Counting Fish & Mapping Their Benthic Habitats

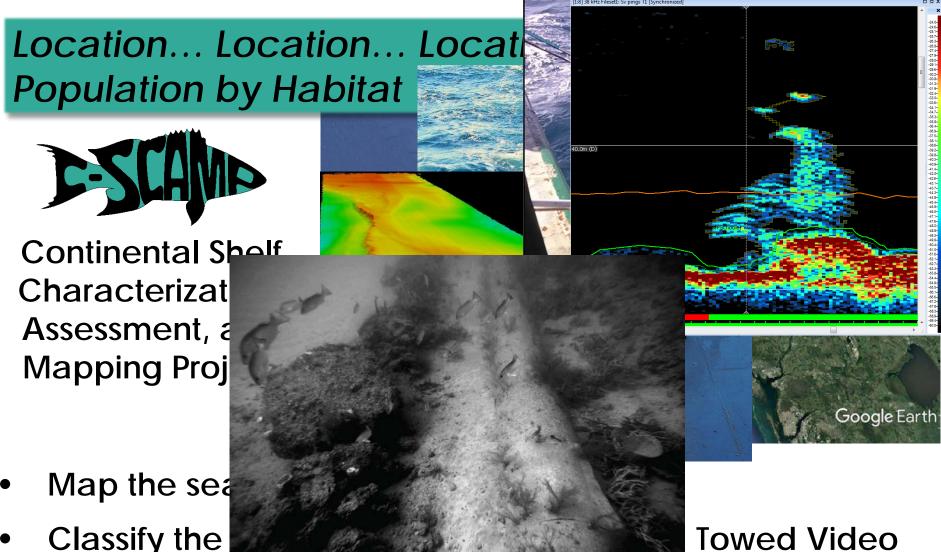
Chad Lembke
University of South Florida

"Managing fisheries is hard: it's like managing a forest, in which the trees are invisible and keep moving around."

