



# Hampton Roads Adaptation Forum: Evaluating A Model for Engagement Across Sectors

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Commission**

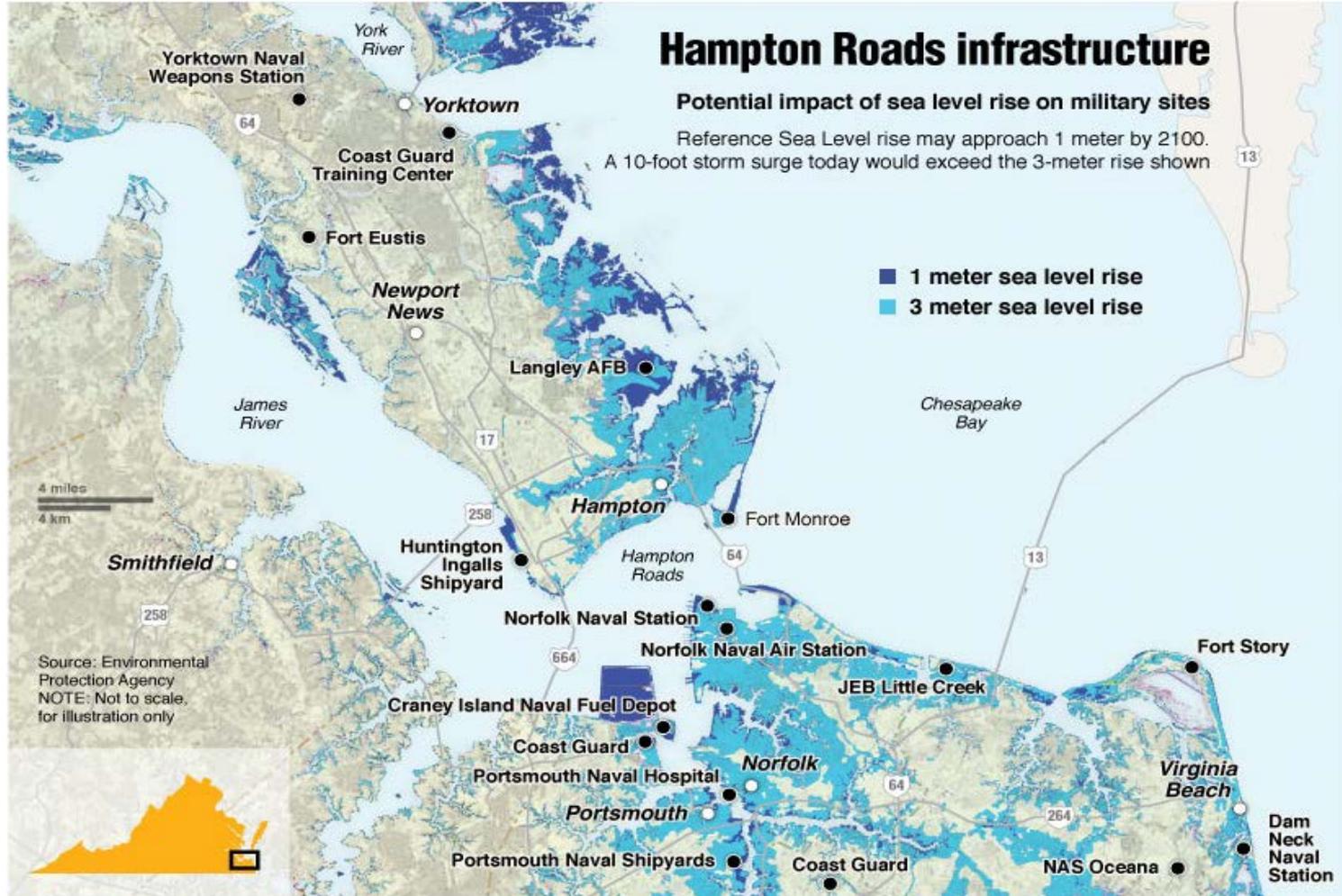
**Larry Atkinson, Old Dominion University**





