Workforce development within the STTAR program

The ND EPSCoR State office focuses on workforce development within the state through research, student support, and specialized programs like the Students in Technology Transfer and Research (STTAR) internship program. ND EPSCoR established the STTAR program in response to recognized state and national needs for increased technology transfer from universities to industry. STTAR is a North Dakota University System University-Industry Technology Transfer Program. Technology transfer includes knowledge and human transfer. Since 2012, 40 companies and 210 students from across the state have participated in this highly successful program. The STTAR program took a brief hiatus from 2017-2018.

ND EPSCoR State Office programs support the science, technology, engineering, and math (STEM) pathway in ND. Through these programs, students have the opportunity to discover and connect with potential future careers in STEM. Research indicates that early exposure to STEM encourages both further academic and career exploration. Through supportive programming like STTAR, the ND EPSCoR State Office is helping to build a STEM pathway across ND for students who may not otherwise be introduced to fields important to the future of ND's economy.

Student support from the ND EPSCoR State Office is available in a variety of ways, from financial support to training and experiential opportunities. For both students and potential employers, an internship is a positive factor on a resume. The ND EPSCoR State Office cost-shares a number of internships annually. This summer, the State Office will cost-share 26 internships across 12 companies and you can read more about this year's companies and interns on page three of this issue. ND EPSCoR cost-shares the interns' salaries with ND-based businesses, helping make the experience possible for students who would like the practical workplace option of using their academic skills in real-world settings. The primary emphasis of STTAR is on research and development, rather than sales and marketing.

Over the past decade, the ND EPSCoR State Office has strengthened partnerships with ND-based companies, with many businesses going on to hire their STTAR interns after graduation. The STTAR program provides upper-division students (i.e., juniors through graduate students) in STEM with an opportunity to use their academic training and experience to address challenging science and technology-based problems faced by ND companies. STTAR interns work on interesting projects that help solve problems facing local businesses, the program is a benefit to both the employer and the intern.

This program is open annually to any ND-based company. The ND EPSCoR State Office provides up to $3,600 per student for a minimum of eight weeks and a maximum of 12 weeks, based on 40 hours/week. Students work through their local campus career services office to register and interview for the internships. The STTAR program is a unique opportunity for students to work directly with future employers.

This program is just one avenue the ND EPSCoR State Office uses to help develop the STEM workforce pathway in ND. Our state has a long history of talented students entering the STEM workforce, impacting the economy of the state, the region, and the country. The ND EPSCoR State Office is proud to play a role in that economic progress, please join me in congratulating this year's STTAR companies and student interns. I hope that you are, and will continue to be, well.

Regards,
Kelly A. Rusch, Ph.D., P.E., BCEE
Executive Director
ND EPSCoR State Office

CIRCLES Alliance meeting

[The CIRCLES Alliance](#) is a collaboration between six EPSCoR (Established Program to Stimulate Competitive Research) jurisdictions [Idaho (ID), Montana (MT - prime institution), New Mexico (NM), North Dakota (ND), South Dakota (SD), and Wyoming (WY)] to address the underrepresentation of American Indian/Alaska Native (AI/AN) students in the STEM disciplines and within the STEM workforce of those states. The CIRCLES Alliance states are home to 19 tribal colleges/ universities (TCUs) and span 49 tribes/nations. The shared vision for the Alliance is to increase the number of AI/AN students who enter and persist in STEM-related fields and to become a leader in advancing AI/AN preparation and success.

This month, members of the six-state alliance met in New Mexico for an in-person gathering of knowledge-sharing, learning, and planning for the future.

The first in-person meeting of the CIRCLES Alliance occurred in Albuquerque from May 12 – 14, 2022.

The Alliance meeting featured overviews from each state, invited speakers, an interview results overview, an opportunity to brainstorm future funding opportunities, a student panel, and a reflective group evaluation activity.

