



Planning for Extreme Heat

January 28, 2025

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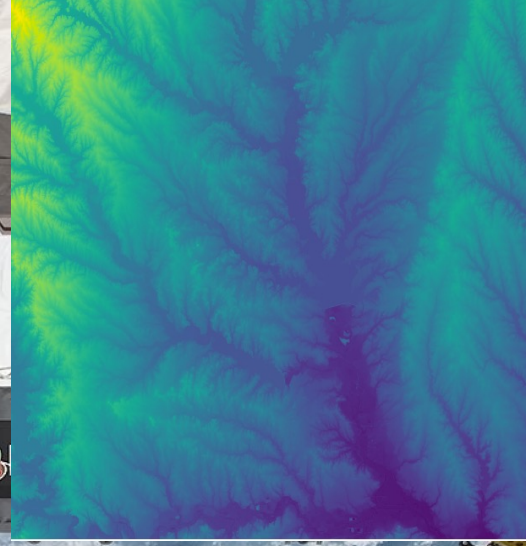
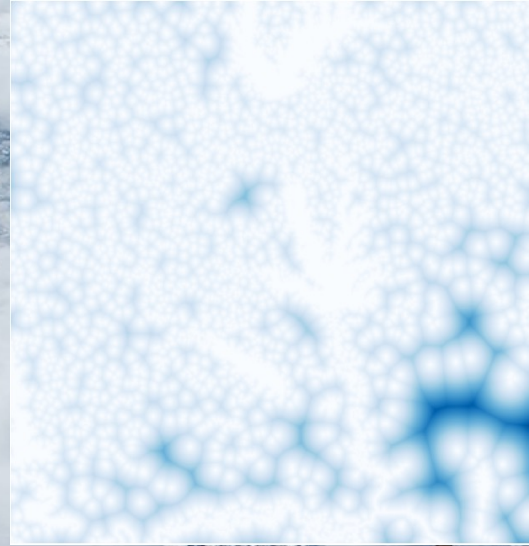
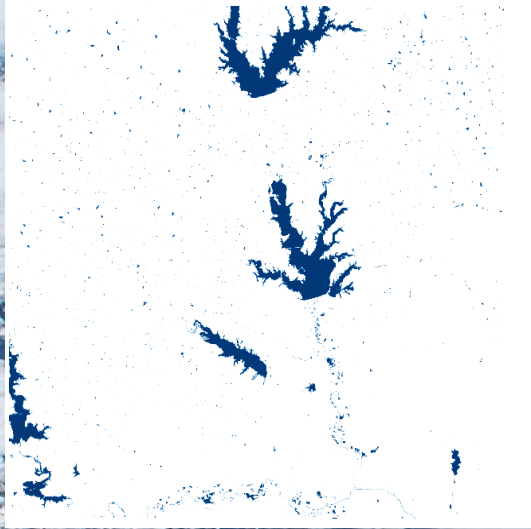


Today's Talk

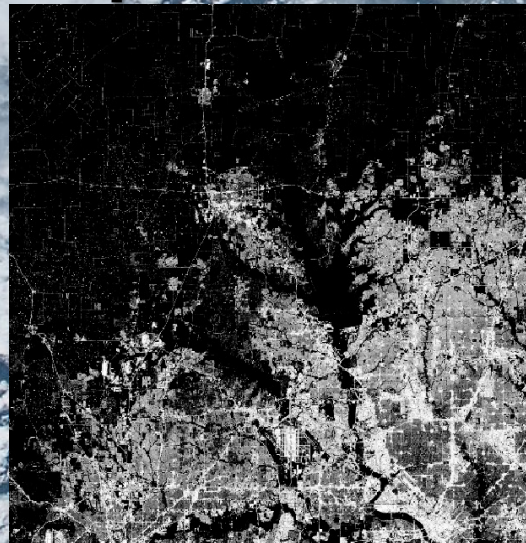
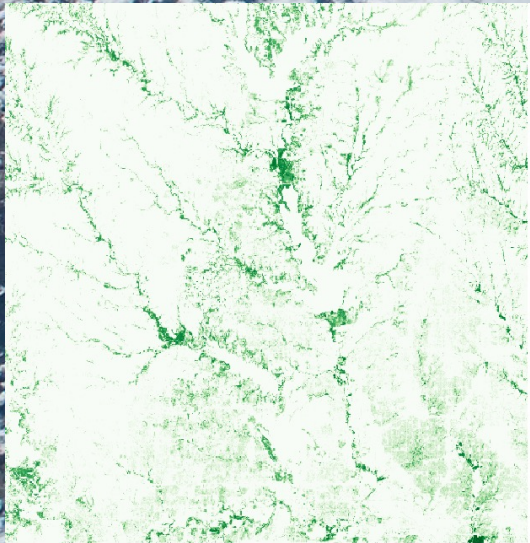
- Understanding Heat Vulnerability in Miami-Dade
- Engaging Stakeholders in Creating a Plan
- Overview of the Extreme Heat Action Plan
- Open discussion