Sea Grant  
Virginia

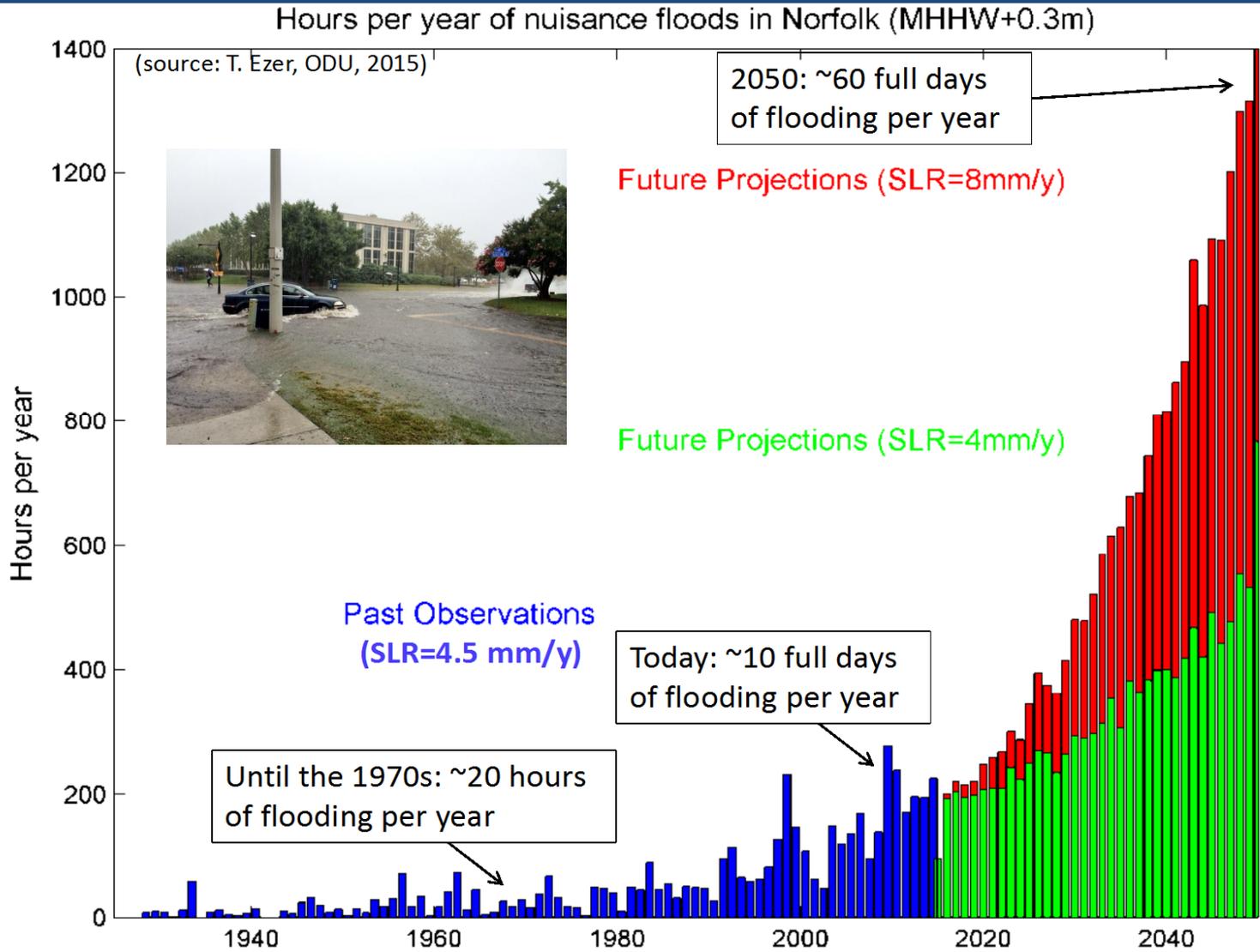
# Hampton Roads, Virginia



National Security and the Accelerating Risks of Climate Change, CAN Military Advisory Board  
May 2014