Following a welcome reception on Thursday, May 12, the meeting began on Friday with an opening of the space by CIRCLES Alliance PI Aaron Thomas, Ph.D. Each state within the alliance then provided a brief overview of their jurisdiction. The meeting also featured a presentation by Curtis Chavez, Ph.D. on the Keres Children's Learning Center, Danny Luecke from Turtle Mountain Community College discussed his work, and

Belin Tsinnajinnie from WestEd shared perspectives on mathematics education.

Keiko Beers presented the interview results overview from the CIRCLES Alliance-wide data and provided an opportunity for the Alliance to discuss the results and determine next steps and future recommendations. One highlight of the meeting was the student panel presentation. The panel, moderated by Selena Connealy from NM EPSCoR, featured the voices of students from within the alliance as they shared their successes and continued barriers. The final activity of the CIRCLES Alliance meeting was an evaluation reflection conducted by CIRCLES Alliance external evaluators, Jill Stein, Shelly Valdez, Ph.D., and Geanna Capitan.

Kelly A. Rusch *provided an overview of North Dakota's current efforts.*
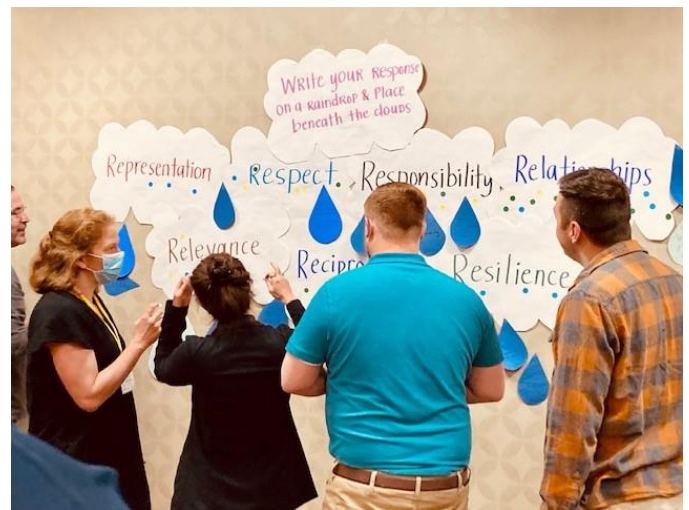
The CIRCLES Alliance evaluation activity conducted on Saturday, May 14, 2022.

You can learn more about the CIRCLES Alliance here. Information about the ND efforts within the CIRCLES alliance are available here. If you are interested in participating in a survey or interview, more information is available on page five of this issue.

The CIRCLES Alliance is supported by the National Science Foundation under grant no. OIA 2038271. Any opinions, findings, and conclusions or recommendations expressed at this meeting are those of the speaker(s) and do not necessarily reflect the views of the National Science Foundation.

Congratulations to the 2022 ND EPSCoR State Office STTAR interns

Twelve companies have recently hired students from across North Dakota as part of the Students in Technology Transfer and Research (STTAR) program. Twenty-six students who represent six separate colleges will participate in the 2022 STTAR program – the highest number since 2013. The STTAR program provides juniors, seniors, and graduate students who are majoring in STEM disciplines a valuable opportunity to apply their academic training and experience in order to address science and technology-based problems faced by ND companies. The internships, which take place over a minimum of eight weeks, are supported by a cost-sharing agreement between ND EPSCoR and our industry partners.

ComDel
- Evan Erlandson (NDSU)
- Kelsey Baker (UND)
- Quinton Olsby (NDSU)

Dakota Growers Pasta Company
- Chase Rygg (NDSCS)
- Ian Johnston (NDSCS)
- Issac Mimong (NDSCS)

Interstate Engineering Inc
- Brayden Wahl (NDSCS)
- Caleb Babcock (NDSCS)
- Cody Block (NDSCS)

Marvin
- Austin Widmer (NDSU)
- Brayden Bares (NDSU)
- Olivia Angst (NDSU)

MBN Engineering Inc
- Justin Sandberg (UND)

Moore Engineering Inc
- Connor Wilson (NDSU)
- Jordan Miranda (NDSU)
- Seth Welder (NDSU)

