

State Committee for Research Meeting Agenda

Date: December 18, 2019

Time: 10:00 a.m. – 12:00 p.m.

Zoom: <https://alaska.zoom.us/j/898456076>

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Meeting ID:

1. Review and approve 9/18/19 meeting summary – Paul, 5 min. *(attachment)*
 - a. If there are any corrections or objections, please send to Kelly
2. Review SCoR Membership – Paul, 10 min. *(attachment)*
 - a. Paul asks everyone to review the current membership list. Will discuss at the next meeting.
3. National update - Paul, 5 minutes
 - a. The committee looks at the Federal initiatives. In the current FY20 bills going to the president right now, all programs combined totals \$701M. We are seeing a growth in the programs. We are benefitting from these. DEPSCoR program, new this year. We are eligible for all of these areas. In February, Paul and the PIs for EPSCoR will be going to DC to attend the yearly meeting. There is a lot of support from the delegations to spread the wealth. Denise would like to coordinate DC travel
 - b. University is having a visit from SUPDUSST. Looking at ADAC in Anchorage as a research center of excellence for the Dept of Homeland Security. The visit is going well. Renewing ADAC
 - i. New Arctic Security Center – something the delegation is working on. Establish a relationship with the Wilson Center. The possibility of having an Arctic focus, as opposed to a Command focus. Currently preparing a white paper for the need for Arctic security.
 1. Space command being established

2. Garmish and Hawaii – do a joint seminar – what could an arctic center study – co sponsored by the Munich Security Center
 - c. Dept of Defense visit to talk about the research at the university.
 - d. Questions continue to come in regarding accreditation and meeting our responsibilities in regards to the budget. There is a growth in research, especially with non NSF partners.
4. Discuss Alaska Research Priorities – Lt. Gov/Rep, 10 min (Josh Applebee)
 - a. Chief of staff to Kevin Myer – Trying to make sure the Lt. Gov is as involved as he can.
 - b. Would like a list of the list of current Arctic related projects/research activities. We get about \$120M in Federal money. Divide into federal and state funded.

ACTION: Put list on next meeting agenda.

5. University Federal Initiative Process – Paul, 10 min
 - a. Dustin Bryant has been working on compiling a list of initiatives from each of the three universities. Some were targeted initiatives, very specific Alaska based, Alaska centric initiatives. It looks like about \$23M in targeted initiatives – NOAA, DOD, Interior will be coming to Alaska for FY2020. We are requesting that they continue. Once we have the final appropriation, we will notify everyone.
 - i. We have solicited a new list from the universities. Discussing the process for moving the new initiatives forward. Sharing with the campuses and will share with the SCoR committee at the February meeting. Systemwide approach now. USARRAY – Operations money – USGS to maintain the seismic instruments, with a request to NOAA to maintain atmospheric instruments.
 - ii. President Johnsen will be going to DC in January to meet with directors and legislators to discuss the initiatives.
 - iii. There are some programs that have coalitions that meet with the legislators. They reach a broad base of congressional members. Will be bringing students.
 - iv. Do a separate paper on all of the microgrid and Arctic. FBI is concerned about unfriendly nations doing business in the region. Showing what we

are doing with energy storage, microgrids, etc, and cleaning up our energy supply would be well received in Washington.

1. Methane hydrates – North Slope (Prudhoe Bay – performing the first test that is longer than a few weeks long) Long term monitoring drill site. Worldwide effects/understanding of the resource. We have the best natural laboratory.
2. April 30-May 6th visit from Japan (Mead Treadwell) – Methane Hydrates
3. Blue Economy – Blue Carbon – Heidi Pearson and CFOS – emerging area of understanding ocean processes. Understanding the carbon cycle and the other processes in the ocean.
4. Coastal erosion -

ACTION: Invite Gwen Holdman to assist with integrating the university into these energy initiatives.

6. Establishment of SCoR Outreach and Communications – Paul, 10 min.
 - a. Message the economic impact of research
 - b. Build a Fire book – update
 - c. Get more industry members
 - d. Fiberoptics – development aspect
 - e. Economic impact of having a university – applied research – business case
 - i. 3D printing
 - f. Business in a changing climate
 - g. Publicity – The public likes stories about people
 - i. Also on SCoR and research in general – press release
 - h. Sustainable development goals – Alaska ranks 46 out of the 50 states – improve the metrics by how we assess ourselves
7. Enhancing and Communicating Economic Impacts of the University – Paul 10 min.
8. JEDC Innovation Summit 2/26/20 – Brian Holst, 10 min.
 - a. Registration is open until 1/15/19
 - b. Creating an idea
 - c. Angel investing bootcamp

9. Innovators Hall of Fame Nominee Discussion

- a. Brian – Four nominations. Ecosystem support designation –
 - i. Hold for next year to be able to discuss and potentially expand the criteria
- b. Location of the Hall of Fame – Permanent place to display the recipients
 - i. Airports
 - ii. Engineering buildings – Chancellor Sandeen was interested in assisting this area.
 - iii. Common areas on campuses

10. NSF EPSCoR update – Pips Veazey, 10 min.

- a. Written report provided – see attachment

11. NASA EPSCoR update – Denise Thorsen, 10 min.

- a. Has received an increase in funding. The space grant has also received an increase, about \$200,000 per year over the last grant. Require match. Has 4 funding vehicles – grant from last year getting an augmentation in funding. Awarded 4 mini grants – 3 to UAF and 1 to UAA. Space medicine, space emergency medicine, nonbiological synthesis, space weather, ____ . Preproposals from UAA, awarded to UAA on corrosion studies.
- b. R3 – rapid research response – specific topic defined by NASA. We have 3 proposals this year. All from UAF – corrosion,
- c. Fly an experiment in the Space Station – testing radiation resistant bacteria for human habitation off earth.
- d. Space systems engineering labs
- e. Mark thanks Denise for her hard work now and in the past.

12. INBRE Update – Brian Barnes, 10 min.

- a. Unable to provide an update today.

13. Next meeting – February – Paul, 5 min.

14. Future topics/Roundtable - All, time remaining