

OAC Funding Opportunities for the MS-CC Community

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Program Director
Office of Advanced Cyberinfrastructure

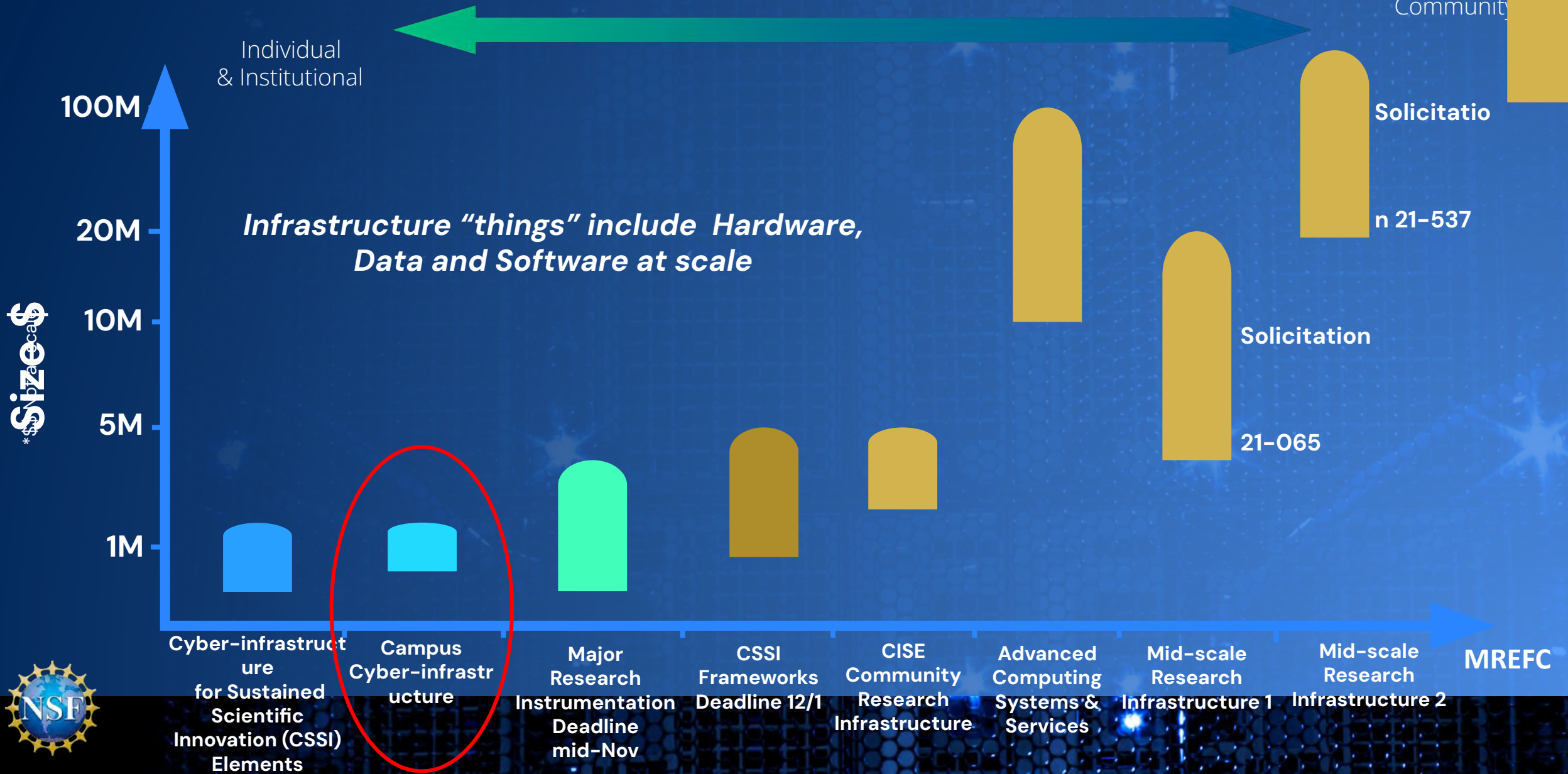
October 29, 2024



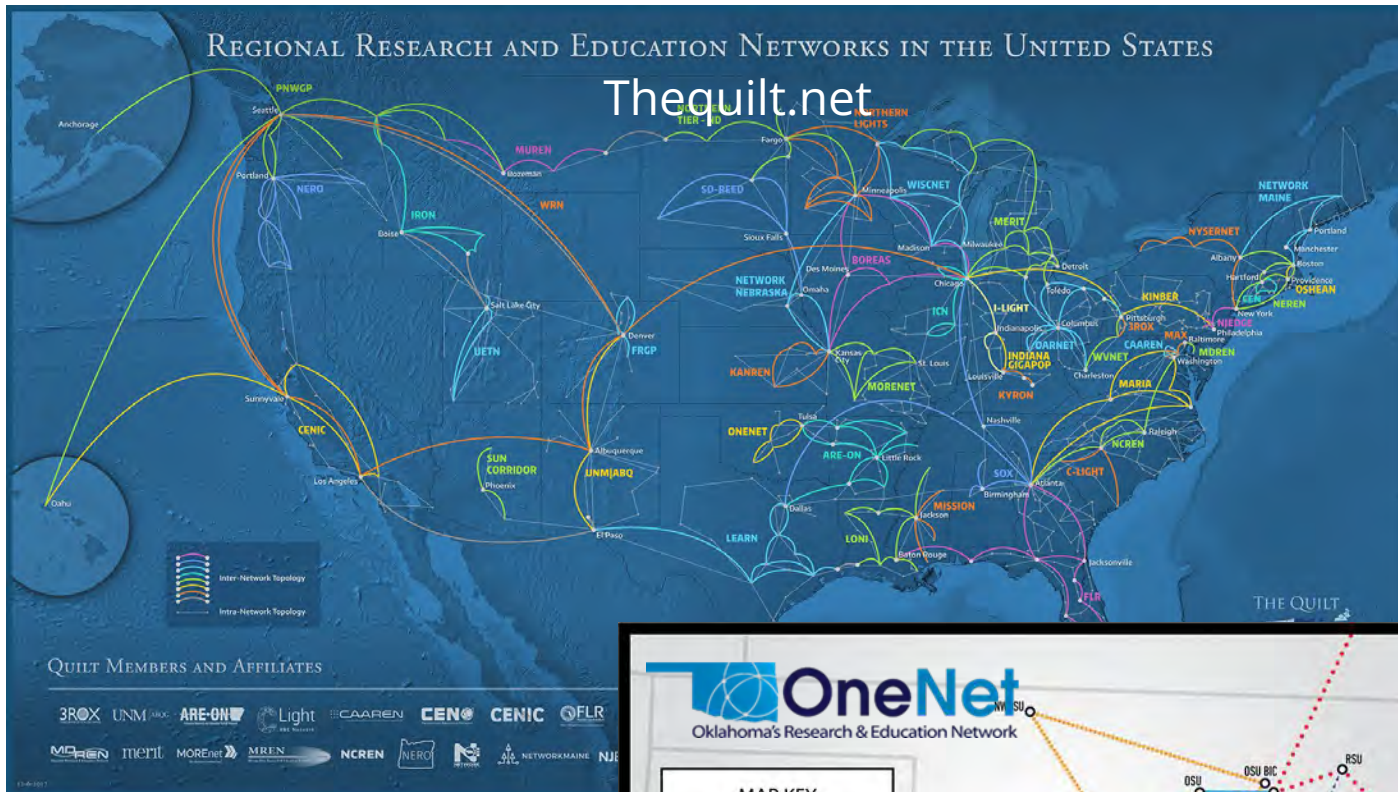
Programmatic directorates and offices supporting the NSF Mission



