

Icebreaker Communication & Visualization



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Office of Polar Programs
Arctic Sciences Section
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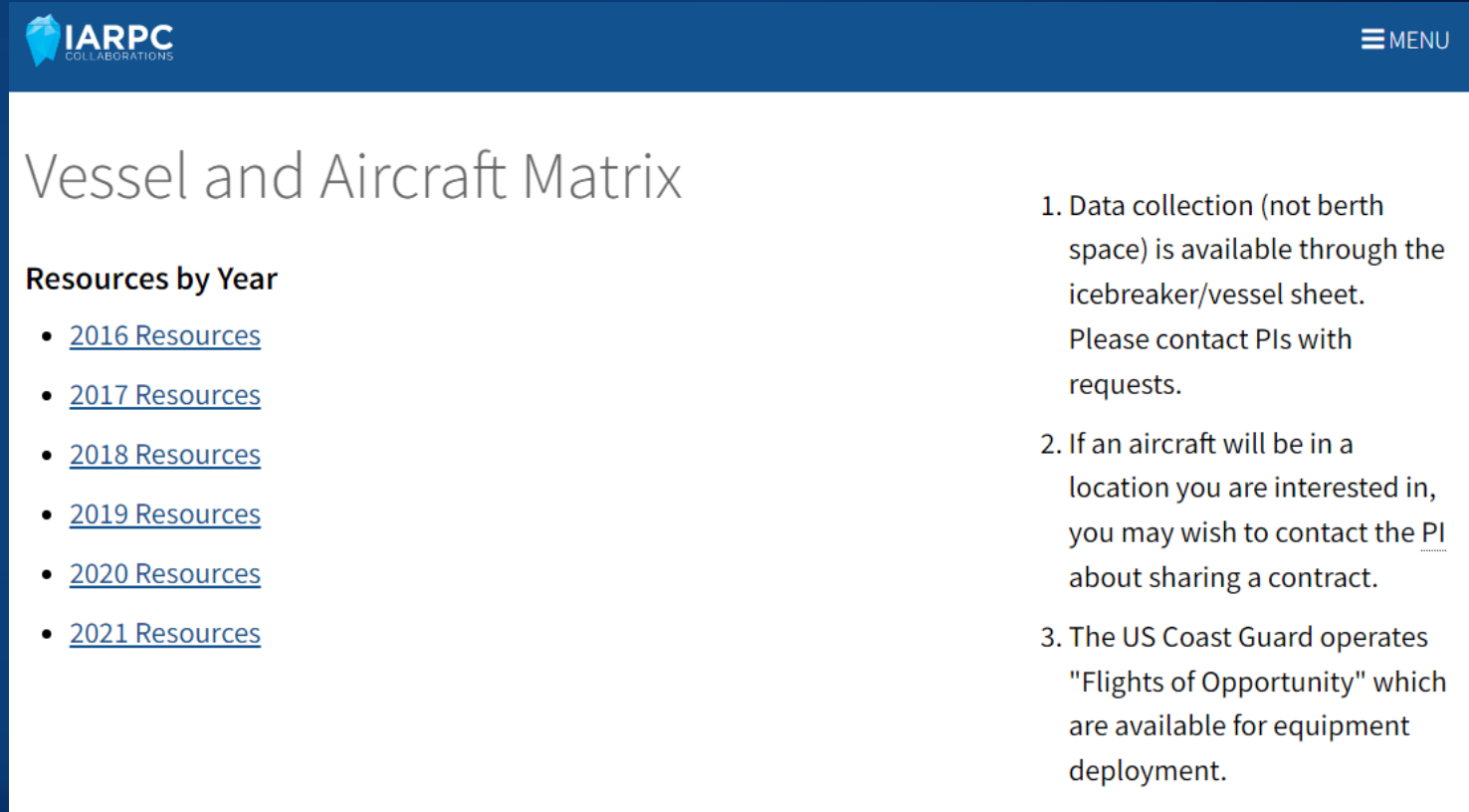


Icebreaker Communication & Visualization

Vessel Matrix

Discussed at 2015 AEWC meeting

- Communication with communities about vessel plans
- Coordination among researchers and agencies to leverage assets



The screenshot shows the IARPC Collaborations website. The header includes the IARPC logo and a menu icon. The main heading is "Vessel and Aircraft Matrix". Below this, there is a section titled "Resources by Year" with a list of links for each year from 2016 to 2021. To the right of the main heading, there are three numbered points providing information about data collection, contacting PIs, and US Coast Guard flights.

