www.simGlades.org Open Source Eco-Modeling A wobsite for sharing Ecologic

A website for sharing Ecological Modeling information

South Florida Natural Resources Center Everglades National Park

NATIONAL PARK SERVICE

Leonard Pearlstine, Janice Holly Lynch, Alicia Lo Galbo

Collaborative Modeling

simGlades.org is a South Florida Natural Resources
Center portal for research & development. It promotes
continual improvement of National Park Service
ecological models through communications with a
larger community of users and programmers.
simGlades.org facilitates rapid dissemination of indevelopment code and applications for testing,
collaborative modeling, and peer-review from a
broader scientific community.



Transparency of Methods

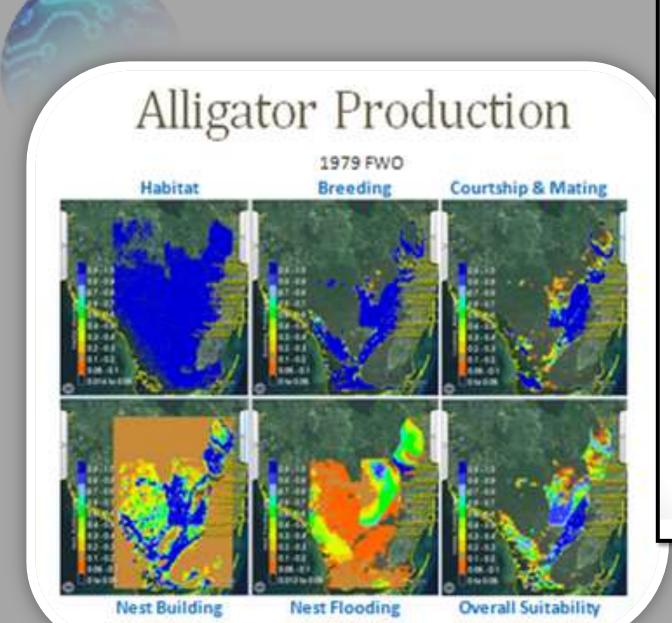
Downloadable applications and full source code

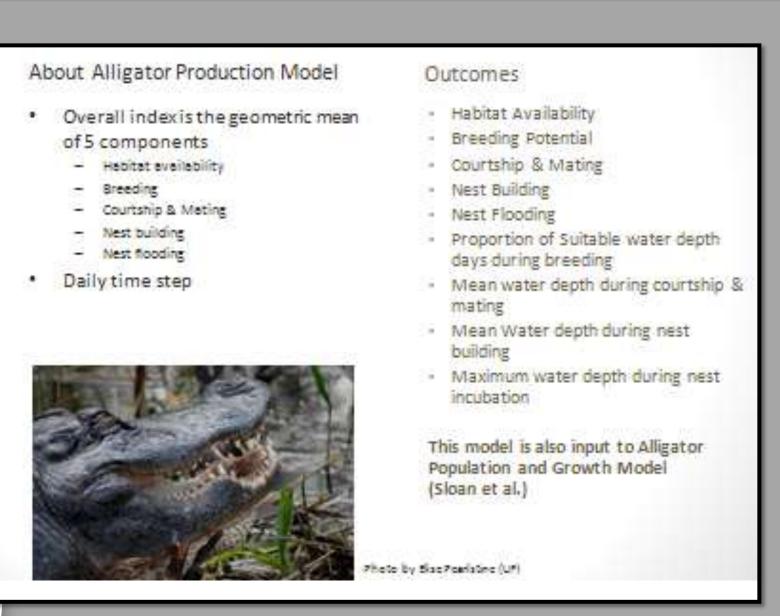
Model development workshop notes and Design Documents

