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Mariculture, North Pacific Fisheries, Arctic and Pacific North Ocean

The industry's emerging sea-based and shellfish farming called mariculture. UA is actively working on expanding opportunities in mariculture. Mariculture can become the economic driver for the state as the field is only in its infancy. There are applications for pharmaceuticals, food additives, and food stability. Mariculture workforce set a goal to reach \$100 million industry in 10 years, with university training and research and development is critical to reaching this goal. AF and AS coordinate with state and federal agencies in fisheries, mariculture, and ocean sciences making UA a leader in these arenas. Investment will increase Alaska's market share in a global economy.

Investment Priorities

- Funding (\$5.0M) would support efforts to build capacity in Decision Support for Production Scale Development (including graduate workforce research and partnerships) to:
 - build workforce capacity in Fisheries/Mariculture for reducing harmful algal blooms pervasive in Alaska;
 - develop a decision support tool for stakeholders to assess economic feasibility of production-scale hatchery supported mariculture in Alaska;