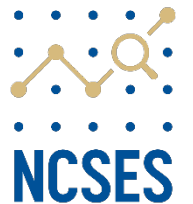




AMERICA'S DATAHUB
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America's DataHub Consortium Informational Webinar

October 14, 2021



Agenda

America's DataHub Consortium Vision

Emilda B. Rivers

National Center for Science and Engineering Statistics (NCSES) Director

America's DataHub Consortium Operations

Vipin Arora

National Center for Science and Engineering Statistics (NCSES) Deputy Director

How to get involved

Dolly Peltó

ATI, ADC Consortium Management Firm



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America's DataHub Consortium (ADC) Vision

Emilda B. Rivers

National Center for Science and Engineering Statistics (NCSES) Director



What is America's DataHub?



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Statistical Agency with Legal Authority



Activities

- ☒ 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



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Who is NCSES and Why Did we form ADC?



Who is NCSES - We are *NSF's Federal Statistical Agency*



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- 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

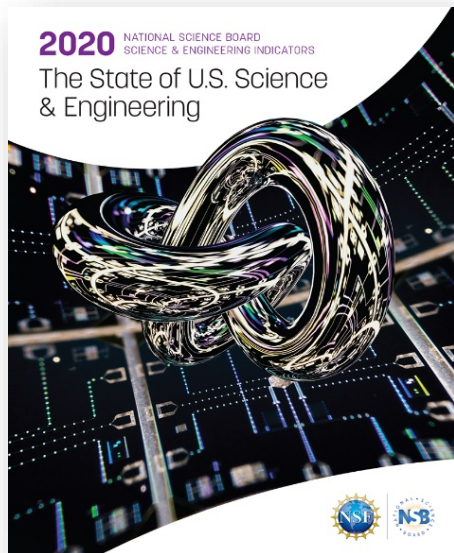


Why did we form ADC?



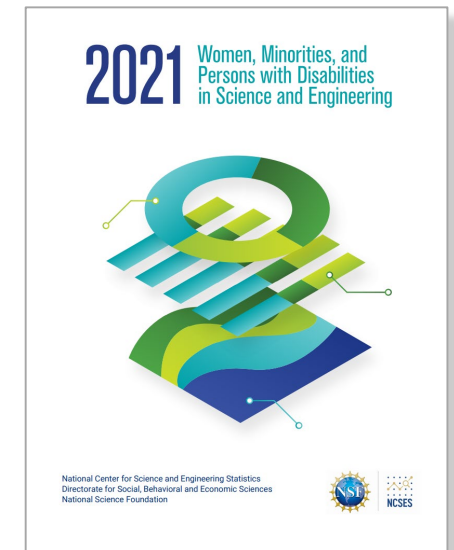
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NCSES's Policy Relevant, Policy Neutral Congressionally Mandated Reports Use A Variety of Data Sources



A Variety of Data Sources

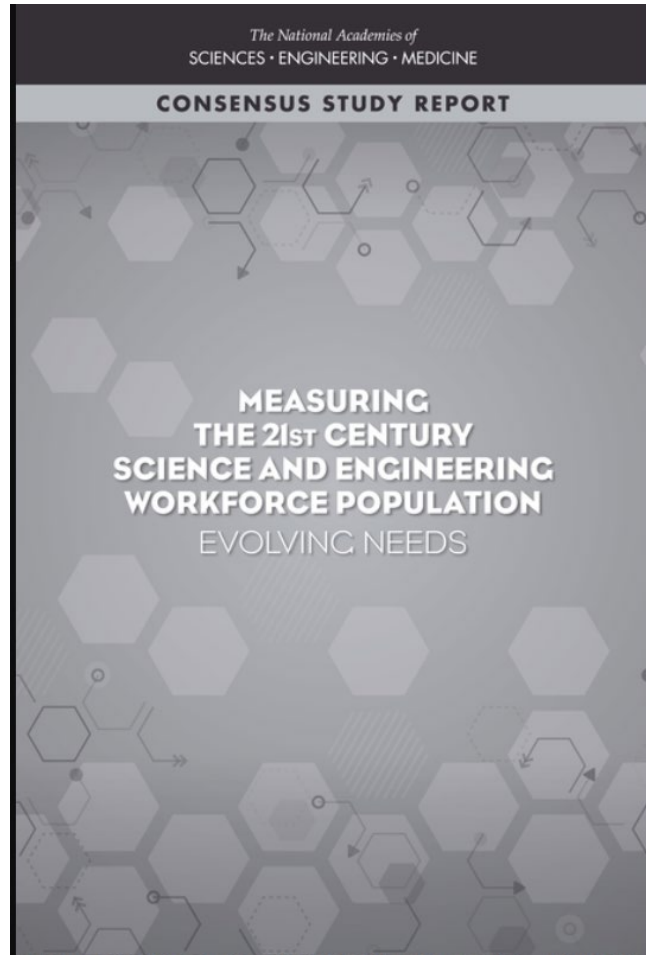
- NCSES survey data
 - University
 - Government
 - Individuals
- Census, BLS, NCES etc
- International, OECD data
- Bibliometric data
- Patent data information



