

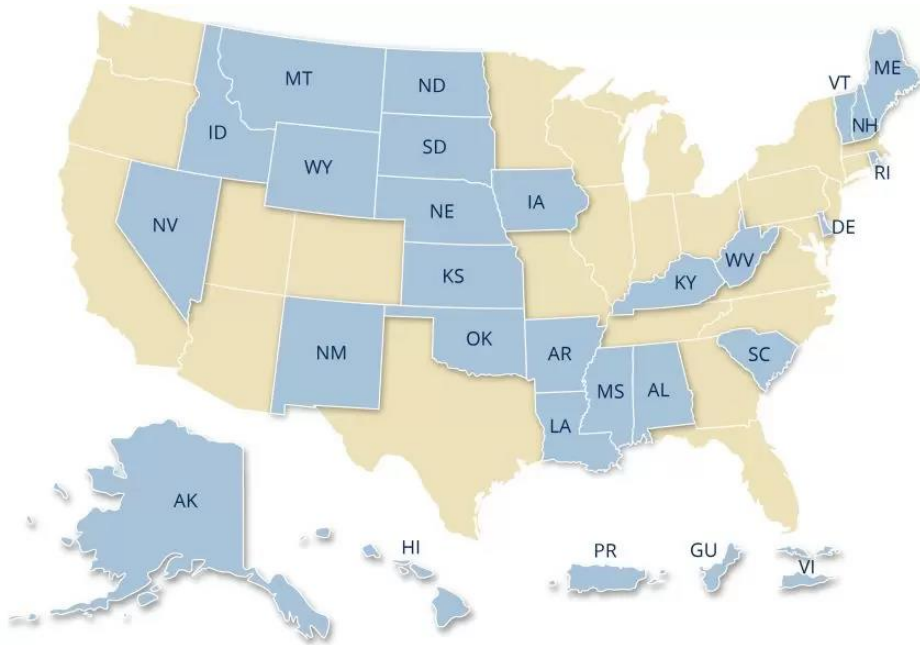


NH EPSCoR: Collaborative Approach to Research Administration

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NSF EPSCoR

28 Eligible Jurisdictions



- AL Alabama
- AK Alaska
- AR Arkansas
- DE Delaware
- GU Guam
- HI Hawaii
- IA Iowa
- ID Idaho
- KS Kansas
- KY Kentucky
- LA Louisiana
- ME Maine
- MS Mississippi
- MT Montana
- NE Nebraska
- NH New Hampshire
- NM New Mexico
- ND North Dakota
- NV Nevada
- OK Oklahoma
- PR Puerto Rico
- RI Rhode Island
- SC South Carolina
- SD South Dakota
- VI U.S. Virgin Islands
- VT Vermont
- WV West Virginia
- WY Wyoming

Funding Opportunities

~~R11 Track 1~~

Focused EPSCoR Collaborations

EPSCoR Research Fellows

E-CORE (ecosystem focused)

E-RISE (project focused)

