

AICC, Sept. 4 Teleconf.

Dr. Phil McGillivary, PACAREA & Icebreaker Science Liaison

Outreach Activities

- Continued work with Heirs to Our Oceans (<https://www.heirstoouroceans.com/>), Jr. High and High School ocean conservation outreach program, with focus on Arctic. Accompanied two Junior High School students (one from California, one from Palau) to Dec. 2018 AGU meeting for presentation of a poster on their work. Worked with Team Malizia of Boris Hermann Racing (c.f.: <http://www.borishhermannracing.com>) to coordinate carbon-free sailboat travel for Greta Thunberg, Swedish high school student climate activist, to NYC for UN Climate Summit and meeting with Heirs students who will also be attending.
- Continued work with NATO CMRE in La Spezia, Italy re their Arctic u/w acoustic research with icebreaker RV ALLIANCE beginning in 2018 off Svalbard and Iceland. Participated as invited SME in May 2019 review of 2019 & 2020 research, which will also include French Navy RV PORQUOI PAS, and in 2020 also a Norwegian Naval vessel, with work off central East Greenland. Saildrone has two ASVs operating off Norway in 2019 for fisheries research that will remain to participate in some of the NATO East Iceland research. Request for joint HEALY participation with RV ALLIANCE in E. Arctic still stands.
- Continued work with NATO & ONR on USN request for HEALY participation in multi-lateral East Arctic research, including potential for fulfilling Arctic Council agreements signed by USCG years ago to participate in joint oil spill response & Search and Rescue exercises which could also provide a possible E. Arctic science research opportunity. No timeline for this has yet been established for this; may need to wait for new US icebreaker.

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- Continued to monitor progress on Norwegian REV light icebreaker being built for Kjell Inge Rokke, Norway's richest citizen (see: <http://www.rev.ocean.org>), for Arctic & Antarctic research, focused on: 1) fisheries; 2) ocean acidification, and, 3) plastic in the ocean. The REV planning team visited SF area 2X in 2017 and 2018 for meetings with McGillivary and Schmidt Ocean Institute (SOI, RV FALKOR) personnel re ship equipment and research plans. McGillivary visited Norway and met with them twice in 2018. The ship was launched Aug. 24, 2019.
- Per advisement to focus more on personnel than buying equipment, in Dec. 2018 REV hired Science Director Alex Rogers (<https://www.revocean.org/meet-our-new-science-director-professor-alex-david-rogers/>). It was then, also per advisement, decided that instead of beginning research in 2020, REV will instead conduct a shakedown cruise in summer 2020, and begin Arctic research off Eastern Greenland in 2021, and Antarctic research in 2022.
- The REV Board met with Danish government officials at the Norwegian embassy in Copenhagen on Oct. 3,4, 2018 to coordinate the first cruise off East Greenland, which will deploy additional tidal gauges and other sensors for the Danish government, along with other research.