UNOLS Arctic Icebreaker Coordinating Committee (AICC)

Sam Laney, Chair

UNOLS Fall 2019 Meeting

Nov 21-22, 2019
Alexandria VA
AICC Mandate & Scope of Activities

- **Mandate:** Support US academic research use of Arctic icebreakers
  - Primarily US assets (USCGC Healy, RV Sikuliaq)
  - Also all other US Arctic research on icebreakers (e.g. MOSAIC).

- **Role:** planning assistance, liaising, ombudsman, guidance, etc.

- **Partnering agencies & entities:** USCG, NSF, ONR, NOAA, BOEM, USGS, NASA, NPRB, & the Arctic Research Commission, others.

- **Other stakeholders:** Continuing increase in interactions and dialogue with regional stakeholders in Bering Sea & Alaskan Arctic: e.g., AEWC and AWSC
### AICC Current Membership & Composition

- **8 of 8 seats filled**
- **Newest member:** Dr. Laurie Juranek (OSU)
- **Diversity in institutional & disciplinary representation**
- **Ex Officio:** RVTECH, RVOC, FIC, UAF
- **Other 2019 turnover:**
  - RVOC rep (Baird)
- **Upcoming turnover:**
  - 2 seats in 2020
  - 4 seats in 2021

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<tr>
<th>NAME</th>
<th>AFFILIATION</th>
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<tbody>
<tr>
<td>Aguilar-Islas, Ana (also serves as ex-officio on AICC)</td>
<td>UAF</td>
<td>10/15 to 10/21</td>
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<tr>
<td>Doug Baird</td>
<td>(Chair-Elect, RVOC, RVOC Rep to AICC)</td>
<td>UAF</td>
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<tr>
<td>Hartz, Steve *</td>
<td>(RVTEC Rep, ex-officio)</td>
<td>UAF</td>
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<tr>
<td>Laney, Sam</td>
<td>(Chair, AICC)</td>
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<td>Laurie Juranek</td>
<td>OSU</td>
<td>04/19</td>
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<td>Lomas, Michael</td>
<td>Bigelow Laboratory</td>
<td>08/14 to 08/20</td>
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<td>Persson, Ola</td>
<td>CU-Boulder</td>
<td>10/15 to 10/21</td>
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<td>Polashenski, Christopher</td>
<td>USACE-CRREL</td>
<td>08/14 to 08/20</td>
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<td>Ruppel, Carolyn</td>
<td>USGS</td>
<td>10/15 to 10/21</td>
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<td>Swift, Jim</td>
<td>(Chair of FIC, ex-officio AICC)</td>
<td>UCSD</td>
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<td>Welker, Jeff</td>
<td>UAA</td>
<td>10/15 to 10/21</td>
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AICC Activities since UNOLS Spring meeting

- **2019 Meetings:**
  - Winter meeting rescheduled as telecon 4/16/2019 (AICC-plus)
  - Summer telecon: AICC executive meeting (2018 cruise review)
  - Late summer telecon: 9/4/2019 (AICC-plus)
  - Invited telecon: 12/3/19, Arctic research vessel reporting (DoC)
  - Winter meeting: January 15-16 2020 at CG Base Seattle

- **Organizational efforts & activities:**
  - ‘Normal’ duties as per Annex VI
  - Maintaining full constitution of the committee
  - Reviewed AICC Annex VI in October 2019: minor edits
  - Updating AICC webpage to reflect current USCG, UAF information
  - Structural changes to AICC meetings & activities to be more proactive
Maintaining information sharing: AICC Winter Meeting

Information gathering & reporting from:

- **USCG**: *Healy* 2019 cruise feedback & 2020 outlook
- **USCG HQ**: U.S Coast Guard Headquarters Report
- **UAF**: *R/V Sikuliaq* update & 2020 outlook
- **ARCUS**: Foreign research vessels & other vessels in US EEZ
- **SIO**: STARC Support report
- **USCG**: C4IT Polar IT report, science data net
- **Arctic Waterways Safety Committee**: / Standard of Care Document
- **UAF**: Update on UAF Community & Environmental Compliance Standard Operating Procedures, (CECSOP) for the *R/V Sikuliaq*
- Interactions with others - clearances, permits, native communities
Proactive Topics for Jan 2020 AICC Winter Meeting

- *Healy 20th year in service*: UNOLS/AICC recognition
  - Small ceremony at CG Base Seattle (current & former COs)
  - Letter to Commandant, USCG (UNOLS Chair, AICC Chair)
  - Considering short article in appropriate publication (e.g. EOS)

- New aspects of winter meeting format: **new activities & efforts**
  - *Healy* – AICC ‘icebreakers’: building ties with Coast Guard
  - Ship briefings / tutorials: operational feedback from ships
    - On-ice evolutions, ROV operations, net towing, etc.
  - Workshops: a) cruise feedback & debriefs, b) cruise logistics

- *R/V Sikuliaq* will be in port Seattle/UW in January
  - Technical exchange & *Sikuliaq* tour for Healy officers/chiefs
Proactive: concerns with cruise feedback process

- 2019: some major issues with PI research not reported to AICC via usual process/channels
- AICC has been using a separate (non-UNOLS) cruise feedback process for *Healy*, via Chief Sci.
- Exploring new ‘ombudsman’ form for any issue not being resolved via normal channels
- Mechanism for notifying AICC
- Improving institutional memory
- Jan 2020 workshop with Healy CO & officers: revisiting overall feedback & debrief process → two-way
AICC: looking ahead to 2020 & upcoming challenges

- Operations on USCGC Healy:
  - 2020 cruises: maintaining good relations & excellence
  - Upcoming mid-life refit
  - 2020: Antarctica support US treaty obligations - cancelled
  - Diminishing NSF-driven interest in Healy-based projects

- Operations on R/V Sikuliaq: continued excellence
  - Continued use of CECSOP; good stakeholder relationships

- Maintaining momentum with new mechanisms for proactive solutions to longstanding issues (cruise feedback, logistics)

- Substantial committee overturn in 2020-2021: recruitment