Wednesday, October 28
10:00 – 11:30 am
401 Akasofu (IARC)
Interdisciplinary PhD defense
Local herpetological knowledge in the North: Case studies in the use of unique methods to acquire baseline population parameters for amphibians in Alaska
Joshua Ream, Interdisciplinary PhD candidate (RAP 2009-2010)

10:00 -11:00 am
Globe Room, 215 Elvey
MS Physics project defense
Use of NCPA propagation code: A user's manual
Andrew Winkelman

ABSTRACT: In acoustic and seismic studies, propagation simulations are a common research method. In infrasound studies, established simulations codes are often difficult to come by and are usually developed by individuals to investigate a particular situation; each individual must spend time and effort developing their own code. A standardized, though proprietary, set of propagation codes for infrasound studies has been developed by the National Center for Physical Acoustics (NCPA) at the University of Mississippi and provided to the infrasound researchers here at UAF. We will discuss the components, requirements, common usage, and limitations of the NCPA Propagation Code package, effectively training researchers in operation of these "off the shelf" routines. In addition to general information, we will compare results from the NCPA Propagation Code package to a previously published case study: regional-scale propagation of infrasound through moderately strong stratospheric wind jets observed during Sayarim calibration experiments in 2009.

1:00 – 2:00 pm
Vera Alexander Learning Center, 201 O’Neill Bldg
SFOS Climate Change Seminar
Climate and energy scenarios on the North Slope - North Slope Science Initiative Scenarios project
Olivia Lee, UAF Geophysical Institute.

6:00 – 8:00 pm
Wood Center ballroom
Student forums on Title IX and sexual assault
UAF is hosting a number of student forums on Title IX and sexual assault this week designed to get feedback from our students on improving campus response to sexual assault.

These student sessions are designed as focus groups to capture student ideas on how to increase awareness, make reporting easier, improve campus response and eradicate sexual misconduct on our campus.

Thursday, October 29
Murie Auditorium
1:00 -2:00 pm
Wildlife Biology and Conservation MS defense
Space use and movements of moose hunters and wolves in the Yukon Flats, Alaska
Ian Johnson, MS candidate in Wildlife Biology and Conservation (RAP 2013-2014)
1:00 - 2:00 pm
Wood Center ballroom
Student forums on Title IX and sexual assault
UAF is hosting a number of student forums on Title IX and sexual assault this week designed to get feedback from our students on improving campus response to sexual assault.

These student sessions are designed as focus groups to capture student ideas on how to increase awareness, make reporting easier, improve campus response and eradicate sexual misconduct on our campus.

Friday, October 30
12:00 -1:00 pm
209 Gruening
Joint UAA/UAF Clinical–Community Psychology Program Ph.D. defense
The Sexist MESS: Development and initial validation of the Sexist Microaggressions Experiences and Stress Scale and the relationship between sexist microaggressions and women’s mental health
Annie Derthick, M.A., M.S.; Ph.D. candidate, Joint UAA/UAF Clinical–Community Psychology Program

3:00 – 4:00 pm
Murie Auditorium, 104 Murie
Life Sciences Hour
Mitigating metabolic stress: Effects of nutrients and activity
Robert “Trey” Coker, Center for Alaska Native Health Research, Institute of Arctic Biology, Department of Biology and Wildlife.

3:30 -5:00 pm
Vera Alexander Learning Center, 201 O’Neill Bldg
SFOS M.S. defense
Investigating marine particle distributions and processes using in situ optical imaging in the Gulf of Alaska
Jessie Turner, M.S. Oceanography candidate