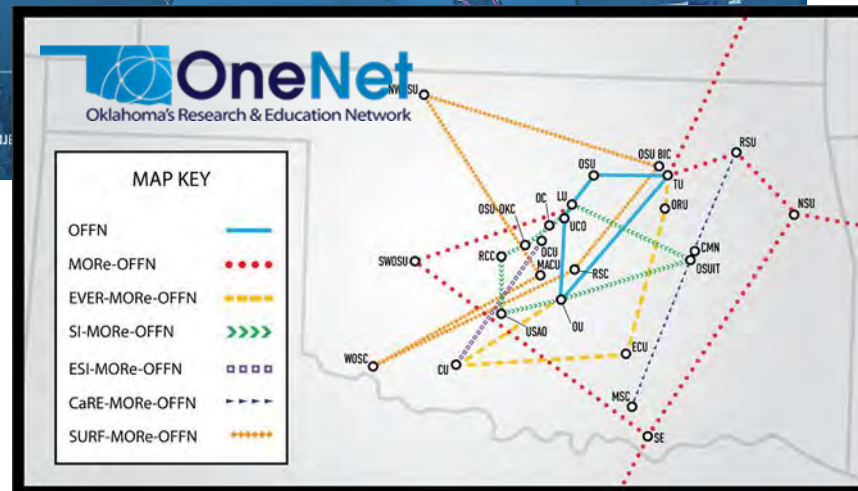
A Partial list of NSF and CISE Infrastructure Funding Sources for Things



