

Sea Level Rise Vulnerability Framework for USGS Ecosystem Portfolio Model

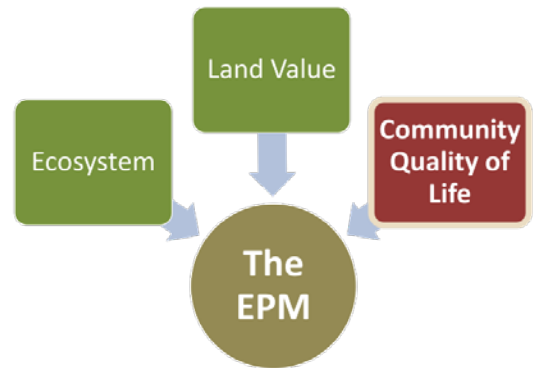
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Personnel

Principal Investigators: Ann-Margaret Esnard, Ph.D. & Diana Mitsova, Ph.D.
Collaborators (USGS): William Labiosa, Ph.D. & Will Forney, MEM
Sponsor: United States Geological Survey (USGS)
Research Assistants: Marta Vicedo

Project Description

In response to ongoing land development trends in Miami-Dade County, the USGS has developed a prototype of a South Florida Ecosystem Portfolio Model (EPM). This GIS-based, web-enabled assessment tool can be used to evaluate the impact of land use plans and proposed changes on South Florida's ecosystem. The EPM integrates ecological, socioeconomic and quality of life values to determine the cumulative effects of land use/land cover decisions, and to provide indications of probable outcomes from differing prioritization scenarios.



While the model's primary audience is scientists, resource managers and related personnel, the EPM is also relevant to a broader range of users (e.g. planners, emergency management, developers, and environmental groups).

FAU Lab Tasks



Our investigators are currently refining the Community Quality of Life subset of the EPM. Within the Quality of Life parameters, special focus is being given to sea level rise scenarios in order to effectively support decision making on issues such as sea level vulnerability, flood risk, and hurricane evacuation time.

For more details please visit:
geography.wr.usgs.gov/science/sFloridaPM.html