# Flooding and Sea Level Rise





2010-11

- Virginia Beach Listening Sessions
- ODU Climate Change and Sea Level Rise Initiative

2012

- Hampton Roads Adaptation Forum

2013

- Recurrent Flooding Sub-Panel and Workgroups
- HRPDC Coastal Resilience Report
- VIMS Recurrent Flooding Study

2014

- Intergovernmental Pilot Project
- HRPDC Sea Level Rise Committee
- Norfolk one of 100 Resilient Cities

2015

- ULI Resilient Region Reality Check
- Dutch Dialogues
- Multiple statewide, regional and local resilience effort



# Goals

- Municipal staff+ academics+ other stakeholders to share latest science and policy
  - ODU, VIMS, UVA, GMU, VT, UNC-CH, federal researchers, professionals
- Provide an informal setting to discuss science and best practices, network, collaborate





# Forum Topics

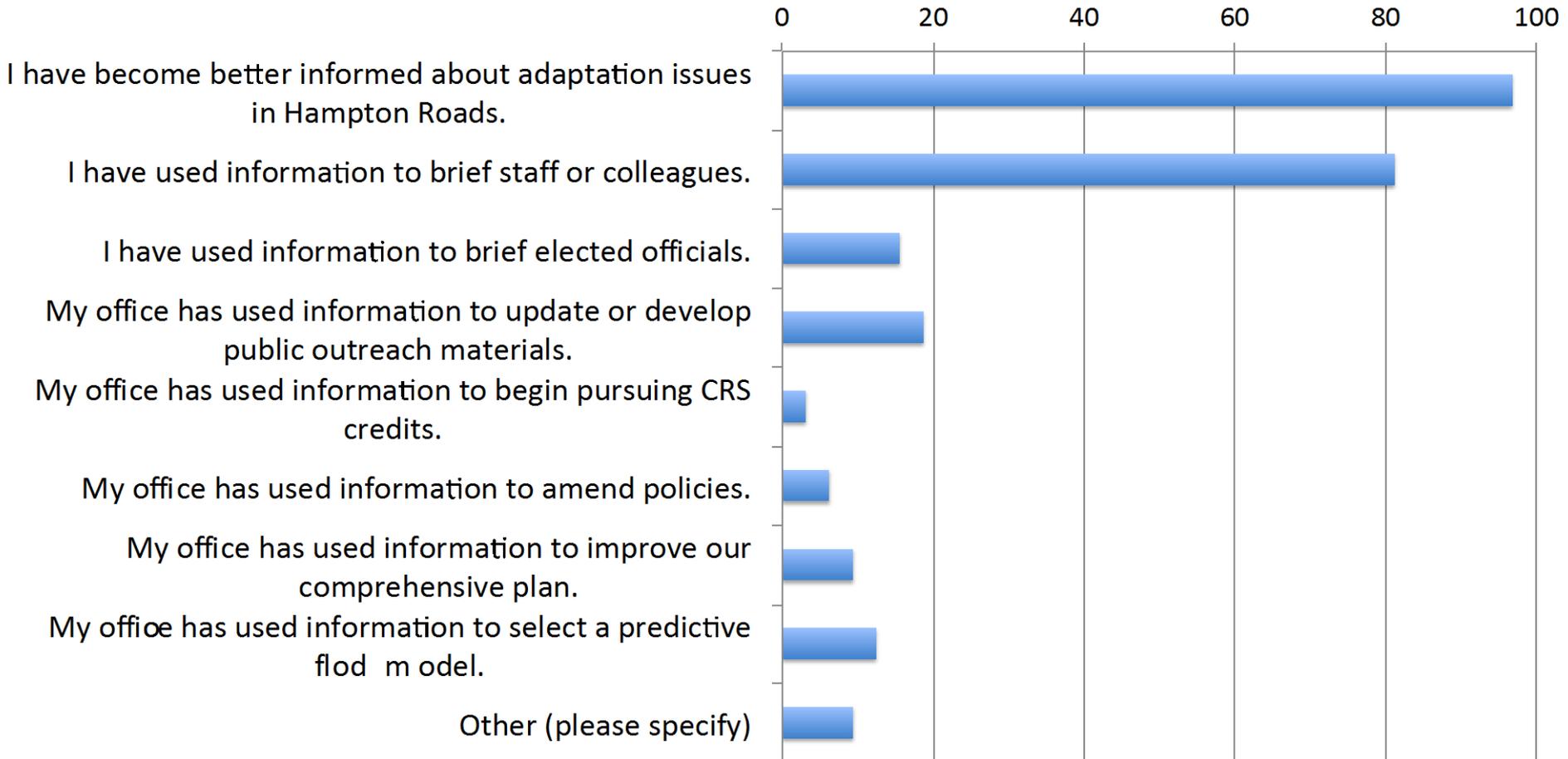
- The State of Sea Level Rise Science
- Government Efforts to Plan for SLR
- Best Practices for Communication
- Vulnerability Analysis for Naval Station
- Floodplain Management and Flood Maps
- Tools for Assessing Vulnerability
- Storm Surge Modeling and Visualization
- Feasibility of Mega Projects for Hampton Roads
- Adaptation Strategies and Lessons
  