CC* Regional investment examples



Support for Campus Connections to Regional Research and Education Network



A Regional Computing Hub for Alabama Universities NSF #2232873



Facilitate multiple graduate and undergraduate student programs

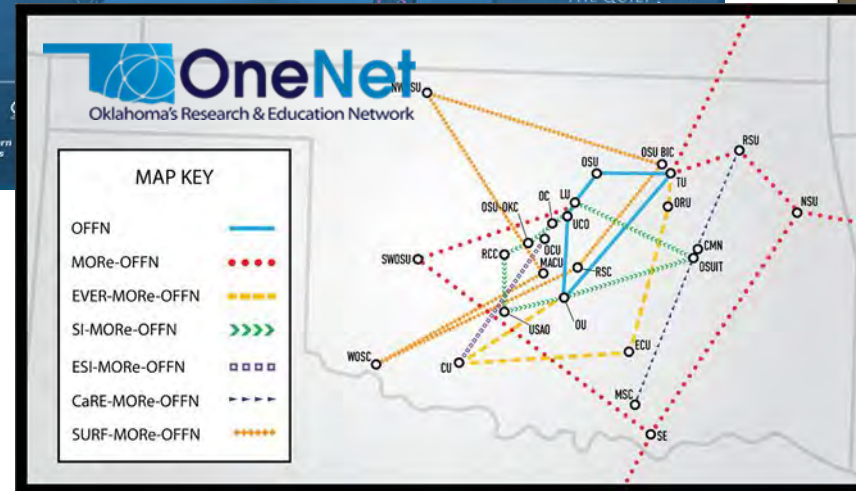
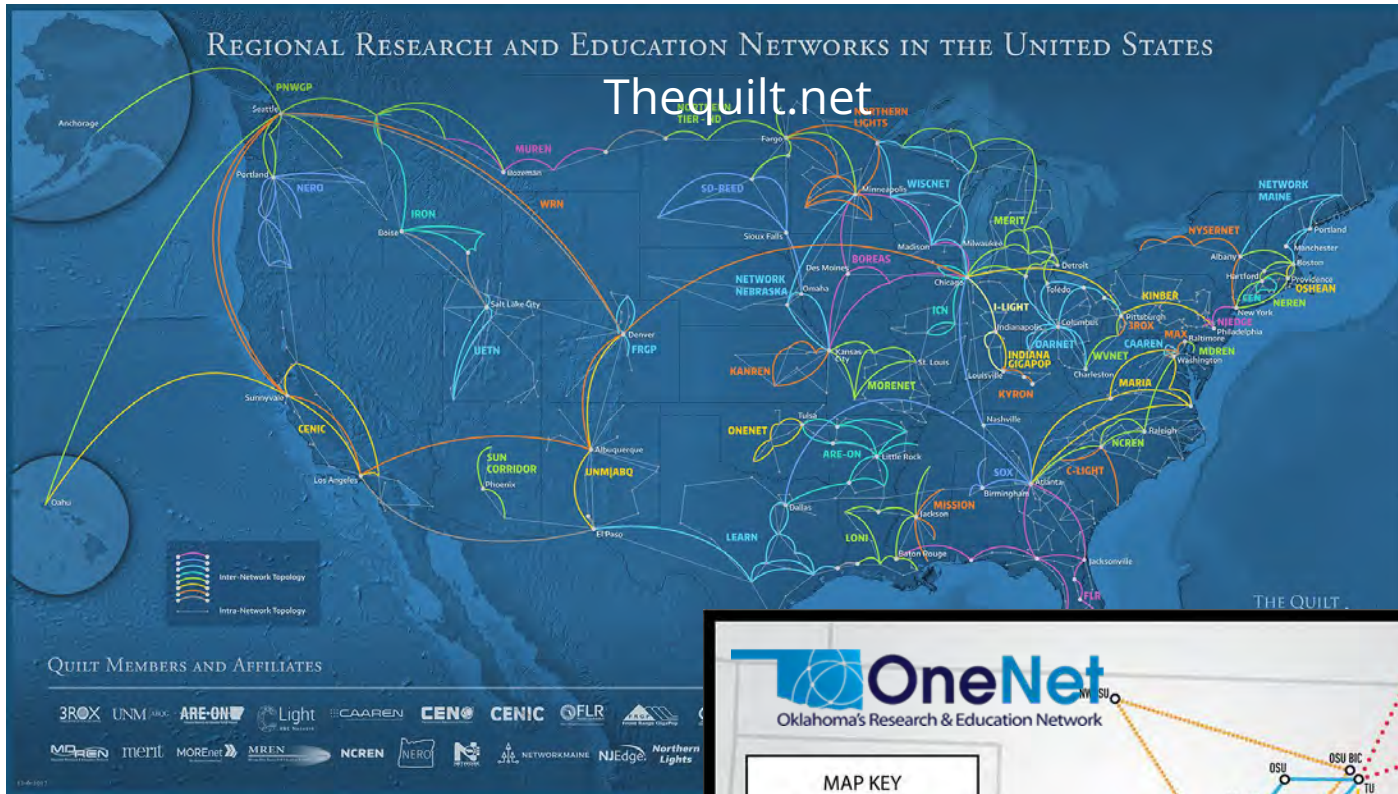
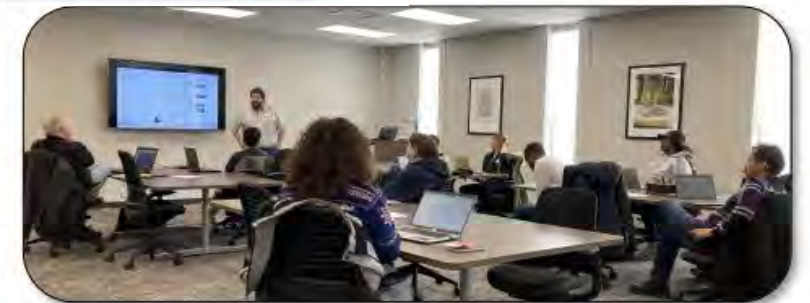
Enable Alabama research programs in space science, computer science, chemical engineering, plant science, photonics, aerospace and mechanical engineering, drug discovery



CC* campus and regional investment examples

Lawrence 2.0 Advancing Multidisciplinary Research and Education in South Dakota, OAC 2346643