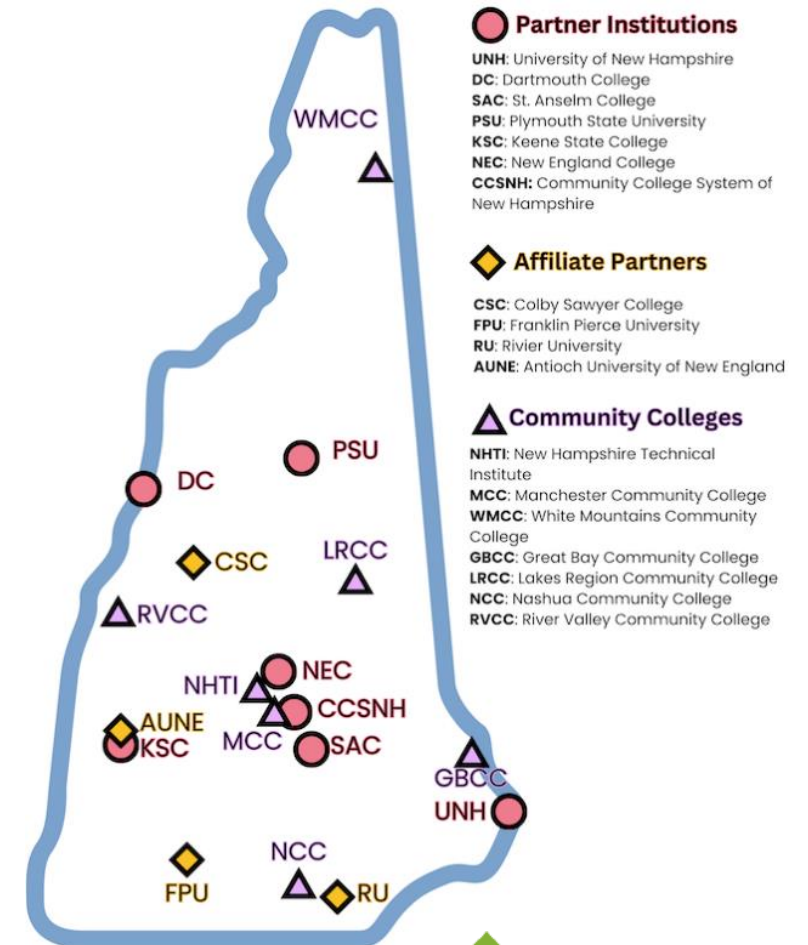
NSF EPSCoR E-CORE

- The E-CORE program supports jurisdictions in building capacity in one or more targeted research infrastructure cores that underlie the jurisdiction's research ecosystem.
 - Funded at \$2M/yr for 4 years, with possibility of renewing for additional 4 years
 - More than one E-CORE per jurisdiction allowed



Overview of New Hampshire Research Ecosystem

- Small state – geography and population
- Blend of public, private, 2-yr, and 4-yr IHEs that are not well integrated
- Research activity is heavily concentrated in just two locations - UNH and Dartmouth account for 99.8% of higher ed R&D activity
- NH industry is dominated by small businesses with minimal connections to higher ed and limited ability to pursue R&D
- Projected workforce gap of 190,000 jobs in the next decade
 - Net exporter of talent
 - 2nd oldest workforce in the country



Engagement strategy for developing E-CORE

Data Driven:

Compiled existing state-level reports to identify capacity strengths and gaps

- S&T plan, state workforce assessment, economic recovery & expansion strategy, R&D expenditures, employment data and projections

Inclusive:

Customer discovery approach to identify what stakeholders perceived to be the major challenges to building a dynamic and sustainable research ecosystem in NH

- Series of one-on-one and small group listening sessions, led by RD teams and state EPSCoR office; particular focus on primarily undergraduate institutions

Collaborative:

Collective approach to integrate inputs, gauge feasibility and impact of different approaches, identify assets and partners, and develop scope for E-CORE

- State EPSCoR committee, NH-INBRE, partner institutions, state S&T stakeholders

Summary of the E-CORE Proposal

NH-LIFT (NH Long-Term Investment to Fuel Transformative Research)

1 Vision: To create a collaborative and inclusive research ecosystem, where:

- students pursue research experiences in areas that align with their interests,
- academic and industry researchers expand their research pursuits through external funding and accessible research infrastructure,
- partnerships across sectors drive NH research innovation, and
- NH's skilled workforce-ready population is increased and retained.

17 Partner Institutions:

- Community College System of New Hampshire (7 CCs);
- 8 Primarily undergraduate-serving institutions;
- UNH and Dartmouth College, NH's two research universities;

4 Cores of activity:

- Research Support
- Academic Infrastructure & Research Facilities
- Early Career Research Trainee Pathway
- Administration



Long-term strategy for E-CORE progression



NH-LIFT structure and goals

Research Support Core

Broaden funded research participation at non-R1 institutions and small businesses through improved research support and service capacity

Academic Infrastructure & Research Facilities Core

Create a statewide network of core facilities to broaden access to advanced instrumentation and technical expertise in support of research, workforce training, and economic development.

Early Career Research Trainee Pathway Core

Increase student and early career researcher success through programming and partnerships to support mentoring, career development, and retention across the jurisdiction.

Administrative Core

Create a coordinated jurisdiction-wide culture of inclusion that connects and democratizes the research environment for all participants.

Research Support Core: Challenges to increasing research activity

Mission mis-match:

- No institutions in NH self-identify as emerging research institutions
- Few personnel and resources directed at supporting sponsored programs activities
- Some research, but embedded into teaching curriculum and/or during summer break

Isolation:

- Often only 1 person with multiple competing jobs responsible for research administration
- Limited to no research development support to identify applicable funding opportunities
- Where to turn when questions arise? How to keep up with changing rules and regs? What funding programs are coming/going?

Workforce training and retention:

- Few have access to NCURA materials or training modules
- Struggle with finding and retaining talent

Research Support Core

Form multi-institutional working group to:

1) Strengthen relationships (on-going)

- Phone-a-friend network
- Support administration of NH-LIFT sub-awards and on-boarding of new institutions

2) Refine understanding of research administration challenges in NH (year 1-2)

- Capture real and perceived barriers
- Discuss emerging research administration challenges
- Document workforce recruitment, training, and retention challenges and successes

3) Build cooperative strategies to increase research support capacity at smaller institutions (year 2-4)

- Shared services models?
- Professional development mentorship & training
- Career pathways
- GRANTED, EPIIC, etc. proposals to provide resources

Discussion



EPSCoR

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