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# Building Community Resilience and Developing Adaptive Capabilities to Cope with Sea Level Rise in Hampton Roads and Beyond

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# Building Community Resilience and Developing Adaptive Capabilities to Cope with Sea Level Rise in Hampton Roads and Beyond

## Hampton Roads Sea Level Rise Preparedness and Resilience Intergovernmental Planning Pilot Project

One problem. Many partners. A whole of government approach.

### •STEERING COMMITTEE

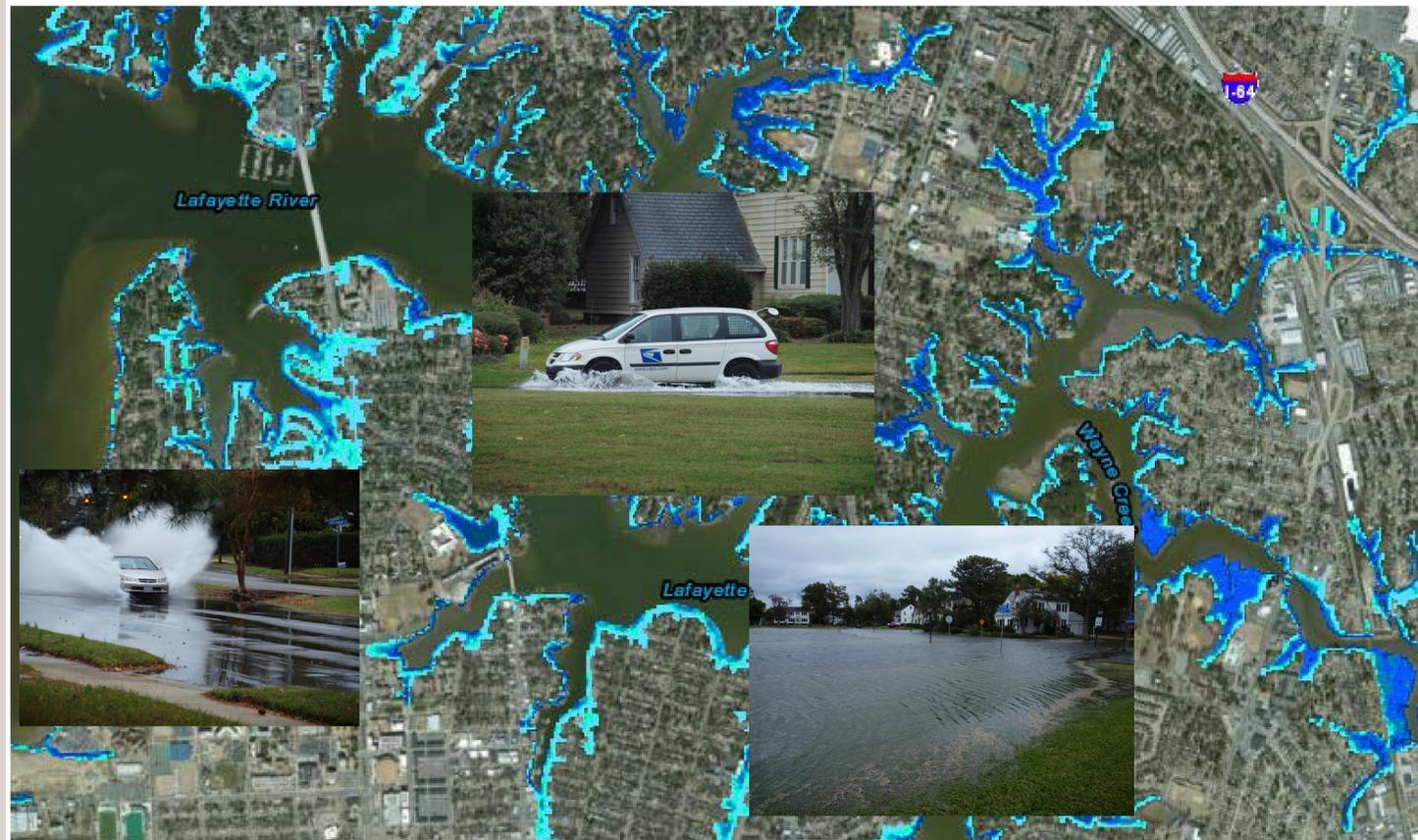
- Commonwealth of Virginia, Office of the Secretary of Natural Resources
- Virginia Port Authority
- Virginia Department of Transportation, Hampton Roads District
- Virginia Coastal Zone Management Program
- Virginia Department of Conservation and Recreation
- Hampton Roads Planning District Commission
- City of Norfolk, Office of Emergency Preparedness and Response
- Huntington Ingalls Newport News Shipbuilding

### •FEDERAL LIAISONS

- Commander Navy Mid-Atlantic Region
- Commanding Officer, Naval Facilities Engineering Command Mid-Atlantic
- Commander, Norfolk District, US Army Corps of Engineers
- Commander Joint Base Langley-Eustis
- Commanding Officer, US Coast Guard Shore Infrastructure Logistics Center
- Commander Fifth Coast Guard District

For more information, see <http://www.centerforsealevelrise.org>

Hampton Roads, VA, is an urban coastal region with a complex socio-economic structure and with infrastructure assets of national relevance threatened by climate change and sea-level rise. The area is sensitive to both hurricane and northeaster strikes and experiences one of the highest rates of local sea-level (LSL) rise on the East Coast. This large rate of LSL rise causes an increase in frequent flooding, denoted as “nuisance flooding” with growing socio-economic and environmental impacts.



- Recognizing the scientific and societal challenge for the region, ODU:
- Engages with societal stakeholder to create the practice-relevant knowledge needed to adapt to frequent flooding, sea level rise, and climate change;
  - Established a stakeholder-driven Mitigation and Adaptation Research Institute;
  - Leads the Hampton Roads Pilot Project aiming at a whole-of-the-government and whole-of-the-community response to the challenges.

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## Co-designing the research agenda and co-creating practice-relevant knowledge



**MITIGATION & ADAPTATION RESEARCH INSTITUTE**

**RESEARCH**  
Creating practice-relevant knowledge:  
– knowing the hazards  
– understanding vulnerabilities  
– improving foresight  
– enabling solutions  
– developing options

**EDUCATION**  
Developing the workforce for mitigation and adaptation:  
– transdisciplinary  
– problem-motivated  
– enabling leadership

**OUTREACH**  
Creating knowledge with the stakeholders and putting it to work:  
– co-design of the research agenda  
– co-creation of practice-relevant knowledge  
– co-usage of knowledge with stakeholder

RESEARCH  
EDUCATION  
OUTREACH

THE MISSING PIECE

www.mari.odu.edu

THE MISSING PIECE