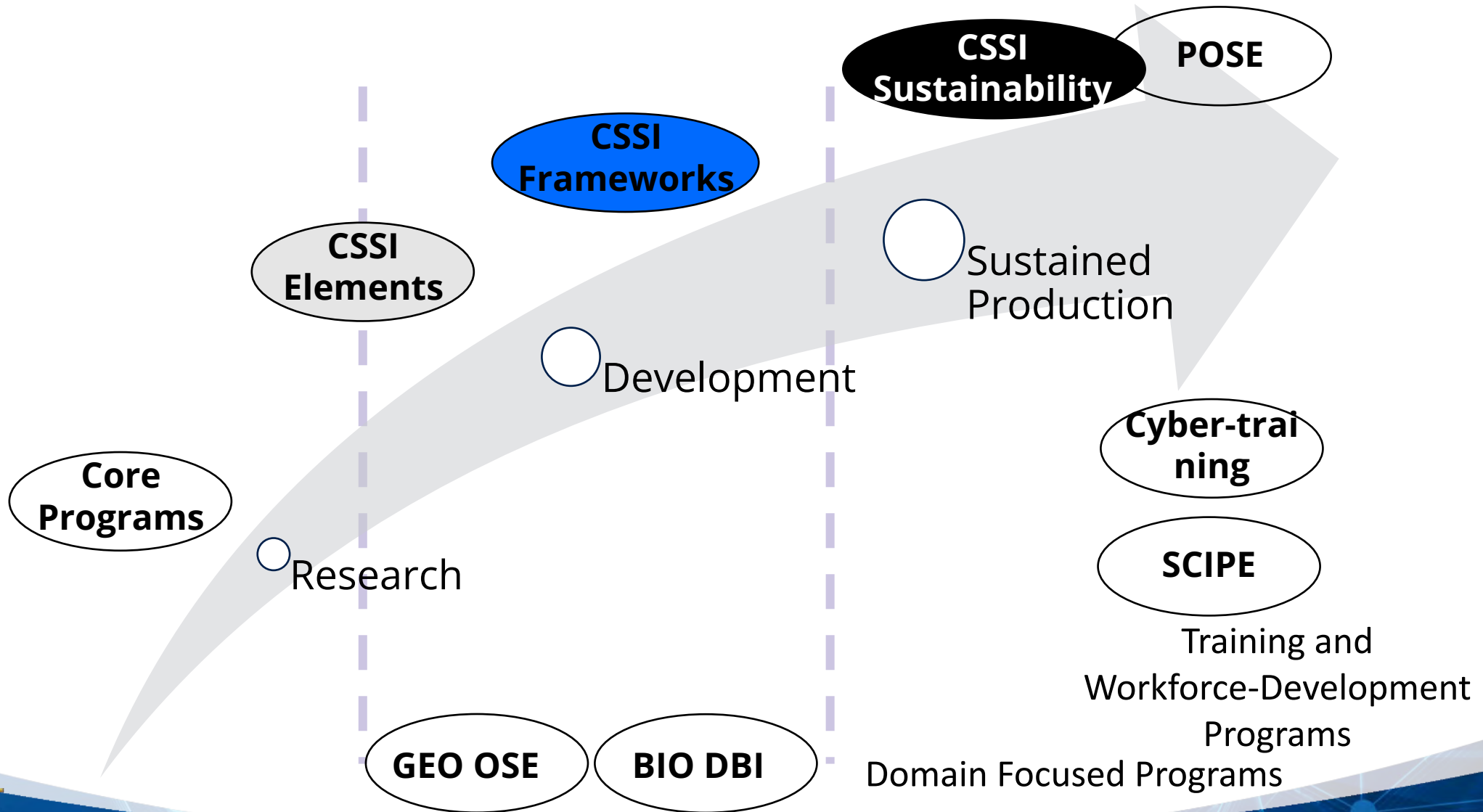
- *Support for computationally intensive research and education;*
- *Outreach to state and regional collaborators and SD tribal institutions*



