



Stakeholder Engagement For Resilience

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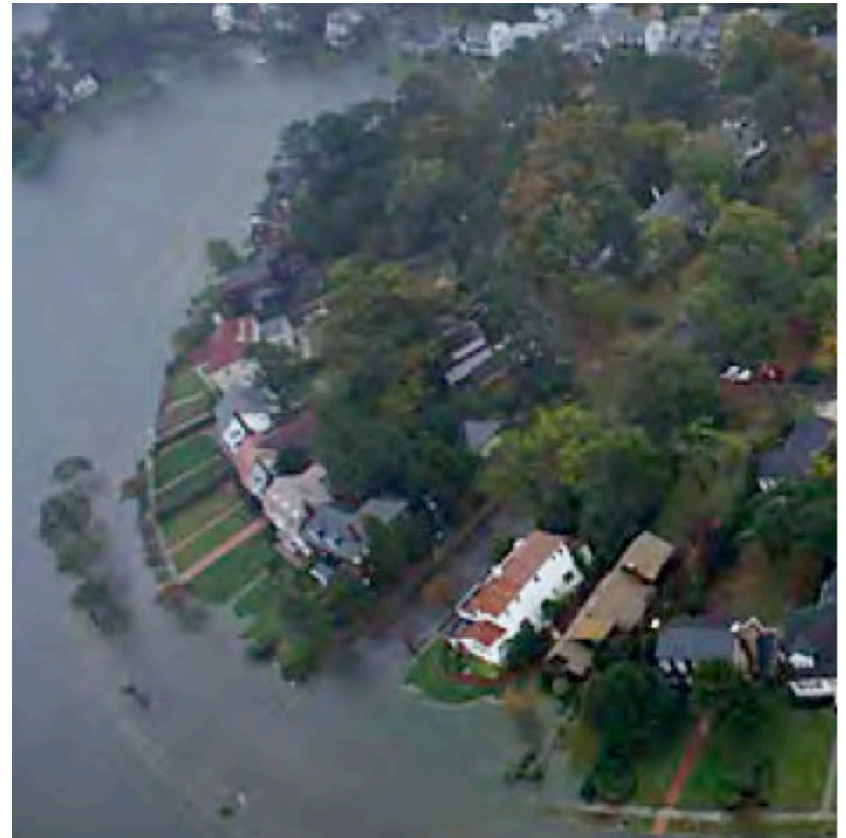
OLD DOMINION
UNIVERSITY