NoDak Electric Co-Op Inc
- Brycen Lunak (UND)
- Tyler Workman (UND)

Renuvix LLC
- Jasmine Kostelecky (NDSU)

Rugby Manufacturing
- Noah Kraft (UM)

Tau Drones LLC
- Anai Capro Bellido (UND)
- Anton Skurdal (UND)
- Nadia Mouedden (UND)

Sitting Bull College
- Kennedy Pleets (SBC)
- Ohitika Lewis (SBC)

WCCO Belting
- Gabriel Lothspeich (NDSU)

Congratulations to our 2022 STTAR companies and student interns! You can learn more about the STTAR program on our program webpage or contact the ND EPSCoR STEM Grant Writer & Program Manager, Josh Wayt.

The RSTE program welcomes new participant

By **Ryan Summers** (ND-ACES Education and Workforce Development, UND)

We are excited to welcome **Adrianna Sokolofsky** (DSU, pictured right) as a participant in the ND-ACES Rural Student Teaching Experience (RSTE) for Fall 2022.
Sokolofsky graduated from Mandan High School and started her post-secondary

education at Bismarck State College. She is currently completing her B.S.Ed. Mathematics at Dickinson State University. As part of her program, she has gained first-hand experience working with middle-level and high school students through structured field experiences. Additionally, over the past three years, she has been a math tutor for students in grades 6-12.

Sokolofsky is excited to complete her one-semester student teaching experience with McKenzie County School District #1. She will work with math teachers at Watford City High School to deliver thoughtful lessons in Algebra 1 beginning in August. We look forward to supporting her ongoing professional learning as part of the RSTE!

The ND-ACES RSTE program provides unique learning experiences for teacher candidates. The goal of the RSTE program is to provide an exceptional learning experience in a rural school and community as the teacher candidates complete the requirements of their undergraduate programs. RSTE is an ND-ACES PROmoting Sustainable Partnerships in Education and Research (PROSPER) program. While participating in the RSTE program, teacher candidates also receive mentorship from PROSPER faculty. For more information, contact Ryan Summers, ND-ACES PROSPER Rural Student Teaching Experience Coordinator.

ND EPSCoR and North Dakota's Gateway to Science partnership delivers STEMzone program to Hankinson Elementary School

ND EPSCoR State Office partner **North Dakota's Gateway to Science** (NDGTS) continues to deliver hands-on STEM programming throughout ND. Gateway to Science on the Go was recently at the Hankinson Elementary School with its STEMzone program (pictured next column).

STEMzone is a carnival-style event with STEM activity stations that allow students to engage in hands-on learning experiences in science, technology, engineering, and math. The STEMzone in Hankinson included stations where students could work on circuits, look at objects through microscopes, build structures and marble runs, create and test air-powered vehicles, test their skill at laparoscopy, and more.

"The students learn 21st-century skills, creativity, collaboration, and communication," said Janet Rosario, Programs Director for North Dakota's Gateway to Science. "Each activity offers career exploration as well.

They see what skills they enjoy doing, and what jobs they can do."

Rosario said STEM is in everything that people do. She noted it is important for students to learn about STEM when they are young. "The hands-on activities give them the confidence to do STEM," she said. "Not just kids, but some adults, are intimidated by science and math. But if they start out young, they can gain that confidence, and see that they are able to do these things. They can explore careers that they may not have thought that they can do."

The mission of North Dakota's Gateway to Science is to inspire the discovery of science through hands-on experiences. Gateway to Science fulfills its mission by operating an interactive exhibit gallery in Bismarck and by developing and delivering mobile educational outreach programs across the state through the Gateway to Science on the Go van.

The STEMzone program at Hankinson Elementary was made possible through the partnership between the ND EPSCoR State Office and NDGTS to deliver quality STEM programming throughout North Dakota. ND EPSCoR also recently supported the enhancement of the STEM activities Gateway to Science on the Go uses in its outreach to schools and communities. New hands-on STEM

activities added are laparoscopy, structural engineering, simple machines, and marble run. The new activities will enhance the STEMzone program by introducing STEM topics not currently covered. Learn more by visiting our Partnership with North Dakota's Gateway to Science page.