Support for Campus Connections to Regional Research and Education Network



Software and Data Infrastructure Programs



CyberTraining: Training-based Workforce Development for the Cyberinfrastructure Workforce

Vision: Prepare, nurture, grow scientific research workforce

- Ensure broad adoption of CI tools, methods, and resources
- Innovative, scalable training, catalyze research with training
- Most projects develop instructional materials
- Integrate CI and CDS&E skills into undergrad/grad curricula
- Three levels: **Pilot (\$200K)**, **Small (\$500K)**, and **Medium (\$1M)**
- **NSF 23-520, deadline January 16, 2025**

arctic science
* *geoscience* *
climate water
environment
* *construction*
science *
bioengineering
* *dark*
matter
discovery *
earth science
* *molecular*
science *
cybersecurity
* *physics* ...





<https://encyclopediaofalabama.org/media/fly-fishing-in-alabama/>

How do you find a program that fits you?

NSF award search on “gateway”

<https://www.nsf.gov/awardsearch/>

Click on **Advanced Search**

Find projects and program officers by keyword search

The screenshot displays the NSF award search interface, organized into three main sections: Recipient Information, Program Information, and Additional Information.

- Recipient Information:** Includes fields for Principal Investigator First Name, Principal Investigator Last Name, and a checkbox for "Include Co-Principal Investigator in name search". It also features Organization, State (a dropdown menu with "Select one" selected), Zip Code, and Country (a dropdown menu with "Select one" selected).
- Program Information:** Includes NSF Organization (a dropdown menu with "Select one" selected), Element Code, Reference Code, and Program (a text input field). There are radio buttons for "Any" and "All" under both Element Code and Reference Code, with "All" selected. A hint states: "The 'Program' box searches both program element and program reference names and codes." There is also a Program Officer field.
- Additional Information:** Includes a **Keyword** field containing the text "gateway", which is circled in red. A hint below it says: "The Keyword field searches on the title and abstract only." There is a checkbox for "Search Award Title Only". Other fields include Award Number (a dropdown menu with "Select one" selected), Award Amount (a dropdown menu with "Select one" selected), and date ranges for Original Award Date, Start Date, and End Date, each with "From" and "To" sub-fields and calendar icons. There are checkboxes for "Active Awards" (checked) and "Expired Awards". A final hint states: "Data prior to 1976 may be less complete."

This search returns active projects. You want to find one “like” yours.

Export up to 3,000 Awards: [CSV](#) | [XML](#) | [Excel](#) | [Text](#) [Export All Results](#)

Sort By: Results size: Table List Page 1 of 12 [»](#) [«](#) [↺](#) [↻](#) Displaying 1 - 30 of 345

You Searched For:

Keyword gateway

Active Awards true

Refined by

Refine Search

State

- Alaska(3)
- Alabama(3)
- Arizona(13)
- California(58)
- Colorado(12)
- [Show More ...](#)

NSF Organization

- Office Of The Director(2)
- Direct For Mathematical & Physical Scien(33)
- Direct For Social, Behav & Economic Scie(10)
- Direct For Computer & Info Scie & Enginr(85)
- Directorate For Geosciences(41)
- Directorate For Engineering(7)
- Direct For Biological Sciences(25)
- Directorate for STEM Education(135)
- Dir for Tech, Innovation, & Partnerships(7)

Award Amount

- Less than or equal \$50,000(7)
- Between \$50,001 - \$100,000(14)
- Between \$100,001 - \$500,000(134)
- Between \$500,001 - \$1,000,000(108)
- More than \$1,000,000(2)