3:30 -5:00 pm
214 O’Neill Building (by VCON from Juneau)
Juneau Fisheries Seminar
The role of ice as habitat for harbor seals in tidewater glacier fjords
Jamie Womble, National Park Service
ABSTRACT: Tidewater glaciers are a prominent landscape feature along the southeastern and south-central coasts of Alaska and play an important role in landscape and ecosystem processes. Tidewater glaciers calve icebergs into the marine environment, which then serve as pupping and molting habitat for some of the largest aggregations of harbor seals in the world. Although tidewater glaciers are naturally dynamic, advancing and retreating in response to local climatic and fjord conditions, most of the ice sheets that feed tidewater glaciers in Alaska are thinning and, as a result, many of the tidewater glaciers are retreating. Climate change models predict continual and rapid loss of glacial ice with unknown impacts to organisms that rely on tidewater glacial habitat. From 2007-2014, we used aerial photography, object-based image analysis, and spatial models to quantify changes in the availability of glacial ice as habitat for harbor seals in Johns Hopkins Inlet (JHI), a glacial fjord in Glacier Bay National Park, Alaska. Systematic aerial photographic surveys were conducted of seals and ice during the pupping (June) and molting (August) seasons. Surveys were flown along a grid of 12 transects and high-resolution digital photos were taken directly under the plane using a vertically aimed camera. Seals were mapped and spatial statistical models were used to create an intensity surface from mapped seal densities. Object-based image analysis was used to quantify iceberg size, % ice cover, and % open water in the fjord. The spatial distribution of seals was more extensive in June and corresponded to increased ice coverage in the fjord. Harbor seals exhibit a high degree of fidelity to several tidewater glacial fjords in Alaska, thus understanding the relationships between glacier dynamics and harbor seal distribution and abundance will be critical for understanding how future changes in tidewater glaciers may influence harbor seals.

7:30 -9:30 pm
Salisbury Theatre
Stop Kiss
After Callie meets Sara, the two unexpectedly fall in love. Their first kiss provokes a violent attack that transforms their lives in a way they could never anticipate.
Weekly on Sunday, Thursday, Friday, Saturday, until Nov 8, 2015

Saturday, October 31
5:00 - 7:00 pm
Moore Bartlett Skarland Housing Complex
Halloween Carnival
A Halloween carnival that allows parents and children to trick or treat in the residence halls. To trick or treat, they are escorted by a Resident Assistant in small groups and can trick or treat in Moore/Bartlett or Skarland.

Coming up
Friday, November 6
3:00 – 4:00 pm
Murie Auditorium, 104 Murie
Life Sciences Hour
Your Career: Advice and Conversation for Aspiring and Working Environmental Professionals
Abstract: Both aspiring and working environmental professionals often face career decisions, a reality that is ignored in most university programs and, for that matter, by most individuals. As the needs of the world’s employers change, environmental professionals will face many tough career questions on topics from salary to job security to personal satisfaction to ethics. In this interactive seminar, I will draw from my personal experiences working for and with government agencies, academic institutions, energy companies, nongovernmental organizations, and others to lead a discussion about environmental careers, with some focus on research careers. Participants in the seminar will be encouraged to share their personal experiences and questions, so please come prepared to discuss opportunities, concerns, and career trajectories. If the seminar goes well, participants will leave better prepared to understand their own career needs and options.

The November All RAP is scheduled for Tuesday, November 17, 3:30-5:30 pm, Murie Auditorium with presenter Dr. Robin Reid. The December All RAP is scheduled for Monday, December 7. Time and location TBD. The presenter will be RAP alum Winslow Hansen, PhD candidate University of Wisconsin-Madison.

**ABSTRACTS/MEETINGS/PROFESSIONAL DEVELOPMENT**

<table>
<thead>
<tr>
<th><strong>EPA Seeking Young Adults to Serve on NEJAC Work Group on Climate Justice</strong></th>
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<td>EPA is seeking young adults, ages 18 to 29, who are involved in climate change efforts and/or advocacy, to participate on this “first of its kind” youth-led advisory work group to assist the National Environmental Justice Council (NEJAC) <a href="http://www3.epa.gov/environmentaljustice/nejac/index.html">http://www3.epa.gov/environmentaljustice/nejac/index.html</a> in developing advice and recommendations to assist EPA in developing best practices to address climate change concerns. EPA recognizes the key role that youth play in bringing awareness to climate change and offering solutions to transform our societies toward a low-carbon and climate resilient future. It is essential that youth have a seat at the table and help inform the hard decisions that must be made that affect so many. Thus, the formation of the NEJAC Youth Perspectives on Climate Justice Work Group seeks to include young people in assisting EPA in addressing climate change concerns.</td>
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<td>The work group will explore several issues, including:</td>
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<td><em>How can EPA effectively engage with youth on climate change and adaptation planning using new resources and tools designed to help communities become more resilient and better protect themselves from the impacts of climate change? What activities and mechanisms (e.g. policy, guidance, or protocol) should EPA consider to authentically engage and work...</em></td>
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collaboratively with youth, and other interested stakeholders, to identify and address climate change impacts on overburdened and vulnerable communities?

