

## Tree Island Ecology: Advances on Ecological Restoration

Carlos Coronado-Molina    SFWMD  
Michael S. Ross            FIU

Greater Everglades Ecosystem Restoration GEER 2015  
Science in Support of Everglades Restoration  
April 21-23, 2015  
Coral Springs, FL USA

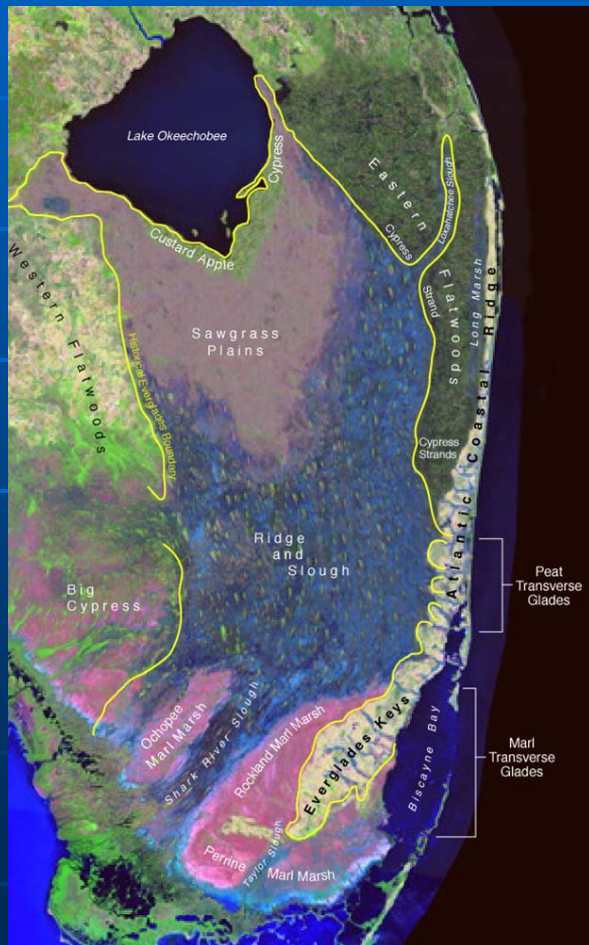
Objective:

Synthesize current understanding of Physical and biochemical processes that contributes to Tree Islands Dynamics within the Greater Everglades Ecosystems

Topics:

- Plant responses to hydrologic variability
- Historical use of Tree Islands
- Surface-groundwater interactions
- Landscape Level Response to Climate Change

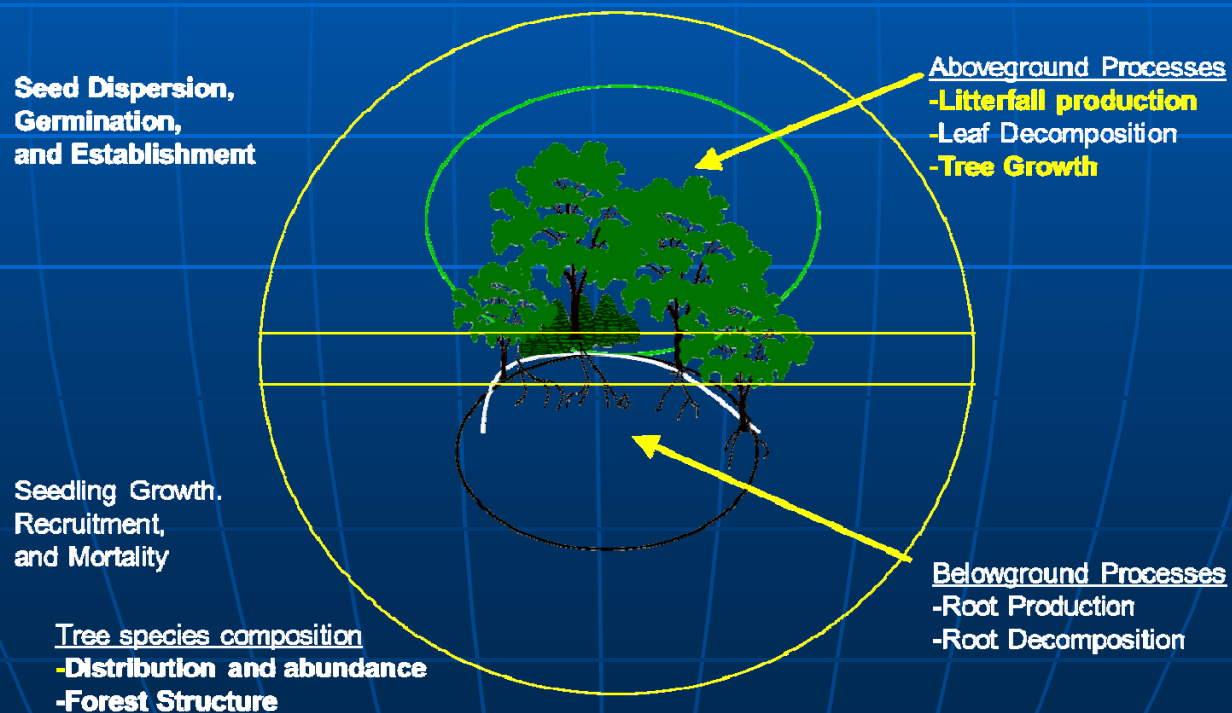
# Tree Islands and the Last 5000 Years of Human Occupation by Daniel Hughes USCOE



