

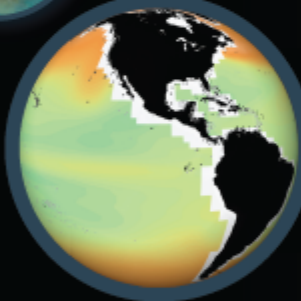
“ The *purpose* ... is to present a **consensus research strategy** for NOAA to advance the understanding of the **impacts** of ocean acidification and to address related challenges to **local and national ecosystems and communities**. ”

NOAA Ocean and Great Lakes Acidification Research Plan



Monitor trends

Ecosystem responses



Model changes & responses

Develop adaptation strategies



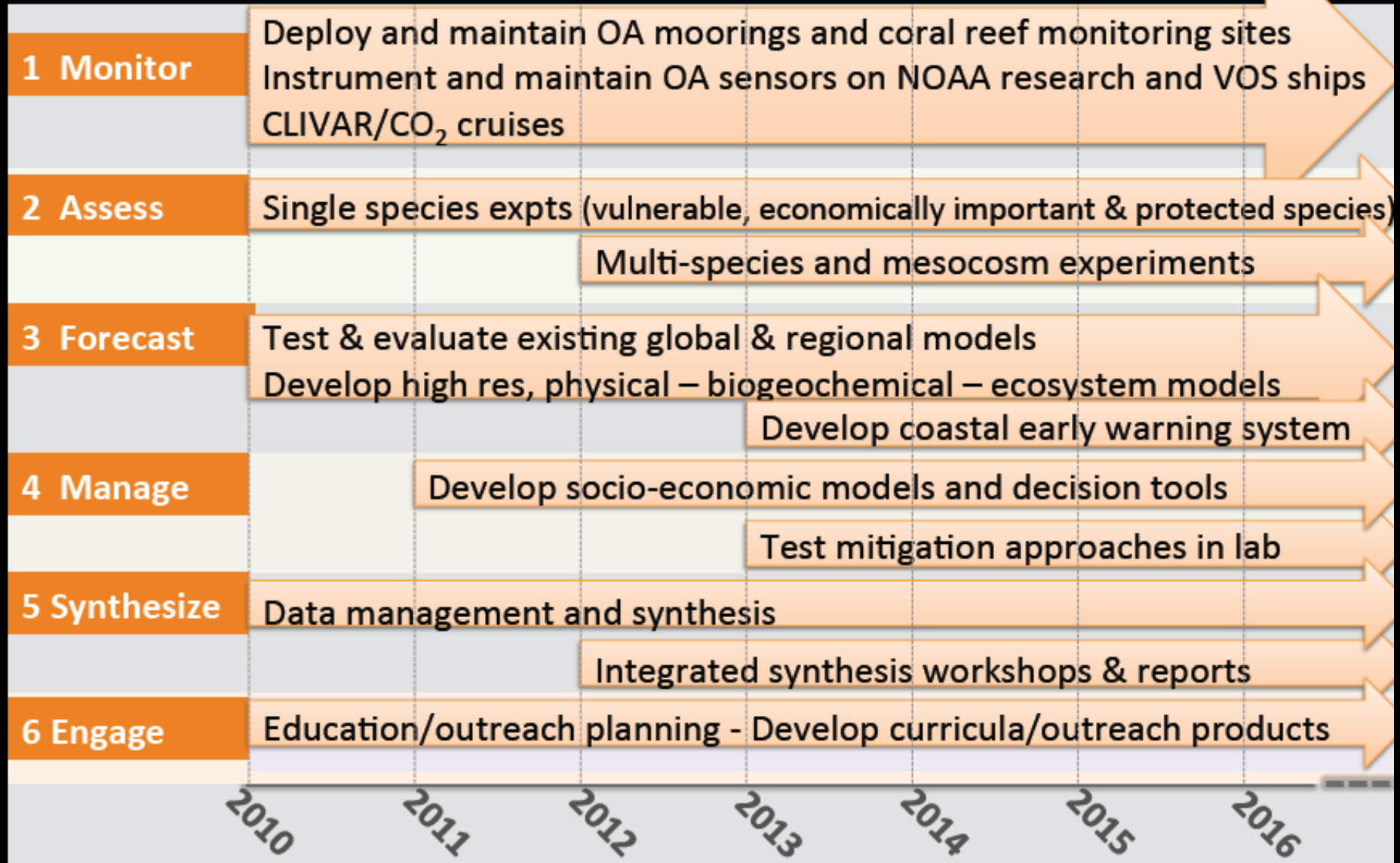
Conduct education & outreach



Regional Approach



IMPLEMENTATION TIMELINE



NOAA Resources and Research

- **Oceanic and Atmospheric Research**
 - Monitoring and modeling
 - Sample analysis (AOML, PMEL)
 - Sensor Technology development – extramural RFP - FY 12?
 - NOAA Program Office – FY 11....soon
- **NOAA's Fisheries Service (NMFS)**
 - Species specific experiments on commercial or recreational fishery species or their food/prey including primary producers (increase in FY 12?)
 - Modeling
 - Building mesocosms. NEFSC, NWFSC, AKFSC
- **National Ocean Service**
 - Coral Reef Conservation Program (Caribbean, Pacific Islands)
 - Marine Sanctuaries (especially West Coast)
 - National Estuarine Research Reserves
 - Ecosystem Impacts of OA – extramural program - FY 12?
 - Labs in Kasitsna Bay, AK, Southeast (NC/SC), Chesapeake Bay
- **National Environmental Satellite, Data, and Information Service**
 - Coral Reef Watch
 - Satellite sensing of phytoplankton blooms