CI CoE: SGX3 - A Center of Excellence to Extend Access, Expand the Community, and Exemplify Good Practices for CI Through Science Gateways
Award Number:2231406; Principal Investigator:Sandra Gesing; Co-Principal Investigator:Linda Hayden, Marlon Pierce, Maytal Dahan, Sandra Gesing, Claire Stirm; Organization:University of California-San Diego;NSF Organization:OAC Start Date:09/01/2022; Award Amount:\$8,796,062.00; Relevance:43.07;

NNA Track 1: Collaborative Research: The Permafrost Discovery Gateway: Navigating the new Arctic tundra through Big Data, artificial intelligence, and cyberinfrastructure
Award Number:1927729; Principal Investigator:Kenton McHenry; Co-Principal Investigator:Aiman Soliman; Organization:University of Illinois at Urbana-Champaign;NSF Organization:RISE Start Date:11/01/2019; Award Amount:\$648,101.00; Relevance:43.07;

Developing a Measure of Diverse Student Perceptions and Valuation of Flipped Instruction in Chemistry
Award Number:2415197; Principal Investigator:Senetta Bancroft; Co-Principal Investigator:Heidi Bacon, Jennifer Koran; Organization:Southern Illinois University at Carbondale;NSF Organization:DUE Start Date:10/01/2024; Award Amount:\$399,853.00; Relevance:43.07;

Sustaining: A Bridge to Sustainability for the CIPRES Science Gateway
Award Number:2211631; Principal Investigator:Mark Miller; Co-Principal Investigator:Wayne Pfeiffer; Organization:University of California-San Diego;NSF Organization:DBI Start Date:08/01/2022; Award Amount:\$1,112,716.00; Relevance:43.07;

Mathematics Persistence through Inquiry and Equity: Redeveloping Gateway Mathematics in a Two-year HSI to Promote Success in STEM
Award Number:1953713; Principal Investigator:Mary Pilgrim; Co-Principal Investigator:William Zahner, Daniel Reinholz; Organization:San Diego State University Foundation;NSF Organization:EES Start Date:06/01/2020; Award Amount:\$1,271,684.00; Relevance:43.07;

Travel: Conference: Gateways 2024
Award Number:2433784; Principal Investigator:Sandra Gesing; Co-Principal Investigator:; Organization:University of California-San Diego;NSF Organization:OAC Start Date:08/01/2024; Award Amount:\$32,251.00; Relevance:43.07;

Mathematics Persistence through Inquiry and Equity: Redeveloping Gateway Mathematics in a Two-year HSI to Promote Success in STEM
Award Number:1953753; Principal Investigator:Kimberly Eclar; Co-Principal Investigator:Alexandra Hoffer, Mourad Mjehed, Silvia Nadalet, Kimberly Eclar, Maria Olivas; Organization:Southwestern College;NSF Organization:EES Start Date:06/01/2020; Award Amount:\$927,073.00; Relevance:43.07;

NNA Track 1: Collaborative Research: The Permafrost Discovery Gateway: Navigating the new Arctic tundra through Big Data, artificial intelligence, and cyberinfrastructure

