



# ALASKA OCEAN CLUSTER

**Alaska Bycatch Review Task Force (ABRTF)**  
**Science, Technology, and Innovation Committee**

**August 2022**

# About

The Alaska Ocean Cluster is a startup accelerator focused on technological innovations that benefit Alaska's maritime industries, coastal communities, and ocean ecosystems.

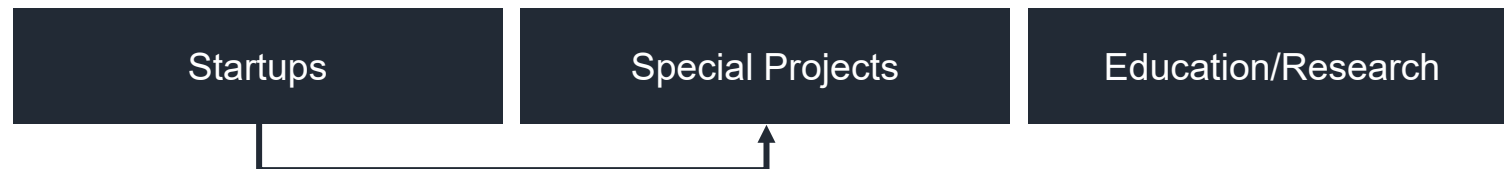
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## Our Partners & Sponsors



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## Verticals



Blue Dot Kitchen



## Special Project

### SafetyNet Technologies Bycatch Light Deployment *(In Progress)*

**Partners:** SafetyNet Technologies, Coastal Villages Region Fund, Denali Commission

**Goal:** Test bycatch reduction efficacy of lights illuminating excluders on three pollock CVs in 2022 B season

**Outcome:** Pilot underway; results expected in late-2022

SafetyNet  
TECHNOLOGIES





# Special Project

## **Bering Sea Ice Forecasting** (In Progress)

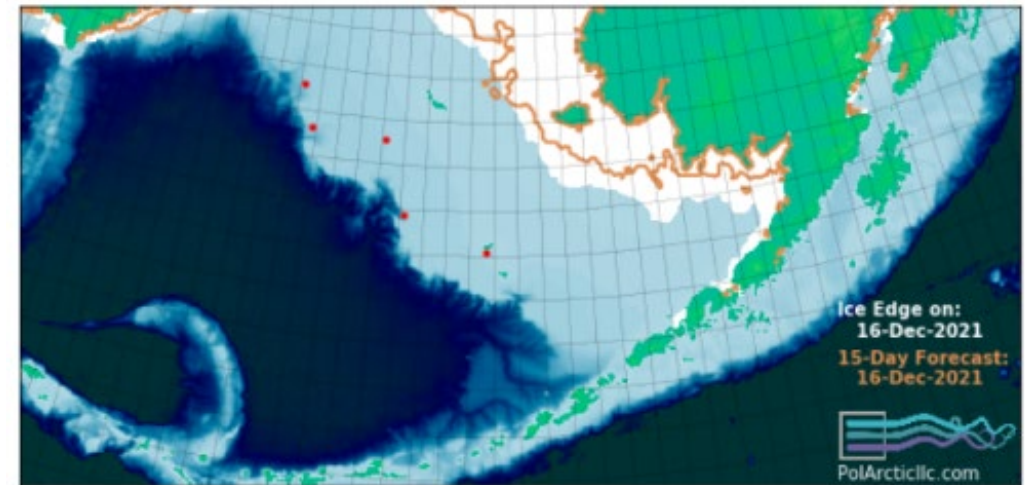
**Partners:** PolArctic, Alaska fishing vessels  
(anonymous)

**Goal:** Improve five-, ten-, and fifteen-day  
forecast of the Bering Sea ice edge for  
fishermen

**Outcome:** Development of user  
dashboard, improved five-, ten-, and  
fifteen-day sea ice forecasts



PolArctic LLC



## Special Project

### **Autonomous Scouting of Alaska Pollock (ASAP) Project** *(Developing)*

**Partners:** Saildrone, Alaska Fisheries Development Foundation, Phoenix Processor LP

**Goal:** Scout for Alaska pollock in the Bering Sea using unmanned surface drones

**Target Outcome:** Diesel fuel reduction of 30+ million gallons; 300,000+ metric tons CO<sub>2</sub>; 4,000 fewer sea-days



