



NExUS Ongoing Projects and Activities Fri Nov 16 02:29:25 EST 2018

| | |
|---------------|---|
| 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 |
| Contacts | Elizabeth Turner, NOAA, elizabeth.turner@noaa.gov; Sarah Cooley, Woods Hole Oceanographic Institute, scooley@whoi.edu |