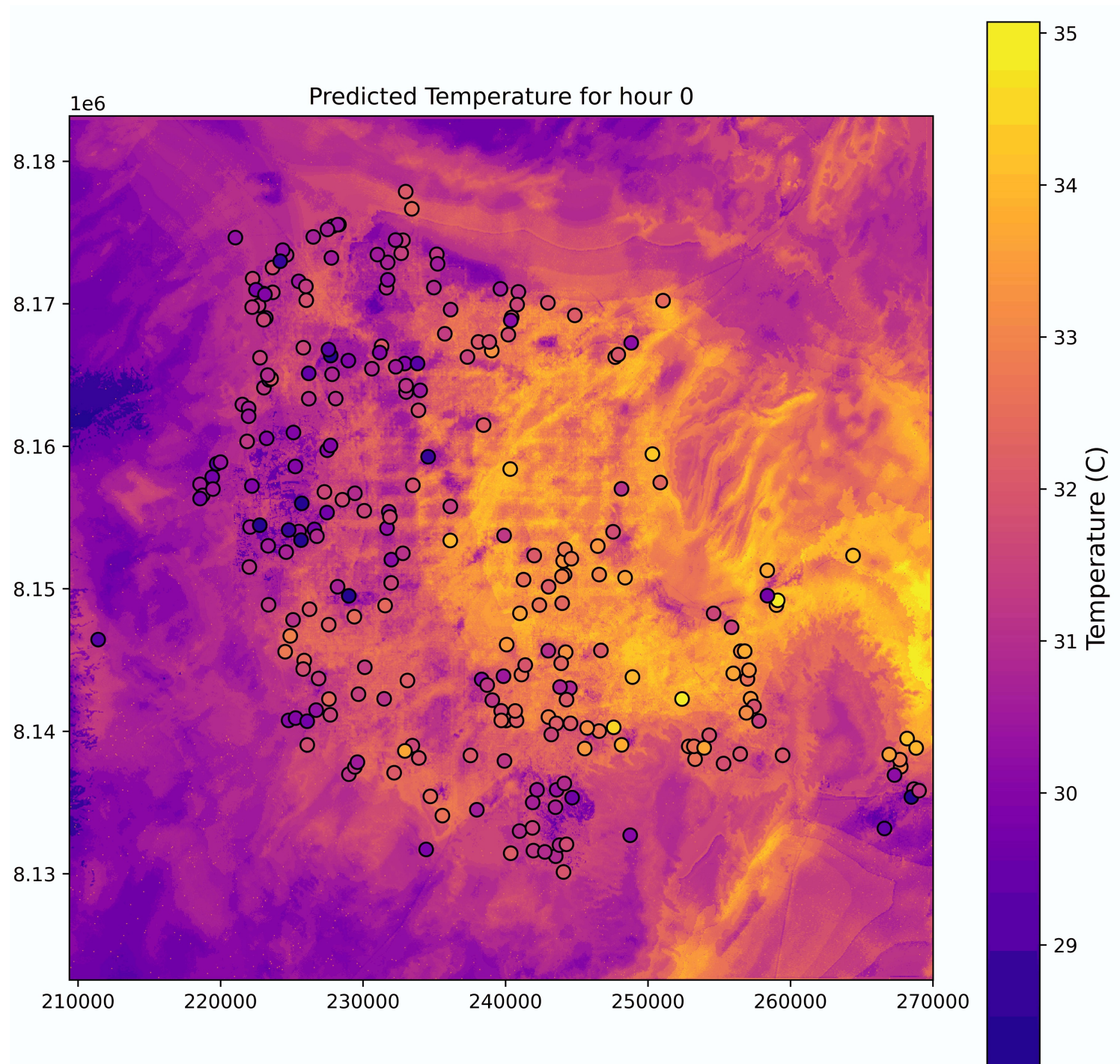
Water Coverage Distance to Water DEM



Tree Coverage Imperviousness Building Density



Credit: NASA





Heat Vulnerability Study - Populations at Risk in Miami-Dade

Hospitalizations

- % Living in Poverty
- % Mobile Homes

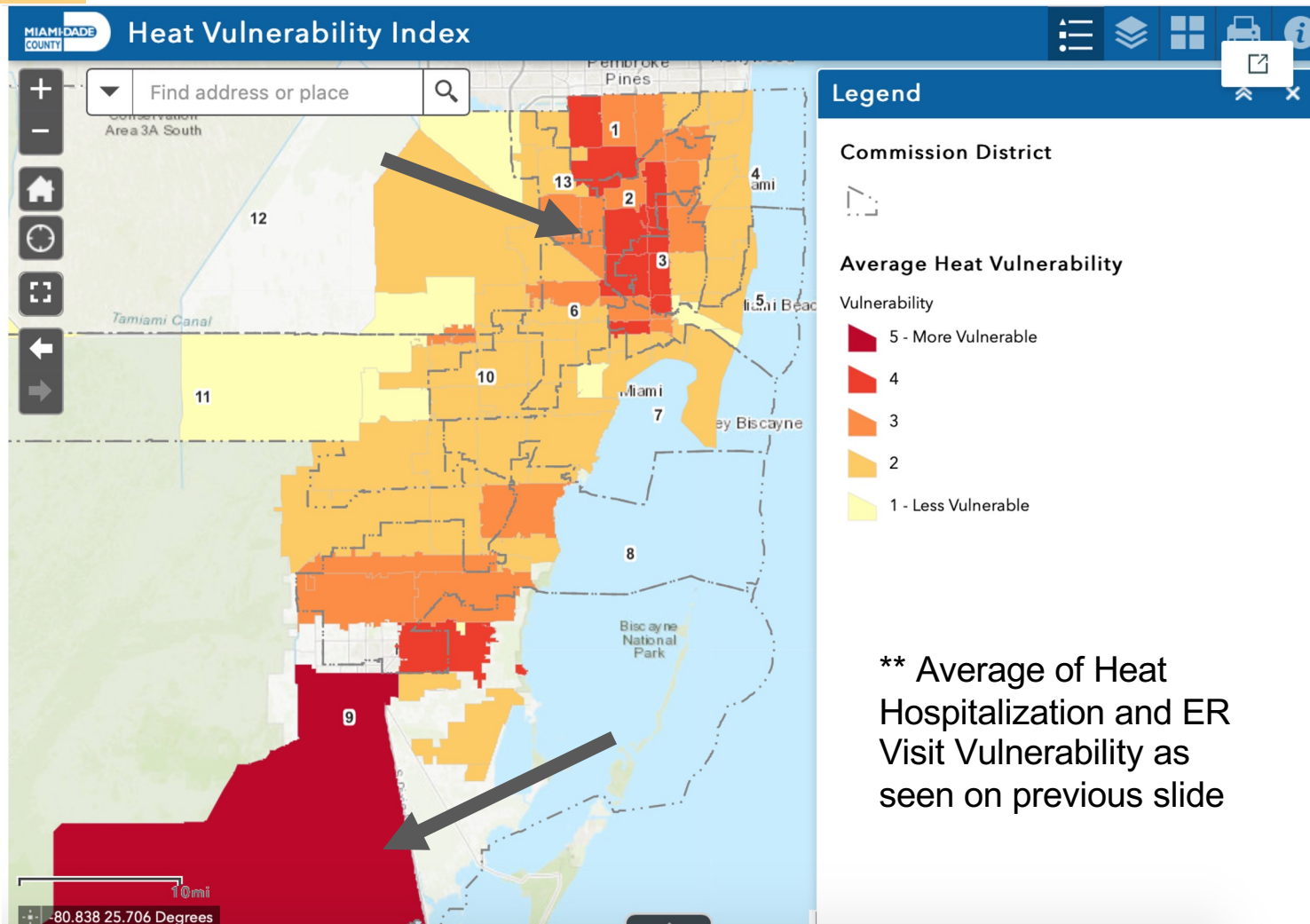
Emergency Department Visits

- Daytime surface temperature
- % Outdoor Workers
- % Age less than 18

Category	Description of Data	Provider
Health Outcome	Heat Related Illness Emergency Department	FDOH
	Heat Related Illness Hospitalizations	FDOH
Exposure	Land Surface Temperature	NASA
	% Impervious Surface	NLCD (2019)
Sensitivity	% Older Adults (age > 65)	US Census
	% Living Alone	US Census
	Children 0-5	US Census
	% Living in Poverty	US Census
	Household Income	US Census
	% Limited Language Proficiency	US Census
	% African American	US Census
	% Hispanic	US Census
	% Indigenous	US Census
	% Mobile Homes	US Census
	% High School Education	US Census
	% Outdoor Workers (Agr, Forestry, Fish, Mining, Construction)	US Census
	% Female Head of Housing	US Census



ArcGIS StoryMap: Vulnerability



- Interact with the Heat Vulnerability Index web mapping application to identify vulnerable zip codes in Miami-Dade