The STEM at Home video series continues with NATURE extensions

In the March 2022 edition of News & Notes, the ND EPSCoR State Office introduced new videos on our YouTube channel to the STEM at Home series. This series incorporates NATURE Sunday Academy modules into the STEM at home videos. Our STEM at Home series is a video-based learning series that creates fun content centered on projects which incorporate STEM. These simple projects allow younger audiences to use critical thinking skills and potentially spark a lifetime interest in STEM.

Each video in this series is accompanied by a list of simple materials and goes through a step-by-step process for completing the project successfully. We hope to create a fun and easy way for families to engage in Sunday Academy STEM projects through this video series.

This month, our video is based on the Sunday Academy module, "Bioinformatics," authored by **Lu Liu** (NDSU).

Get the complete shopping list for the NATURE Home activity here.

Subscribe to our YouTube channel and visit our STEM activities page for shopping lists. You can also see our STEM Education Portal and NATURE Sunday Academy pages for more activities and lesson plans that strengthen the STEM pathway for students across ND.

CIRCLES Alliance survey and interview opportunities

In October 2020, the ND EPSCoR State Office joined five other EPSCoR states (Idaho, Montana, New Mexico, South Dakota, and Wyoming) in a National Science Foundation-funded collaborative research project that forms an Alliance to connect with tribal community members within those states to gain a better understanding of each community's definition and perspective of STEM (science, technology, engineering, and mathematics). Initially, Alliance members planned to visit each tribal community, but with the COVID pandemic continuing, the Alliance has decided to continue to make virtual connections.

Using a common set of questions across the six-state CIRCLES (Cultivating Indigenous Research Communities for Leadership in Education and STEM) Alliance, participants input is being gathered through virtual interviews over Zoom or through an online survey with tribal community stakeholders to gain their perspective on how Indigenous based STEM education is currently being incorporated or might be incorporated in the future, to support student STEM learning. To participate in an interview or survey, you must be 18 years or older.

The ND EPSCoR State Office has created a link to a 90-second video that describes these efforts. The anonymous online survey is available at this link. Additionally, ND EPSCoR is conducting individual virtual interviews. If you would prefer to participate in an individual interview, please contact ND EPSCoR at ndepscor@ndus.edu, or call 701-231-8400.

This effort aims to foster better connections with tribal communities and support STEM educational programming. Working toward that goal, the ND EPSCoR State Office humbly requests your assistance in completing this survey or contacting us to set up a virtual interview. The CIRCLES Alliance believes this is a particularly poignant time to reflect on observations regarding Indigenous based STEM education as the COVID pandemic has brought some new challenges into focus. Learn more about the North Dakota CIRCLES effort here.

ND-ACES makes dREU awards to participating institutions

Distributed Research Experience for Undergraduates (dREU) awards tied to the RII Track-1 ND-ACES project were made to students for summer 2022. Student awards are designed to build ND's STEM workforce, particularly within populations traditionally underrepresented and underserved groups. Congratulations to the following student awardees:

- **Darrick Frederick** (Mayville State)
- **Madisen Knudsvig** (Mayville State)

- **Kaydee Koistinen** (Mayville State)
- **Lauren Prowse** (UND)

ND-ACES student spotlight

ND-ACES, ND EPSCoR's most recent NSF RII Track-1, is a five-year cooperative agreement that supports students in STEM disciplines all along the STEM pathway in ND. Each month, we highlight different students and their important contributions to the ND-ACES cooperative agreement.

This month, we're spotlighting two students:

Sarah Boese-Noreen (UND, pictured right) just recently graduated in Spring 2022 from the College of Education and Human Development at the University of North Dakota with an M.S. in Teaching & Leadership (STEM Education Specialization).

