



Evidence Building and America's DataHub

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Advisory Committee on Data for Evidence Building
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National Center for Science and Engineering Statistics
Social, Behavioral and Economic Sciences
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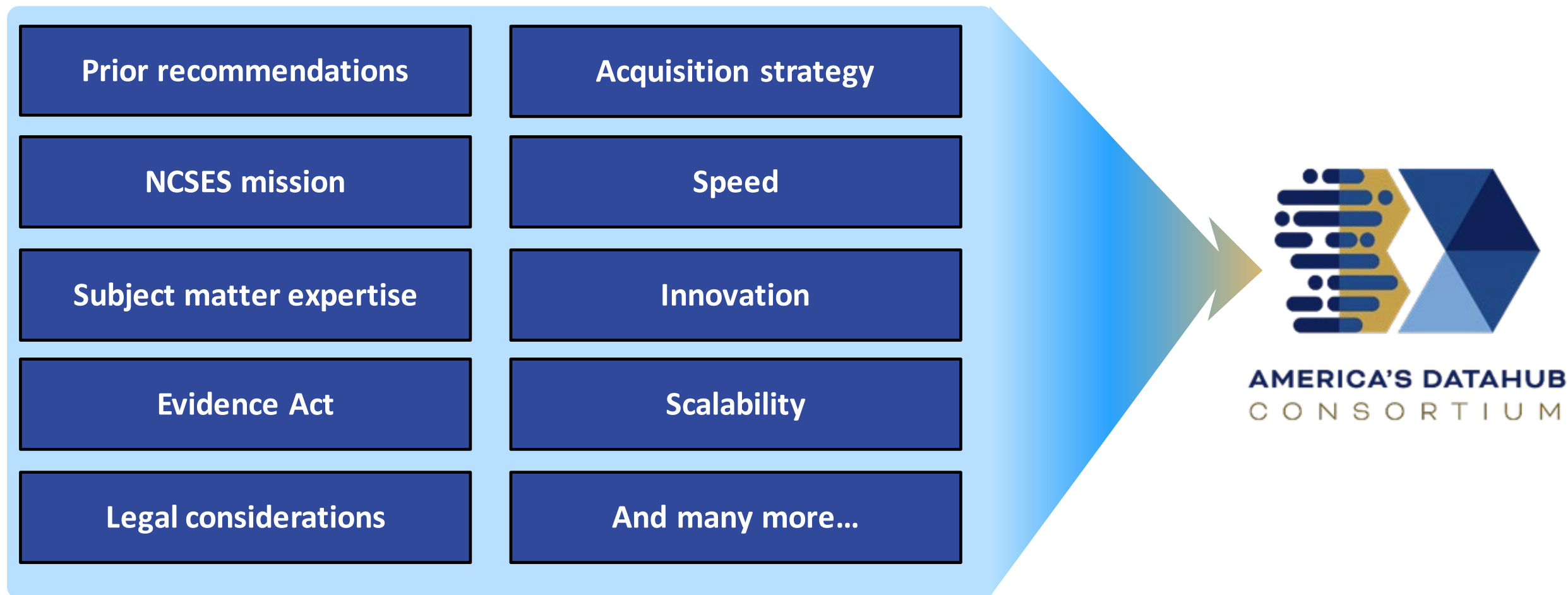
Key takeaways

- America's DataHub is a demonstration project for exploring evidence building opportunities and challenges
- The structure is flexible, scalable, and promotes collaboration and partnerships
- Our phased implementation approach allows for a focus on different aspects of evidence building such as technology and cultural and legal barriers and lends itself to the trial and error that is critical for success

Keith talked earlier about the transformative vision for America's DataHub

America's DataHub will coalesce the statistical community and involve the collection, interpretation, analysis, and dissemination of data on science, engineering, technology, and research and development, including innovative services that involve data access and linkage and that address security and privacy concerns

As Keith outlined, forming ADC was a daunting challenge



At NCSES we provide critical information on the scientific progress that drives American well-being

