



Double Exposures: Socio-Ecological Vulnerabilities in the Miami-Dade Urban Region

- NSF's ULTRA Ex-Program
- \$350,000 for proposal development
- Research, Community Engagement, Student Mentorship, & Science Planning

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Miami's Double Exposure

The *double exposure* framework stresses the multiple interactions between global climate change and economic globalization.

We seek to analyze the linkages, feedbacks and synergies between these two global processes as they impact local communities.

Miami: “The Gateway of the Americas.”

- More than 150 US and foreign corporate regional (Latin American) headquarters
- 60% of all U.S. trade with Central America, 46% with the Caribbean, and 27% with South America
- 5th largest telecommunication center in the world

Miami's Development Gap

- Poverty rates more than 3% higher than the national average
- Third highest ranking U.S. metropolitan area in income inequality.
- Polarized wages: most highly compensated professions earn well above, while the lowest paid professions earn well below the national average.
- Florida ranks second in the nation in home foreclosures; Miami-Dade ranks among the top four Florida counties

Research Approach:

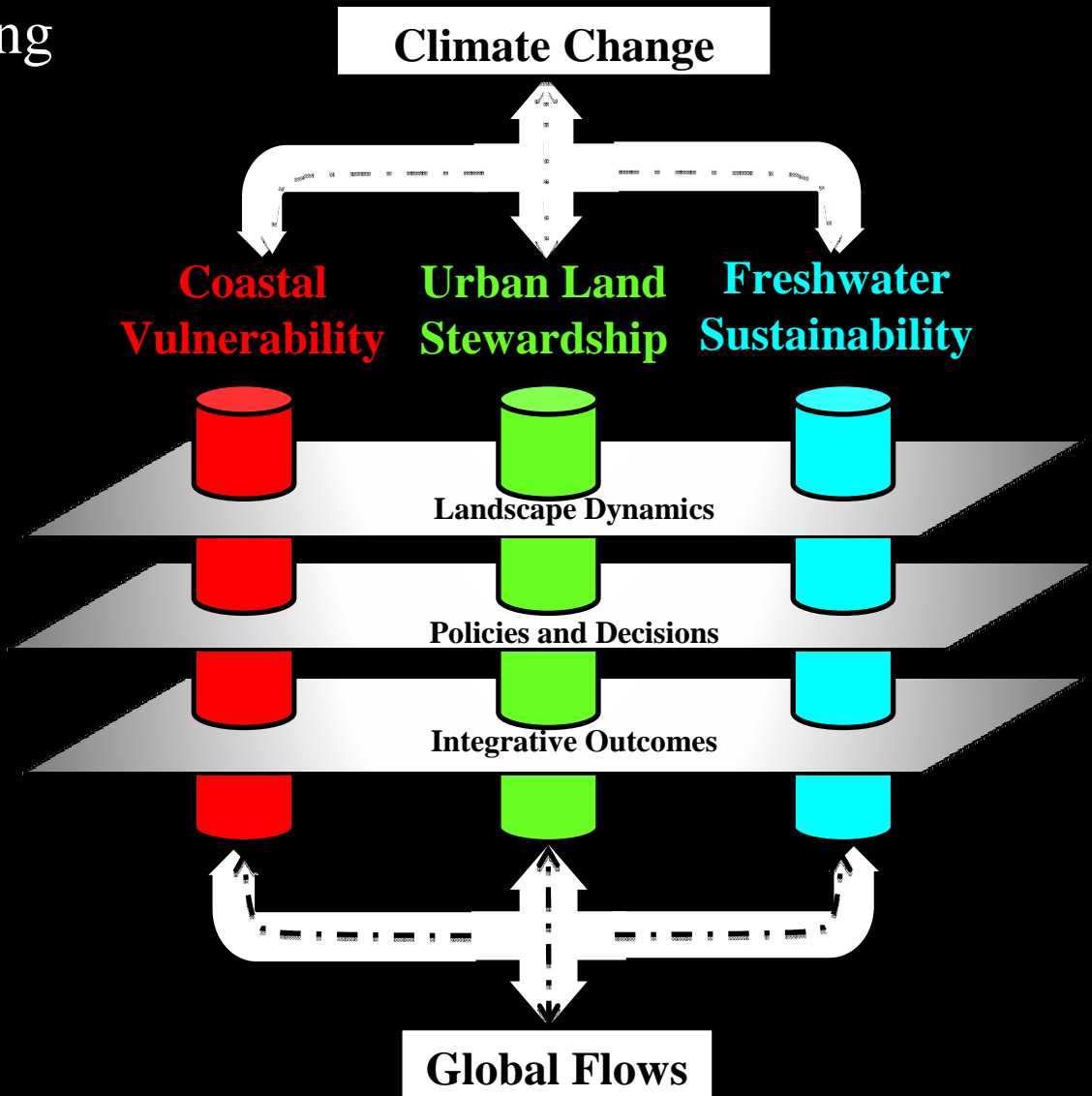
collaborative research bringing together diverse groups.

Three Research Areas:

Coastal Vulnerabilities

Urban Land Stewardship

Freshwater Sustainability



Miami in Global Context

