

# Novel Ecosystems: Ecosystem Restoration and Management (Part 2 of 3)

Wiley Kitchens, Moderator

**1:40 Joel Trexler**, Does the Everglades still exist? \*

**2:00 Wiley Kitchens**, Refugia in a Novel Ecosystem: Everglades Snail Kite in Florida \*

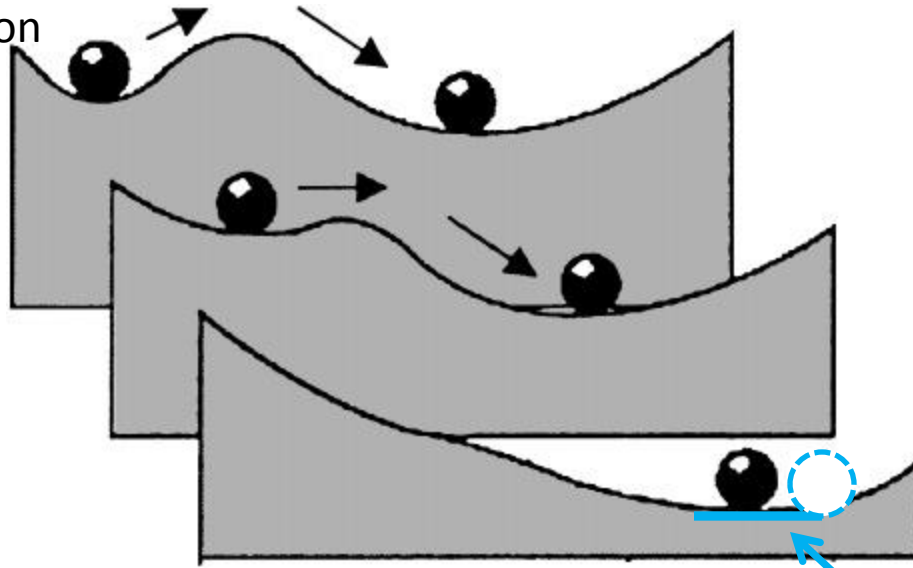
**2:20 Peter Frederick**, Effects of Novel Water Regimes, Invasive Predators, and Contaminants on Population Dynamics of Wading Birds in the Everglades \*

**2:40 Sue Galatowitsch**, The Potential Effect of the Novel Ecosystem Concept on Wetland Restoration Planning and Evaluation ^

\* = Florida/Everglades centric

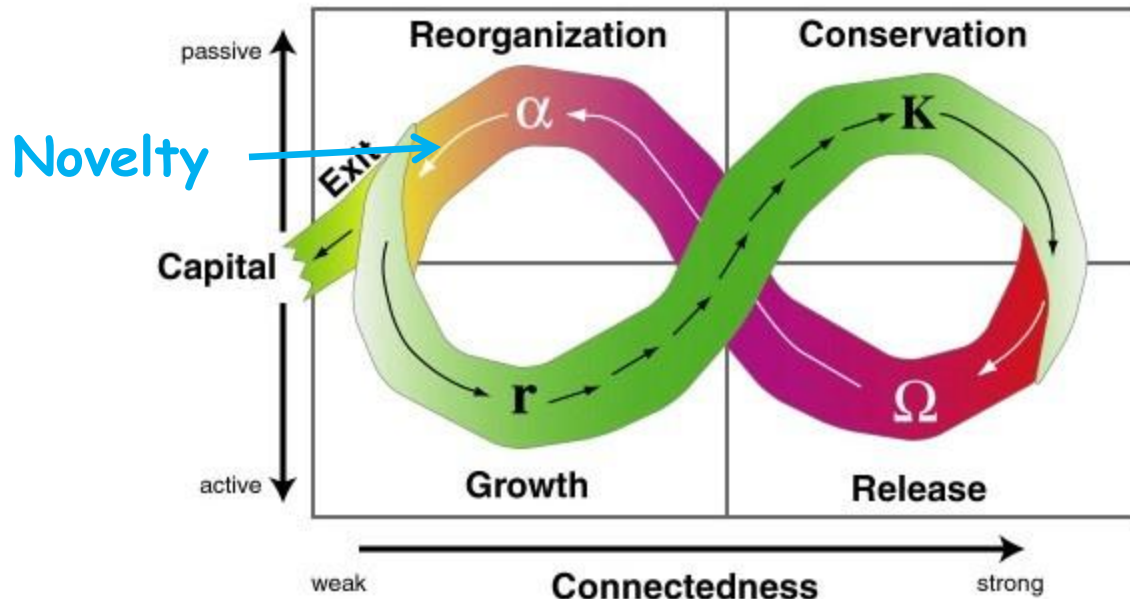
^ = Global

Adapted from Gunderson  
Scheffer and Holling



Ball and cup heuristic  
"Multiple stable states"

Novelty



Novelty= uncertainty and  
surprises in stable states?

Panarchy