

# FIU Sea Level Solutions Center

## SEA LEVEL SOLUTIONS CENTER

Institute of Water and Environment



- ❑ Hub for international research, collaboration, education.
- ❑ Applies information to build knowledge, design and evaluate mitigation and adaptation strategies, and create resilient, prosperous coastal urban communities locally, regionally and internationally.
- ❑ Regional partnerships include the City of Miami Beach, Miami Dade County, the City of Coral Gables, the City of Miami, the Southeast Florida Regional Climate Change Compact, the Florida Climate Institute, the South Florida Water Management District, the CLEO Institute, Code for Miami, Vizcaya Museum and Gardens, and so many more.
- ❑ Includes more than 65 FACULTY spanning 10 disciplines at FIU.
- ❑ Member of the Florida Climate Institute

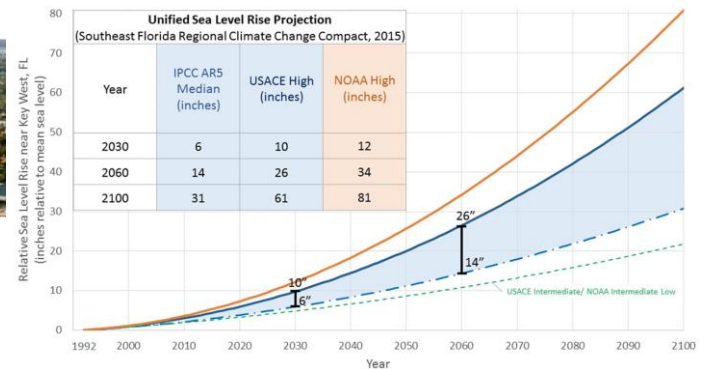
# Research and Outreach

- ❑ Potential Implications of Sea-Level Rise and Changing Rainfall for Communities in Florida using Miami-Dade County as a Case Study
- ❑ Development of Unified Rainfall Scenarios for Florida
- ❑ Urban Resilience to Extremes Sustainability Research Network (UREx SRN)
- ❑ Urban Water Innovation Network (U-WIN)
- ❑ Effects of Projected Sea Level Rise on the Everglades Coastal Ecosystems
- ❑ Sea Level Rise projections update for SE Climate Compact through Florida Climate Institute



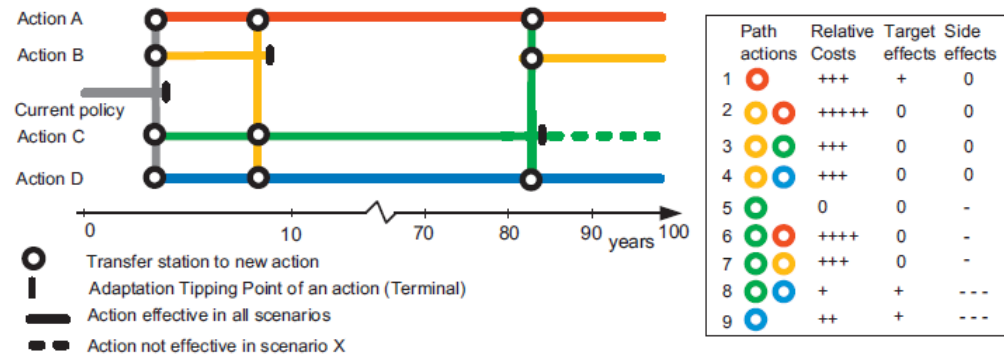
## Getting Ahead of the Curve for a Resilient Economy:

An Introduction to Risks and Opportunities of Climate Change for Top Business Sectors in Southeast Florida



# Future Directions

- ❑ Dynamically Adaptive Policy Pathways (DAPP)
- ❑ Compound Flooding (sea level rise, storm surge, rainfall, groundwater)
- ❑ Coastal Observation Systems
- ❑ Natural and Nature Based Solutions
- ❑ Engineering standards which account for nonstationarity
- ❑ Multi-sector resiliency focus
- ❑ Florida Climate Assessment through FCI
- ❑ Biennial Symposium on “Adaptation to Sea Level Rise: Science to Action”



Circle - Critical Infrastructure: Relations and Consequences for Life and Environment

