

BROOKINGS

QUALITY. INDEPENDENCE. IMPACT.

# Building Equity into Infrastructure

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**Carlos Martín, PhD**

**National Academies Marine Board Fall Meeting  
November 1, 2022**



# Historical Legacies





# Population Awareness

r County

Monroe  
County

Miami-Dade  
County

## Supplemental Planning Studies - South Florida

Miami-Dade County

- Dept. of Defense (DoD) Site Boundaries
- Miami-Dade County
- Cities and Towns
- Major Roads
- Federal Lands
- Florida Counties

0 5 10 Miles

Map: Miami County  
Developed By: Tammy Knacht  
Date: 9/28/2015

This study is focused on reducing the potential damages caused by coastal storms. The study will focus on improving safety and reducing the risk of damages to buildings and other infrastructure.

*The study authority is Public Law 84-71, June 15, 1955.*





# Inclusive Participation





Equal Access





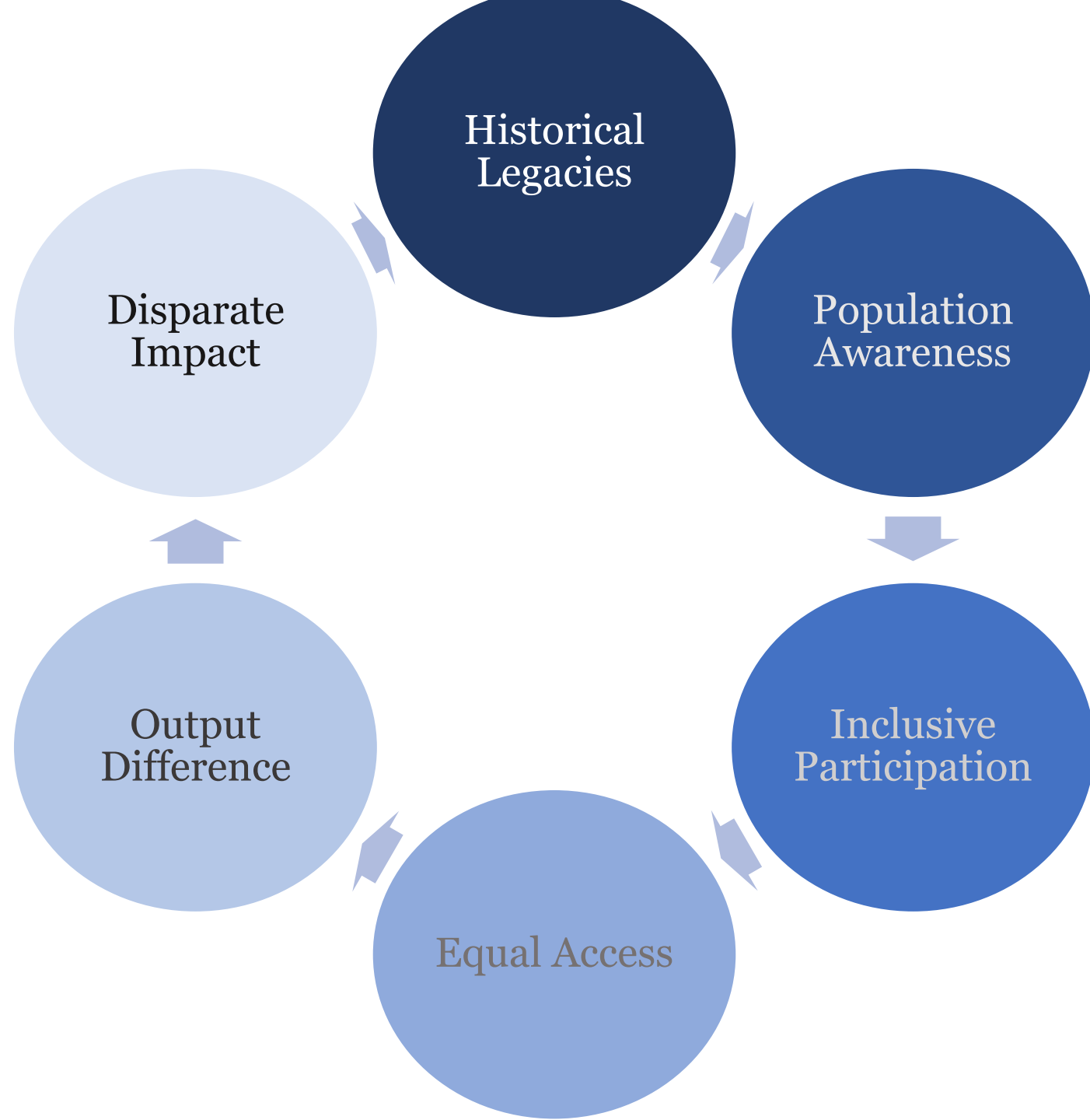
Output Difference





# Disparate Impact





# Antelope Valley 20-Year Vision

## Traditional Downtown



# Equitable infrastructure investment principles

- Investments should prioritize the most vulnerable, increase their capacity to partner in infrastructure, and reduce their access burdens
- Historical disparities from past policies and projects should be addressed in new infrastructure plans
- Community engagement, inclusive management, and transparency are necessary
- Decision-making tools' flexibility, criteria, and assumptions should increase, and qualitative tools added
- Techniques for estimating, monitoring, and evaluating distributional effects (benefits and costs) must evolve