- Next week: Cultural Institutions Reaching Out to Residents



# Evaluation

## March 2015

How have you or others in your workplace used information provided ?

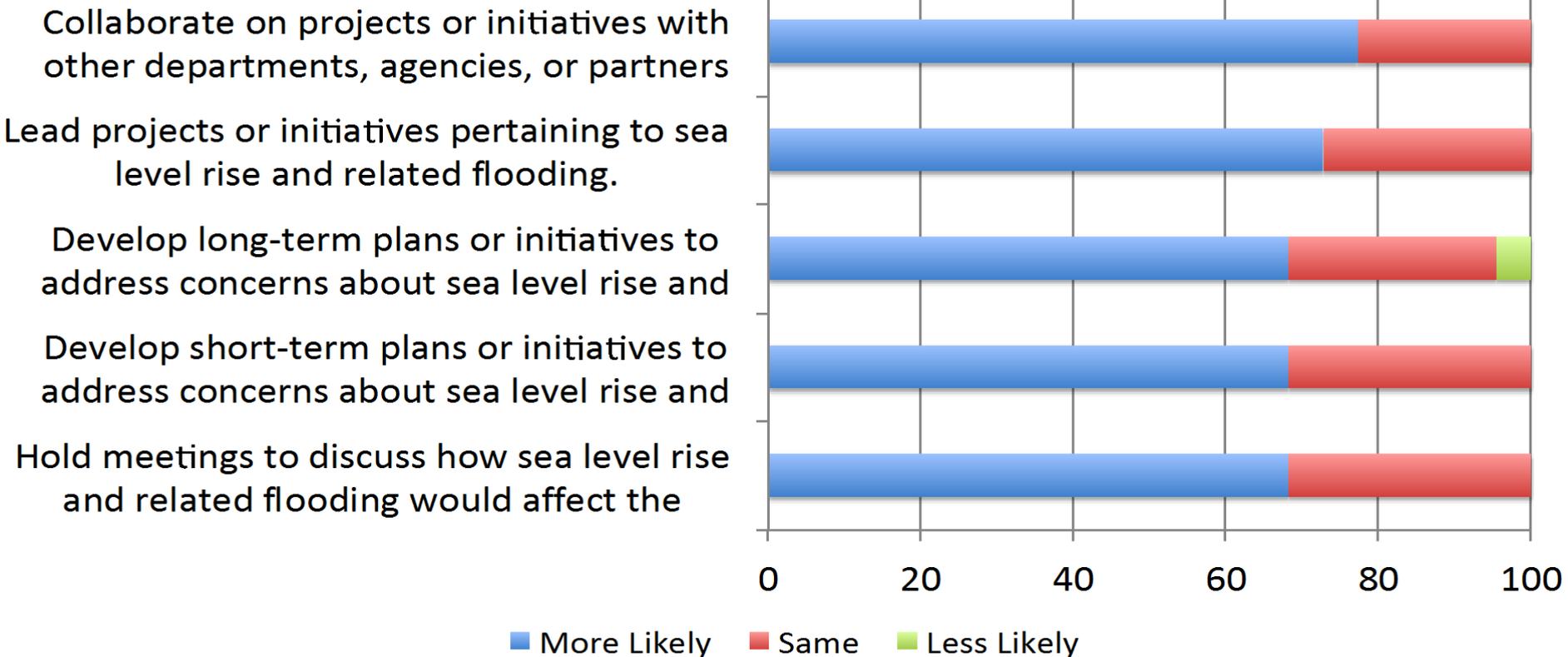




# Evaluation

## March 2015

Compared to your workplace