

NSF Arctic Research Support & Logistics Program Update

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Arctic Sciences Section

Division of Polar Programs, Geosciences Directorate



NSF Arctic Sciences Section

- a) **Staff Changes**
- b) **Budget Status**
- c) **Plans for Polar Star, Healy, Sikuliaq**
- d) **Other ships in use by NSF/Arctic**
- e) **Update on Swedish interest in ODEN
in the Arctic**

<http://www.nsf.gov>



NSF Arctic Research Support & Logistics (RSL)

Dr. Jennifer Mercer is a new Program Manager for Arctic Research Support and Logistics with a focus on Greenland projects. Dr. Mercer comes to this position from her role as a contracted project manager with the RSL program over the past four years and prior to that as a polar engineering program manager at the U.S. Army Cold Regions Research and Engineering Lab (CRREL). She previously served on detail as RSL Program Manager in 2010 and 2012.

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Dr. Frank Rack is a new Program Manager for Arctic Research Support and Logistics (RSL) with a focus on marine operations and Alaska projects. Dr. Rack joins the section from the University of Nebraska-Lincoln (UNL) where he was the Executive Director of the Antarctic geological Drilling (ANDRILL) Science Management Office since 2006. He formerly worked for Joint Oceanographic Institutions, Inc. as a Program Director for the Ocean Drilling Program, U.S. Science Support Program, and Integrated Ocean Drilling Program from 1998 through 2006.

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Arctic Executive Steering Committee (AESC)

About

Arctic Executive Steering Committee (AESC)

President Obama established the AESC with his January 2015 Executive Order, "**Enhancing Coordination of National Efforts in the Arctic.**" The group is charged with providing guidance and coordinating priorities and activities across Executive Branch agencies under the National Strategy for the Arctic Region. These responsibilities include improving the coherence of engagement with the State of Alaska and Alaska Native communities and supporting the U.S. Chairmanship of the eight-nation Arctic Council for 2015–2017.

Leadership



Chair

Dr. John Holdren

Assistant to the President for Science and Technology, and Director, Office of Science and Technology Policy



Vice Chair

Amy Pope

Deputy Assistant to the President and Deputy Homeland Security Advisor, National Security Council



Executive Director

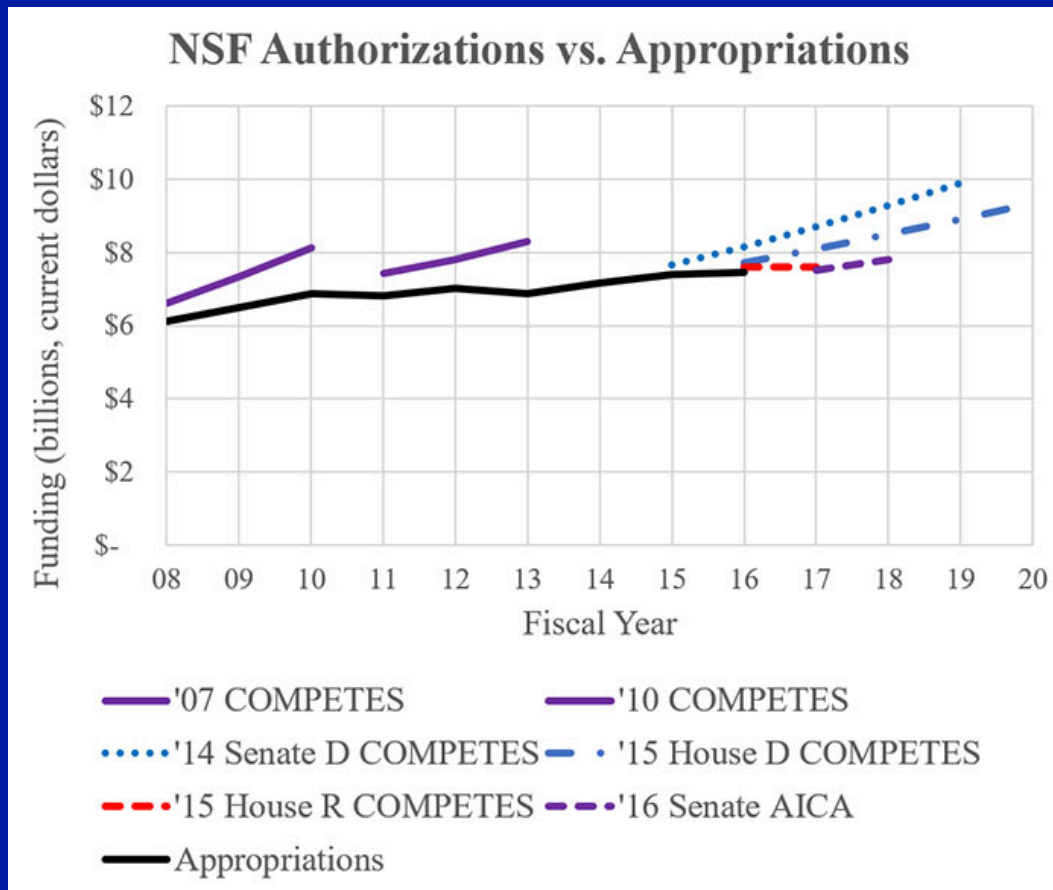
Ambassador Mark Brzezinski



Executive Secretary

Renee Crain Wagner

NSF Budget Status: Operating under a Continuing Resolution through December 9, 2016



Comparison of authorized versus appropriated funds for NSF. Funds from the American Recovery and Reinvestment Act of 2009 are excluded. (6/29/16)
<https://www.aip.org/fyi/2016/senate-committee-advances-bill-authorizing-f...>
 “American Innovation and Competitiveness Act” (AICA) amendments authorized \$7.51 billion in fiscal year 2017 and \$7.81 billion in fiscal year 2018 for NSF.