# Litterfall and Tree Growth Dynamics in Pristine and Degraded Tree Islands in WCA-3A: The Importance of Ecological Functions on Tree Islands

By  
Carlos Coronado-Molina SFWMD

## Biological and Ecological Processes on Tree Islands

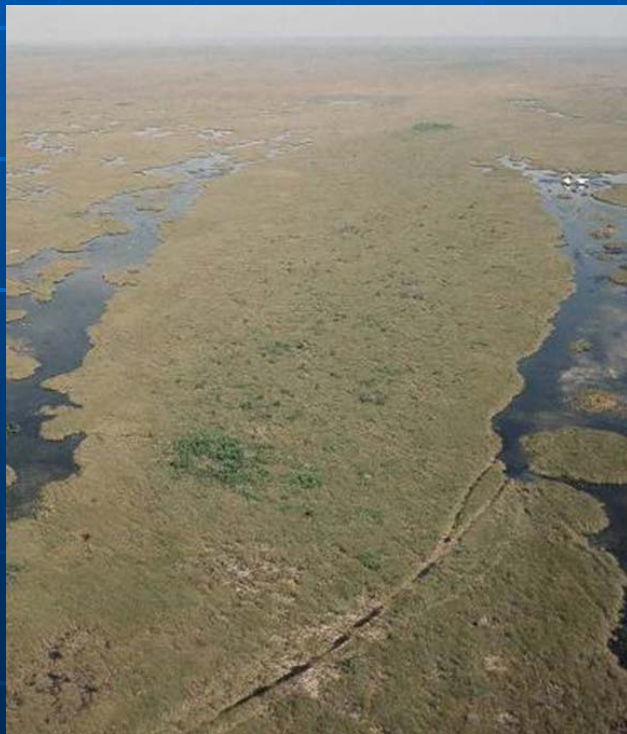


# Did Flooding Kill the Ghost Tree Islands? Evidence from Healthy Everglades Tree Islands and the LILA Experimental Platform