in 2010, how likely would you or others in your workplace do the following?

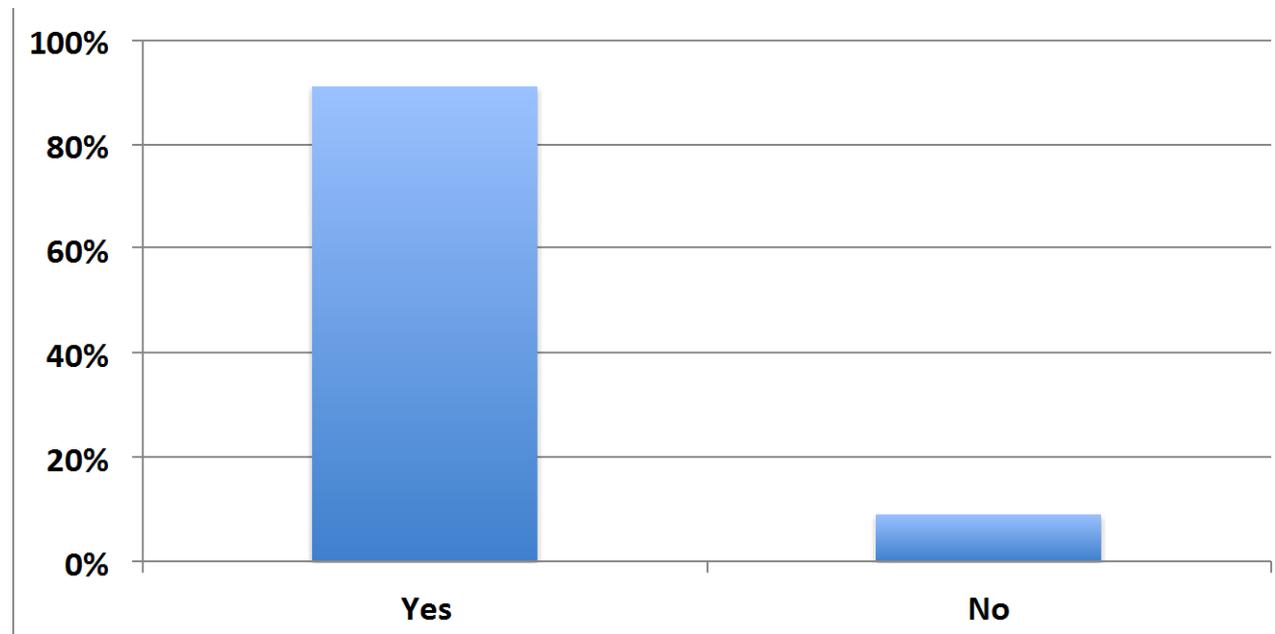




# Registration Questions

## October 2015

Is your organization involved in sea level rise/ flooding adaptation plans or projects?