Boese-Noreen has been a graduate research assistant for Education and Workforce Development helping to review materials for the bioscience modules during the 2021-2022 academic year. She completed her scholarly project focused on creating STEM learning opportunities in her classroom under the supervision of **Ryan Summers** (UND). Her immediate plans for the future are to continue teaching science at Red River High School in Grand Forks.

Abishek Dhungana (NDSU) is an exchange student from Bardaghat, Nawalparasi, Nepal working with **Trung Le** (NDSU) in the Department of Civil, Construction and Environmental Engineering.

What are you researching?

Our research is currently focused on the reconstruction of a 3D model of cancer cells from high-resolution confocal scans and performing a numerical simulation of the cancer cells.

Why is it important?

This research will provide a new direction to cancer cell research. Investigation of cancer cells in a realistic fluidic environment would explain the metastasis and progression in the human body. It would help us to understand the moment and the adhesion of cancer cells which would give us new insights into cancer cell research.

Congratulations to ND-ACES Spring 2022 graduates

Congratulations to the following ND-ACES student participants on their graduation in Spring 2022:

- **Nicholas Bittner** (CCCC)
- **Carson Herbert** (UND)
- **Sarah Boese-Noreen (**UND)
- **Aerica Nagornyuk** (UND)
- **Haneesh Jasuja** (NDSU)
- **Naomi Uwagbai** (DSU)
- **Hayle Boechler** (Mayville State)
- **Taylor Stegman** (Mayville State)
- **Zakaria El Mrabet** (UND)
- **Atir Kaunain** (UND)
- **HM Nasrullah Faisal** (NDSU)
- **Georgia Paul** (UND)
- **Andie Doyon** (UND)

Thank you for your contributions to the ND-ACES RII Track-1 cooperative agreement and many congratulations on your achievement!

News of note

Department of Defense Announces Fiscal Year 2021 Defense Established Program to Stimulate Competitive Research (DEPSCoR) Awards

Congratulations to Sougata Roy (UND) on receiving an FY 21 DEPSCoR Research Collaboration Award. Roy's project is titled, "A Novel Synergistic Approach of Combining Multiscale DED Processes for Next Generation Hybrid Additive Manufacturing." See a full list of award recipients here. Congratulations!

Events and trainings

NATURE University Summer Camp

Save the Date for NATURE University Summer camp!

NATURE University Summer Camp Opening Ceremony: Monday, June 6 at 11:00 am CDT at the Diederich Atrium in the Alumni Center at NDSU.

NATURE University Summer Camp Closing Ceremony: Friday, June 17 at 12:30 pm at the Gransberg Community Room in the Gorecki Alumni Center at UND.

For questions about NATURE University Summer Camp events, contact **Raymond Burns**, ND EPSCoR State Office Tribal Partnerships Manager.

Responsible Conduct of Research (RCR)

RCR training is available upon request to augment initial campus or Collaborative Institutional Training Initiative (CITI) RCR trainings. Please get in touch with ND EPSCoR to schedule.

Funding opportunities

Funding Opportunities come from three sources:
1. The National Science Foundation (NSF)-funded New Discoveries at the Advanced Interface of Computation, Engineering, and Science (ND-ACES) RII Track-1 cooperative agreement, which consists of two broad components: 1) Center for Cellular Biointerfaces in Science and Engineering (CCBSE), which consists of three research pillars: materials design, cellular systems, and computational approaches and 2) PROmoting Sustainable Partnerships in Education and Research (PROSPER), which consists of four connected project elements: education and workforce development, broadening participation, partnerships and collaborations, and communication and dissemination.
2. ND EPSCoR State Office
3. EPSCoR and EPSCoR-like federal funding agencies, which include: Department of Energy (DOE), National Aeronautics and Space Administration (NASA), National Institutes of Health (NIH), NSF, U.S. Department of Agriculture (USDA), and Department of Defense (DoD).