What best practices, including efforts to address the compounding health vulnerabilities brought on by climate change, can be provided using youth driven projects from across the United States from which results-oriented recommendations can be drawn?

**Applications are due November 30, 2015**

The NEJAC Youth Perspectives on Climate Justice Work Group will be convened in January 2016. We anticipate that the work group will conduct its business primarily through bimonthly teleconference calls. This work group may meet face-to-face once annually. The average workload for the members is approximately 4 to 5 hours per month, which represents a rough estimate of the time members will spend in teleconference calls and reviewing relevant documents.

We are looking forward to working with a geographically diverse group of emerging thought leaders in the climate change space. Your Voice Matters! Apply now for the new "Climate Justice Youth Work Group."

Check out today’s EJ in Action Blog to read more about why your voice matters. [https://blog.epa.gov/blog/2015/10/make-your-voice-heard-on-climate-justice/](https://blog.epa.gov/blog/2015/10/make-your-voice-heard-on-climate-justice/)


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**Co-Management Symposium**

**Weaving Together Two Worlds**

**November 18-20, 2015**

[http://tribalmgmt.uaf.edu/co-mgmt](http://tribalmgmt.uaf.edu/co-mgmt)

**Purpose:** A forum to build understanding, relationships, and knowledge for advancing the co-management of Alaskan fish and wildlife resources.

**Progressive focus:** Shared value of healthy ecosystems, healthy populations, and resource abundance.

Co-Management is the term that defines systems and opportunities that provide an adequate and meaningful role for Alaska Natives in management of traditional resources. Alaska Natives and their Tribal governments, Tribal consortiums, nonprofits, and corporations have served as stewards of their traditional lands and resources for thousands of years maintaining healthy and productive ecosystems, they have proven knowledge, skills, and abilities to adequately manage Alaska’s fish and wildlife resources. Co-Management refers to a system where those relying upon the resources have a substantial role in making decisions about the management for healthy, productive ecosystems and populations.

**Who is this symposium for?**

This event will bring together University of Alaska researchers and staff, Alaska Native Tribal and ANCSA corporation leaders and staff, state and federal fish and game managers, and those with the vested interest in seeing successful co-management in Alaska.

**Co-Management Symposium - Day 1 & 2**

Building on a historical perspective of fish and wildlife management in Alaska, speakers will focus on the contemporary challenges and opportunities for co-management in Alaska today. Successful examples of co-management in action will be highlighted, one-to-one sharing and dialogue will be incorporated, and collaborative solutions will be identified.
Co-Production of Knowledge - Day 3

In conjunction with the Co-Management Symposium there will be an optional third day for Tribal leaders/staff, university researchers, and agency researchers that are interested in developing collaborative research partnerships. This interactive workshop will be particularly useful for Tribal leaders who are seeking partners for identified research priorities.

10/19/15

Registration opened this week for 2016’s largest international gathering dedicated to the Arctic, which will be held this spring break at the University of Alaska Fairbanks.

The Arctic Science Summit Week (https://assw2016.org/), Arctic Observing Summit (http://www.arcticobservingsummit.org/aos-2016-themes-and-important-announcements), Arctic Council Senior Arctic Officials Meeting, Model Arctic Council and related events will attract nearly 1,000 scientists, policy makers, technical experts, educators and other Arctic authorities from around the world to UAF from March 9-20, 2016.

Alaska’s presence in the Arctic is the reason the United States is an Arctic nation and why UAF — America’s Arctic university — is taking leadership on the event. The summit will provide unprecedented opportunities for UAF students, staff and faculty to highlight our expertise, demonstrate our leadership and engage in international science and policy in a variety of ways.

An extensive planning effort has been underway for almost a year, but as we approach the conference the Local Organizing Committee will share occasional updates on progress, planning, opportunities and other news.

Subscribe for updates
Find out what’s happening with ASSW and the other meetings by exploring the website (https://assw2016.org/) and subscribing for email updates (https://assw2016.org/subscribe). You can also like “ASSW 2016” on Facebook or follow us on Twitter (@arctic2016).

Register for the conference
The conference will include plenary presentations, panel discussions, open and closed-business meetings, working group sessions, an exhibit hall, and other activities. Browse the program (https://assw2016.org/assw-program) for more information and to determine if you would like to register (https://assw2016.org/register) for one day or more of the meeting.