Why did we form ADC?



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[Access Report](#)

In this 2018 study, the National Academies of Science recommended NCSES “*should consider establishing research centers of excellence.*” (Recommendation 6-2, p. 133)

“One or more centers of excellence focused on science and engineering statistics could fulfill a variety of functions.”

- Linking data and investigating options for expanding opportunities in this area
- Conducting analysis
- Conducting methodical research
- Supporting the development of the next generation of researchers

ADC Vision



The ADC will be an enduring national asset, where eligible people and secure data come together for collaborative research and decision-making that will benefit the American public.

The U.S. Data Ecosystem

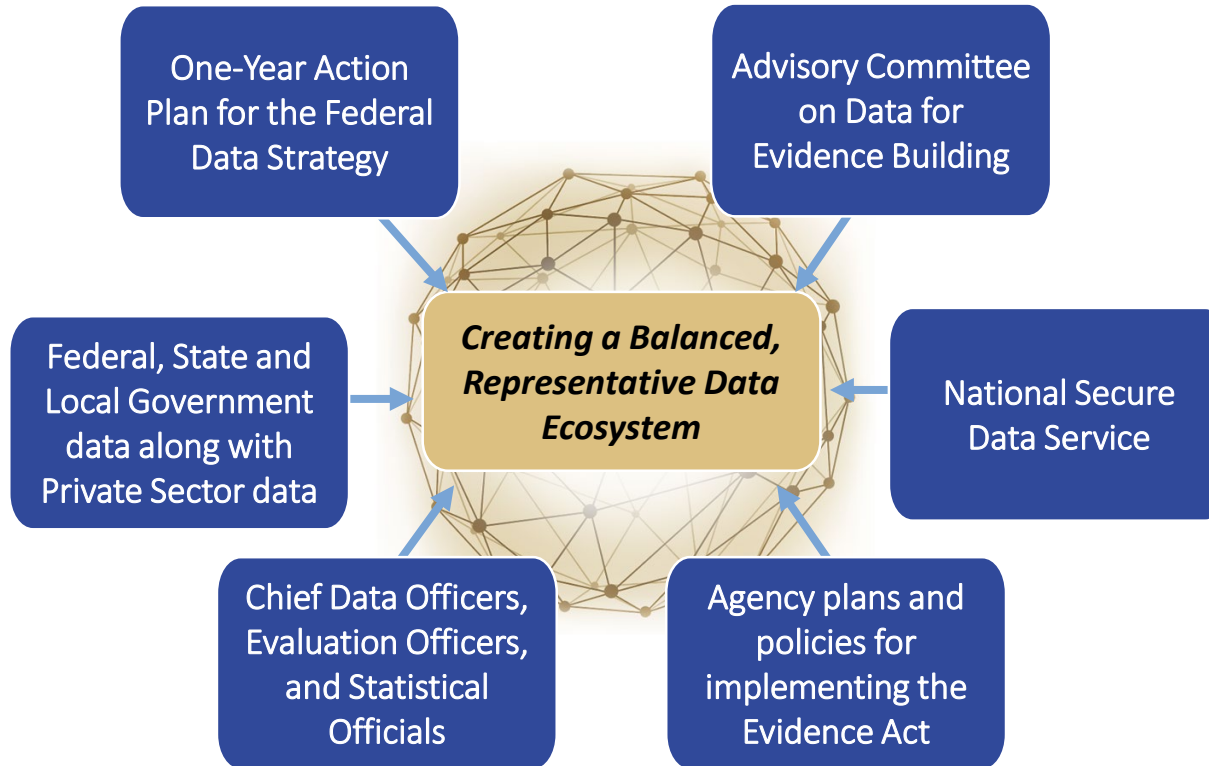


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**Pilot innovative
technologies and
processes for...**



ROADMAP



**ENHANCE the U.S.
DATA ECOSYSTEM**