Model reports, metadata, User's Guides, slide presentations

Downloadable example input, parameter and output files

Models, Applications, Tools



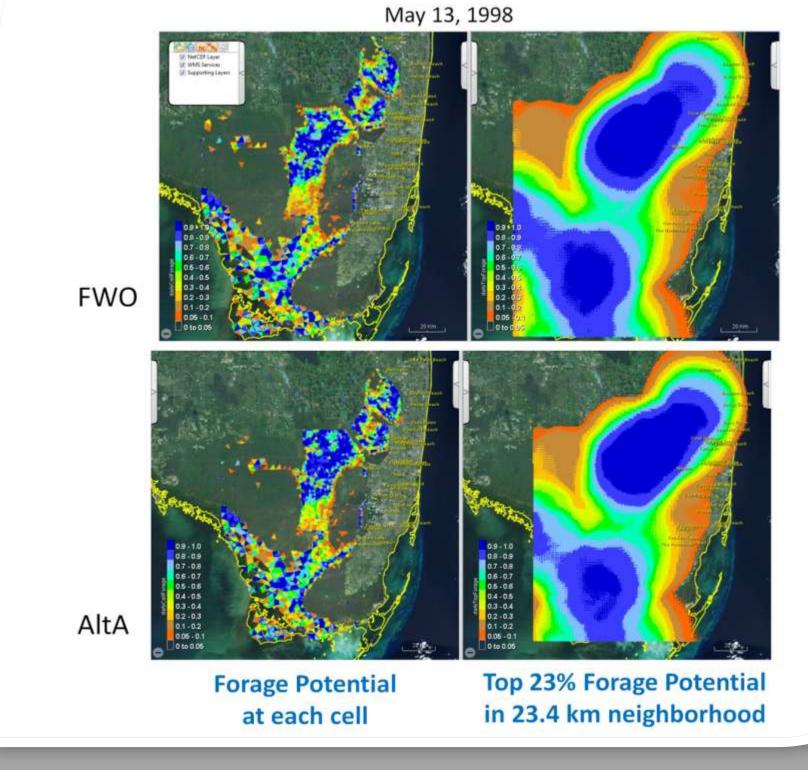


In progress and completed
Ecological Models:
Design and User Docs,
Applications, and Source
Code

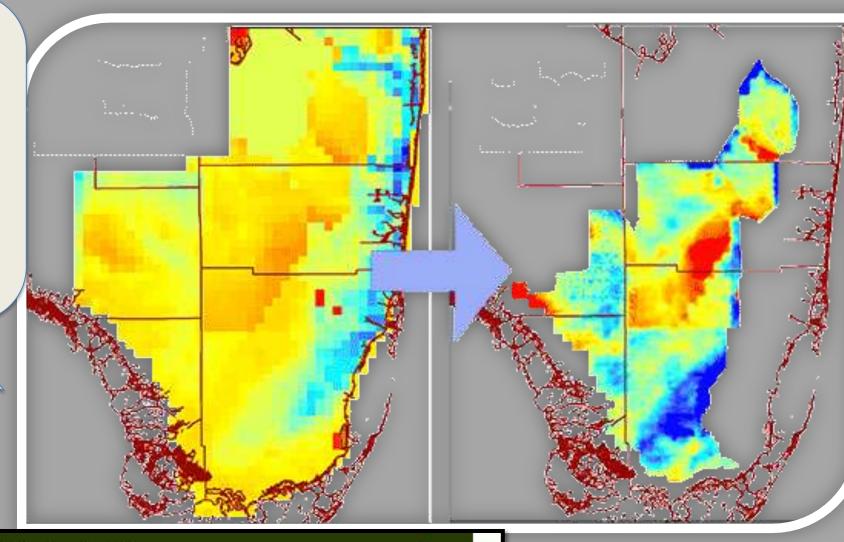
Everglades Landscape Vegetation
Succession Model (ELVeS)
layers can be utilized as a
dynamic component of other

Mulhenbergla Wet Prairle

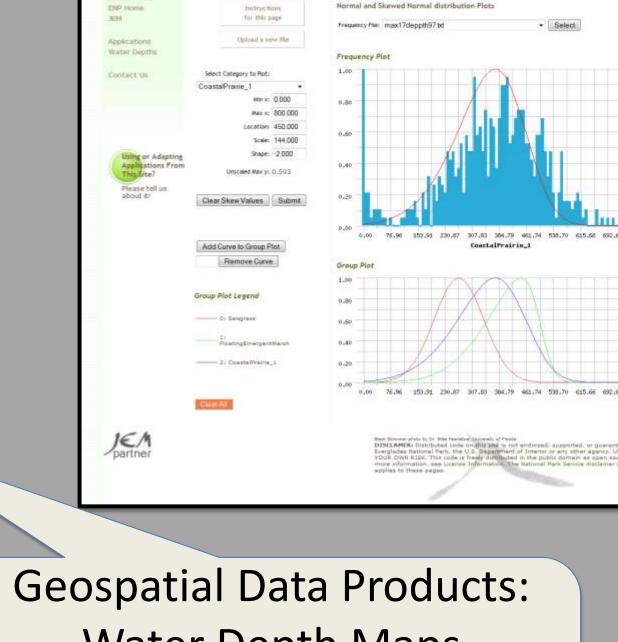
WoodStork Forage



Utility: Water Depth
Estimation Routine
WaDER++
2º miles to 500²
meter resolution



Wildlife Models



Utility: Online
Interactive Skewed
Probability
Distribution Plotting

Geospatial Data Products:
Water Depth Maps
developed from real-time
field data