- Dr. John Shepherd







- Classify the

Count fish - Towed Video & Water Column Sonar

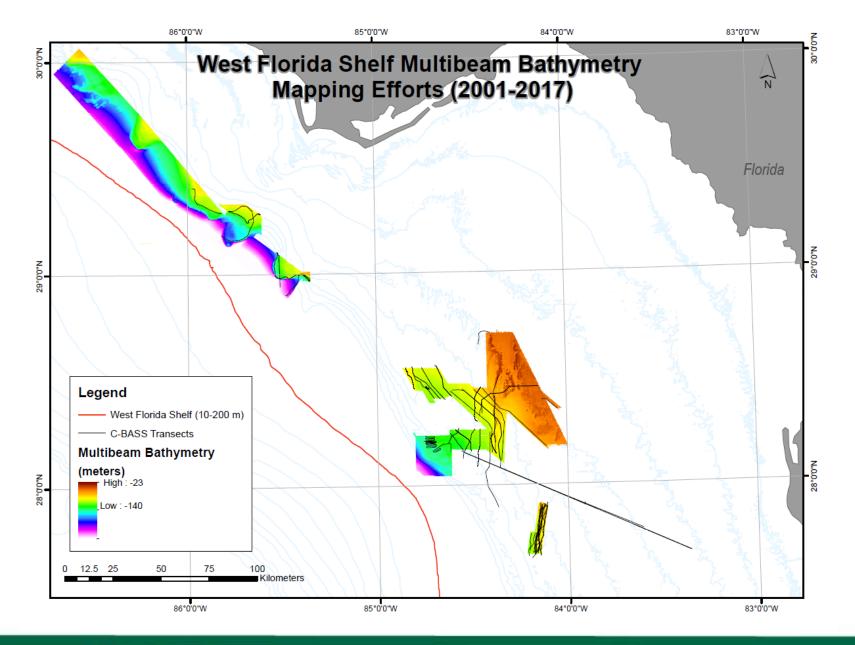












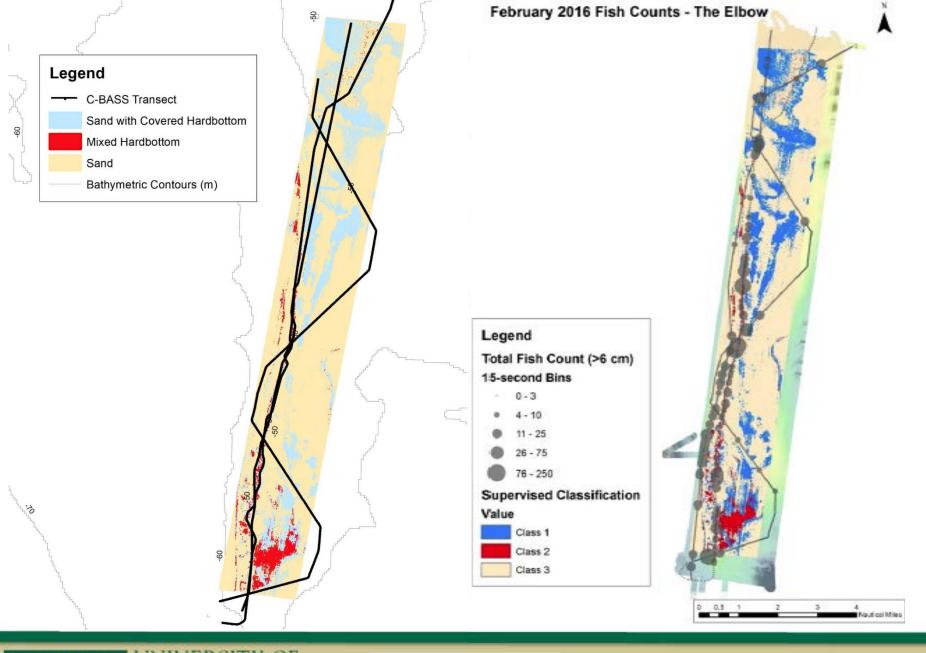




















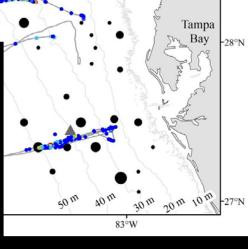


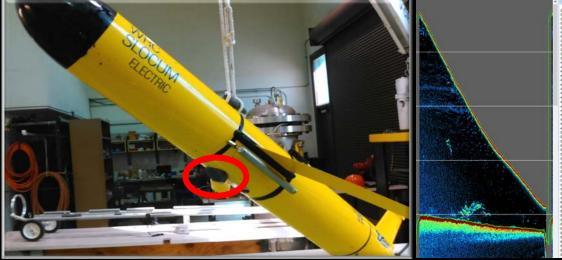
Can Robots Count and Track Fish...

Robust and relia glider days in But lets add

Underwater gliders are autonomous vehicles that profile vertically by controlling buoyancy and move horizontally on wing







Passive Acoustic Recorders

- Tag Telemetry
- Fisheries Echosounders

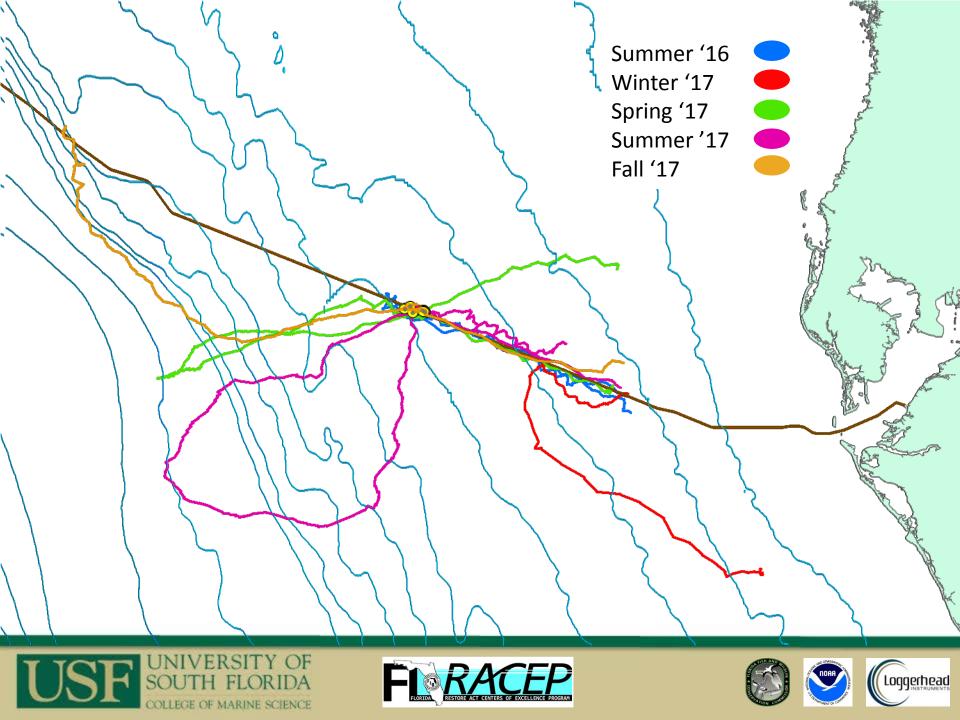


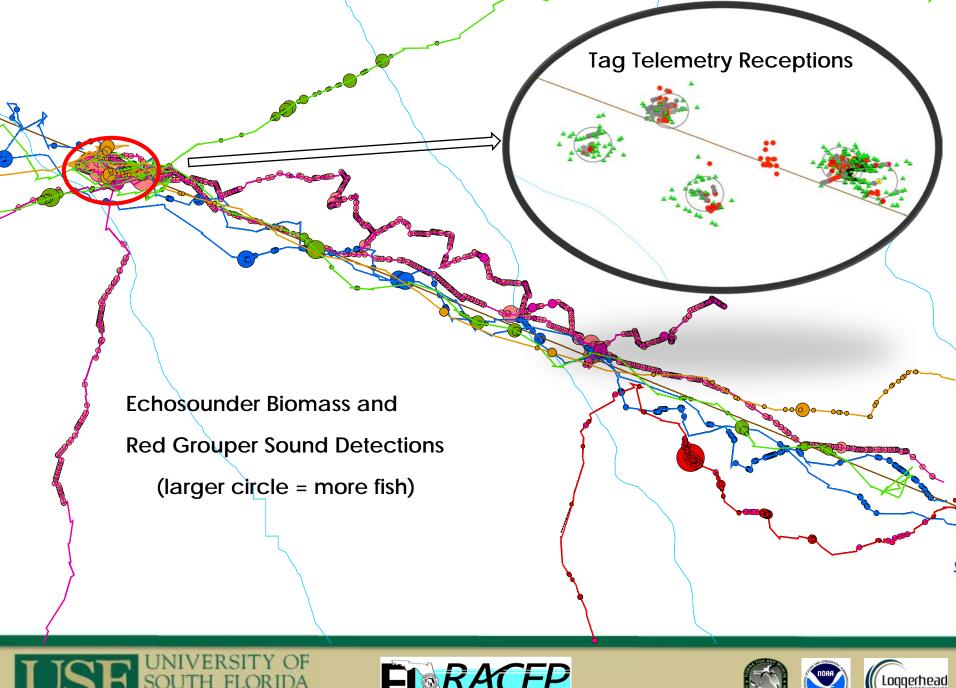






















Paths Forward:

If these work... making them operational Automation... From data collection through analysis

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