IARPC COLLABORATIONS MENU

Vessel and Aircraft Matrix

Resources by Year

- [2016 Resources](#)
- [2017 Resources](#)
- [2018 Resources](#)
- [2019 Resources](#)
- [2020 Resources](#)
- [2021 Resources](#)

1. Data collection (not berth space) is available through the icebreaker/vessel sheet. Please contact PIs with requests.
2. If an aircraft will be in a location you are interested in, you may wish to contact the PI about sharing a contract.
3. The US Coast Guard operates "Flights of Opportunity" which are available for equipment deployment.



Vessel Name	Research Vessel Status	Depart Date	Depart Location	Arrive Date	Arrive Location	Approximate Location for Research	Funding Agencies	Research Contact Name	Research Contact Email	Vessel Operator Email	Project Title
Sikuliaq	Underway	10/16/2020	Seward	11/19/2020	Seward	Beaufort Sea	NSF	Robert Pickart	rpickart@whoi.edu	ddbaird@alaska.edu	Monitoring the Western Arctic Boundary Current in a Warming Climate: Atmospheric Forcing and Oceanographic Response, Beaufort Moorings and Hydrography
Polarstar	Scheduled	12/1/2020	-	2/1/2021	-	-	-	-	-	-	-
CCGS Sir Wilfrid Laurier	Completed	07/01/2020	Victoria, BC	10/06/2020	Victoria, BC	Northern Bering Sea, Chukchi Sea	NSF	John Nelson	John.Nelson@dfo-mpo.gc.ca	Alain Barbier, Montréal (Québec) H2Y 2E7, Alain.barbier@dfo-mpo.gc.ca, 514283-0527	Canada's Three Oceans (C3O) and buoy recovery, Vessel will be operated by crew only, no science staff will be on board
Oscar Dyson	Completed	8/24/2020	Seattle	9/27/2020	Kodiak	Bering and Chukchi Sea	NOAA	Phyllis Stabeno, Jackie Grebmeier	phyllis.stabeno@noaa.gov, jgrebmei@umces.edu	chiefops.mop@noaa.gov	Distributed Biological Observatory (DBO)/Ecosystems & Fisheries Oceanography Coordinated Investigations (EcoFOCI) Joint Cruise; short name: DBO/EcoFOCI
Araon	Completed	September	Dutch Harbor	September	Utqiaġvik, Alaska	Berint Strait, Chukchi Sea, East Siberian Sea	KOPRI	Eun Jin Yang	eilyang@kopri.re.kr	Irdium- 8816 5146 5162 http://www.kopri.re.kr	PAG: 2020 Korea Arctic Ocean Expedition
Norseman II	Completed	9/1/2020	Homer	9/18/2020	Homer	Bering Strait, Chukchi Sea	NSF	Rebecca Woodgate	woodgate@uw.edu	scott@svaboats.com	Vessel will be operated by crew only, no science staff will be on board. Work will be mooring deployments (no recoveries) and running of underway survey lines
Louis St. Laurent	Completed	9/12/2020	Kugluktuk, CA	10/4/2020	Kugluktuk, CA	Beaufort Sea	NSF	Andrey Proshutinsky	aproshutinsky@whoi.edu	TBD	Beaufort Gyre Observing System
Sikuliaq	Completed	9/14/2020	Seward	10/13/2020	Seward	Chukchi Sea, Beaufort Sea	NSF	Jim Thomson	jthomson@apl.washington.edu	ddbaird@alaska.edu	Coastal Ocean Dynamics in the Arctic (CODA)
Mirai	Completed	09/19/2020	Shimizu, Japan	11/02/2020	Shimizu, Japan	Bering Sea, Chukchi, Canada Basin	JAMSTEC	Shigetō NISHINO	nishinos@jamstec.go.jp	mail@mirai.jamstec.go.jp +010 870 7731 58875	PAG: R/V Mirai Arctic Ocean cruise; will be in contact with AEWC during the cruise
Norseman II	Completed	10/2/2020	Nome	10/22/2020	Nome	Bering Sea, Chukchi Sea	NOAA, NPRB, NOPP	Jackie Grebmeier	jgrebmei@umces.edu	scott@svaboats.com	DBO AMBON CEO Cruise
Oscar Dyson	Postponed 2021	3/28/2020	-	4/24/2020	-	Bering Sea ice edge	NOAA	Peter Boveng	peter.boveng@noaa.gov	chiefops.mop@noaa.gov	Ribbon, Spotted, Bearded and Ringed seals Vessel Survey
