



Fire and Ice Project Elements

2019 All-Hands Meeting
October 4, 2019



Management

Project Administrator Faye Gallant



Pips Veazey
PI/PD



Faye Gallant
PA

Project Leadership



Allison Bidlack
Co-PI/UAS lead



LeeAnn Munk
Co-PI/UAA lead



Uma Bhatt
Co-PI/Boreal
Co-lead



Todd Brinkman
Boreal Co-lead



Laura Conner
DEW lead



Brenda Konar
Co-PI/Coastal
Co-lead



Anne Beaudreau
Coastal Co-lead



Management Team

- Pips Veazey, PI/PD adveazey@alaska.edu
- Faye Gallant, Project Administrator fsgallant@alaska.edu
- Shannon Watson, Fiscal Manager slwatson@alaska.edu
- Tom Moran, Communications Manager tmoran3@alaska.edu
- Cassidy Phillips, Data Visualization Specialist chphillips@alaska.edu
- Naomi Hutchquist, Data Visualization Intern nrhutchens2@alaska.edu

Management and Evaluation



Seed Funding and Travel Grants

Project Administrator Faye Gallant

Project Goal SF1: Seed high-risk, potentially transformative research and outreach related to F&I

Seed Awards- Due October 14

	Year Two	Year Three	Year Four	Year Five
Research up to \$20k direct costs	5 awards	5 awards	5 awards	2 awards
Outreach up to \$10k direct costs	5 awards	-	5 awards	-




**ALASKA NSF EPSCoR
SEED GRANTS**

Alaska NSF EPSCoR will competitively award a series of seed grants to University of Alaska faculty, staff, and students to conduct innovative research and outreach activities that support the goals of the EPSCoR "Five and Ten" project. (www.alaska.edu/epscor/five-and-ten/). Grants will be awarded in three categories:


- Faculty Research Seed Grants** of up to \$10,000 each will be awarded to early and mid-career, full-time faculty members of the University of Alaska to carry out proposals for new and innovative research projects.
- Student Research Seed Grants** of up to \$2,000 each will be awarded for similar proposals from graduate or undergraduate students at the University of Alaska.
- Education and Outreach Seed Grants** of up to \$5,000 each will be awarded to UA faculty, staff or students for innovative proposals to build key competencies in critical ecological change, to build a diverse field of STEM career and workers in Alaska, and to increase capacity for five and ten outreach and teaching among UA faculty and students.

Deadline for all awards is October 14. For more information and to apply visit www.alaska.edu/epscor/awards.



Alaska EPSCoR
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Seed Funding and Travel Grants



Project Goal DEW3: Increase capacity for F&I science and teaching among UA faculty and students

- 10 travel awards in Year One, 23 awards in Year Two. Congratulations!
- Travel awards support knowledge transfer, collaboration, and career development for students, faculty, and staff across UA system
- Travel award opportunities will be offered each project year



Seed Funding and Travel Grants



Economic Development Partnerships and Collaborations

Project Administrator Faye Gallant

Project Goal PC1. Strengthen and expand Alaska's STEM economy and entrepreneurial ecosystem

- TREND support: Phase 0 Grants and SBIR/STTR workshops (more to come!)
- Hackathon sponsorship
- Fairbanks Startup Weekend sponsorship
- Virtual Reality workshop



Economic Development: Partnerships and Collaborations



Communications

Communications Manager Tom Moran

Internal communications

- Website
- Letters from the Principal Investigator (editor)
- Listserv
- Annual reporting

Alaska EPSCoR ESTABLISHED PROGRAM TO STIMULATE COMPETITIVE RESEARCH

Home The NSF ice Teaching Through Technologies Data Portal Publications Videos Facebook Twitter Instagram Site Space

Strengthening Alaska through
SCIENCE RESEARCH & EDUCATION

Welcome to Alaska NSF EPSCoR

Alaska NSF EPSCoR improves Alaska's scientific capacity by engaging in research projects supported through [Marine License Expenditures](#) and state funds. EPSCoR recently commenced ["Fire and Ice,"](#) a five-year project to study climate-driven changes to Alaskan tundra regimes and coastal ecosystems. For more information check out one-page summaries of each component of the program: [Annual Plans](#), [Coastal Narratives](#), and [University, Education and Workforce Development](#).

Alaska NSF EPSCoR also helps to administer ["Teaching Through Technologies,"](#) a three-year educational project to excite high school students about science through experiments with unmanned aerial vehicles, 3-D printers and codeable digital devices. EPSCoR also supports Alaska researchers through [other funding streams](#). In addition, the organization just concluded a six-year project entitled "Alaska Adaptive to Changing Environments (ACE)," which examined the mechanisms by which communities adapt to environmental and social change. For more information about our history, take a look at this small [passer](#) that tracks the timeline and structure of NSF EPSCoR in Alaska.