Answering questions through real-life use cases that test theory and practice

ADC will Inform the Creation of NSDS



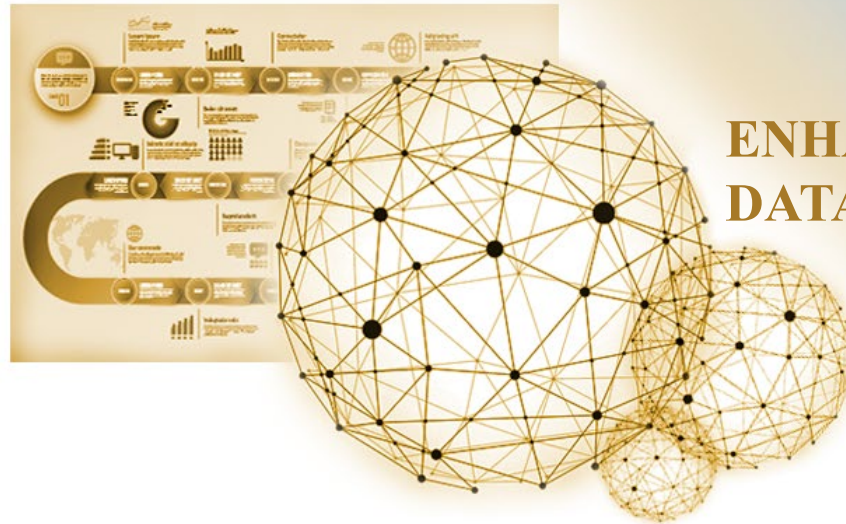
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Pilot innovative
technologies and
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ROADMAP



ENHANCE the U.S.
DATA ECOSYSTEM

NSDS

National Secure Data Service

...a data service that
supports government-
wide evidence-building
activities.

COLLABORATION will spur a DATA REVOLUTION

Considerations

- Technology
- Legislative
- Legal Barriers
- Governance
- Sustainability
- Resources



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America's DataHub Consortium Operations

Vipin Arora

National Center for Science and Engineering Statistics (NCSES) Deputy Director



Forming ADC was a Daunting Challenge



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Prior recommendations

Acquisition strategy

NCSES mission

Speed

Subject matter expertise

Innovation

Evidence Act

Scalability

Legal considerations

And many more...