**SAILDRONE**

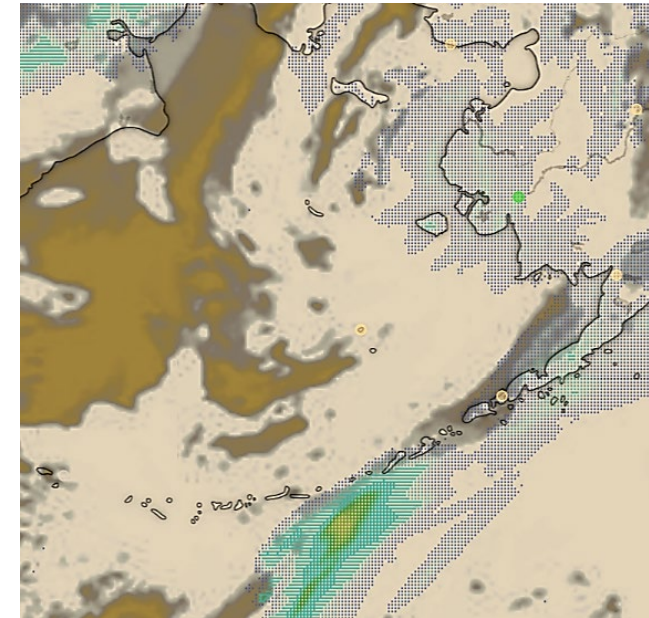


# Special Project

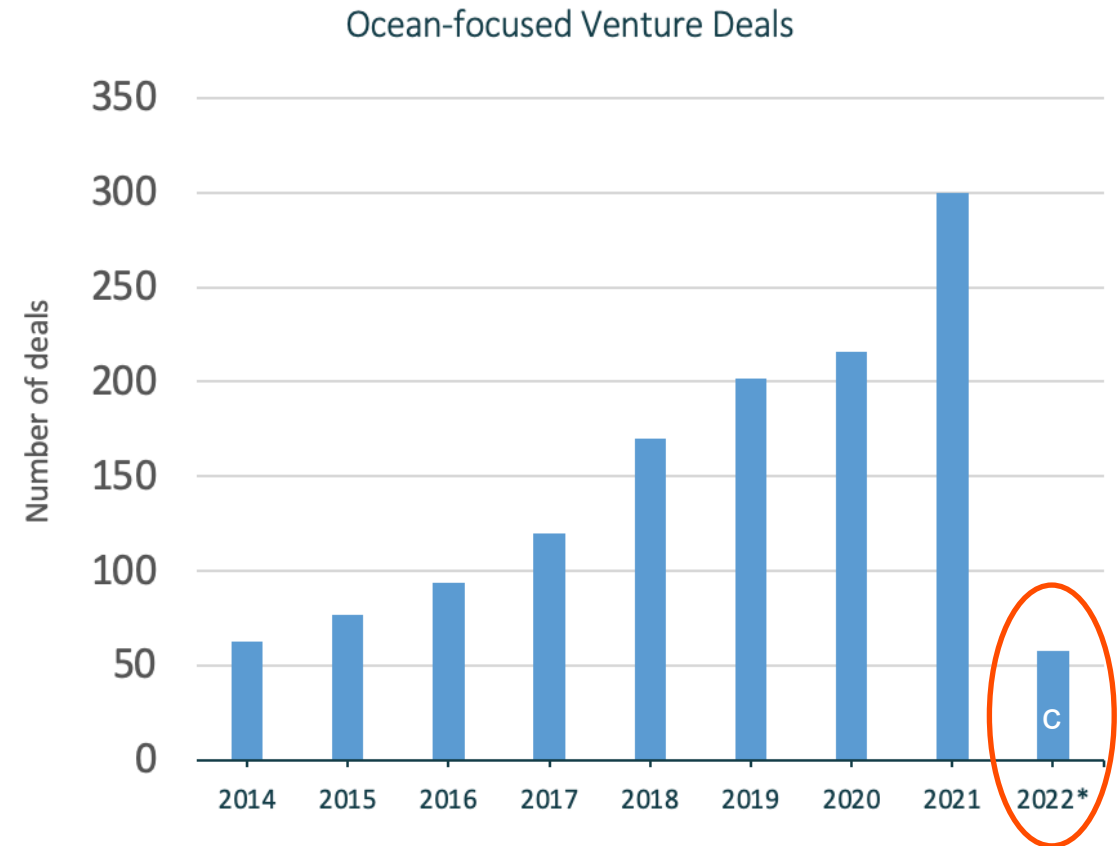
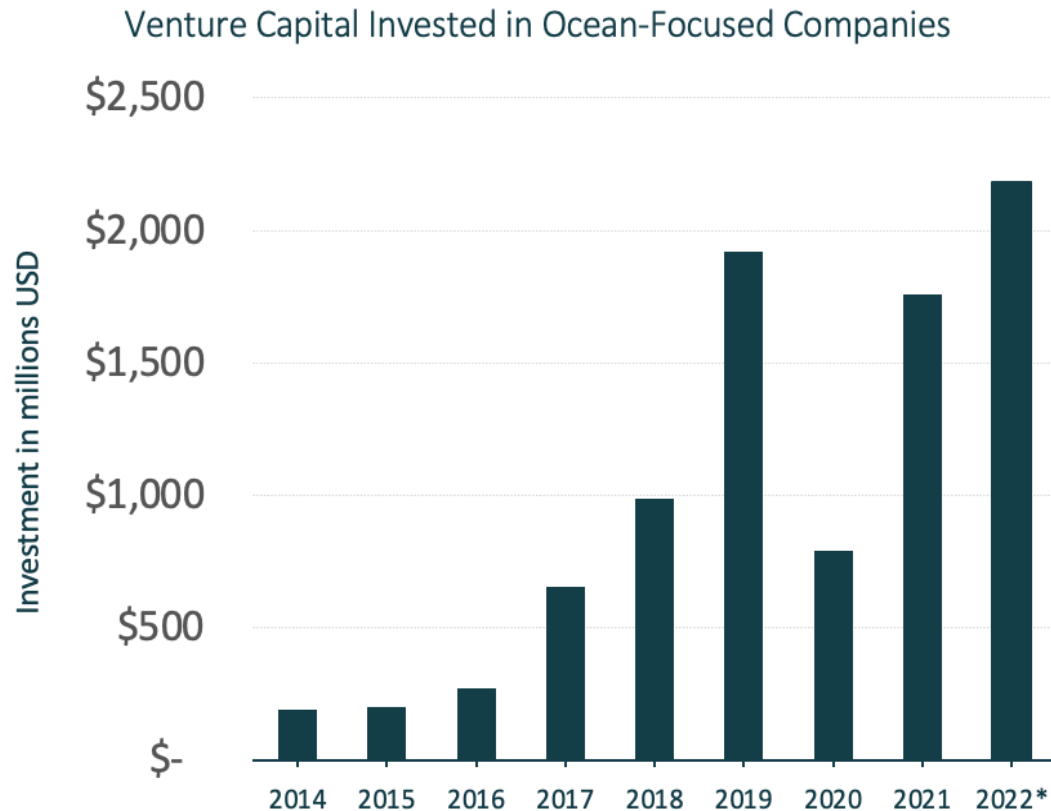
## Bering Sea Harvest Heatmap (Very Conceptual)

**Goal:** Develop a tool to that displays target and prohibited species on the bridge of fishing vessels.

1. Leverage historical and real-time data to build a “digital twin” of the Bering Sea
2. Develop optimized strategies to maximize target harvest and minimize bycatch
3. Fishermen use these strategies to decide where to fish



