

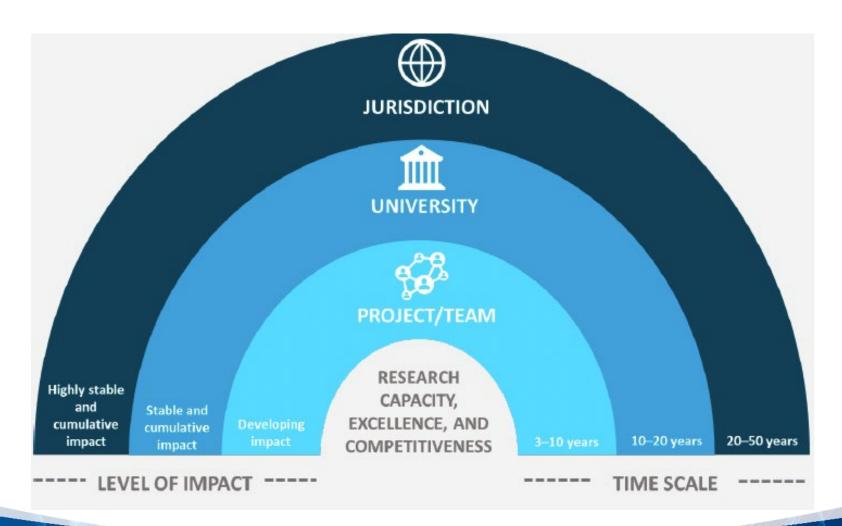
Understanding the Research Capacity of your Ecosystem

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Program Director
NSF EPSCoR

The U.S. National Science Foundation's EPSCoR program pursues a mission to enhance the research competitiveness of targeted jurisdictions (state, territory or commonwealth) by strengthening science, technology, engineering and mathematics (STEM) capacity and capability through a diverse portfolio of investments from talent development to local infrastructure.



We Need to Affect Research Capacity at Scale and Speed





There is a dependency

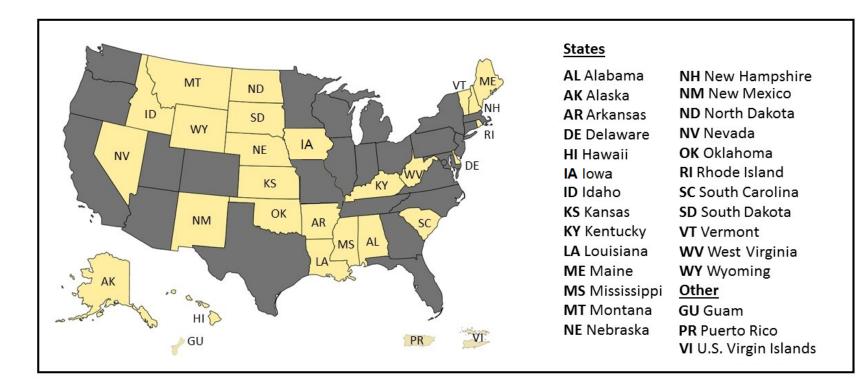
 developing the infrastructure necessary for sustained improvements to jurisdictional R&D capacity

conducting high-quality research

Need to know where you are



Each EPSCoR Jurisdiction is Unique



And lives in a PESTLE+G World

P-Political

E-Economic

S-Social

T-Technological

L-Legal

E-Environmental

+

G-Geographical

Need to know "where" you are



Requires each jurisdiction to have to look inward to know who and what is there for each element of the research ecosystem



NSF Investments

Community, Stakeholders, and Public Jurisdictional EPSCoR Steering Committee

S&T Plan



EPSCoR-RII Investments Other NSF Centers or Center-Like Activities (Not limited to state) Other NSF Investments Other Research or Translational Activities in State or Nationally Academic Institutions

Community Colleges

Emerging Research Institutions

Minority Serving Institutions

Primarily Undergraduate Institutions

R1 Institutions

State and Local Resources and State and Local Government Agencies Partnerships

- Industry Partnerships
- Tribal Partnerships
- Public and Private Partnerships

Other Federal Infrastructural Support e.g. NIH, USDA, DOE, DOD, NASA

Other Federal Infrastructure

Other Jurisdictional and Local Sectors

Jurisdictional Research Ecosystem (Irrespective of research topic)

Reflection and Analysis

NSF Investments

Community, Stakeholders, and Public

strategies

Implementation of

Jurisdictional EPSCoR Steering Committee

Incubator(s) (E-RISE) Other EPSCoR-RII Investments

Other NSF Centers or Center-Like Activities (Not limited to state) Other Research or Translational Activities in State

Academic Institutions

Community Colleges

Emerging Research Institutions

Minority Serving Institutions

Primarily Undergraduate
Institutions

R1 Institutions

Research Ecosystems Research Infrastructure Improvement Program (E-CORE RII)

Supporting an Administrative Core that Will Build:

- Administrative Core
- Evaluation
- Sustainability
- Communication
- Additional Cores as Selected by Jurisdiction