Undergraduate Research Assistantship (URA) Program

This program gives current junior and senior undergraduate students pursuing a B.S. STEM degree at a four-year institution (or a two-year institution granting B.S. STEM degrees) in North Dakota an opportunity to perform research within the National Science Foundation (NSF)-funded New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) Center for Cellular Biointerfaces in Science and Engineering (CCBSE).

The URA is a six-month award that is renewable for up to one additional year. URA awardees will conduct up to 18 months of research under the direction of an ND-ACES CCBSE researcher. For more information, see the Request for Applications.

Application Deadline: Open until funds are exhausted

Distributed Research Experience for Undergraduates (dREU)

Under this program, undergraduate students – from the nine ND EPSCoR ND-ACES RII Track-1 participating campuses - three Primarily Undergraduate Institutions (PUIs), one Master's College/University (MCU), three Tribal Colleges/Universities (TCUs) located in ND, or the two Research Universities (RUs) – are required to work in the ND-ACES Center for Cellular Biointerfaces in Science and Engineering (CCBSE) alongside NSF Track-1 faculty researchers on their CCBSE cutting-edge research projects in materials design, cellular systems, or computational approaches. Women, minorities underrepresented in STEM, persons with disabilities, first-generation college students, economically disadvantaged, or rural populations are strongly encouraged to apply. For more information, see the Request for Applications.

Application Deadline: Open until funds are exhausted

Doctoral STEM Teaching Assistantship

The Doctoral STEM Teaching Assistantship is supported by the NSF-funded award New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES). This assistantship is designed to strengthen North Dakota's STEM ecosystem by building a diverse pool of effective educators, skilled researchers, and engaged students. More specifically, the assistantship will (a) strengthen doctoral students' experience in undergraduate STEM education, and (b) reduce the instructional workload of ND-ACES faculty at non-research universities, thereby allowing them to devote additional time to research.

The Doctoral STEM Teaching Assistantship is a semester-long teaching placement (during Fall 2022 or Spring 2023). Eligible candidates must be enrolled in a doctoral STEM program at a North Dakota research university (i.e., North Dakota State University or University of North Dakota).

For more information, see the Request for Applications.
Fall 2022 Assistantship deadline: May 1st
Spring 2023 Assistantship deadline: October 1st

Defense Established Programs to Stimulate Competitive Research (DEPSCoR) FOAs

The Department of Defense (DoD) announces the fiscal year 2022 (FY22) Defense Established Program to

Stimulate Competitive Research (DEPSCoR). The program is sponsored and managed by the Basic Research Office, Office of the Under Secretary of Defense for Research and Engineering (OUSD [R&E]), awarded by the Air Force Office of Scientific Research (AFOSR), and administered through the Office of Naval Research (ONR). The DoD plans to award FY22 DEPSCoR appropriations through this announcement. Funding opportunities will open for registration on June 22.

The Research Collaboration (FOA-AFRL-AFOSR-2022-0006) funding opportunity seeks proposals that advance knowledge in basic science involving bold and ambitious research that may lead to extraordinary outcomes such as disrupting accepted theories and perspectives. Proposals must be submitted by a pair of researchers in DEPSCoR States/Territories (Applicant and Collaborator) aimed at introducing potential applicants to the DoD's unique research challenges and its supportive research ecosystem.

The Capacity Building funding opportunity (FOA-AFRL-AFOSR-2022-0007) aims to support the strategic objectives of institutions of higher education (IHE) (either individually or in partnership with others) in DEPSCoR States/Territories to achieve basic research excellence in areas of high relevance to the DoD.

The DoD will be hosting a virtual DEPSCoR Webinar on June 22, 1 to 3 pm EDT, which will include overviews of the funding opportunities below. Participants will also have an opportunity to ask questions. To participate in the DEPSCoR Webinar, you must register no later than 5 pm EDT on June 21.

Travel Awards for ND-ACES CCBSE Faculty Participants

ND EPSCoR's New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) RII Track-1 mission is to support scientific efforts that result in increased STEM faculty capacity and competitiveness.