Research, Education and Outreach seed grants available

The Alaska NSF EPSCoR Fire and Ice project will competitively award a series of seed grants to University of Alaska faculty, staff, and students. More information and application links can be found on our [Awards](#) page.

Grants will be awarded in three categories:

1. Faculty Research Seed Grants of up to \$25,000 each will be awarded to early- and mid-career, full-time faculty members of the University of Alaska to carry out proposals for new and innovative research projects that support the goals of the Alaska NSF EPSCoR "Fire and Ice" research project. The application deadline is October 14, 2019.
2. Student Research Seed Grants of up to \$4,000 each will be awarded for similar proposals from graduate or undergraduate students at the University of Alaska. The application deadline is October 14, 2019.

INDIGENOUS KNOWLEDGES WORKSHOP

WORK WITH US: ENGAGING INDIGENOUS KNOWLEDGES IN TEACHING AND RESEARCH PRACTICE WITH INTEGRITY

University of Alaska Fairbanks (UAF) is an affirmative action and equal opportunity institution. It is the policy of UAF to provide equal educational and employment opportunities to all individuals, regardless of race, sex, age, religion, national origin, or ancestry. UAF is an affirmative action and equal opportunity institution. It is the policy of UAF to provide equal educational and employment opportunities to all individuals, regardless of race, sex, age, religion, national origin, or ancestry.

Co-located on October 10th and 11th, 2018, the workshop will bring together UAF faculty, staff, and students to explore the role of Indigenous Knowledge in teaching and research practice with integrity. The workshop will be held in the UAF Center for the Study of the Arctic Region (CSAR) at UAF Fairbanks.

Workshop 1: UAF campus location: TEA, 5th Ave. 10th Floor, Fairbanks, AK 99775

Workshop 2: UAF campus location: TEA, 5th Ave. 10th Floor, Fairbanks, AK 99775

Registration and ticket information: Visit <https://fairport.com/indigenous/> for more information. Contact: offices@uaf.edu




Dr. Bruce G. Johnson is a professor and director of the Arctic Studies Center at the University of Alaska Fairbanks. He is also a member of the UAF Center for the Study of the Arctic Region (CSAR). Dr. Susan J. Brink is a professor and director of the UAF Center for the Study of the Arctic Region (CSAR). She is also a member of the UAF Center for the Study of the Arctic Region (CSAR).

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EPSCoR



Alaska NSF EPSCoR Fire and Ice Coastal Margins Faculty

 Co-Lead Andrea Eisenmann Associate Professor of Marine Biology, UAF CPO (Climate), Expertise: Ecology and Human Dimensions of Fisheries	 Co-Lead Brandon Foster Professor of Fisheries, UAF CPO Expertise: Swath Hydrography, FISH-GL
 Co-PI Andrew Willick Assistant Professor of Environmental Science, UAF Expertise: Coastal Fisheries Ecosystems	 Co-PI Lisa Ann Willick Professor of Geographical Science, UAF Expertise: Watershed Hydrogeology
 Jason Tallman Research Associate Professor, UAF Expertise: Biogeochemistry and Environmental Policy	 Ryan Hines Professor of Environmental Science, UAF Expertise: Environmental Biogeochemistry
 Claudia Hovell Research Associate Professor of Chemical Oceanography, IARC Expertise: Ocean Acidification and Modeling	 Kristin Bunn Professor of Marine Biology, UAF Expertise: Marine Food Webs
 Mark Johnson Professor of Oceanography, CPO Expertise: Near and Coastal and Large Scale Hydrography	 Amanda Kolby Assistant Professor of Marine Biology, CPO Expertise: Marine Biology and Ocean Acidification
 Franz Muehlen Associate Professor of Fisheries, UAF CPO (Climate) Expertise: Fisheries and Fisheries Management	 Albert Friedrik Research Associate Professor, UAF CPO (Climate) Expertise: Biological Oceanography and Fisheries Management
 Martin Stoeckli Senior Lecturer, UAF CPO Expertise: Hydrography and Oceanography	 Todd Suttner Professor of Fisheries, UAF CPO Expertise: Fisheries and Oceanography
 Matt Benjamin Professor of Oceanography, UAF CPO Expertise: Fisheries and Oceanography	 Eric Kling Associate Professor of Geological Sciences, UAF CPO Expertise: Hydrography and Oceanography
 Jan Schmidt Associate Professor of Natural Resources Management and Policy, UAF Expertise: Hydrography and Oceanography	

External communications

- Social Media: Facebook, Twitter, Instagram, Youtube
- Events and advertising
- Print media
- Fire and Ice swag

Film and Video



Communications



Data Visualization

Data Visualization Specialists Cassidy Phillips and Naomi Hutchquist

Dev Space / Vis Space

Cutting-edge facilities to visualize Fire and Ice results. Projects include:

- Virtual quadrats
- Smoke simulation
- Virtual Reality workshop
- Hyperspectral Imaging animation





Questions?