- Homestead, Florida City, Hialeah, Miami, Opa-Locka, and Miami Gardens



Miami-Dade County's Office of Resilience



MITIGATION	ADAPTATION	COMMUNICATION	BISCAYNE BAY	EXTREME HEAT	FUTURE READY	ZERO WASTE
Reduce sources of climate change	Address climate change impacts	Engage & connect stakeholders	Protect & restore	Implement heat risk reduction efforts	Plan & Implement	Minimize waste & consumption
						

Our primary resilience initiatives/office divisions



Climate & Heat Health Task Force

Goals:

- Prioritize short term actions
- Create framework for monitoring progress
- Recommend staffing & other resource needs for implementation
- Equitable representation
- Best available science

The Task Force will be made up of appointed members representing policy makers, scientific experts, and health care professionals as well as two citizen members who will ensure community voices are heard and lifted up in the formation of the heat plan.

<https://miamifoundation.org/extremeheat/>





MIAMI BEACH



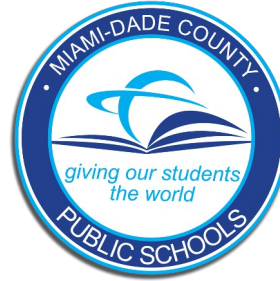
CATALYST
MIAMI



CITIES
NETWORK

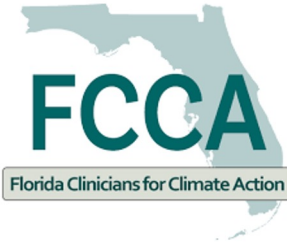


UNIVERSITY
OF MIAMI



FIU
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INTERNATIONAL
UNIVERSITY

Miami Dade
College



THE WOMEN'S FUND
MIAMI-DADE

cc Collaboration is a critical asset



Extreme Heat Action Plan

Goal 1: Inform, Prepare and Protect People

Goal 2: Cool our Homes and Emergency Facilities

Goal 3: Cool our Neighborhoods



Goal 1: Inform and Prepare People



- Heat Season Campaign – reached 2.8 million
- Heat Safety Trainings – for over 400 annually
- Updated NWS thresholds and response protocols – done and continuous improvement
- Outdoor Worker Protection - ongoing
- Urban Heat Research Group - ongoing





Goal 2: Cool our Homes and Emergency Facilities



- 1700 efficient AC units installed in public housing - done
- Increased funding for weatherization and NOAH rehabs - ongoing
- Education outreach – Brace for the Heat - ongoing
- Cool roof ordinance - done
- Indoor cooling standards – in process
- Resilience hub plan - plan released now seeking \$



Goal 3: Cool our Neighborhoods



- Doubled funding for tree planting with focus on equity – ongoing
- Urban Forestry Plan – almost done
- Bus shelter investments – in process
- Partnerships with schools and faithbased orgs
- Citizen science on UHI monitoring



Questions?

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www.miamidade.gov/heat



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