-	Cancelled	4/8/2020	-	6/5/2020	-	Deadhorse, Utqiaġvik, and (possibly) Tuktoyaktuk	NOAA	Peter Boveng	peter.boveng@noaa.gov	TBD	Aerial Survey for Bearded Seals, Ringed Seals, and Polar Bears in Beaufort Sea
Oscar Dyson	Cancelled	4/29/2020	Dutch Harbor	5/11/2020	Dutch Harbor	Bering Sea	NOAA	Phyllis Stabeno, Catherine Berchok	phyllis.stabeno@noaa.gov, catherine.berchok@noaa.gov	chiefops.mop@noaa.gov	Oceanographic and Zooplankton Moorings Survey, Mooring Survey for Whale Acoustic Monitoring, EcoFOCI Spring Mooring Cruise
Oscar Dyson	Cancelled	5/14/2020	-	5/29/2020	-	Bering Sea	NOAA	Janet Duffy-Anderson, Alex Andrews, Elizabeth Siddon	janet.duffy-anderson@noaa.gov, alex.andrews@noaa.gov, elizabeth.siddon@noaa.gov	chiefops.mop@noaa.gov	Larval Fish Survey in Southeastern Bering Sea (EcoFOCI), Southeastern Bering Sea Integrated Ecosystem Survey
Alaska Knight, Vesterdaalen	Cancelled	5/27/2020	Dutch Harbor	8/2/2020	Dutch Harbor	Bering Sea	NOAA	Lyle Britt	lyle.britt@noaa.gov	TBD	Southeastern Bering Sea Survey for Bottom-Dwelling Fish
Oscar Dyson	Cancelled	6/2/2020	Unalaska	8/11/2020	Unalaska	Eastern Bering Sea	NOAA	Robert Foy	bob.foy@noaa.gov	chiefops.mop@noaa.gov	Walleye Pollock Eastern Bering Sea Summer Survey
CCGS Sir Wilfrid Laurier	Cancelled	6/4/2020	Victoria, BC	6/24/2020	Utqiaġvik, Alaska	Northern Bering Sea, Chukchi Sea	NSF	John Nelson, Jackie Grebmeier	John.Nelson@dfo-mpo.gc.ca, jgrebmei@umces.edu	Alain Barbier, Montréal (Québec) H2Y 2E7, Alain.barbier@dfo-mpo.gc.ca, 514283-0527	Canada's Three Oceans (C3O) and the DBO
Oscar Dyson	Combined with 8/24/20 Dyson cruise	August	-	August	-	-	-	-	-	-	Long Term Ecological Research, 5-6 for critical sampling and replacement of moorings
Alaska Knight, Vesterdaalen	Cancelled	8/2/2020	Nome	8/25/2020	Dutch Harbor	Northern Bering Sea	NOAA	Lyle Britt, Duane Stevenson	lyle.britt@noaa.gov, duane.stevenson@noaa.gov	TBD	Northern Bering Sea Survey of Bottom Fish and Crab
Oscar Dyson	Cancelled	8/16/2020	-	9/13/2020	-	Bering Sea	NOAA	Alex Andrews, Elizabeth Siddon	alex.andrews@noaa.gov, elizabeth.siddon@noaa.gov	chiefops.mop@noaa.gov	Southeastern Bering Sea Integrated Ecosystem Survey
Northwest Explorer	Cancelled	8/27/2020	Dutch Harbor	9/20/2020	Dutch Harbor	Northern Bering Sea	NOAA	Jim Murphy, Kristin Cieciel	jim.murphy@noaa.gov, kristin.cieciel@noaa.gov	TBD (possibly Chiefops.mop@noaa.gov, 541 867 8703)	Northern Bering Sea Survey of Surface and Mid-water Community (food fishes)
Oscar Dyson	Combined with 8/24/20 Dyson cruise	9/18/2020	Dutch Harbor	9/30/2020	Dutch Harbor	Bering Sea	NOAA	Phyllis Stabeno, Janet Duffy-Anderson	phyllis.stabeno@noaa.gov, janet.duffy-anderson@noaa.gov	chiefops.mop@noaa.gov	Oceanographic and Zooplankton Moorings Survey, Mooring Survey for Whale Acoustic Monitoring, EcoFOCI Fall Mooring Cruise
USCG Healy	Postponed 2021	-	-	-	-	Bering Sea, Chukchi, Beaufort	NSF	Robert Pickart, Libby Logerwell, Donald Anderson	rpickart@whoi.edu, libby.logerwell@noaa.gov, danderson@whoi.edu	david.forcucci@uscg.mil	Harmful Algal Blooms (HAB), NCIS-Distributed Biol. Observation
Nansen legacy	Postponed 2021	-	Atlantic sector	-	Atlantic sector	Barents Sea, Fram Strait, Arctic Ocean	Norway	Marit Reigstad	marit.reigstad@uit.no	-	-
USCG Healy	Cancelled	-	-	-	-	-	-	-	-	-	All Healy cruises were cancelled due to maintenance issues.