by

Susana Stoffella FIU

Ghost Tree Island

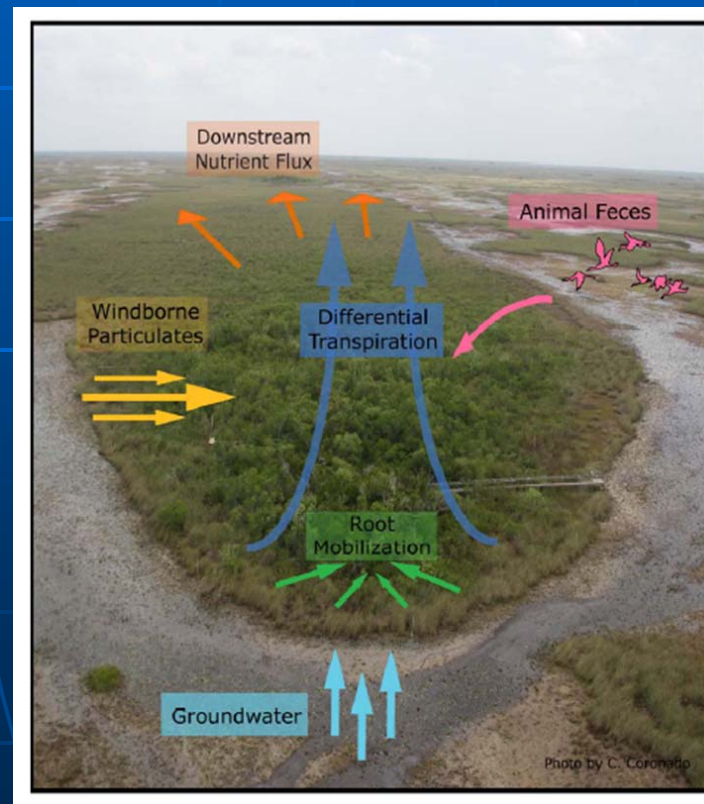


LILA



# Integrating Tree Island Metrics to Understand Potential Mechanisms for Past Degradation and Future Restoration

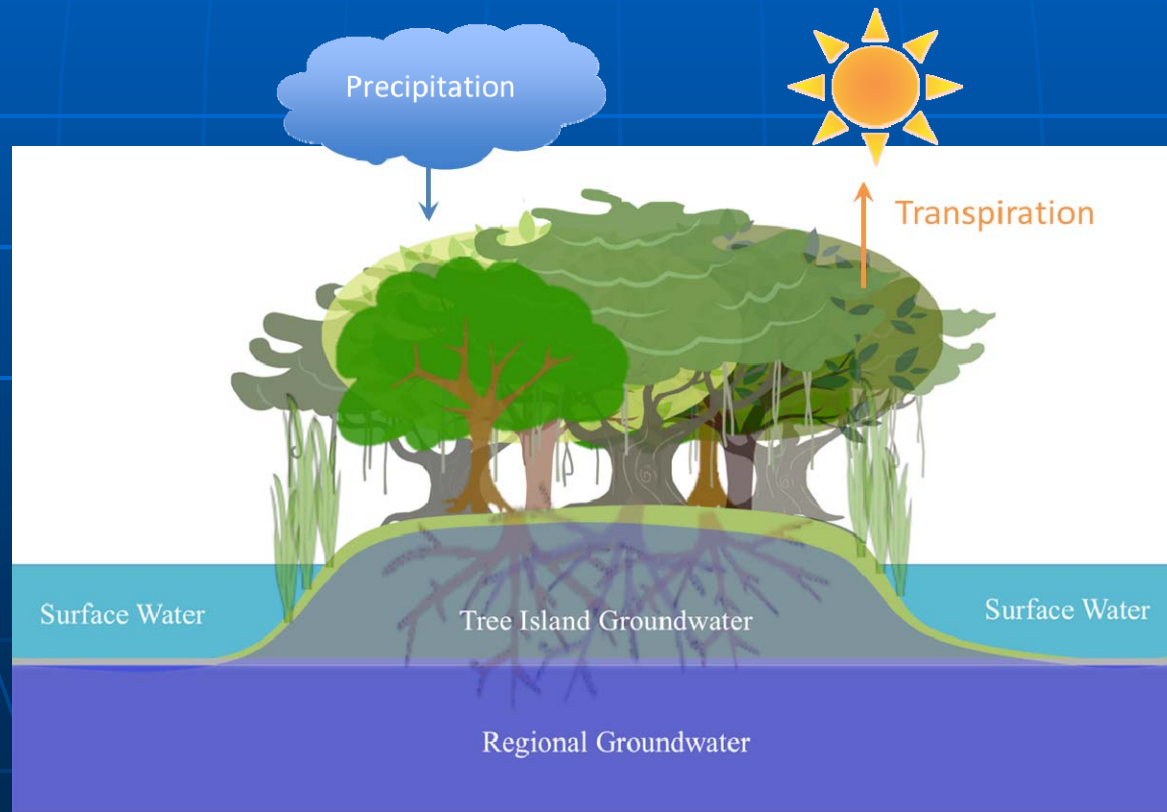
by  
Tiffany G. Troxler FIU



# Hydrogeochemical Response of Experimental Everglades Tree Islands: Identifying Feedback Mechanisms Associated with Early Tree Growth and Differing Geological Material

by

Pamela L. Sullivan University of Kansas



# Metacommunity Structure of Hardwood Hammocks of the Everglades and Florida Keys

by  
Michael Ross FIU

## Hardwood Hammock Dynamics

