

**IARPC/SEARCH Town Hall  
AGU 2017 Fall Meeting  
14 December 2017, 12:30-1:30pm  
Summary Notes**

Session moderators: Martin Jeffries (OSTP) and Brendan Kelly (SEARCH)

Total Participant Count: 75

Link to SEARCH Town Hall presentation:

*Opening Remarks:*

Martin Jeffries (OSTP) opened the town hall with words of welcome and introduced himself and IARPC. The goal of this town hall is to discuss how IARPC/SEARCH can do better at engaging and communicating with stakeholders.

Martin put IARPC within the context of their position in the OSTP as a NSTC working group and noted the timeline of the release of the Arctic Research Plans. Martin pointed to the website as a means of getting involved in IARPC. Martin highlighted the structure of the Plan, and the actionable Performance Elements. Martin also highlighted the Coastal Resilience Collaboration Team as an example of a team that worked to engage stakeholders. Martin noted the current effort to update the Principles for the Conduct of Arctic Research.

Brendan Kelley (SEARCH) introduced SEARCH as a multi-disciplinary, multi institutional place for synthesis and engagement. SEARCH focuses on finding answers for specific questions that are relevant to policy makers; how to make research available and relevant to policy makers, how to overcome communication barriers. It is important to write to anyone interested by drawing on expertise to write arctic answers (knowledge pyramids, briefs). Brendan noted the structure of the knowledge pyramids and the different resources available within their levels. Congressional staff was incorporated into the process and will be participating in the Arctic futures 2050 (meeting in 2019) that incorporates researchers and policy makers.

*Discussion:*

Effective communication:

There are different ways of communicating with different audiences. Age differences affect the best way to communicate (tv, radio, social media, ted talks, working with teachers, etc.).

(Charles Hakkarinen)

Brendan noted the issue of focus, and outreach is part of what these groups do but there is a balance between reaching out and balancing the other tasks the groups are assigned to

Linking science to industry:

There is a good opportunity to think carefully about how to engage with the private sector. (Hajo Eicken, UAF)

Martin noted that it isn't easy to engage and keep them engaged as it is a different population with different motivations. With what motivates the current administration, they would probably like to see private engagement in IARPC rise.

Brendan noted that the Arctic Encounters Symposium has been a good forum to engage with industry sectors.

There is a direct link between scientists and industry. The gap is between upper levels of management who don't have a good understanding of the research that is taking place. IARPC through OSTP could play a role to facilitate the communication.

The previous administration did invite industry into the White House. The current administration does have interests and perhaps we could convene such a meeting.

It could be useful to talk to the people in middle management in industry and science and let them carry the ball, build someone within that can translate to higher management.

What is the role of the Alaska Native corporations in science and research? Perhaps by working with native scientists this can be explored. In Barrow, there is a lot of money available that could produce actionable science.

Progress on engaging indigenous communities:

There has been a paradigm shift in new ways to look at community engagement, and the door has been open for new ideas. (Kaare Erickson, UIC)

Brendan noted that we have come a long way in the two-way conversation but there is a long way to go. The challenge of communication is to write to the broader audience.

Including Economists:

Has SEARCH or IARPC sought to engage economists? (Florence Fetterer, NSIDC)

There are growing economic issues and a growing need, but it is missing from the Arctic Research Plan. However, the plan is focused on research that would benefit from interagency collaboration.

SEARCH would like to have economists engage. There was a workshop at Middlebury Institute that addressed this issue. The report will be circulated. The EU works hard to integrate economics and research. But it is up to the science community to reach out and bring message home, especially in relation to climate change. There are opportunities for researchers outside of the Arctic Research Plan.

Citizen science:

Has citizen science been considered as a way of community engagement at a broad scale across Alaska that can get people engaged that can broadcast this to elected officials?

People see the value of this, but SEARCH's job is to facilitate synthesis, and again there needs to be focused. Although this can't be a direct activity of IARPC it could be a consequence of IARPC activities.

Citizen science and IK are two different things. But an example that connects both groups is the LEO network.

Candace Nachman (NOAA) noted NOAA's increased efforts in citizen science (like sea lion identification). NOAA also works on co-production of knowledge. Candace noted that regulations create interactions with industry. Brendan noted that NOAA has also collaborated with industry.

Alaska Eskimo Whaling Commission won't support the LEO network because of blowback from the post of a hunt which created more negative than positive attention. (Kaare Erickson, UIC) There is a gap in understanding between native entities and federal side. Perhaps producing a document that captures the structure of native entities could be part of the Principles for the conduct of Arctic research.

