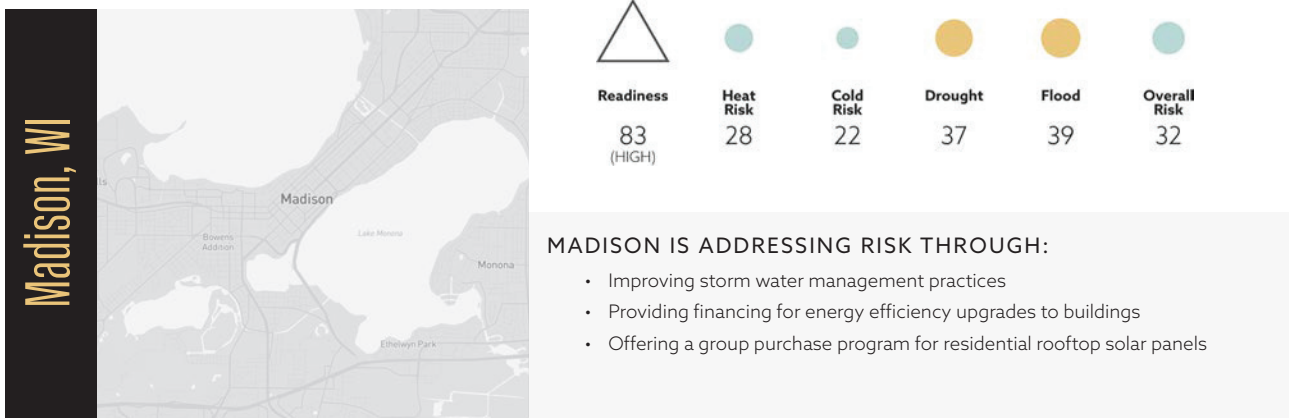


Climate Change is Here. Is Your City Ready?

Are you going to be underwater or sweating it out? That depends on where you live, and how proactive your city is in adapting to climate change.

In an effort to shift climate change conversations from abstraction to reality, the team at ILLUME used the Notre Dame Global Adaptation Initiative's (ND-GAIN) Urban Adaptation Assessment to assemble these maps to showcase climate readiness scores across five U.S. cities.

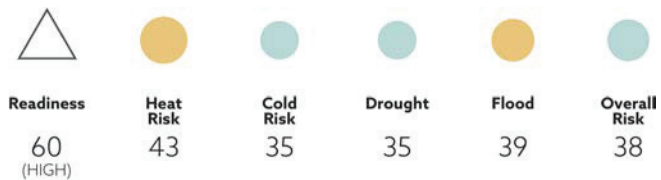
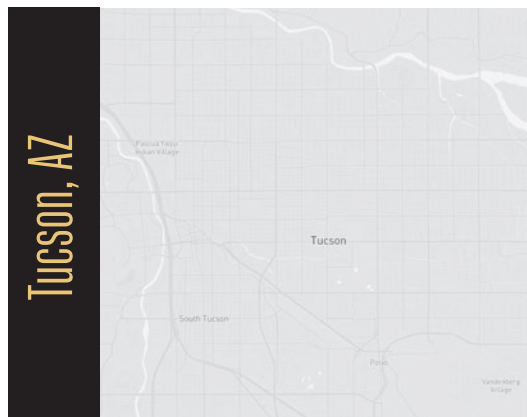


What is the Urban Adaptation Assessment?

ND-GAIN is an interactive database showing vulnerabilities to climate change and adaptive characteristics of 270 cities in the U. S. and Puerto Rico with populations above 100,000. The database expresses all scores on a 100-point scale and defines climate change adaptation in the form of:

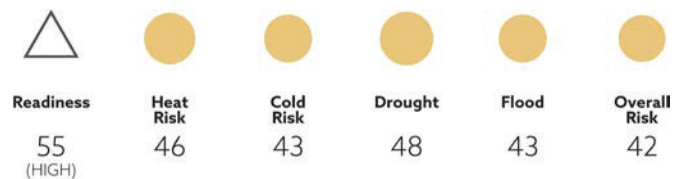
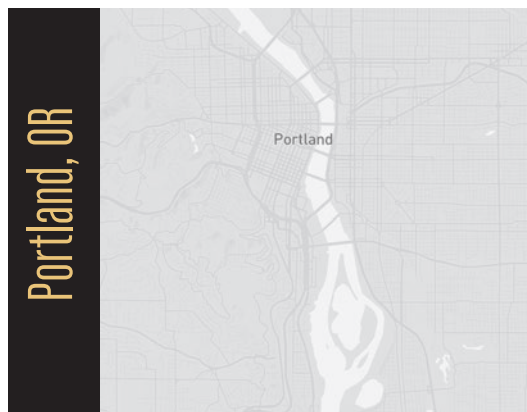
- Protection that enhances resistance to the hazard, e.g., embankments to protect roads from flooding
- Accommodation to work with the hazard conditions, e.g., turning a road into a causeway so water can flow under it
- Retreat by avoiding the hazard, e.g., re-locating a road

For each city, the initiative calculates risk scores for flood, heat, cold, sea level rise, and drought, along with scores based on economic, governance, and social readiness. Scores of 40 and above receive a HIGH designation. Scores below 40 are designated as LOW. Want to see the risk and readiness score for a particular city? Check out <https://environmentalchange.nd.edu/resources/nd-gain/> to see how your city stacks up.



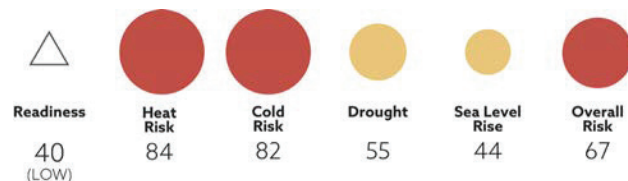
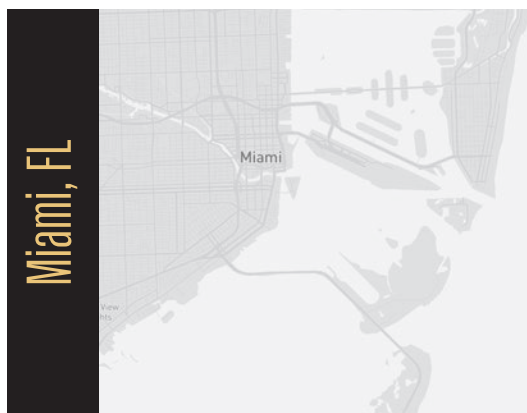
TUCSON IS ADDRESSING RISK THROUGH:

- Recharging groundwater reserves
- Setting a 50% reduction goal for carbon emissions from energy use, water consumption, and transportation by 2030
- Preparing for drought by banking water for future needs, reducing water demand, and using reclaimed water



PORTLAND IS ADDRESSING RISK THROUGH:

- Enhancing protection of watersheds and rivers that provide surface water, expanding groundwater capacity and aquifer storage and recovery
- Investing in road, rail, bridge, bike lane, and sidewalk projects
- Using interactive online effectiveness maps encouraging residents to plant more trees and install green roofs



MIAMI IS ADDRESSING RISK THROUGH:

- Increasing tree canopy coverage to 30% by 2020
- Restoring living shorelines by planting and maintaining native vegetation to slow beach erosion
- Designing parks and open spaces to manage flooding and reduce the urban heat island effect