2018 Coastal Zone Management
Projects of Special Merit

NOAA Office for Coastal Management
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Monitoring Coastline Change to Evaluate the Effectiveness of Current Policies to Improve Decision Making for Greater Coastal Resilience
CZM Program: American Samoa
Federal Project of Special Merit Funding: $78,537
This project will utilize drone-based remote sensing to measure and monitor the impacts of sea level rise in wetlands and special management areas most vulnerable to coastal hazards and erosion. Project partners will develop a village-based outreach program to help village mayors understand coastal hazards.

Project Partners: Villages of Leone, Nu’uuli, Utulei, Vaitogi, and Masefau Bay

Analysis of Using Green Infrastructure as a Resiliency Approach
CZM Program: Georgia
Federal Project of Special Merit Funding: $83,201
This project will provide an in-depth economic analysis and cost-benefit analysis of implementing Green Infrastructure practices in coastal Georgia. This information will be incorporated into the Coastal Resilience Planning Guide, which is being developed as part of Georgia’s five-year coastal hazards Strategy, and will be made available to local governments throughout coastal Georgia and beyond. Georgia’s Coastal Hazards Strategy was inspired by a recent NOAA study, Economic Assessment of Green Infrastructure Strategies for Climate Change Adaptation: Pilot Studies in The Great Lakes Region.

Project Partners: Liberty County, University of Georgia, Fort Stewart, and local governments

Using Science, Building Social Capital, and Unpacking Tax Incentives for a Resilient Coastal New Hampshire
CZM Program: New Hampshire
Federal Project of Special Merit Funding: $250,000
This project will establish a shared understanding of best available science relevant to New Hampshire coastal flood risks, filling data gaps identified by the New Hampshire Coastal Adaptation Workgroup. Project partners will develop and implement a Creative Outreach Plan for coastal community resilience, including a focus on socially vulnerable populations. Project work will improve local communities’ capacity to fund and incentivize adaptation through a recently enacted coastal resilience incentive tax relief program.
Project Partners: University of New Hampshire, University of New Hampshire Cooperative Extension, Rockingham Planning Commission, Stratford Regional Planning Commission, and Studio NaCl

**A Seat at the Table: Integrating the Needs and Challenges of Underrepresented and Socially Vulnerable Populations into Coastal Hazards Planning in New Jersey**

CZM Program: New Jersey  
Federal Project of Special Merit Funding: $226,080

The project will replicate models to engage socially vulnerable populations. Project partners will 1) update data and methods to identify socially vulnerable populations at geographic scales relevant to community planning; 2) develop guidance, with piloted outreach strategies, to effectively engage these populations; 3) offer targeted trainings to disseminate project findings, decision-making resources, and tools; and 4) recommend policies for systematic integration of socially vulnerable populations in coastal management decision-making.

Project Partners: Jacques Cousteau National Estuarine Research Reserve, Rutgers University New Jersey Climate Adaptation Alliance, and New Jersey Office of Environmental Justice

**Rocky Shores**

CZM Program: Oregon  
Federal Project of Special Merit Funding: $224,967

This project will incorporate up-to-date information into Oregon’s Rocky Shores Management Strategy and will develop management plans at rocky shore sites that identify resource risks such as climate change, ocean acidification, and increased human use, and incorporate management strategies to address these risks. Project partners will create a comprehensive multi-agency communication plan to support public understanding and implementation of the strategy.

Project Partners: Oregon Department of Fish and Wildlife, and Oregon Department for Parks and Recreation

**The STORMTOOLS Risk and Damage Assessment App**

CZM Program: Rhode Island  
Federal Project of Special Merit Funding: $200,000

This project will develop, distribute, test, and evaluate a mobile phone STORMTOOLS app that allows the user to assess the risk from flooding and wind and the associated damage at the individual structure level.

Project Partners: University of Rhode Island and RPS Group
**Ensuring Effective Implementation of the Marine Spatial Plan for Washington’s Pacific Coast**  
CZM Program: Washington  
Federal Project of Special Merit Funding: $187,603  
This project will improve ocean resource management by ensuring effective implementation of the marine spatial plan through targeted education and outreach and the evaluation of scientific data for management of ocean resources on Washington Coast. Project partners will increase integration of the marine spatial plan into state and local processes.

Project Partners: NOAA Northwest Fisheries Science Center, Integrated Ecosystem Assessment group; NOAA National Centers for Coastal and Ocean Science; NOAA Olympic Coast National Marine Sanctuary, Washington Department of Natural Resources, Washington Department of Fish and Wildlife, and Washington Sea Grant

**Combining a Mapping Community of Practice with an Innovative Digital Collaborative Environment to Improve Coastal Hazard Planning and Policy Development**  
CZM Program: Wisconsin  
Federal Project of Special Merit Funding: $249,612  
This project will support the recently organized Lake Superior Coastal Hazards Community of Practice by specifically addressing culvert mapping, which is important to accurately understand flood hazard risk, but is at present performed piecemeal by various entities in the Wisconsin Lake Superior watersheds. In addition to reducing redundancies in local mapping efforts, project will support the development of a “Hazard Action Plan” with guidelines for vital geospatial information exchanges during hazard conditions.

Project Partners: Wisconsin Land Information Program, University of Wisconsin State Cartographer’s Office, Northwest Regional Planning Commission, and local communities