PREP-RI ADAPTATION



PRESENTATION NOTES

Reduce Your Risk: Integrating Adaptation into Local Planning	 Welcome to "Reduce Your Risk: Integrating Adaptation into Local Planning." This is part of the online module series "Providing Resilience Education for Planning in Rhode Island" (or PREP RI). *** Image Source: Meeting Photograph, RI Sea Grant
Presenters State Presenters	2. I am Pam Rubinoff with URI's Coastal Resources Center and Rhode Island Sea Grant. I'm joined by Chelsea Siefert, Planning Director for the Town of South Kingstown.
By the end of this module you will be able to: • Describe the process of incorporating adaptation into local planning • dentify adaptation strategies to address flooding and other climate change-related impacts in coastal communities • PREP-RI ADAPTATION • PREP-RI ADAPTATION	3. By the end of this module, you will be able to describe the process of incorporating adaptation into local planning and identify adaptation strategies to address flooding and other climate change-related impacts in coastal communities.
Why Does It Matter?	4. So, why should we adapt to- or plan for- the impacts of a changing climate, impacts that are expected to worsen in the future?
	5. As you've learned in other PREP-RI modules, the impacts of climate change, such as increased flooding and erosion, are already being felt in Rhode Island. By taking proactive steps now to adapt, we can help protect people and places from these impacts today as well as reduce the burden on our children and generations into the future. Cities and towns are on the front line of reducing the vulnerability of people, infrastructure, and the environment to the impacts of climate change.
	Image Sources: (clockwise from upper right): Waterplace Park, Providence, J. Bancroft



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	Shoreline Change Maps, J. Freedman Evacuation Routes, RI Sea Grant Social Vulnerability, SLR & Transportation Fact Sheets (King tide at Conimicut Point, Warwick), J. Freedman SLAMM maps (king tide at Block Island marsh), K. Hoyt STORMTOOLS, <u>www.beachsamp.org</u> RI Floodplain Mapper, RIEMA
Areas Impacted by Sea Level Rise	9. Such information may be compiled into assessments of exposure to coastal hazards that help local officials make informed decisions, leading to safer, more resilient communities. For example, the Town of North Kingstown worked with URI to examine the impacts of climate change on the community, resulting in a series of maps that identify the natural and physical assets most vulnerable to sea level rise and increasing storminess. Now I'll hand it over to Chelsea.
Burger Burger Opendio Depider Op	10. After "Know Your Risk," comes "Make a Plan." Rhode Island cities and towns are now required to include natural hazards and climate change impacts in their community's comprehensive plan. The comp plan conveys broad goals and policies for adaptation, and the Hazard Mitigation Plan, which is required if seeking mitigation funding, addresses those goals with specific actions. Other community plans follow suit. Capital and Transportation Improvement Plans include things like building retrofits, road raising or rerouting, and stormwater system redesign. Subdivision and land development regulations and zoning ordinances may be amended to ensure that natural hazards and climate change impacts are appropriately considered early on in the review process. There are great resources available to assist you in these efforts that are listed in the resources document accompanying this video.
Comprehensive Plan is the Foundation	11. Several Rhode Island communities have already incorporated natural hazards and climate change impacts into their planning. For example, North Kingstown developed a vision statement stressing the importance of resilience. In Newport, protecting historic resources in the face of climate change and sea level rise is included in the Historical and Cultural Resources section of their Comprehensive Plan in addition to other key priorities addressed in their "Natural Hazards and Climate Change" chapter. Barrington's plan included a section on "Planning for Impacts of Sea Level Rise on Coastal Wetlands," informed by the SLAMM project.





	Image Sources (clockwise from upper right): Hazard's Beach, Newport dune restoration, W. Ferguson Salt Marsh, NBNERR
ProtectImage: Image: Ima	18. While structural protection measures like hurricane barriers, seawalls, and riprap may be used in such cases, it's important to remember that these strategies are only effective, and permitted, in certain locations. They also may tend to amplify the force of the water that hits them, exacerbating erosion and putting them at risk of collapse. The initial construction costs, along with the required maintenance, make them expensive investments. Now I'm going to hand it back over to Pam to finish up. *** Image Sources: Left: Fox Point Hurricane Barrier, M. Belanger Right: Newport Cliff Walk, P. Rubinoff
1. Know Your Risk -Scope -Assess Stakeholder - - - - - - - - - - - - -	19. As you've seen, many communities are already preparing for the impacts of climate change. By using the tools available to understand their vulnerabilities, local communities can incorporate adaptation strategies in their plans and procedures to reduce flooding, erosion and other climate change-related impacts, which will ultimately protect the well-being of our residents and communities as a whole. It's important to note that the efforts presented- and many others- are successful in large part because of strong partnerships. For example, municipalities may partner with their local land trust to protect open space or with the local Historic Commission on design guidelines.
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Acknowledgements Suppor Governor Gina Raimondo, Ri Legislature, and the University of Rhode Island Overlight Committee Janet Cole, Ri Department of Environmental Management Grover Figgiste, Ri Coastal Resources Management Council Representative Lauren Camano, Dieled 75. Weword	21. The PREP-RI team acknowledges the support of statewide leaders, experts and practitioners who helped to make this module a reality.
Hear Server, Barriel K. S. K.	Support Governor Gina Raimondo, RI Legislature, and the University of Rhode Island Oversight Committee Janet Coit, RI Department of Environmental Management

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