



## STAMP: Spatial Tools for Arctic Mapping & Planning

AOOS and a team of partners have received funding from NOAA to develop data visualization tools for Alaska's Arctic. The collection and synthesis of spatial data into a suite of visualization tools is a critical step for long-term collaborative planning in Alaska for a wide range of coastal uses.

**Goal:** Develop data integration and visualization tools that could be used to for future decision-making relating to potential commercial fisheries in the Arctic.

**Focus Area:** Northern Bering and Chukchi Seas

**Timeline:** 1.5 years, starting Jan 2012

### Objectives

- **Scoping:** assess what data and information products people would like for planning related to future Arctic commercial fisheries, and identify data layers that currently do not exist in Alaska. Scoping will occur through key informant interviews, focus groups, and an online survey.
- **Documentation:** document existing data products and decision support tools used in Alaska, and review new products and tools and their potential applicability to Alaska.
- **Tool Development:** incorporate existing data layers into the AOOS Arctic Ocean Portal, and add new functional capabilities identified through the scoping efforts.
- **Assessment:** Review the AOOS Arctic Portal (enhanced with the new datasets and capabilities) for use in planning and decision-support for Arctic commercial fisheries, and determine whether it has successfully addressed user needs.

### Funded Partners

AOOS - *project manager*, contributing its extensive marine data resources and infrastructure

Axiom Consulting & Design - *technical lead*, managing the data and building the tools

ISER (UAA) – specializing in social and economic data

ACCAP (UAF) – providing downscaled climate model data

The Nature Conservancy of Alaska – sharing experience with decision support tools

### Collaborators

Serving in advisory capacities and as contributors of data and information:

Alaska Sea Grant Program, NOAA Regional Collaboration Team, North Pacific Fisheries Management Council, North Slope Borough, North Slope Science Initiative, Northwest Arctic Borough, State of Alaska Agency Representatives (ADF&G, ADNR, ADOT, and ADEC), University of Alaska representatives (Geospatial Information Network of Alaska, School of Fisheries & Ocean Sciences, Department of Political Science), US Arctic Research Consortium, US Coast Guard, US Fish & Wildlife Service, Western and Arctic Landscape Conservation Cooperatives, USGS Alaska Science Center and Regional Climate Science Center, CDQ groups, co-management organizations, and others.

For more information, visit <http://www.aos.org/stamp/>, or email Darcy at [dugan@aos.org](mailto:dugan@aos.org)