



NExUS Ongoing Projects and Activities Thu Feb 21 21:03:14 EST 2019

Name	Ocean Acidification and Sea Scallops: Predicting Impacts of Climate Change
Description	From the project description: "This project supports development of an integrated assessment model for sea scallops which incorporates ocean acidification trends and which will enable comparison of potential outcomes based on different choices. The model will connect biogeochemical, population, and economic information to create an integrated assessment model. The biogeochemical component will provide environmental data including ocean acidification trends that will feed into the population component in order to predict sea scallop harvest quantities. Sea scallop harvest quantities will drive the regional economic component in which scallop fishing and coastal zone policy decisions will affect the population and biogeochemical information. The integrated assessment model will be modular so that each component can be refined or replaced as new data and components become available. As a web-based interactive tool, the model will enhance decisions by providing managers with visual displays of outcomes based on different choices affecting scallop harvests, environmental conditions, and socioeconomic conditions."
Category	- Climate-change Specific Projects
Sector	- Managed Ecosystems
Focus Area	- Sustainability of Marine Ecosystems
Region	- Regional Or State -- New England -- Mid-Atlantic
Status	- Ongoing
Timelines	2012-2015
Lead Agencies	NOAA National Centers for Coastal Ocean Science (NCCOS) Regional Ecosystem Prediction Program (REPP), NOAA Ocean Acidification Program
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