Public events
Several events will be open to the Fairbanks community. Many are being confirmed, so subscribe to our email list (https://assw2016.org/subscribe) and watch for more information soon.

Get involved
Putting together a conference of this magnitude is no small feat. Please work with us to help UAF shine and make the event a success. We will be looking for student volunteers this fall and winter, and we continue to look for help from staff, faculty and students for various planning activities. If you have funding, staff capacity or want to get involved in some other way, please email Scott Rupp (tsrupp@alaska.edu), chair of the Local Organizing Committee.

10/12/15

EcoSummit 2016
Ecological Sustainability: Engineering Change
29 August - 1 September 2016, Le Corum, Montpellier, France
The closing date for abstract submission is 29 January 2016
http://www.ecosummit2016.org/
The 5th International EcoSummit Congress, EcoSummit 2016 - Ecological Sustainability: Engineering Change, will take place at The Corum Convention Centre, Montpellier from 29 August – 1 September 2016. This conference series was founded in 1996 in Copenhagen, as a forum to meet the demands of scientists working in several new ecological disciplines, and who required a better understanding of the concepts and methods for a holistic use of ecology in environmental management.

EcoSummit 2016 will centre on the ecology of terrestrial ecosystems and all habitats that are integrated within those ecosystems, including river networks, wetlands and coastlines. Focus will be placed on fragile ecosystems that are more likely to suffer the consequences of climate change and anthropogenic pressure. However, in the current context of an increasing world population, changes in social habit (increasing world consumerism) and climate change, it is evident that agriculture is being intensified but with a growing awareness of the need to preserve and use sustainably world resources. Therefore, we will also address how terrestrial restoration can be carried out when the massive demand for food results in fragile ecosystems, forests and marginal lands being turned over to agriculture.

Data to Decisions Visualization Workshop
November 16-17, 2015
401 Akasofu Building
Registration Information information at www.alaska.edu/epscor
Two days of presentations, hands on workshops, and discussions about visualization technology and techniques, with a focus on UAF’s new Decision theater North and UAA’s Planetarium and visualization Theater
Sessions include:
*Defining data visualization and how to undertake it
*Visualizing and integrating data for decision making
*Visualization technology
*Artistic principles for data visualization
*Hands-on workshops
*User needs and institutional capacity building
10.5.15

The Food-Energy-Water Nexus
16th National Conference and Global Forum on Science, Policy and the Environment
January 19-21, 2016
Hyatt Regency Crystal City at the Washington DC National Airport
http://foodenergywater nexus.org/
NCSE’s Poster Session provides the opportunity for research scientists, university faculty, students, and others to share research, innovations, and initiatives relevant to providing food, energy, and water to everyone without overwhelming the environment. It will run from the opening of registration on Tuesday, January 19, until after the closing reception on Thursday, January 21.

Poster submissions will close October 30, 2015.
10.5.15

INTERNISHIPS/FELLOWSHIPS/ EMPLOYMENT

Coastal Marine Institute (CMI) Student Award
The Coastal Marine Institute is pleased to announce a new funding opportunity to assist students conducting research that is technically meritorious and relevant to the BOEM mission. In 2016, CMI will award up to two Graduate Student Research Awards up to $25,000 each to qualified students for CMI related research. Award funds may be used for graduate student stipend and benefits, tuition or required university fees, or for specific research expenses such as travel, supplies, and
Assistant Professor of Forest Policy and Economics  
Department of Forestry, Michigan State University  
Position Summary:  
The Department of Forestry at Michigan State University invites applicants for a 9-month tenure system position at the assistant professor rank with a focus in forest policy and economics (70% research, 30% teaching).

Formally established in 1902, the Department of Forestry hosts the oldest continuing undergraduate forestry program in the U.S. The Department is a vibrant, growing, internationally recognized unit firmly committed to an interdisciplinary approach to understand and resolve environmental and natural resource issues. Our faculty includes leading foresters, ecologists, entomologists, economists, social scientists, and statisticians.

The position will address research and teaching on policy and economics in the context of current and emerging forestry topics related to environmental and natural resources management and society. Specific areas of expertise may include federal, state, and local forest policy and regulations, institutions and forest governance, economics and valuations, and policy analysis and evaluation that support sustainable forest use in the U.S. and globally. We seek candidates with the desire to contribute policy and economic perspectives and tools to interdisciplinary research teams pursuing crosscutting solutions to issues at multiple scales. There is particular interest in research and teaching that encompass climate change adaptation and mitigation.