Hint: Export the results to Excel so that you can search and sort

	A	B	C	D	K	U	V	Y	Z	AA	AB	AC
120	2129961	Scholarships for Talented Underprivileged STEM Student Success	DUE	S-STEM-Schlr Sci Tech Eng&Abby Ilumoka		EDU	153600					This project will contribute to the national need for
121	1833851	Cardinal STEM Scholars Program: Guided Pathways to Increase STEM Degree Completion	DUE	S-STEM-Schlr Sci Tech Eng&Mike Ferrara		EDU	153600					With funding from the NSF Scholarships in Science
122	1741869	Collaborative Research: Institutional Collaboration to Recruit, Retain and Graduate Low-Income	DUE	S-STEM-Schlr Sci Tech Eng&Thomas Kim		EDU	153600					Coker College, College of Saint Elizabeth, Ferrum
123	1930184	Navigating Pathways to Success: Improving Outcomes for Rural Community College STEM Schol	DUE	S-STEM-Schlr Sci Tech Eng&Lulu Sun		EDU	153600					Millions of STEM jobs are projected to go unfilled i
124	1833904	Community Research and Cognitive Reframing for a Community Retained in Science	DUE	S-STEM-Schlr Sci Tech Eng&Nasser Alaraje		EDU	153600					With funding from the NSF Scholarships in Science
125	2221350	Research-based Interventions for STEM Engagement	DUE	S-STEM-Schlr Sci Tech Eng&Eleanor Sayre		EDU	153600					This project will contribute to the national need for
126	2221187	Enhanced Learning and Training Experiences to Support Talented, Low-Income STEM Students	DUE	S-STEM-Schlr Sci Tech Eng&Eleanor Sayre		EDU	153600					This project will contribute to the national need for
127	1742517	Academic Collaboration and Coordination model to Ensure Student Success in STEM (ACCESS	DUE	S-STEM-Schlr Sci Tech Eng&Thomas Kim		EDU	153600					This Scholarships in Science, Technology, Enginee
128	2030621	Early Research Experiences and Mentoring to Increase the Numbers of Biology and Chemistry G	DUE	S-STEM-Schlr Sci Tech Eng&Kalyon Owens		EDU	153600					This project will contribute to the national need for
129	1832772	Recruiting and Fostering Students through Field Geoscience	DUE	S-STEM-Schlr Sci Tech Eng&Keith Sverdrup		EDU	153600					The NSF Scholarships in Science, Technology, Eng
130	1742366	Collaborative Research: Institutional Collaboration to Recruit, Retain and Graduate Low-Income S	DUE	S-STEM-Schlr Sci Tech Eng&Thomas Kim		EDU	153600					Coker College, College of Saint Elizabeth, Ferrum
131	1644138	The Virginia Tech Network for Engineering Transfer Students (VT-NETS)	DUE	S-STEM-Schlr Sci Tech Eng&Thomas Kim		EDU	153600					The Virginia Tech Network for Engineering Transfe
132	1751664	CAREER: Experimental Constraints on Carbon-iron Redox Interaction in Earth's Deep Lower Man	EAR	Petrology and Geochemistry, Jennifer Wade		GEO	157300, 1574					Earth's deep carbon cycle affects the past, presen
133	2311207	Collaborative Research: Frameworks: Quakeworx - An extensible software framework for earthq	OAC	Geophysics, GEO CI - GEO Marlon Pierce		CSE	157400, 243Y					Physics-based forecasts of seismic hazard from fu
134	2311208	Collaborative Research: Frameworks: Quakeworx - An extensible software framework for earthq	OAC	Geophysics, GEO CI - GEO Marlon Pierce		CSE	157400, 243Y					Physics-based forecasts of seismic hazard from fu
135	2311206	Collaborative Research: Frameworks: Quakeworx - An extensible software framework for earthq	OAC	Geophysics, GEO CI - GEO Marlon Pierce		CSE	157400, 243Y					Physics-based forecasts of seismic hazard from fu
136	2103621	Collaborative Research: Frameworks: Seismic Computational Platform for Empowering Discover	OAC	Geophysics, XC-Crosscutting Varun Chandola		CSE	157400, 1222					Seismology is the most powerful tool for investigat
137	2050697	REU Site: Undergraduate Research Pathways That Broaden and Strengthen the Geosciences	EAR	EDUCATION AND HUMAN R Aisha Morris		GEO	157500					The Keck Geology Consortium REU will offer unde
138	2011969	Implementation Project: Early Interdisciplinary Applied Strategies to Strengthen STEM Education	EES	Hist Black Colleges and Univ Carleitta Paige-Anderson		EDU	159400					Implementation Projects provide support to Histori

Some columns are hidden in this snip:

- A is the award number
- D is the program
- K is the cognizant Program Officer

- Google NSF.gov <PO name> to get the Program Officer's email address
- Email the PO with a "one-pager" and ask, "Is your program a fit for my idea?"



Questions

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