Mission: policy-neutral policy-relevant statistical data on the U.S. science and engineering enterprise often in a global context

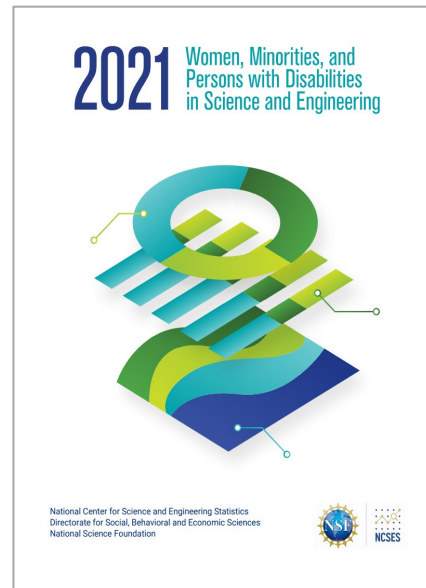
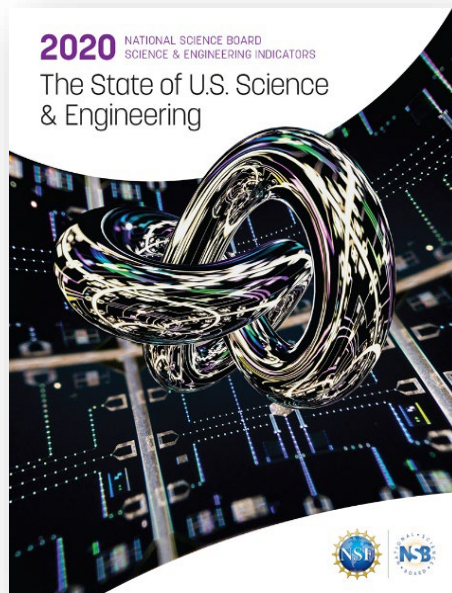
Federal clearinghouse for data that provides key insights on the American economy, responsibility for data on:

- Research and development
- Science and engineering workforce
- US competitiveness in science, engineering, technology, and R&D
- Condition and progress of STEM education

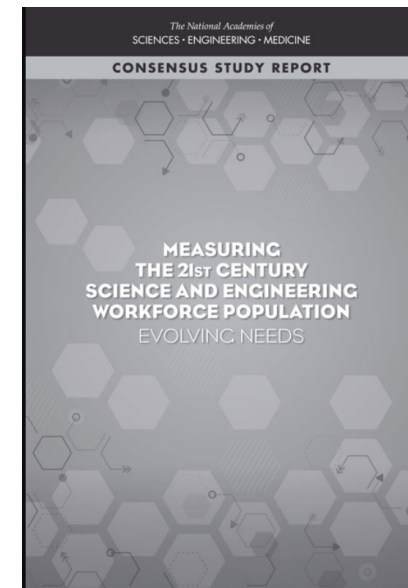


We formed America's DataHub to advance our work and support government-wide needs

Congressionally Mandated Reports



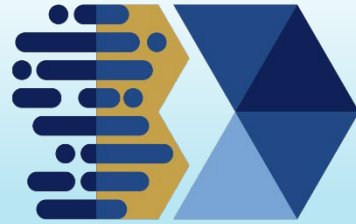
External Recommendations



The DataHub in action: bridging the knowledge gap on global science and engineering talent

INFORMATION GAPS AND DISPARATE DATA...

about global science and
engineering talent



AMERICA'S DATAHUB
CONSORTIUM

POLICY-RELEVANT EVIDENCE...

about global science and
engineering talent

Return on investment

Privacy

Presumption of
accessibility

Permanent
residency and
citizenship

Data access and linking

Models

KNOWLEDGE GAP

But America's DataHub is designed to go beyond the NCSES mission

NCSES Legal Authority



AMERICA'S DATAHUB
CONSORTIUM

Functions

- ✓ Expand public access to federal survey data
- ✓ Acquire and integrate administrative and other non-traditional data sources
- ✓ Provide data-linkage capabilities
- ✓ Ensure privacy protection protocols are followed
- ✓ Foster working relationships among all levels of government and non-government
- ✓ Analyze data and produce new and improved data products
- ✓ Expand information dissemination through new media