To underscore the importance of collaborations in the sustainability of the ND-ACES effort, travel seed awards of up to $3,000 are available to ND-ACES Center for Cellular Biointerfaces in Science and Engineering (CCBSE) senior personnel. A collaboration is the extension or development of a research-based engagement (directly aligned with the CCBSE applicant's ND-ACES activities) with a non-CCBSE researcher affiliated with an academic institution or national laboratory. Travel must be within the domestic U.S. (including within ND) and must be completed by 6/15/22. For details, see the Request for Proposals.

Proposal Submission Deadline: Noon CDT, May 31, 2022

ND NASA EPSCoR – Request for Proposals

North Dakota NASA EPSCoR (Established Program to Simulate Competitive Research) is soliciting research proposals from faculty at affiliate institutions for Research Seed Grant funding and Travel Grant Funding. Funding must contribute to the completion of NASA relevant research designed to promote and expand particular NASA research sub disciplines in North Dakota.

Seed research proposals are due at noon on July 13, 2022.

The full RFP, online submission form and budget sheet can be found in the: http://blogs.und.edu/jdosas/2022/05/nd-nasa-epscor-research-and-travel-rfp-summer-2022/.

FY 2023 RII Track-1 solicitation (NSF 22-599)

The FY 2023 RII Track-1 solicitation (NSF 22-599) has been released. https://beta.nsf.gov/funding/opportunities/epscor-research-infrastructure-improvement-program-track-1-rii-track-1 Letter of Intent Due Date(s) (required) (due by 5 p.m submitter's local time): July 19, 2022 Full Proposal Deadline(s) (due by 5 p.m. submitter's local time): August 22, 2022

Department of Defense: DEPSCoR Regional DoD Day

The Department of Defense (DoD) has asked the University of South Dakota to host a regional DEPSCoR DoD Day, where DoD program managers will provide information about the DEPSCoR program and general information about working with the DoD. The regional DEPSCoR Day will be held in Spring of 2022 in Vermillion, SD. For more information, please see: DEPSCoR Regional DoD Day

NSF: EPSCoR Workshop Opportunities

EPSCoR is designed to fulfill NSF's mandate to promote scientific progress nationwide, and NSF EPSCoR continually welcomes proposals for workshops in Solicitation NSF 19-588. These workshops focus on multi-jurisdictional efforts of regional to national importance related to EPSCoR's goals and NSF's mission. For more information, please see the RFP: EPSCoR Workshop Opportunities

Acronyms

Participating Institutions:
- Master's College/University (MCU)
  - Minot State – Minot State University
- Primarily Undergraduate Institutions (PUIs)
  - DSU – Dickinson State University
  - Mayville State – Mayville State University
  - VCSU – Valley City State University
- Research Universities (RUs)
  - NDSU – North Dakota State University
  - UND – University of North Dakota
- Tribal Colleges/Universities (TCUs)
  - CCCC – Cankdeska Cikana Community College
  - NHSC – Nueta Hidatsa Sahnish College
  - SBC – Sitting Bull College
  - TMCC – Turtle Mountain Community College
  - UTTC – United Tribes Technical College

Funding:
- National Science Foundation (NSF) EPSCoR Research Infrastructure Improvement (RII) Track-1 Cooperative Agreements
  - ND-ACES – New Discoveries in the Advanced Interface of Computation, Engineering, and Science (NSF OIA #1946202)
- NSF Collaborative Research
  - CIRCLES Alliance – Cultivating Indigenous Research Communities for Leadership in Education and STEM Alliance (NSF OIA #2038196)
- ND EPSCoR State Office
  - STEM programming identified within the newsletter and state match funding for ND-ACES

Acknowledgement

Stay in touch

Our mailing address is:
ND EPSCoR
1805 NDSU Research Park Drive N
Fargo, ND 58102
701-231-8400
www.ndepscor.ndus.edu
email: ndepscor@ndus.edu
Subscribe to the ND EPSCoR YouTube Channel
Twitter: @NDEPSCoR
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