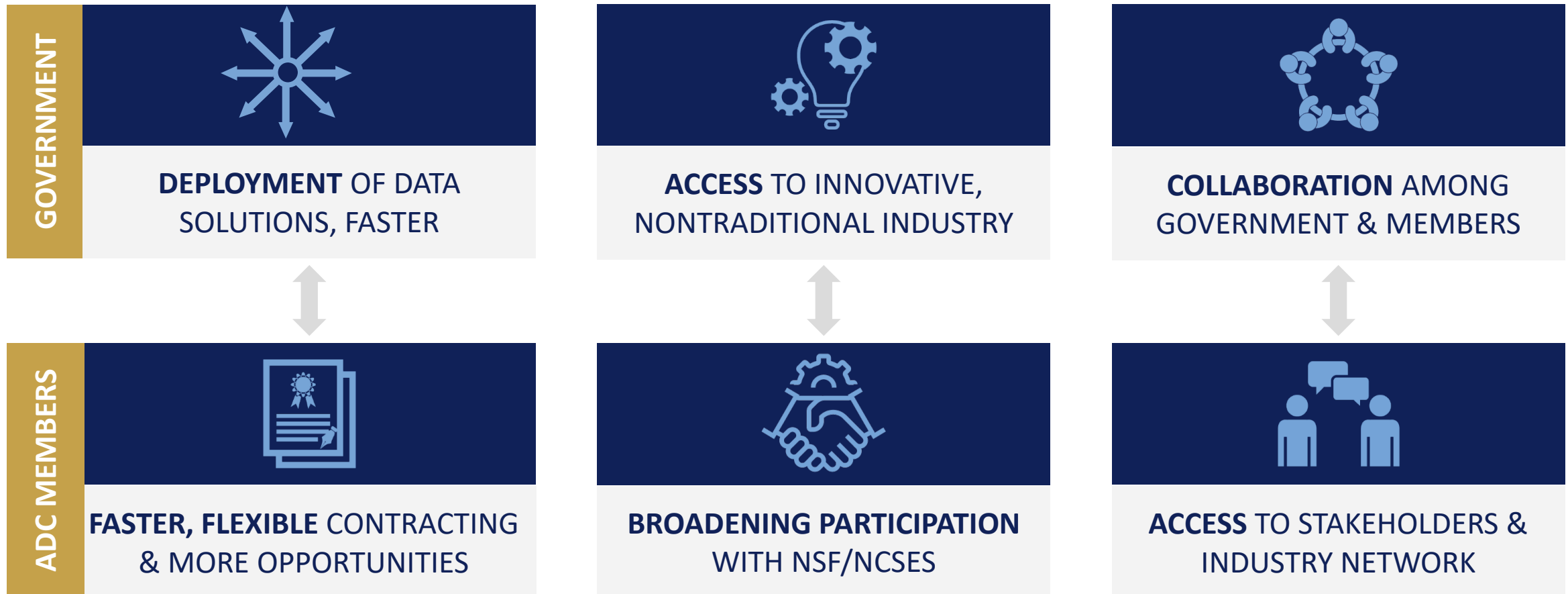


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The Consortium Model Benefits All Levels of Government and Prioritizes Innovation



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Collaborative Partnerships



Project Requestor
Organization or individual that submits a Topic/Question to be addressed by ADC members.



Government PMO
Lead agency, Agreements Officer (AO) and AO Representative

ADC Technical Advisory Committee
ADC member elected body to represent consortium constituency (to be formed)



Advisory Board
Governance body that provides guidance and oversight of ADC operations (to be formed)



 **AMERICA'S DATAHUB CONSORTIUM**
Industry leaders, nontraditionals, and academic organizations conduct the research projects.



Consortium Management Firm, facilitates ADC collaborative activities, contractual and financial administration of research projects.