Outcomes



Modernized data infrastructure



Increased innovation

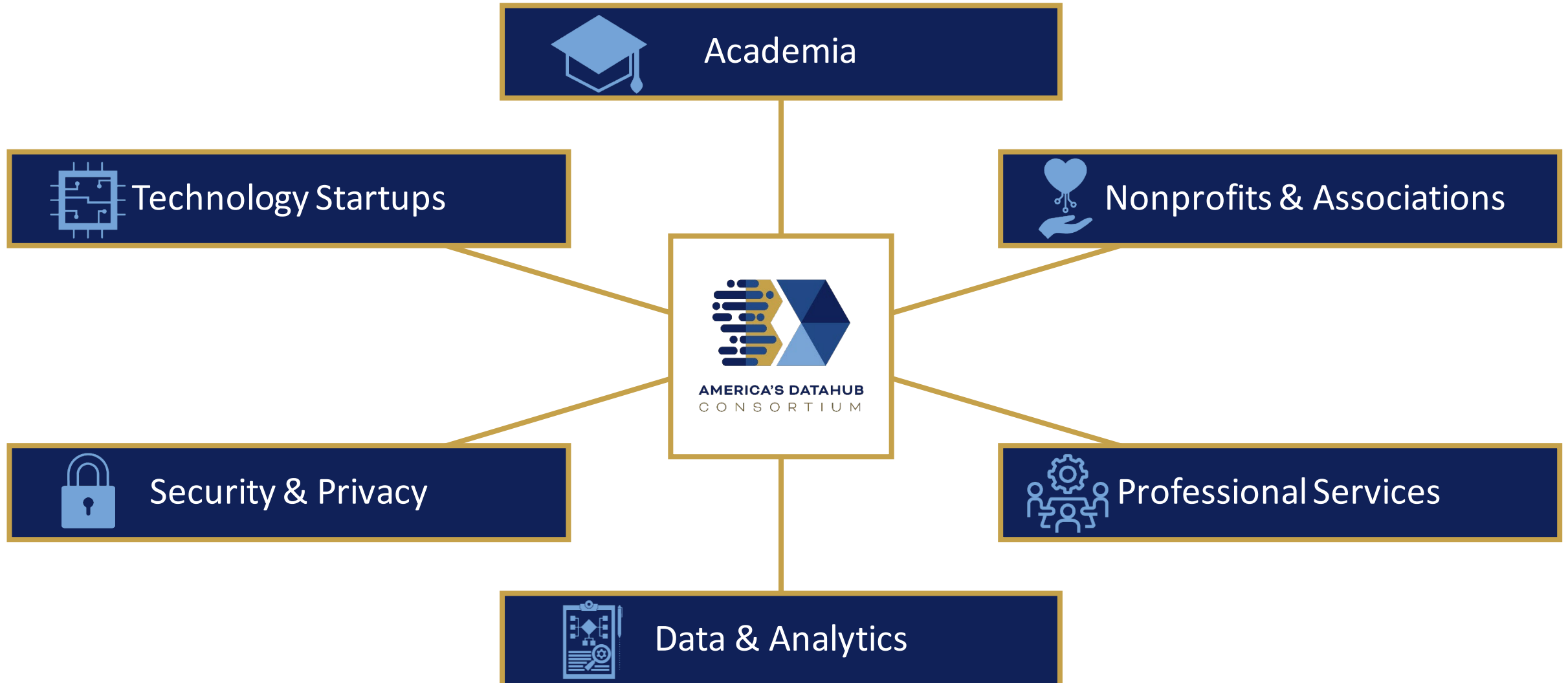


Expanded partnerships

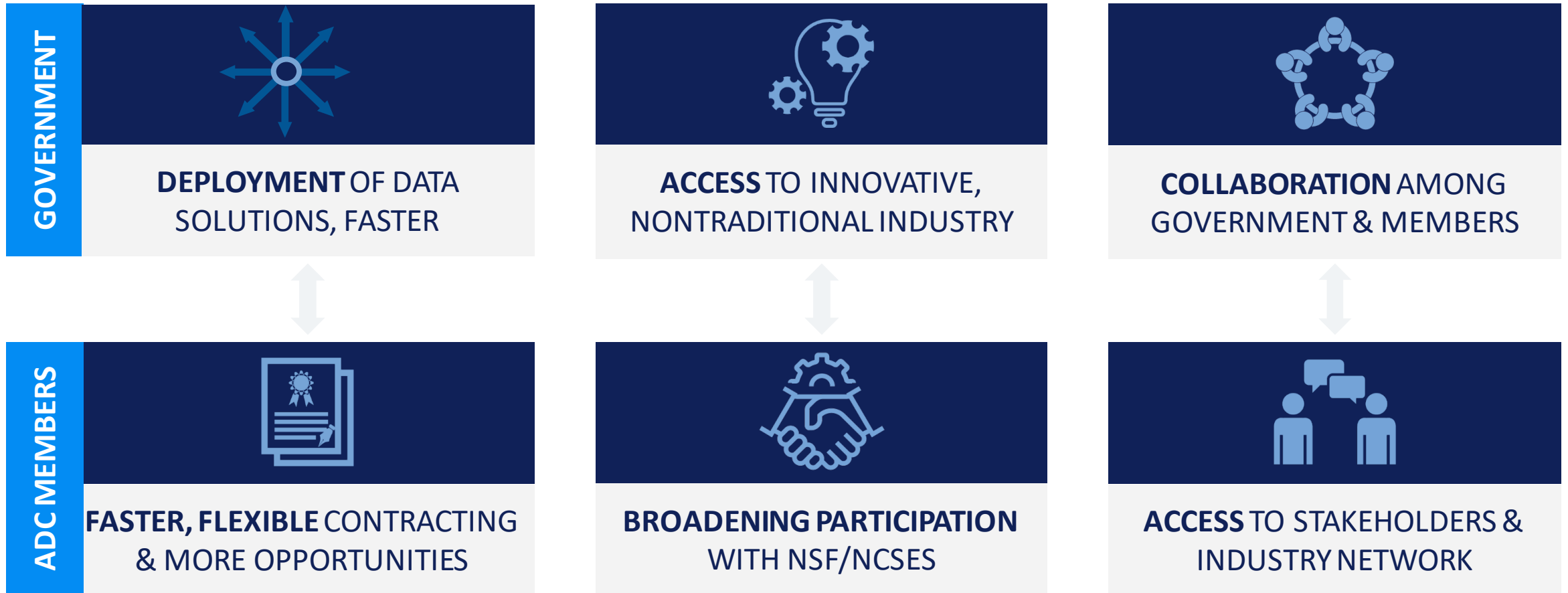
We are taking a phased implementation approach

	PHASE 1 0-12 Months	PHASE 2 12-24 Months	PHASE 3 24-36 Months	PHASE 4 36 Months +	Informs... NSDS
Priority Considerations	Technology	Legal Barriers Legislation Technology	Governance Sustainability Legal Barriers	Resources Sustainability	
Focus Areas	Data Linkage Data Security and Privacy	Data Access Data Linkage Data Security and Privacy	Data Infrastructure Data Access	Data Infrastructure Data Access	
Project Requestor	NCSES/NSF	Other Agencies	Individual decision and policy-makers and researchers	Broad public with evidence- based needs	

The consortium structure will enable us to bring in different expertise and experience



The consortium model benefits all levels of government and prioritizes innovation



In conclusion...

- America's DataHub complements what you've heard about today:
 - Enabling evidence building
 - A more seamless, coordinated statistical system
 - The standard application process
- We've talked about the vision, structural options, benefits, and implementation approach...but there is much more to discuss