The successful candidate will be expected to develop an internationally recognized research program by securing competitive external funding, publishing in leading peer-reviewed journals, and advancing understanding that promotes sustainable ecological and economic systems. In addition to building a highly productive research program, the successful candidate will be expected to teach one undergraduate course that contributes to the forest policy and economics competencies required for accreditation by the Society of American Foresters and one graduate course that is related to her/his area of expertise and that fulfills Department learning objectives. Responsibilities also include recruiting and training graduate students, undergraduate mentoring, and Department, College, University, and professional service.

Minimum Qualifications:  
An earned Ph.D. in Forestry, Natural Resources, Policy, or related field, with demonstrated training and expertise in Environmental and Resource Economics. Applicants should have a record of scholarly activities including peer-reviewed journal articles and grantmanship in their field.

Instructions to Applicants:  
**Review of applications will begin November 7, 2015** and continue until a suitable candidate is selected.

For consideration, submit a SINGLE PDF including: a letter of interest that includes qualification for the position, a curriculum vitae, statement of research experience and future direction (2 page max), statement of teaching experience and philosophy (2 page max), and contact information for three references.

Applications are to be submitted via https://jobs.msu.edu using posting number 1962.

Inquires may be made to Dr. Andrew Finley, Search Chair, by phone 517-432-7219 or email finleya@msu.edu.

*MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.*
Assistant Professor of Human Dimensions in Natural Resources
Department of Forestry, Michigan State University
Position Summary:
The Department of Forestry at Michigan State University invites applicants for a 9-month tenure system position at the assistant professor rank with a focus in human dimensions in natural resources (70% research, 30% teaching).

Formally established in 1902, the Department of Forestry hosts the oldest continuing undergraduate forestry program in the U.S. The Department is a vibrant, growing, internationally recognized unit firmly committed to an interdisciplinary approach to research and education in forestry, forest science, and natural resources management. Our faculty includes leading foresters, ecologists, economists, social scientists, and statisticians.

The position will support research and teaching with a social science perspective on current and emerging forestry topics related to environmental and natural resources management and society. Specific areas of expertise may include coupled human and natural systems, forest management and policy for sustainable systems, participatory governance, social forestry, and community facilitation and needs assessments. We seek candidates desiring to bring social science perspectives and tools to interdisciplinary research teams addressing cross-cutting questions with local to global relevance. There is particular interest in research and teaching that encompass climate change adaptation and mitigation.

The successful candidate will be expected to develop an internationally recognized research program by securing competitive external funding, publishing in leading peer reviewed journals, and advancing the role of social sciences within natural resource management and policy arenas. In addition to building a highly productive research program, the successful candidate will be expected to teach one undergraduate course that contributes to the human dimension focused competencies required for accreditation by the Society of American Foresters and one graduate course that is related to her/his area of expertise and that fulfills Department learning objectives. Responsibilities also include recruiting and training graduate students, undergraduate mentoring, Department, College, and University service, and professional service.

Minimum Qualifications: An earned Ph.D. in Human Dimensions, Forestry, Natural Resources, Sociology, Psychology, Communication, Political Science, Anthropology, Environmental and Resource Economics, or related field. Applicants should have a record of scholarly activities including peer-reviewed journal articles and grantsmanship in their field.

Instructions to Applicants:
Review of applications will begin November 7, 2015 and continue until a suitable candidate is selected.
For consideration, submit a SINGLE PDF including: a letter of interest that includes qualification for the position, a curriculum vitae, statement of research experience and future direction (2 page max), statement of teaching experience and philosophy (2 page max), and contact information for three references.

Applications are to be submitted via https://jobs.msu.edu using posting number 1963. Inquires may be made to Dr. Andrew Finley, Search Chair, by phone 517-432-7219 or email finleya@msu.edu.

MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

University of Michigan Dow Postdoctoral Fellowships in Sustainability 2016 — Request for Applications

The Graham Sustainability Institute is now accepting applications for the 2016 cohort of the Dow Postdoctoral Fellows in Sustainability. Please forward this announcement to colleagues and/or prospective postdoctoral fellows.
These fellowships are designed to support a new generation of sustainability scholars who understand the necessity of collaborating across disciplines and sectors to address and solve complex sustainability challenges, with a strong focus on the interface of the social sciences/humanities and the natural/physical/engineering sciences. We are particularly eager to receive more applications from candidates whose backgrounds are in the social sciences, humanities, or the arts so we can develop a balanced cohort that covers a truly broad range of disciplines that coalesce around issues of sustainability. Applications are being solicited from a national and international pool and are due on November 16, 2015. (Applicants must complete an “Intent to Apply” by November 2.)

