

# RACE Seminar Series

April 15, 2014, 10–11 a.m.

Traynor Seminar Room

Bldg 4, Rm 2076



**NOAA  
FISHERIES**

**Kirsten Simonsen**

## **Spatio-Temporal Distribution of Euphausiids in the Gulf of Alaska: A Key Component to Understanding Ecosystem Processes**

Euphausiids are an important part of the cold-water coastal and pelagic ecosystems of the Bering Sea and Gulf of Alaska (GOA) as prey for commercially important fishes and an ecological link between primary production and higher trophic levels. This study aims to create a time series of euphausiid distribution in the GOA based on summer acoustic-trawl surveys from 2003, 2005, 2011, and 2013 that can be used for predator-prey studies and monitoring of fish stocks. Relative abundance of euphausiids is shown in the following figure.