I D E A F U S I O N



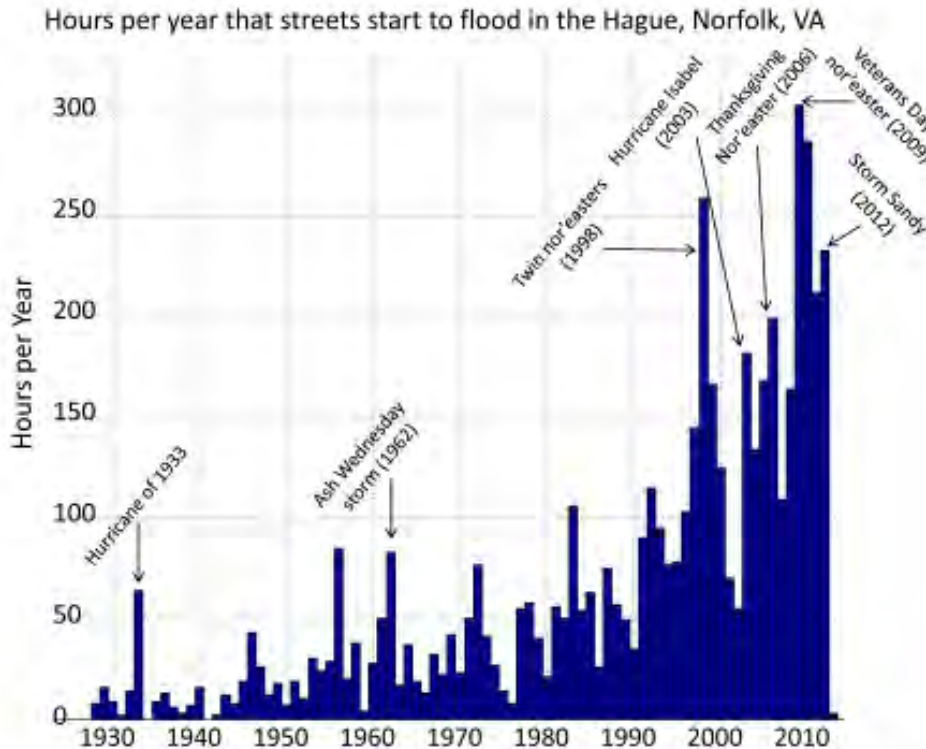
VA Sea Grant/ODU program

- ❖ The beginning: an obvious problem
- ❖ ODU engages
- ❖ The MARI Approach
- ❖ Next steps





Sea Level Rise in Norfolk



Virginia Pilot photo