Each Dow Postdoctoral Fellow has a two-year appointment in a U-M School/College, Department, or Center and a concurrent two-year appointment as a program fellow, with appointments following traditional academic cycles. The next cohort of postdoctoral fellows will begin their term in September, 2016. Information on the program and application requirements/process is available here: sustainability.umich.edu/education/dow/postdoctoral. The request for proposals can be found at:graham.umich.edu/media/files/2016-External-Dow-Postdoc-RFP.pdf.

Questions about the program and/or application process should be directed to: dow-postdoc@umich.edu.

Sincerely,
Andy Hoffman
Education Director, Graham Sustainability Institute
9.14.15

GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS

STATE AND LOCAL CLIMATE AND ENERGY WEBCAST SERIES:
BRINGING ENERGY EFFICIENCY AND RENEWABLE ENERGY TO LOW-INCOME HOUSEHOLDS: WHAT’S WORKING Sponsored by U.S. Environmental Protection Agency

Under the Clean Power Plan, EPA is committed to helping communities benefit from energy efficiency and renewable energy (EE/RE). To facilitate this effort, EPA is developing a series of case studies and webinars to highlight effective efforts by state and local agencies, non-profits, and utilities to bring EE/RE to low-income households. The case studies and webinars will highlight proven, practical, scalable, replicable, and sustainable programs and policies, focusing on how they overcame common barriers to successful implementation. EPA hopes these examples will inform state and local EE/RE strategies targeted at low-income households.

Webcast #1: Better Together: Linking and Leveraging Energy Programs for Low-Income Households Date: Thursday, November 19, 2015 Time: 2:00 p.m. -3:30 p.m. Eastern Time Registration: Register here for the November 19 webcast: https://attendee.gotowebinar.com/register/7475586524357611778.

This 90-minute webinar will explore the topic of linking and leveraging EE/RE programs for limited-income households, including the need to coordinate with other energy assistance programs. It will present case studies of organizations that have successfully advanced connections among available programs and funding sources.

Low-income households typically spend more on energy than average households do, both in absolute terms and as a percentage of household expenditures. Furthermore, low-income households often lack the means to make improvements in energy efficiency or to purchase renewable energy technologies. Recognizing these facts, government agencies, non-profits, and utilities offer a wide range of EE/RE programs targeted to low-income households. Too often, however, the services provided by these programs are delivered independently, without a high level of coordination. This can result in duplication of effort, wasted resources, and reduced effectiveness. States and organizations responsible for administering
programs may overlook opportunities to leverage additional funding and technical expertise when programs are not aligned.

**Agenda**

*Introduction. Jacob Moss, acting deputy director, Climate Protection Partnerships Division, U.S. EPA


*Designing Utility Programs to Coordinate Assistance. Sharon Palmer, principal marketing analyst, DTE Energy and Jason Sparks, manager, DTE Energy.

If you have any questions about this webinar series, please contact Victoria Ludwig at Ludwig.Victoria@epa.gov.

For more information about EPA’s Local Climate and Energy Webcasts, visit: [http://www3.epa.gov/statelocalclimate/web-podcasts/local-webcasts.html](http://www3.epa.gov/statelocalclimate/web-podcasts/local-webcasts.html)

State and local officials interested in additional information about developing and implementing cost-effective climate and energy strategies that help further environmental goals and achieve public health and economic benefits may visit: [http://www3.epa.gov/statelocalclimate/](http://www3.epa.gov/statelocalclimate/)

10/26/15

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**PoLAR Voices, A podcast investigating climate change science and its impact on life at the poles**

**Listen.** Tune in every 3rd Wednesday at thepolarhub.org for the latest episode, or find us on iTunes. Learn Why is climate change more intense at the poles? How does climate change impact life in the North? What is the global impact of polar warming? How can we mitigate negative changes? Explore the science of polar climate change on PoLAR Voices.

**Learning Tools.** Our learning tools allow you to test your knowledge and link to additional thepolarhub.org/project/polar-voices educational resources. Try out our episode specific quizzes or connect with current research on climate change.

