

University of Alaska Fairbanks

***College of Fisheries and  
Ocean Sciences***

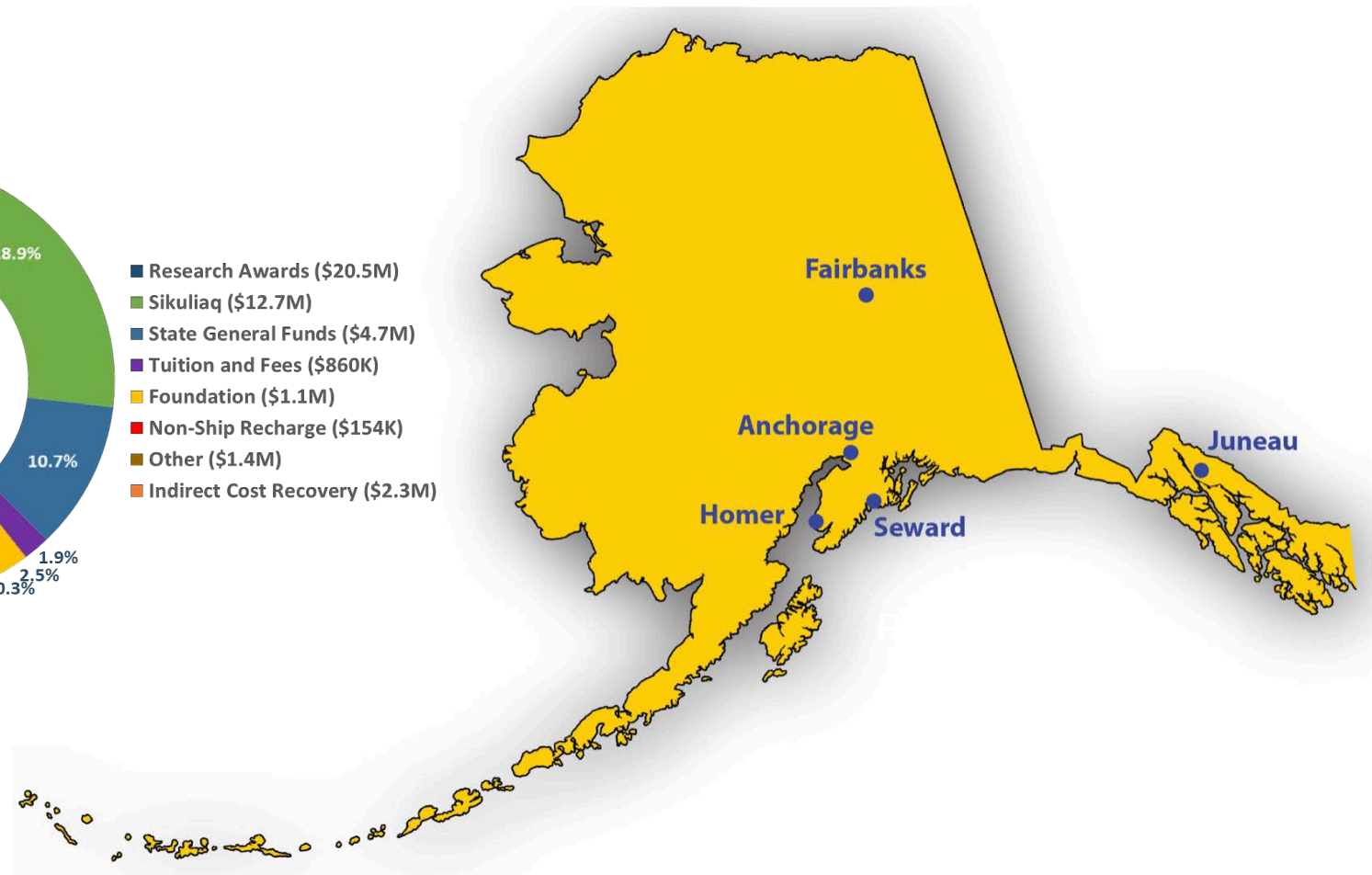
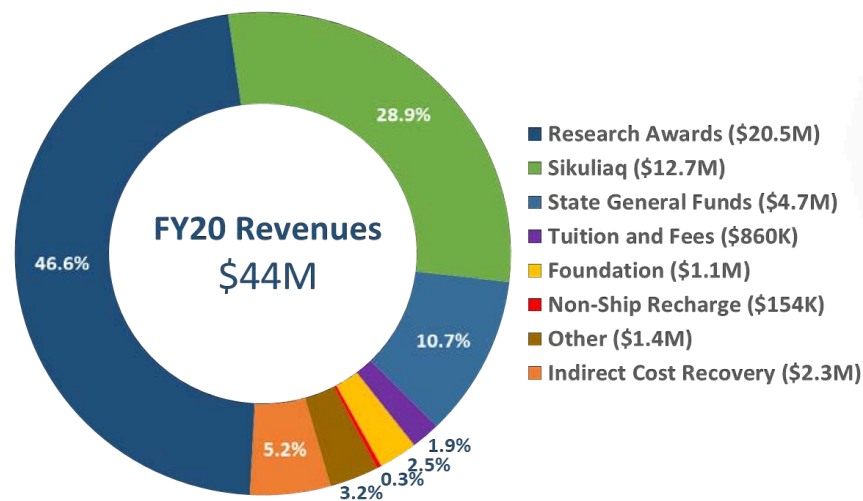
*S. Bradley Moran, Dean*