NSF Arctic Research Support & Logistics (RSL) Planning for 2017 Field Season Projects



NSF Arctic RSL Vessel Activities

CGC Polar Star: No NSF-RSL funded projects scheduled in FY17

CGC Healy: No NSF-RSL funded projects scheduled on this vessel in FY17

R/V Sikuliaq: see following slide of NSF-RSL funded projects in FY17

R/V Oceanus:

Hongsheng Bi - (UMD-CES) – Bering Sea Jellyfish (1602488)

Dutch Harbor to Seward – 28/29 July to 4/5 Aug. 2017

Contract Vessels (TBD) organized through RSL's prime support contractor CH2M-Hill Polar Field Services (CPS/PFS):

Rachel Sipler (VIMS) – Arctic Nitrogen fixation (1504307)

Coastal vessels (TBD): potentially **R/V Annika Marie** or **R/V Ukpik**



NSF FY17 Arctic RSL Vessel Activities - R/V Sikuliaq:

NSF-funded R/V Sikuliaq scheduled science in FY17 includes:

- (1) Hongsheng Bi (UMD-CES) – Bering Sea Jellyfish (1602488)
Seattle to Dutch Harbor – 18 May to 25 May – Transit
Dutch Harbor to Dutch Harbor – 26/27 May to 02/03 June 2017
- (2) Jeffrey Krause (MESC-U of S. AL) – Bering Sea Diatoms (1603605)
Mike Lomas (Bigelow-ME) – **2 NSF days in collaboration with NPRB**
(Seth Danielson's ASGARD cruise)
Nome to Nome – 8/9 June to 28/29 June 2017
- (3) Laurie Juranek (Oregon State) – Arctic Productivity (1504394)
Rachel Sipler (VIMS) – Arctic Nitrogen (N) fixation (1504307)
Barrow to Nome – 8/9 Aug. to 22/23 Aug. 2017
- (4) Carin Ashjian (WHOI) – Shelf Break Ecology (1603941)
Nome to Nome – 24/25 Aug. to 18/19 Aug. 2017
- (5) Robert Pickart (WHOI) – Transit from Nome to Reykjavik (TBD*)

* Concern about R/V Sikuliaq EK60 availability for Ashjian cruise in FY18.

NSF-ARC - Other FY17 Vessel Activities – Not Confirmed

Rebecca Woodgate (U of Washington) 1304052 – Bering Strait Ocean Observing System (AON) – **R/V Norseman II** (?) – dates TBD

Mike DeGrandres (U of Montana) 1504410 – Beaufort Gyre Observing System (AON) – **CCGS Louis St. Laurent** – late Sept to mid-Oct. 2017

Andrey Proshutinsky (WHOI) 1302884 – Beaufort Gyre Observing System (AON) – **CCGS Louis St. Laurent** – late Sept to mid-Oct. 2017

Igor Polyakov (UAF) 1203473 – Eurasian & Makarov Basins (AON) – **I/B Kapitan Dranitsyn** (Russia) – dates TBD

Other Arctic Cruises (No details available):

Jackie Grebmeier (UMD-CES) - NOAA Project – Distributed Biological Observatories – **CCGS Sir Wilfrid Laurier** – dates TBD - Barrow

Craig Lee (U of Washington) - TBD Proj. ID – Davis Strait Mooring Recovery – Vessel TBD – dates TBD



NSF 16-130 - Dear Colleague Letter: Arctic Research Utilizing the Swedish Icebreaker ODEN (Issued on 31 August 2016)

The National Science Foundation (NSF) entered into an agreement with the Swedish Polar Research Secretariat (SPRS) to increase access to the Swedish Icebreaker ODEN for joint research cruises to include oceanography, marine geology and geophysics, atmospheric and sea ice studies and other research. NSF and SPRS co-sponsored a workshop hosted by SPRS to discuss near-term and long-term joint research interests. The workshop report is available on the SPRS website:

<https://www.nsf.gov/cgi-bin/goodbye?http://polar.se/dok/oden-arctic-report-final.pdf>

A pilot study was carried out in 2015 on a 34-day research cruise to understand paleoceanography of the Petermann Glacier in northern Greenland.

<https://www.arcus.org/witness-the-arctic/2015/3/article/24490>

<https://petermannsglacialhistory.wordpress.com/>



NSF 16-130 - Dear Colleague Letter: Arctic Research Utilizing the Swedish Icebreaker ODEN

Swedish research projects are likely to support efforts outlined in the **Swedish Road Map for Polar Research**:

<http://polar.se/wp-content/uploads/2014/06/svenska-nationella-polarforskningsprogram.pdf>

U.S. investigators should propose studies consistent with the **Arctic Research Opportunities solicitation (NSF16-595)** to be performed from the ODEN working in the eastern Arctic Ocean or other areas outside of the Bering, Chukchi and Beaufort seas that are typically serviced by the USCGC HEALY and R/V SIKULIAQ. Proposals that contribute to the **Year of Polar Prediction (YOPP)** are also appropriate.

Proposals should be consistent with research priorities of the Arctic Science Section: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13424&org=PLR .

For NSF's planning purposes, please contact **Dr. Neil Swanberg** (mail to: nswanber@nsf.gov) on or before **November 1, 2016** with a brief description of the research goals, work plan, and anticipated collaborative arrangements.

NSF Update: To date, there have been several U.S. inquiries about using the Oden in 2018, but no public information is available at this time. The names of successful Swedish applicants should be available soon.



● National Science Foundation
2015 Field Research Sites

QUESTIONS?