Atkinson, et al., 2013



Projected SLR & Flooding

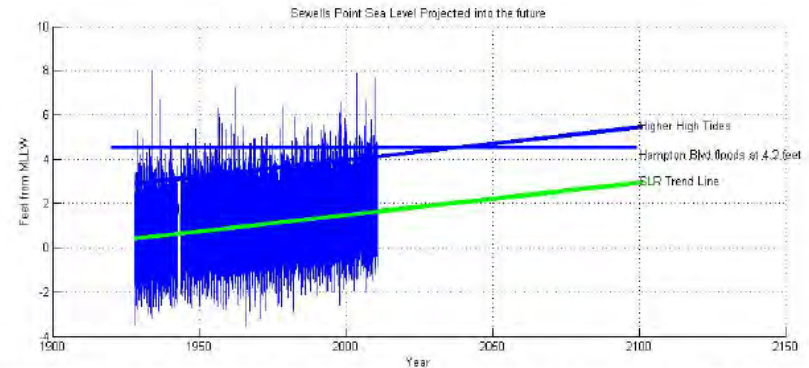
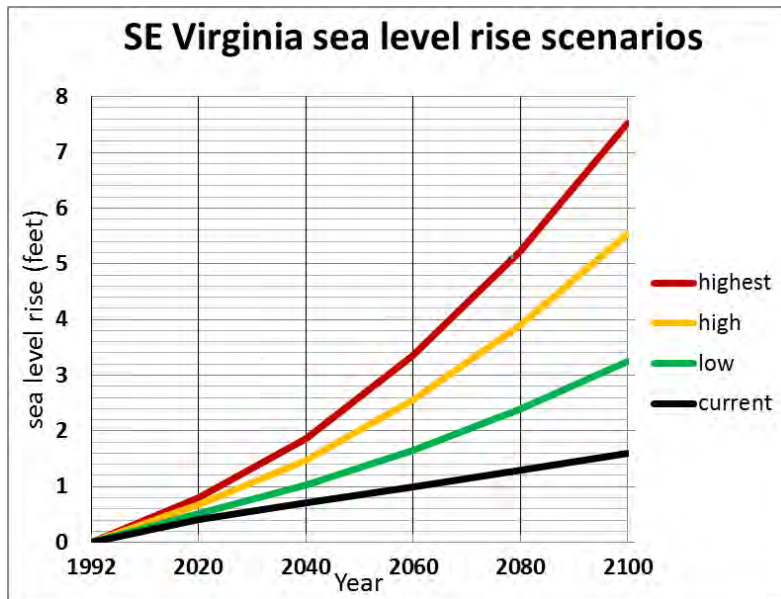
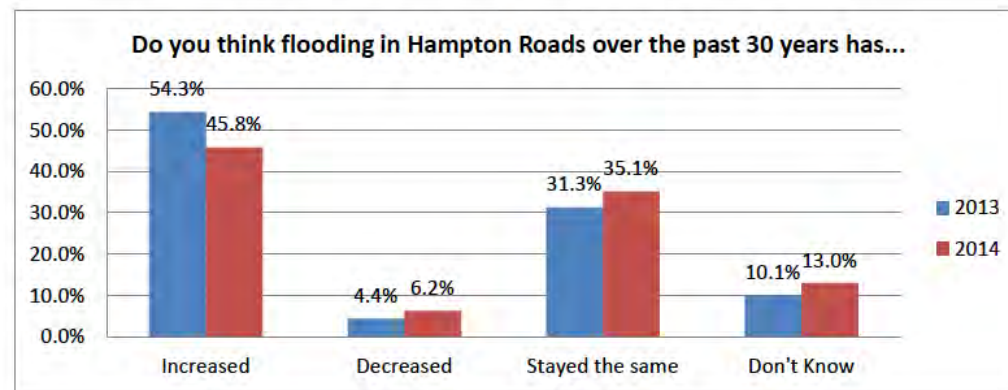
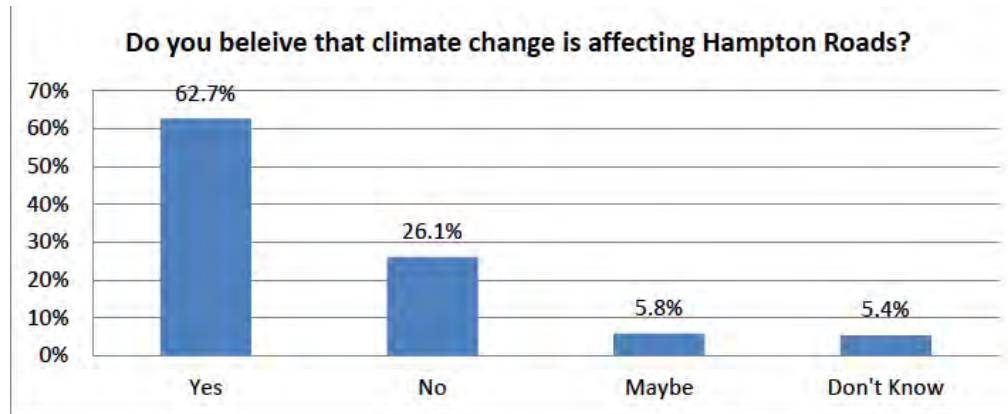