*Participant List:*

| Name                   | Organization                                      |
|------------------------|---|
| Abbott, Ben            | Brigham Young University                          |
| Aderhold, Kasey        | Incorporated Research Institutions for Seismology |
| Bamzai, Anjali         | U.S. National Science Foundation                  |
| Bhatt, Uma             | University of Alaska Fairbanks                    |
| Bhattacharyya, Subarna | Climformatics                                     |
| Carman, Jessie         | NOAA Office of Weather and Air Quality            |
| Cintron, Isatis        | Rutgers, The State University of New Jersey       |
| Cox, Christopher       | University of Colorado, Boulder                   |
| Daniel, Raychelle      | The Pew Charitable Trusts                         |
| de Boer, Gijs          | University of Colorado, Boulder                   |
| Desch, Steve           | Arizona State University                          |
| Dewey, Sarah           | UW Polar Science Center                           |
| Druckenmiller, Matthew | National Snow and Ice Data Center                 |
| Duerr, Ruth            | Ronin Institute for Independent Scholarship       |
| Eicken, Hajo           | University of Alaska Fairbanks                    |
| Erickson, Kaare        | Ukpeaġvik Iñupiat Corporation (UIC) Science       |
| Fetterer, Florence     | National Snow and Ice Data Center                 |
| Field, Leslie          | Ice911 Research Corporation                       |
| Gaff, Stephanie        | Ukpeaġvik Iñupiat Corporation (UIC) Science       |
| Geernaert, Gary        | U.S. Department Of Energy                         |
| Genet, Helene          | University of Alaska Fairbanks                    |
| Goetz, Scott           | Northern Arizona University                       |
| Hakkarinen, Chuck      | Self  |
| Hamilton, Lawrence     | University of New Hampshire                       |
| Hamon, Gwenaelle       | Climate and Cryosphere (CliC)                     |

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|----------------------|--|
| Hardesty, Jasper     | Sandia National Laboratories                         |
| Harper, Scott        | Office of Naval Research                             |
| Hartnett, Hilairy    | Arizona State University                             |
| Holmes, Robert       | Woods Hole Research Center                           |
| Hori, Yukari         | University of Toronto                                |
| Jeffries, Martin     | U.S. Office of Science and Technology Policy         |
| Kasischke, Eric      | U.S. National Aeronautics and Space Administration   |
| Kelly, Brendan       | University of Alaska Fairbanks                       |
| Kim, Daehui          | Yonsei University                                    |
| King, Anthony        | Oak Ridge National Laboratory                        |
| Koonaloak, James     | Ukpeagvik Iñupiat Corporation (UIC) Science          |
| Larson, Elizabeth    | U.S. National Aeronautics and Space Administration   |
| LaValley, Meredith   | U.S. Interagency Arctic Research Policy Committee    |
| Lipscomb, William    | National Center for Atmospheric Research             |
| Maksym, Ted          | Woods Hole Oceanographic Institution                 |
| Markus, Thorsten     | NASA Goddard Space Flight Center                     |
| Maslowski, Wieslaw   | Naval Postgraduate School                            |
| Mataya, Christine    | U.S. National Aeronautics and Space Administration   |
| McComiskey, Allison  | NOAA Earth System Research Laboratory                |
| McKnight, Diane      | U.S. National Science Foundation                     |
| Meier, Walter        | National Snow and Ice Data Center                    |
| Morison, James       | University of Washington                             |
| Myers, Brit          | Arctic Research Consortium of the U.S.               |
| Nachman, Candace     | U.S. National Oceanic and Atmospheric Administration |
| Okinaka, Norihiro    | Japan Oil, Gas and Metals National Corporation       |
| Omar, Ali            | NASA Langley Research Center                         |
| Osborne, Emily       | NOAA Arctic Research Program                         |
| Pan, Caleb           | The University of Montana                            |
| Parsons, Mark        | Rensselaer Polytechnic Institute                     |
| Rich, Robert         | Arctic Research Consortium of the U.S.               |
| Rom, Elizabeth       | U.S. National Science Foundation                     |
| Schaedel, Christina  | Northern Arizona University                          |
| Schuur, Edward       | Northern Arizona University                          |
| Score, Robbie        | Polar Field Services                                 |
| Seitzinger, Sybil    | University of Victoria                               |
| Sheffield Guy, Lisa  | Arctic Research Consortium of the U.S.               |
| Sholtz, Alexander    | Ice911 Research Corporation                          |
| Stanitski, Diane     | NOAA Earth System Research Laboratory                |
| Starkweather, Sandra | NOAA Climate Prediction Center                       |

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|--------------------|---|
| Stieglitz, Marc    | U.S. National Science Foundation                |
| Stott, Don         | University Corporation for Atmospheric Research |
| Taylor, Audrey     | University of Alaska Anchorage                  |
| Thomas, Michael    | Ukpeaġvik Iñupiat Corporation (UIC) Science     |
| Trochim, Erin      | University of Alaska Fairbanks                  |
| Tweedie, Craig     | University of Texas at El Paso                  |
| Van Woert, Michael | Aerospace Corporation                           |
| Wiggins, Helen     | Arctic Research Consortium of the U.S.          |
| Wilkinson, Jeremy  | British Antarctic Survey                        |
| Wolken, Gabriel    | Alaska Department of Natural Resources          |
| Wu, Xingren        | Environmental Modeling Center                   |