



- Position
  - ▣ **Associate Professor, School of Urban and Regional Planning, FAU**
  - ▣ Southeast Florida Regional Climate Change Compact Shoreline Resilience Working Group
- Research Interests
  - ▣ **Sea-Level Rise, Planning Approaches to Shoreline Stabilization, Coastal Resilience**
- Why Florida...
  - ▣ Remarkable level of collaboration among multiple agencies and stakeholders

# DM Research Projects

## □ Current projects

### □ **The Nature Conservancy – [coastalresilience.org](http://coastalresilience.org)**

- Spatial Database of 1,500 shoreline features which include natural habitats as well as shoreline restoration, enhancement and stabilization projects.
- Next step: building a decision support tool

### □ **NASA SAR**

- Evaluation of Shoreline Changes Using LiDAR and InSAR Data

### □ **Kresge Foundation**

- Impacts of Sea Level Rise on Public Health in Southeast Florida (with C. Polsky, L. Berry, F. Bloetscher and the FL Institute for Health Innovations)

## □ Past projects

- USGS, Sea Level Rise Vulnerability Framework for USGS Ecosystem Portfolio Model (with Bill Labiosa, W.B. Forney, A-M Esnard, et al. 2012)
- FAU Environmental Sciences Everglades Fellowship Initiative, *Seasonal Flushing of Oil and Grease from Urban Runoff to the Biscayne Bay Aquatic Preserve* (with Jaap Vos)
- *A SUS Climate Change Task Force: Science addressing the needs of Florida Agencies, Industry and Citizenry* (Lead co-author with Len Berry and Marguerite Koch-Rose)