Legend											
Red	Cancelled or postponed	Yellow	Updated information								
Blue	Scheduled	Green	Underway								

November update: This spreadsheet was developed by IARPC and AOOS with input from NSF and NOAA. For further information contact Ann-Christine Zinkann (ann-christine.zinkann@noaa.gov) or Jill Prewitt (prewitt@aoos.org).



Projects & Ship Tracks:

2020 - 2021

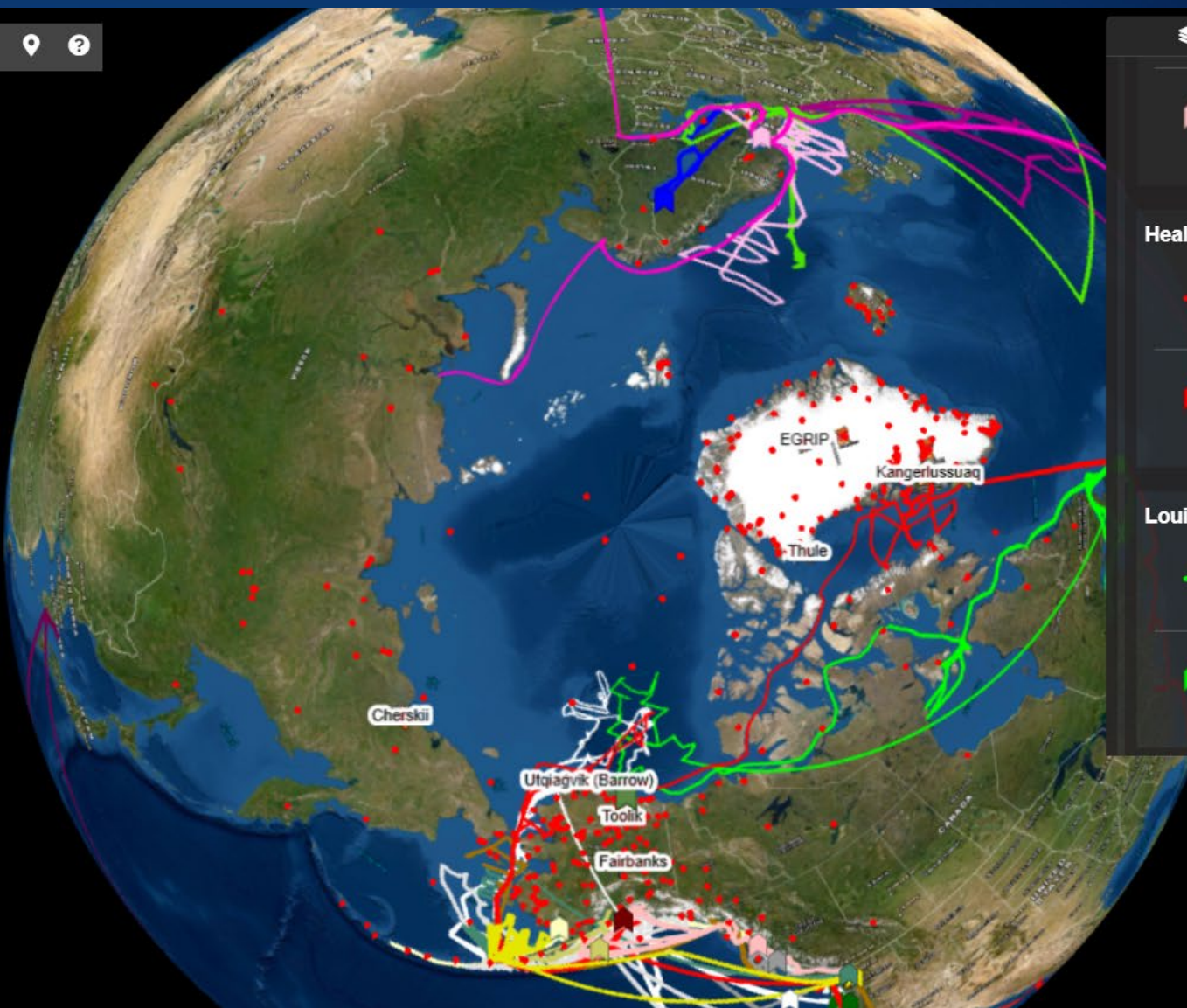
Search Projects:

Filter Projects:

- > Funding Agency
- > Funding Program
- > Award Number
- > PI Name
- > Logistics Support
- > Discipline
- > Region
- > Subregion
- > Location

Feedback

Map navigation controls including zoom in (+), zoom out (-), pan, rotate, and other map tools.



Layers and Legend panel. It includes a 'Layers' tab, a 'Legend' tab, and entries for 'Healy' (red line) and 'Louis S. St. Laurent' (green line).



Agency Coordination on Engagement

IARPC hired an Indigenous Engagement and Coordination Specialist

- Interagency working group – NOAA, NSF, BOEM, DoD, MMC, EPA, USDA, DOT– defined the role and recruitment process
- Mellisa Johnson is the IECS – formerly Executive Director of the Bering Sea Elders Group

NSF is recruiting a program officer with expertise in building collaborations between researchers and communities

https://www.nsf.gov/news/news_summ.jsp?cntn_id=304094&org=OPP

NSF Arctic Community Engagement page

<https://www.nsf.gov/geo/opp/arctic/ace/>



Local and Indigenous Community Engagement and the Co-Production of Knowledge in NSF-Funded Arctic Science and Research

Arctic Community Engagement (ACE)

NSF recognizes the importance of including Indigenous peoples in Arctic science and research efforts. This website contains information on a range of NSF programs, initiatives, external collaborations, and other resources that aim to facilitate effective and respectful engagement with local and Indigenous peoples in Arctic research, education, and outreach activities. This list is not exhaustive of all scholarship and resources made by other organizations on this topic but provides a starting place for NSF-funded researchers, Arctic residents, Indigenous communities, and collaborators to better understand how the Foundation is supporting work and expanding collaborations in this space.

For questions or additional information, email ACE@nsf.gov.

- [Examples of Community Engagement in NSF-funded Research](#)
- [Relevant Funding Opportunities](#)
- [Resources for NSF-funded Researchers and Arctic Communities](#)
- [NSF External Collaborations](#)
- [NSF Response to the Presidential Memorandum on Tribal Consultation and Strengthening Nation-to-Nation Relationships](#)



David Harrison works with others to teach salmon processing during the 2019 annual culture and fish camp, Nay'dini'aa Na'kayax, hosted by the Chickaloon Village Traditional Council. Image: Colleen Strawhacker