Project Solutions

Collaborative Partnerships



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Project Requestors



Advisory Board

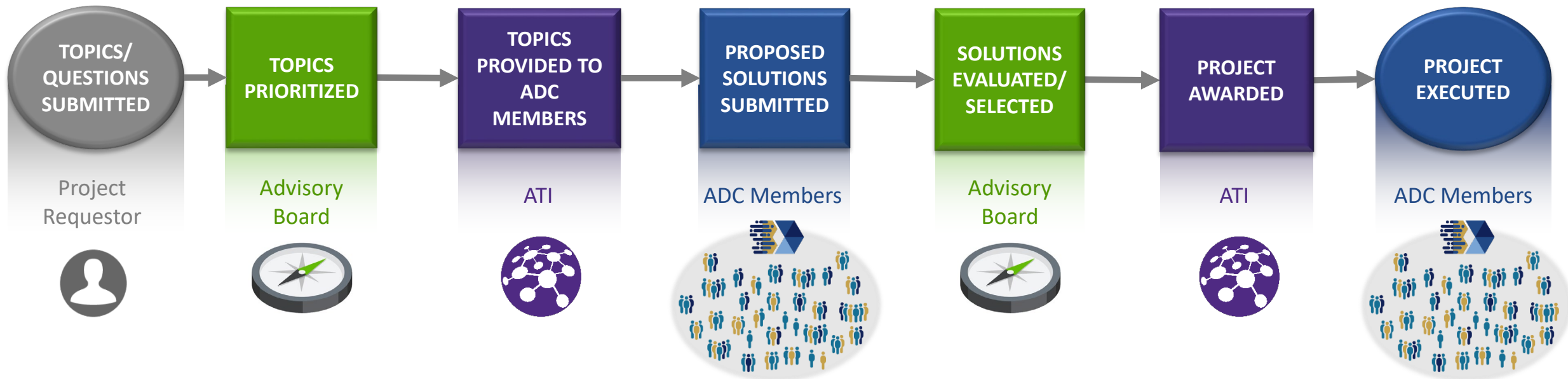


ADC members

How to use the ADC



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Project Award Announcements will be posted on ADC website

Phased Approach



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	PHASE 1 0-12 Months	PHASE 2 12-24 Months	PHASE 3 24-36 Months	PHASE 4 36 Months +
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

Informs...
NSDS



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Examples of Potential Stakeholders

PHASE 1

Foreign-born Workforce



Office of
Immigration
Statistics



Cybersecurity Workforce



PHASE 2

Disability and the Workforce



PHASES 3 & 4

Replication Studies



Office of
Immigration
Statistics



The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

Expanded Evidence Projects



Join us!



- **Industry/Academia:** [Join ADC](#) if you have not already
- **Government:** Get on the [mailing list](#) for future announcements
- First project-focused collaboration event coming soon!
- Questions? Email adc@ati.org

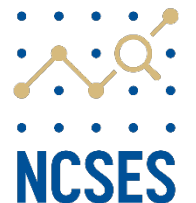


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How to Get Involved

Dolly Peltó

ATI, ADC Consortium Management Firm



ADC Members



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Visit the ADC Website



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<https://www.americasdatahub.org/>

Events, Project Awards, News, Members and more will be posted here

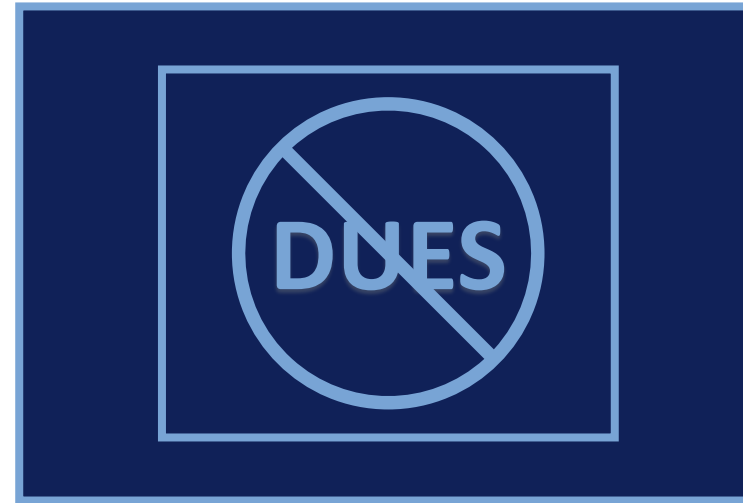
How to become an ADC Member



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Submit your application at
americasdatahub.org/how-to-join



Consortium membership dues
are **WAIVED**



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How Government Should Engage

GOVERNMENT

Government representatives that wish to join the ADC mailing list to receive updates regarding future ADC activities should submit the request form.

JOIN GOVERNMENT MAILING LIST

<https://www.americasdatahub.org/government-information-request/>

Join us!



- **Industry/Academia:** [Join ADC](#) if you have not already
- **Government:** Get on the [mailing list](#) for future announcements
- First project-focused collaboration event coming soon!
- Questions? Email adc@ati.org