# Registration Questions

## October 2015

### Plans or Projects

- Offshore breakwaters to reduce storm surge, resiliency planning for historic districts, flood-proofing strategies, utility continuity planning.
- Updating the Virginia Flood Protection Plan at the request of the General Assembly
- Working with the Army Corps regarding Newmarket Creek, which experiences both tidal and rainfall flooding, one tidal gage installed, and one approved and pending installation. continue to install near shore breakwaters, and monitor beaches for nourishment
- Installing tide gates on storm water outfalls
- We are addressing adaptation to sea level rise through the update of the Comprehensive plan and through two research projects being done through VMASC to assess the public's knowledge of sea level rise and recurrent flooding and their adaptation strategies.
- 3-year study to identify potential problem areas and plans to address those areas as a comprehensive city-wide plan
- Planning effort, engineering studies and projects, ordinance amendments, CRS participation



# Registration Questions

## October 2015

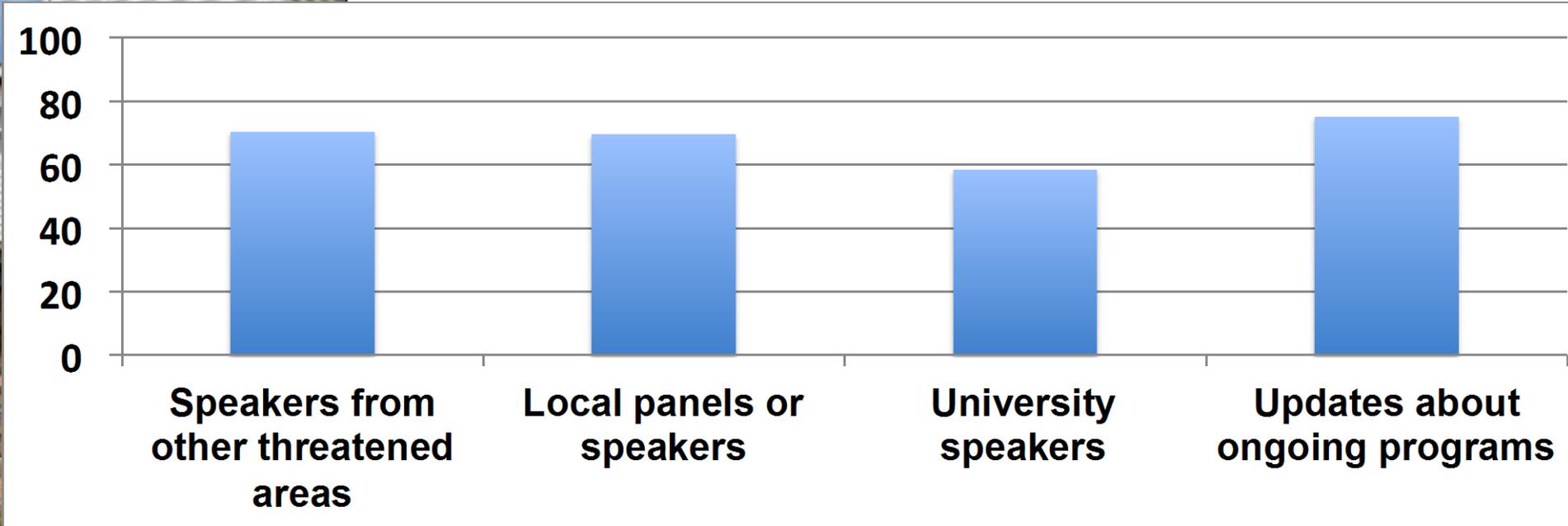
Most significant barriers to planned adaptation to sea level rise

1. The cost of implementation
2. Lack of political will
3. Issues of governance
4. Policies
5. Need for information/data
6. Lack of public understanding



# Registration Questions October 2015

What is the most valuable part of the Hampton Roads Adaptation Forum?