House Finance Subcommittee  
University of Alaska

March 12, 2021

# Statewide Impact

CFOS is the largest combined research and academic unit in Alaska with over 300 faculty, staff and students working at 5 locations across Alaska



# Research & Economic Drivers

## Research Centers, Institute and Facilities

- Alaska Blue Economy Center
- Coastal Marine Institute
- Institute of Marine Science
- Kasitsna Bay Laboratory
- Lena Point Fisheries Facility
- Ocean Acidification Research Center
- Pollock Conservation Cooperative Research Center
- Rasmuson Fisheries Research Center
- R/V *Sikuliaq*, R/V *Nanuq*, & Seward Marine Center

## Major Programs

- NSF EPSCoR Fire and Ice Project
- NSF Long-term Ecological Research programs
- Arctic Shelf Growth, Advection, Respiration and Deposition Program
- Arctic Integrated Ecosystem Survey
- Gulf Watch Alaska

## CFOS Active Grants as of June 30, 2020

- Total active grants: 189
- Total awarded research funding: \$182 million



# Industry Partnerships

Largest contributor to marine research at UA  
~\$17 million since 2000





# Industry Partnerships



- \$1.2 million Economic Development Administration award
- Promotes and grows Alaska's ocean economy by leveraging existing strengths
- Supports innovation and emerging opportunities to diversify Alaska's economy
- Identify industry challenges for startups and researchers to address
- \$1.6M in venture funding raised in 2019 for the Blue Pipeline Incubator in Seward

## Innovation in Ocean Industries



# Alaska's Future Fisheries Leaders

6

## **Tamamta Program**

- \$3 million National Science Foundation award - through the *National Research Traineeship* and *Navigating the New Arctic* programs
- Focus on Indigenous knowledge in fisheries and ocean sciences
- Partner Organizations
  - First Alaskans Institute
  - Yukon River Inter-Tribal Fish Commission
  - Alaska Department of Fish & Game
  - NOAA

## **Blue MBA**

- Professional STEM MBA in fisheries & ocean sciences
- Available entirely by asynchronous delivery

Nearly 80% of CFOS fisheries graduates work in state, federal and tribal resource management



# Seward Marine Center

- R/V *Sikuliaq* and R/V *Nanuq* homeport
- Primary docking facility for academic research vessels working in Alaska
- Supports a growing network of ocean observatories in California, Oregon, the Gulf of Alaska, the Bering Sea, Alaska's Arctic and Antarctica
- Since 1998, host to regional high school "Tsunami Bowl" science competition, part of the National Ocean Sciences Bowl.
- Planning and design underway for pier and warehouse replacement (NSF)

## FY20 *Sikuliaq* Statistics

- NM traveled: 20,900
- Paid ship days: 192
- Science days: 153
- UAF/CFOS PI days: 72
- Revenue: \$12.7 million





# Science at Sea During Pandemic

8

- In spite of the COVID-19 pandemic, CFOS faculty and students were able to conduct essential research by following stringent preparation and safety plans
- *Sikuliaq* was the first vessel in the US Academic Research Fleet permitted to engage in research amidst COVID-19 pandemic