# Ocean-focused venture capital is setting records

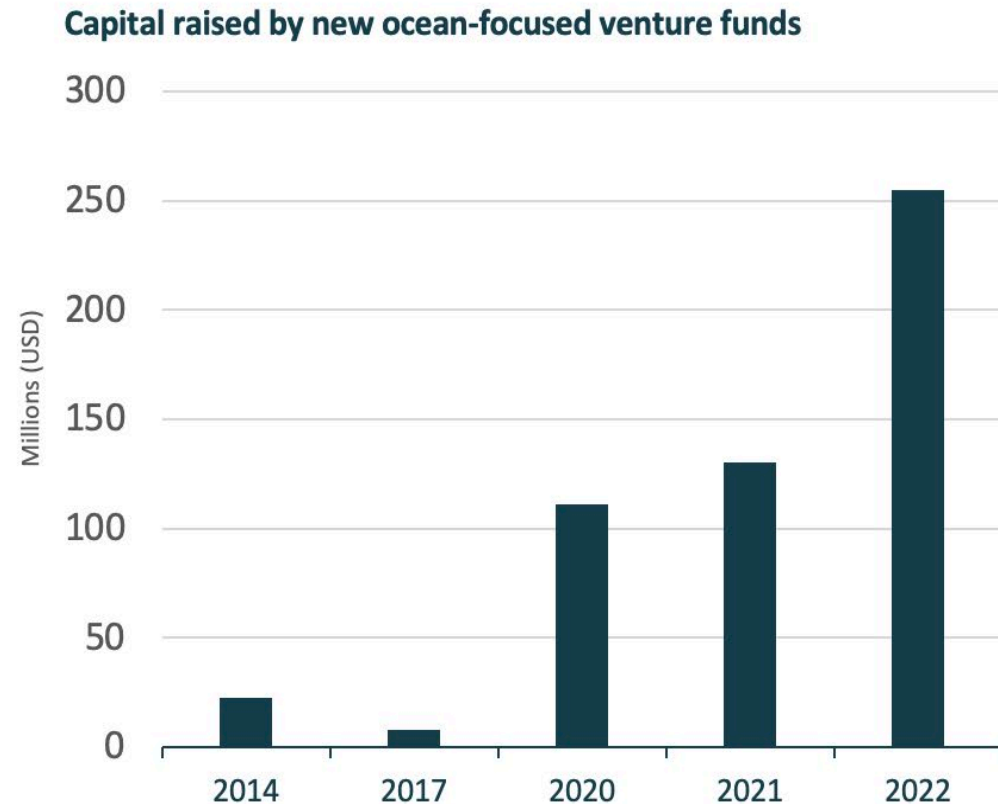


Source: Alaska Ocean Cluster, PitchBook  
Data current as of March 2022





# Investors continue to back new funds



## Active investors

s2g ventures



OCEAN 14  
CAPITAL

Hatch

AquaSpark  
Investing in the Future of Aquaculture

SOA  
SUSTAINABLE OCEAN ALLIANCE

BLUE OCEANS PARTNERS



Katapult  
Ocean

INDICO  
CAPITAL PARTNERS



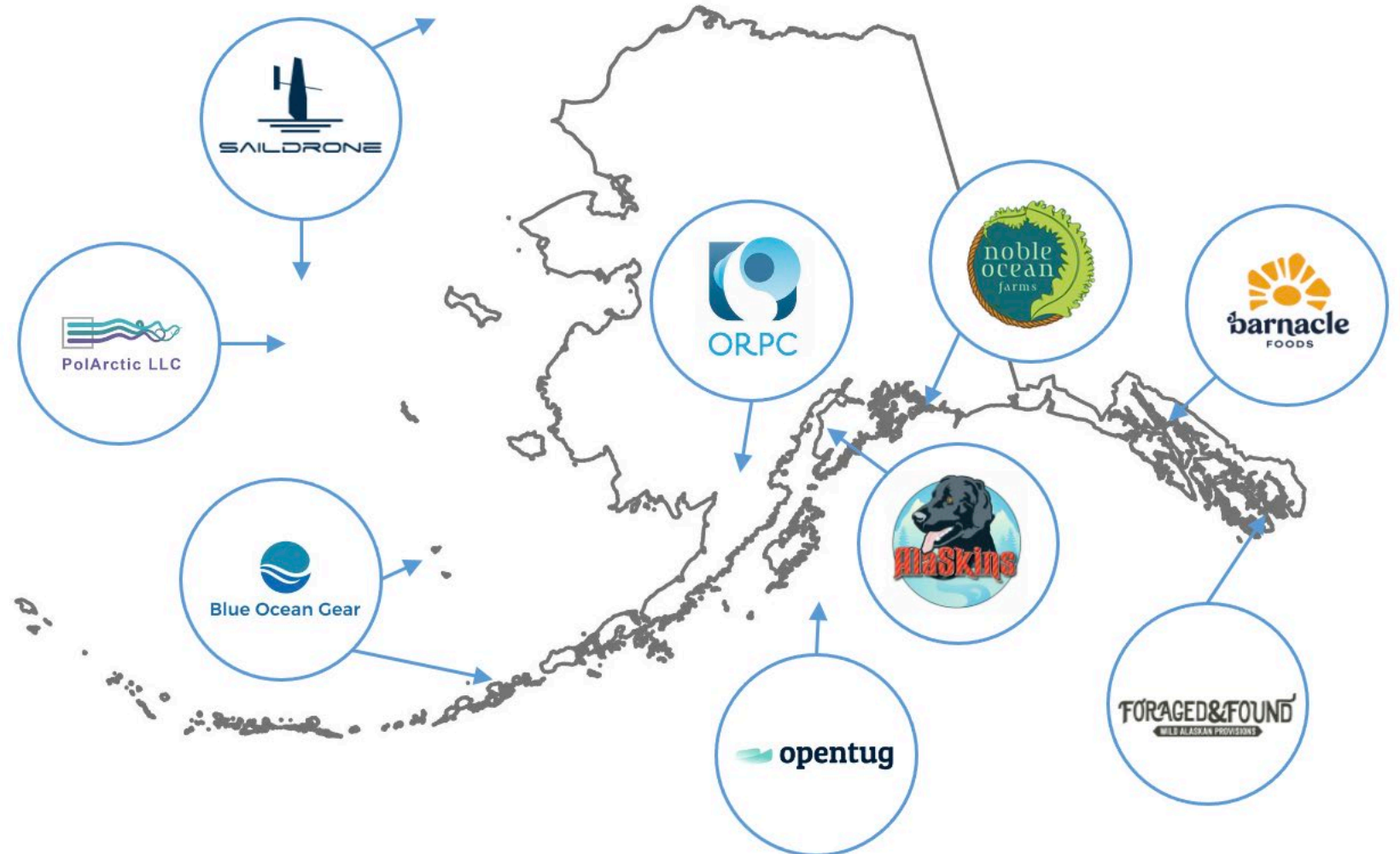
BUILDERS INITIATIVE

Source: Alaska Ocean Cluster, PitchBook  
Data current as of March 2022



# Alaska: A hub for ocean innovation

- Working waterfronts
- Largest seafood industry in US; long history of innovation
- Growing mariculture sector
- Longest coastline in US
- Pristine marine ecosystems
- Frontline of climate change



## Key Argument:

Marginal improvement to our fisheries is important, but we need transformational improvement

Startups will play a key role in modernizing our fisheries



## Contact US

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## About Alaska Ocean Cluster

The Alaska Ocean Cluster is a startup accelerator sponsored by the Bering Sea Fishermen’s Association, an Anchorage-based nonprofit organization. We work with early-stage companies to advance innovative technologies that benefit Alaska’s maritime industries, coastal communities, and ocean ecosystems.

## About Bering Sea Fishermen’s Association

The Bering Sea Fishermen’s Association is an Anchorage based nonprofit organization. Founded by Western Alaska commercial fishing leaders in 1979, its mission is to support healthy and vibrant fishing communities by fostering great social, financial, and political capacity to access, develop, and protect fisheries in the Arctic, Yukon, Kuskokwim, and Bristol Bay regions of Alaska.

