

# Developing the FY25-28 U.S. Department of Commerce Data Strategy: Promise, Purpose, and Partnership



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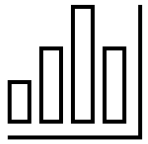
# Data is critical to our ability to compete



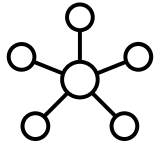
- SGR: US is in competition with China
- McKinsey: More liquid public data can unlock \$3-\$5 trillion in economic value
- Data is key to executing our program portfolio



# Highly dynamic data landscape



New data sources



New data architectures



AI

**Where we are: We have world-leading data equities, but lack connective tissue**



# Key Considerations for New Data Strategy

- Generational technology that can transform how we operate and our users' expectations in countless ways
- Step-wise increase in scale of access to insights and workflows across our employee base and their tasks
- Trust in data is more important than ever as AI is more integrated in our work





# Data strategy needs to be aligned to the Department's maturity goals and business priorities



# 5 Data Workstreams Tied to DOC Business Goals

- American Competitiveness in Critical and Emerging Tech
- Place-Based Community Development
- Climate Resilience
- AI-Ready Data
- HR Analytics



# Trustworthy data that is AI-Ready is a great motivator

- Data as a product
  - Discoverable and observable
  - Well-described semantics
  - Security and permissions
  - Data lineage and transforms
- Our ability to do GenAI well hinges on all of our data across our data being stewarded in ways that promote trust and discoverability





# DoC should be a world leader in Data & Responsible AI

- We build on enormous strengths:
  - NOAA AI Center
  - NIST assets (AI Safety Institute)
  - Unparalleled data assets
- We have many important use cases
- AI-readiness is a common challenge with a growing vendor ecosystem that supports it
- It will take a strategy and a different way of operating to adequately prepare for it



# Collaborative approach to developing the data strategy

**Landscape analysis** provided essential context about DOC's capabilities relative to mission needs; helped the department define the strategic objectives to be achieved and challenges to be overcome through the Data Strategy



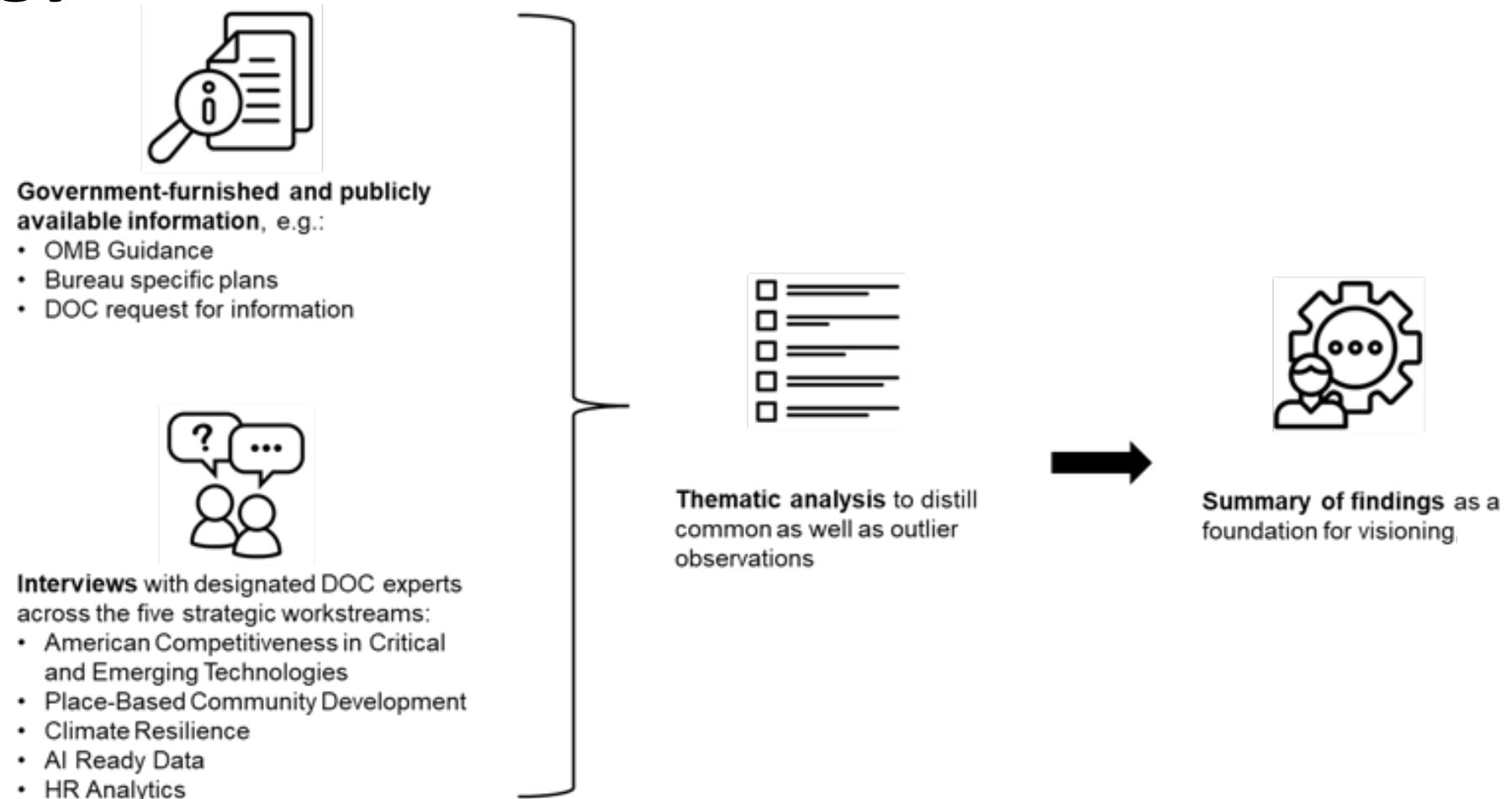
**Visioning sessions** drew on the landscape analysis to develop a shared understanding of common challenges and differences across DOC, allowing us to shape a shared vision for the enterprise data environment and for each of the strategic workstreams



**Data strategy and recommendations** formulated the path forward for DOC, including defined outcomes, specific strategies, and indicators of progress over time



# Collaborative approach to developing the data strategy



# The FY 28 Vision:

Data is a **competitive asset** in achieving the Department's mission

## Capabilities needed by FY28

- **Data catalogues** to improve data discoverability and to instrument data governance policies
- **Secure, shared data environments** and APIs to automate access to needed data
- **Domain-relevant data governance** to improve data quality and interoperability
- Data and AI **training and skills development**
- **Community-building and engagement infrastructure** to promote collaboration