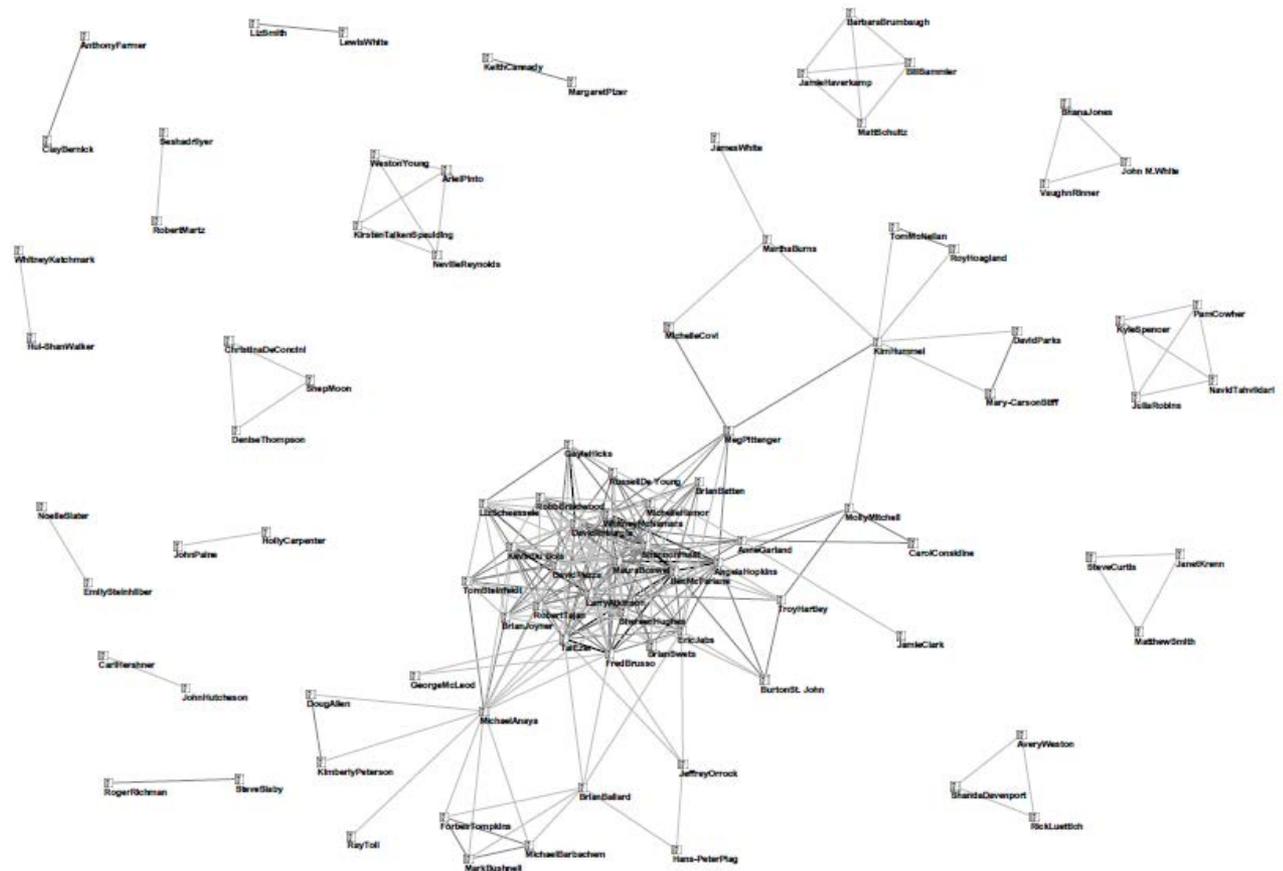
# Lessons learned

- Although stakeholder fatigue is real, a trusted brand with timely topics keeps people coming back
- Logistics- meeting location, food, parking important
- Informal networking just as important as formal program- maybe more important
- Mixing generators and users of science and tools is critical to success
- Important to listen to local needs and respond



