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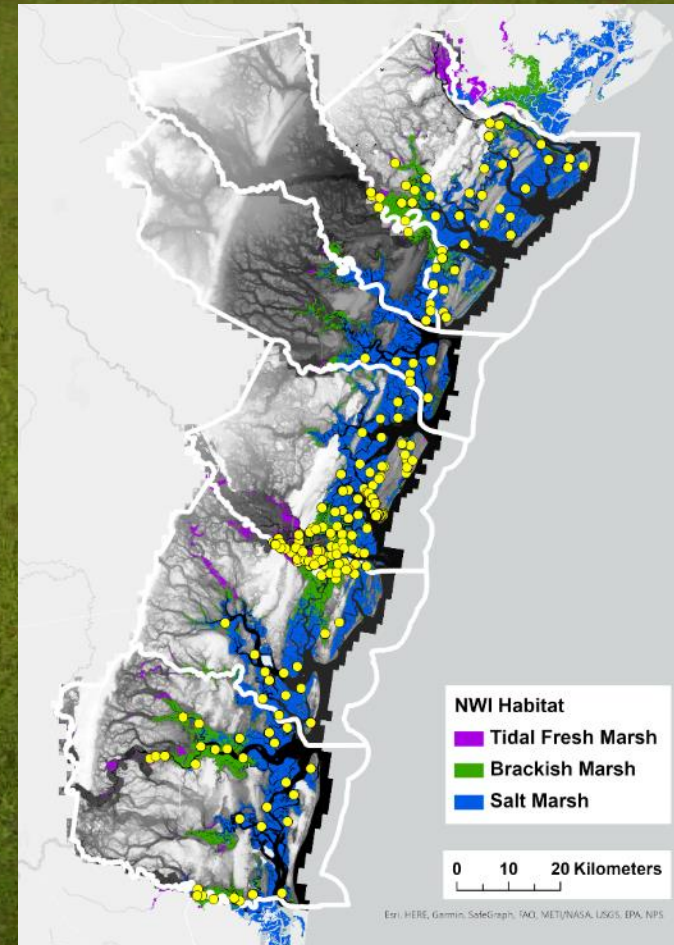
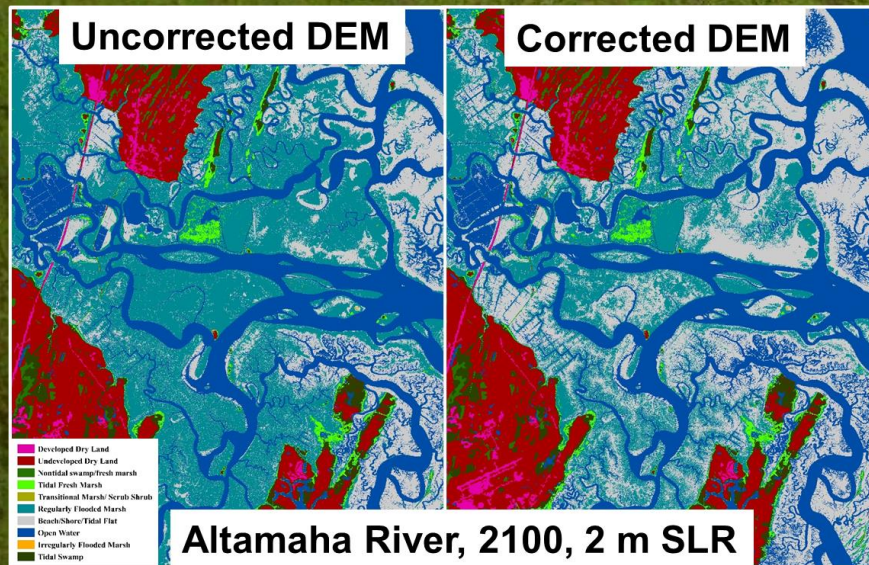
## Geospatial analyses of coastal habitats

- Create accurate maps of coastal habitats and elevation using remote sensing data
- Develop techniques to monitor wetlands
- Predict climate change effects



# Research Theme 1: Elevation

- Effects of elevation on tidal marshes and forests
- Accuracy of LIDAR
  - Correct DEMs in tidal wetlands
  - SLR modeling & habitat shifts
  - Coastal resiliency



LIDAR-DEM of Georgia tidal marsh and RTK ground control points used to assess DEM elevation accuracy

# Research Theme 2: Classification and Mapping

## Map coastal habitats

- Tidal marsh and tidal forest classification
- Thin layer placement (TLP)
- Monitor habitat change

