueling economic growth** (Winter 2016)
- **Delivering data services** (Spring 2016)
- **Creating data-driven government** (Fall 2016)



Running Through the Tape

“Are we headed in the right direction strategically?”

“How do we want the **CDAC’s impact** to be measured?”

“What are the best overarching performance metrics?”





Action Items & Next Steps