Fig. 7. Example of future street flooding. This figure shows the trend in sea level rise at Sewells Point. The street will be flooding every high tide by 2050.



Risk Perception in HR





ODU Engages

- ❖ ODU established the climate change and sea level rise initiative in 2010
- ❖ Forum engages region in conversations about flood management, response, tools, coordination since 2012
 - ❖ Best practices
 - ❖ Communication
 - ❖ Flood insurance, CRS
 - ❖ Vulnerability tools

ODU, HRPDC, Virginia Sea Grant



Hampton Roads Sea Level Rise/Flooding Adaptation Forum



ODU Facilitates

- ❖ In June, federal, military and other government entities were invited to participate in a “whole of government” planning and preparedness pilot project
 - ❖ Bipartisan discussion
 - ❖ Endorsed by Senator Kaine

Intergovernmental Planning Project



Convened by ODU

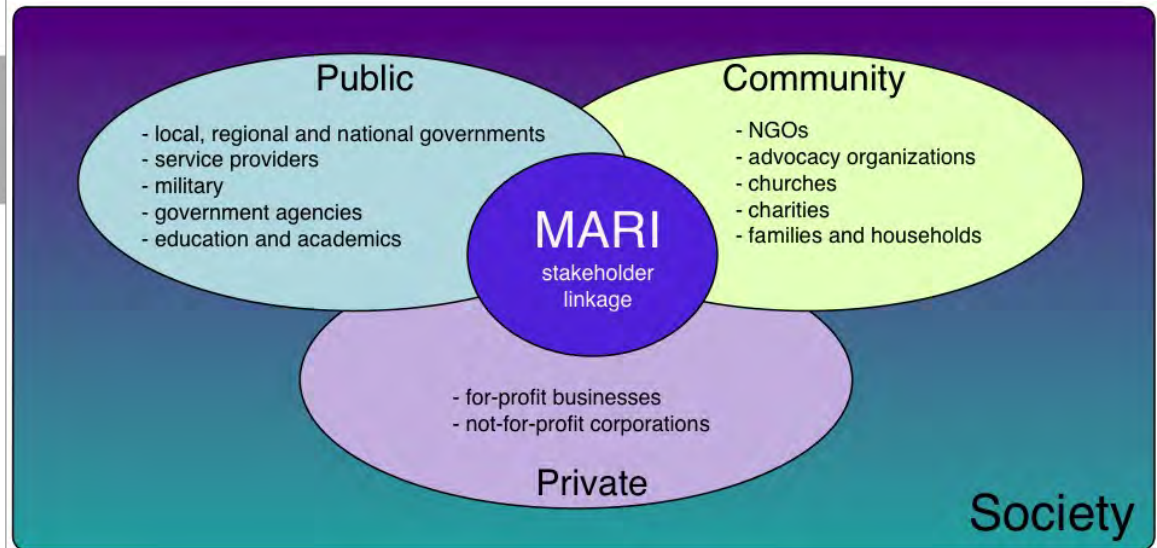


The MARI Approach

MARI

Mitigation & Adaptation
Research Institute

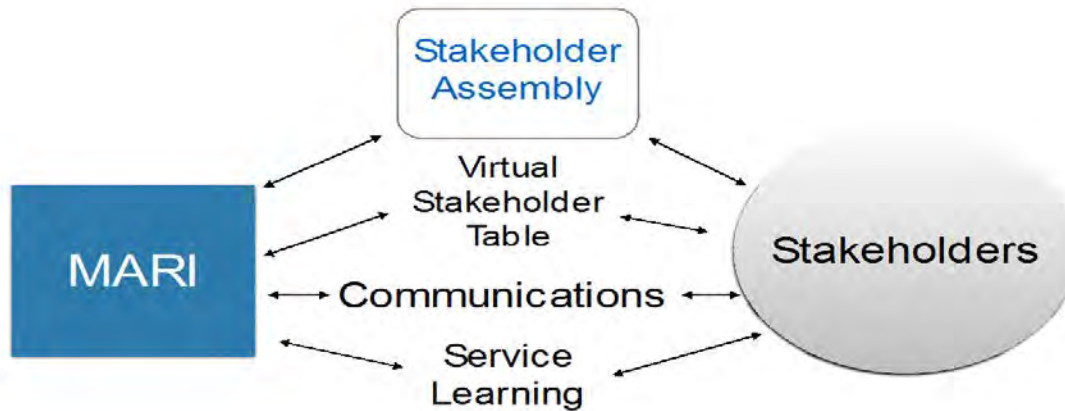
*Learning to Live with
Changing Climate and
Rising Sea Levels*