State and Local Resources and State and Local Government Agencies **Partnerships**

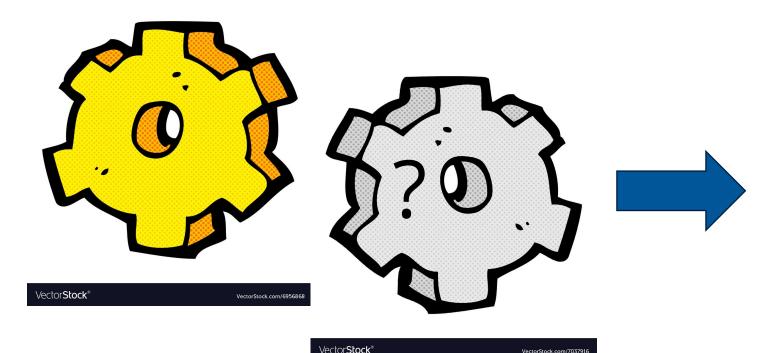
- Industry Partnerships
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- Public and Private Partnerships

Other Jurisdictional and Local Sectors

Other Federal Infrastructural Support e.g. NIH, USDA, DOE, DOD, NASA

Other Federal Infrastructure

The Multiple Cores



- All E-COREs are expected to:
- Build Connections
- Know the Jurisdictional Needs
- Move the needle in targeted areas of need in fundamental research for the jurisdiction
- Work together!

NSF Investments

Community, Stakeholders, and Public

strategies

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State and Local Resources and State and Local Government Agencies **Partnerships**

Industry Partnerships

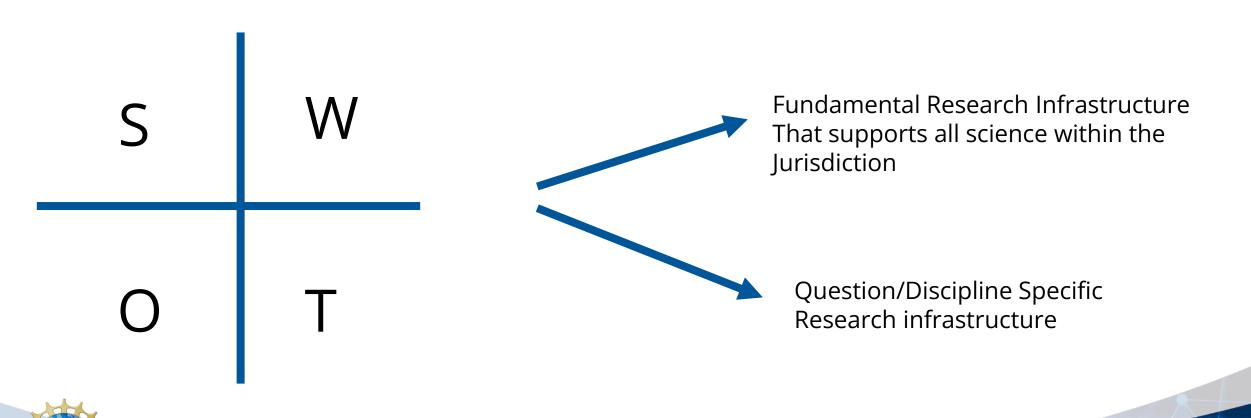
- Tribal Partnerships
- Public and Private Partnerships

Other Jurisdictional and Local Sectors

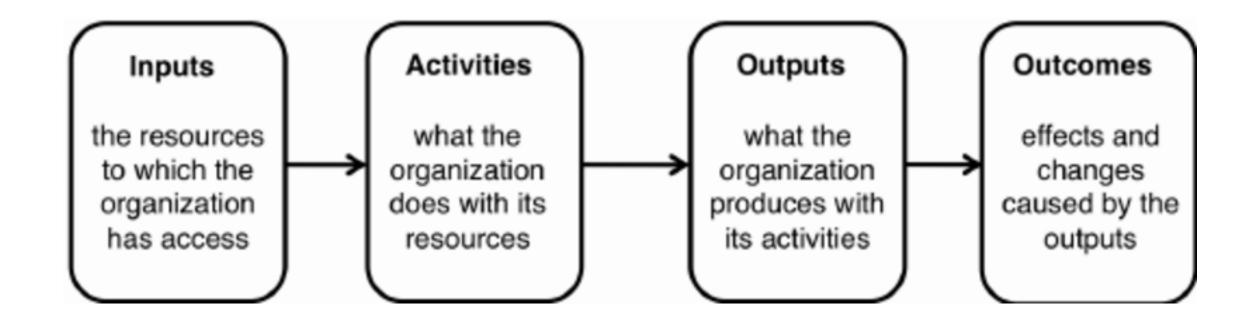
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Other Federal Infrastructure

How they interact



Form Logic Models/Theory of Change to where YOU as a Jurisdiction want to progress over time





Can be encapsulated in the Jurisdictional Science and Technology Plan

