Toa Baja Puerto Rico

Building Physical, Economic, and Social Resilience

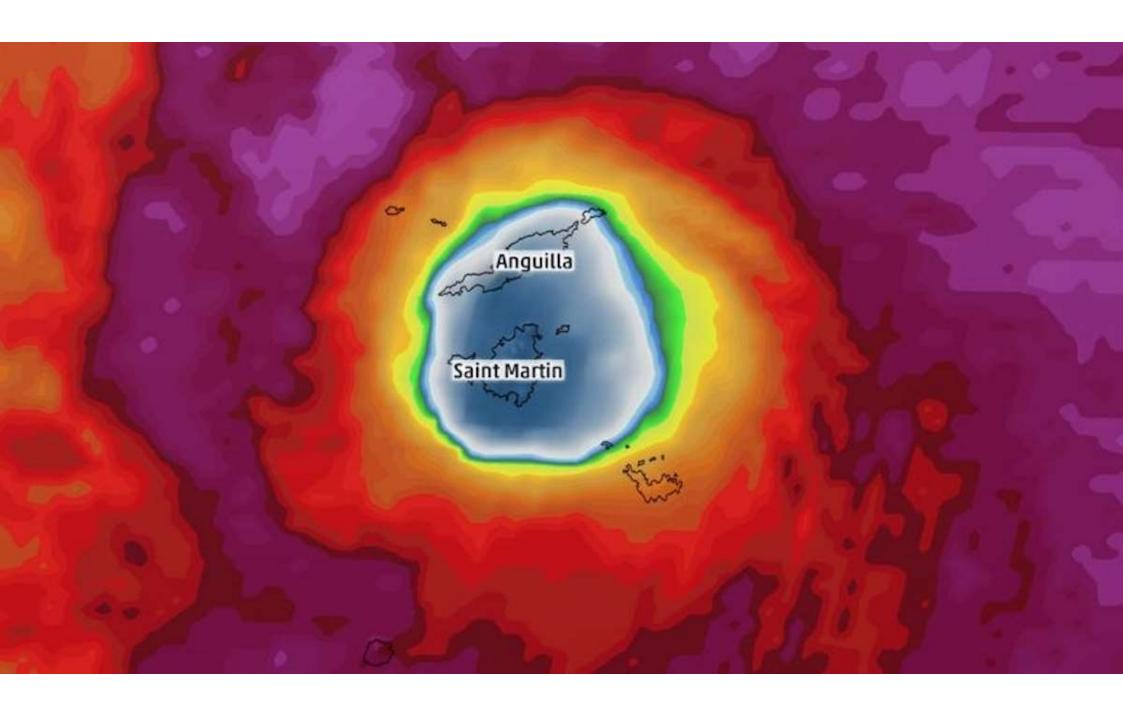
A ULI Advisory Services Panel Report

ULI Climate Resilience Roundtable in Amsterdam Adam Greenfader, Chair of the ULI SE Florida/Caribbean Council

Lessons for Sint Maarten, Bahamas......







Puerto Rico



3.2 million residents (almost 100 percent of residents) on the island of Puerto Rico were left without power—and most without water and communications.



3,000 deaths



Massive Emigration
(150,000 people in twenty-four months)



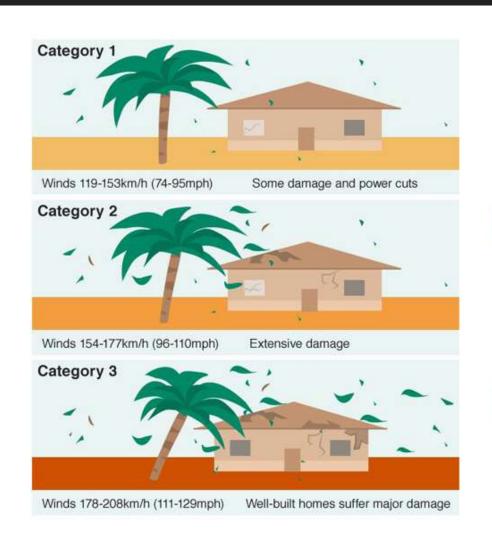
Worldwide Attention







HURRICANE CATEGORY 1 - 5





ULI Advisory Services Panel



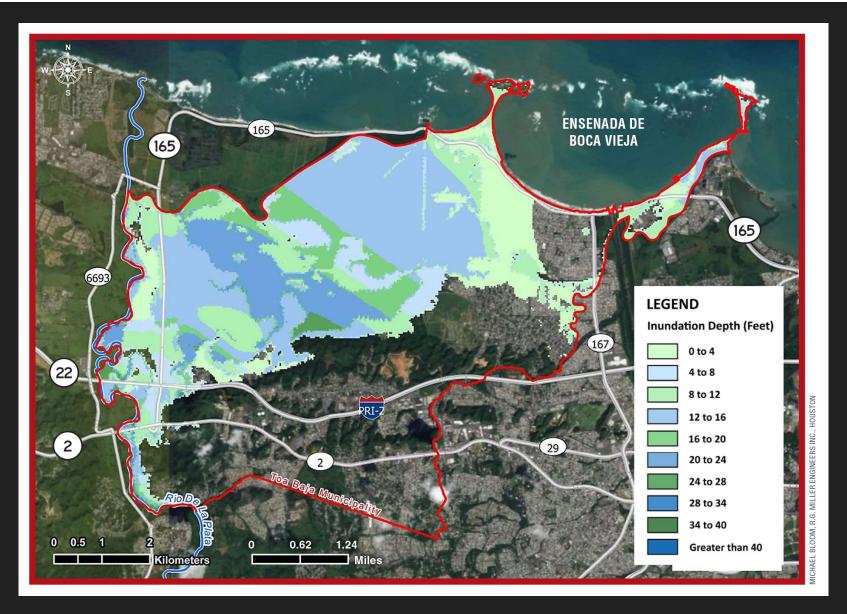
The ULI Advisory Services panel's technical assistance focused on the Municipality of Toa Baja.



Resilience: Determine how Toa Baja can be more prepared for extreme weather events and enhance resilience through investments, partnerships, and land development processes; and



Economic development: Identify how Toa Baja can leverage competitive advantages and economic drivers at regional, commonwealth, and national levels.



The area of inundation is a result of stormwater runoff flowing downriver, overflowing the river's banks, and flooding the surrounding ground.







Enforce Building Codes (50% +)

Advisory Panel Conclusions



Streamline Permit Process (Bureaucracy leads to informal construction)



Create New Land Use and Floodplain Regulation



Enhance water supply and sanitation



Improve Communications Infrastructure (Cellular phones are the first line of defense)



Encourage Natural Drainage Systems



Consensus Building and Civic Engagement (How do you move communities out of flood zones)

Next Steps For ULI

US Government through its housing - HUD has approved the Puerto Rico Disaster Recovery Action Plan for \$20 billion USD in funds.

By creating a reimagined municipality that is at the forefront of these matters, Too Baja will be a model for resilience for other municipalities to replicate, across the commonwealth and the Caribbean.

Conclusions

Understanding climate risk and its real estate investment implications is a complex challenge.

Develop a proactive approach to address climate risks.

Learn from best practices – worldwide.

Build better by thinking long term.





CLIMATE RISK AND REAL ESTATE INVESTMENT DECISION-MAKING



A REAL ESTATE INVESTMENT MANAGEMENT FIRM