# Integration & Innovation

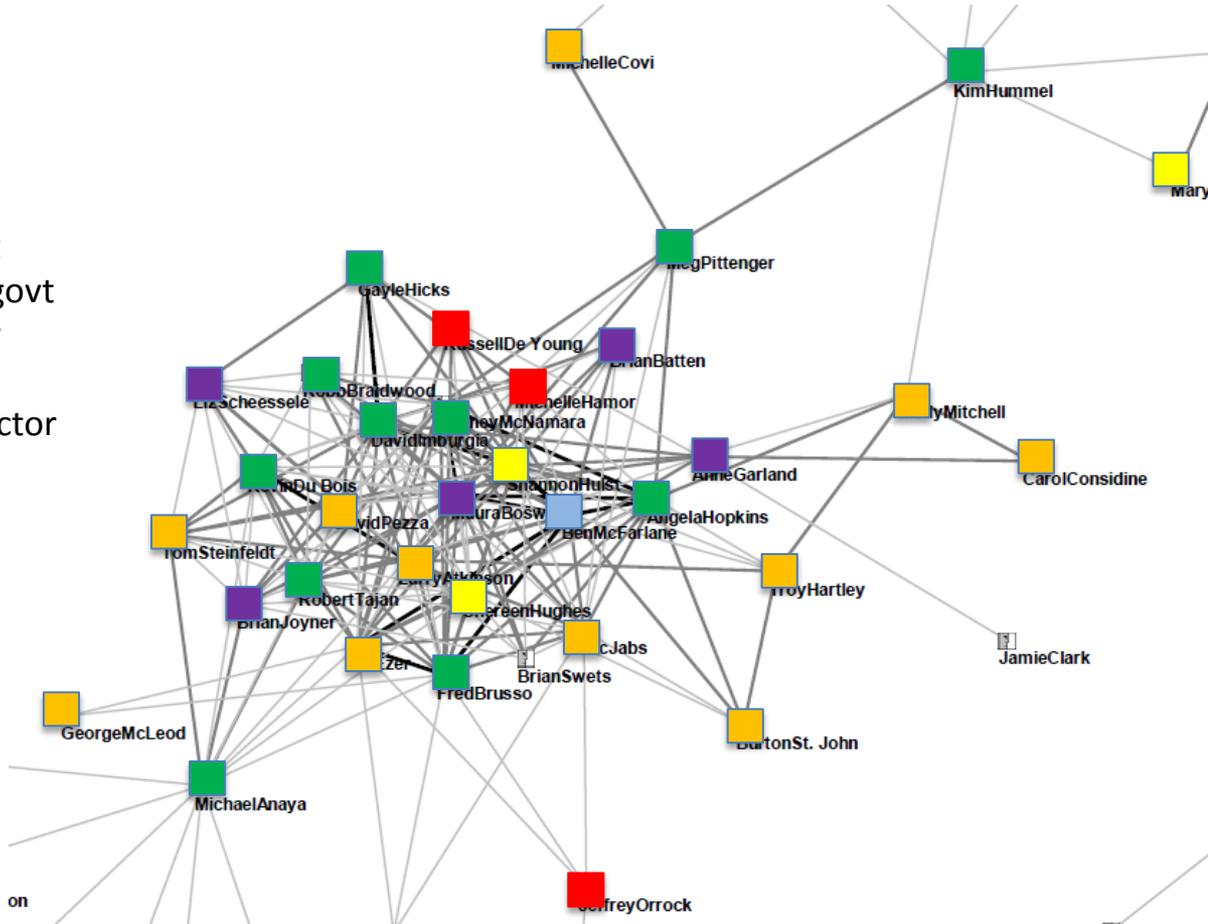
- Network analysis—HR Adaptation Forum





# Integration & Innovation

- Operationalizing integration & innovation
  - Hampton Roads Adaptation Forum





# Questions?