Plag, 2014



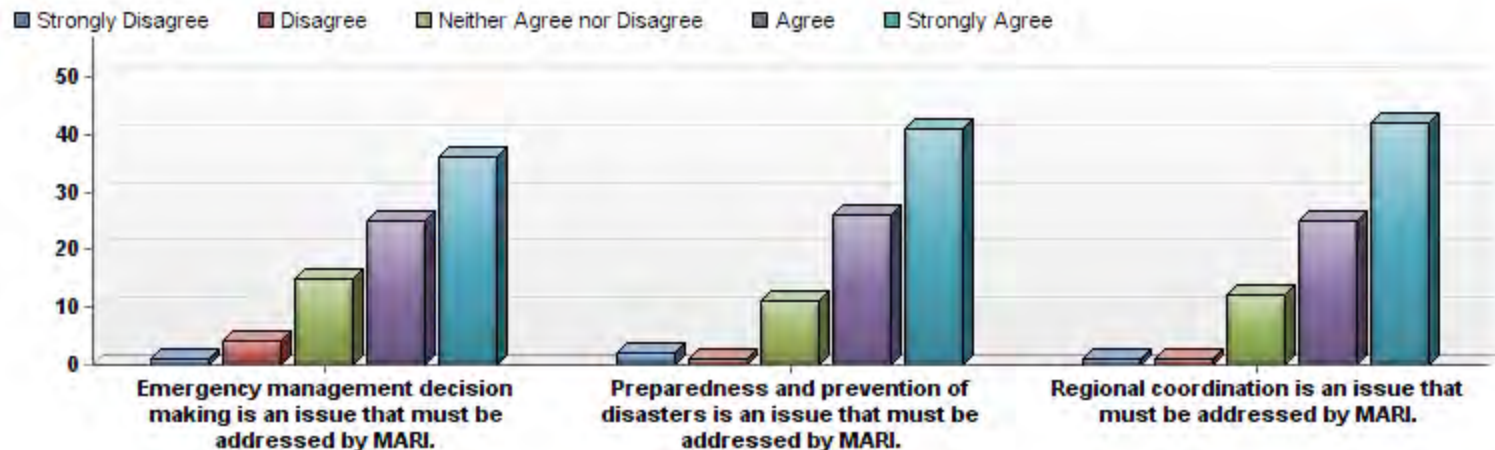
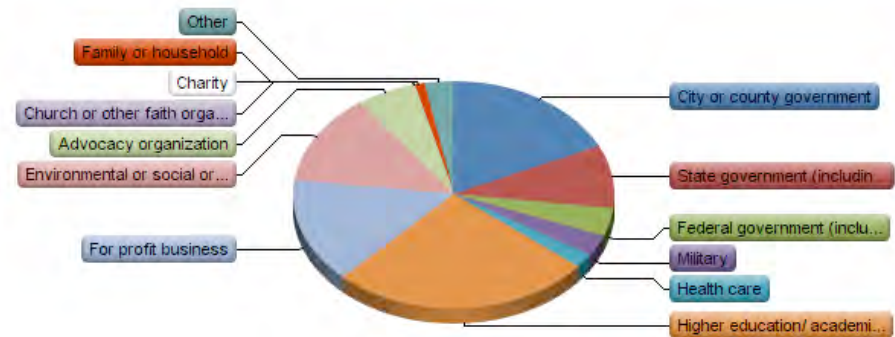
MARI Outreach Strategy





Stakeholder Survey

- ❖ 77 surveys completed
- ❖ Climate change and sea level rise- very urgent or extremely urgent issue





Fitting the Pieces Together





Next Steps

24 Hour Coding Challenge

NOVEMBER
8/9

CLIMATE DATA INITIATIVE:
CHESAPEAKE BAY

HACKATHON

- ▶ Calling all coders, programmers, developers, designers, web-mappers and problem-solvers.
- ▶ Work in teams with students and experienced coders to solve critical local flooding and water quality issues.
- ▶ Experiment with Intel's new Galileo boards, ESRI's ArcGIS tools and other applications to create new tools

BE PART OF THE SOLUTION

Free Food, give-aways and surprises
Register now for this Free event at

www.chesapeakeconservancy.org/chesapeake-hackathon

9:00 AM - 9:00 PM Each Day
Old Dominion University's Virginia Beach Center
1881 University Dr

more info at www.mari.edu/workshops



- ❖ Existing programs
- ❖ Warning systems for flooding
- ❖ Community Engagement events
 - ❖ Urban Land Institute
 - ❖ Resilient Virginia
- ❖ Adaptation Design Projects
 - ❖ Wetlands Watch



Thank You