**Participate.** Have something to add? Post a comment on our blog: [https://polaraudio.wordpress.com/](https://polaraudio.wordpress.com/)

Have something to say? Post feedback on our blog or website: [https://polaraudio.wordpress.com/](https://polaraudio.wordpress.com/) or [http://thepolarhub.org/project/polar-voices](http://thepolarhub.org/project/polar-voices)

**Have something to share?** If you are a researcher or are living in the North and have an interesting story about high latitude climate change, contact us about being featured in an episode.

**Contact Us**

Annie Quinney  
Arctic Institute of North America  
2500 University Drive NW, ES-1040  
Calgary, Alberta, Canada  
1-403-220-5775  
[aequinne@ucalgary.ca](mailto:aequinne@ucalgary.ca)  
[http://thepolarhub.org/project/polar-voices](http://thepolarhub.org/project/polar-voices)

*Polar Voices is part of the Polar Learning And Responding (PoLAR) Climate Change Education Partnership and is funded by the National Science Foundation.*

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ASRA Request for Module Proposals
Deadline: October 31, 2015  
Contact: Laura Conner (ldconner@alaska.edu), ASRA Director

Overview  
The Alaska Summer Research Academy (ASRA) offers research and problem-based learning experiences to students in grades 6-12. Students focus on one area of study (through a module) over the course of two weeks and complete individual or group research projects. Modules are designed to be fun and engaging, while containing challenging content. All are set in a context that will interest students. There are no exams, grades, or homework. ASRA experiences should be hands-on, with very little lecturing. Goals include building interest in STEM and exposing students to a college setting.

ASRA is seeking proposals for modules for the summer of 2016. Instructor teams develop and teach the content of a module (there are 8-10 students per module). We encourage instructors to think broadly—modules can be focused on biology, chemistry, geology, physics, engineering, math, or may be interdisciplinary. Some modules take place in remote areas. Examples of past modules are Marine Biology (on the Kenai Peninsula), Biomedicine, Engineering Design, Denali Geographic, Veterinary Medicine, and others.

Instructor teams may be comprised of faculty, post-docs, graduate students, K-12 teachers, or other professionals in the STEM fields. If you are a researcher interested in working with a K-12 teacher, ASRA staff may be able to connect you to an interested teacher. Conversely, if you are a teacher interested in ASRA, we may be able to connect you with interested researchers.

ASRA logistics  
In 2016, there will be a single ASRA, held from July 18-29. There will be separate module offerings for middle and high school students. ASRA 2016 will be a day camp only (no housing is offered). Instructors teach from 9AM-5PM daily (with weekend off). A module could include a REMOTE component for all or part of the program. The final day of ASRA, July 29, students present their work in a public forum, with a pizza lunch. July 28 is devoted to preparing for presentations and cleaning up supplies.

ASRA provides pay for two instructors (at least two instructors are required), a supply budget (usually a maximum of $1000), mentoring, and logistical support. Instructor pay is $2500 for lead instructors and $2000 for assistant instructors, which covers prep time, instruction time, training, and meetings (teams may be composed of two lead instructors or 1 lead and 1 assistant instructor).

To propose a module, please provide a 2-page summary that includes the following information:
1) A proposed module title that will appeal to students
2) A description of the module, including sample activities
3) Learning goals of proposed module, and science content that will be covered
4) A budget, detailing supplies needed (limit is usually $1000. Note: ASRA-owned supplies and equipment are available for use—contact us for details)
5) Names, contact information, and qualifications of the proposed instructors (Two instructors are required for each module). Please include any experience or familiarity with hands-on or problem-based learning techniques.
6) Any in-kind support that can be offered (e.g., salary support, specialized equipment, etc.)
7) Special logistical needs (remote camp, vans for field trips, etc.)
8) Whether you would like to request Saturday, July 23, as an additional day of instruction (note that most modules will not meet on Saturday, but please indicate if you have a need to do so).
9) Please indicate whether your module will be for middle school (grades 6-8) or high school (grades 9-12) students.

Submit your proposal by October 31, 2015, to Laura Conner, ASRA Director (ldconner@alaska.edu). Please visit our website (www.uaf.edu/asra) for more information about the program. Please do not hesitate to contact us with questions or ideas.
Please send suggestions, announcements, etc. to Mary van Muelken, mavanmuelken@alaska.edu