



### About the Program

- ◇ Old Dominion University, Mitigation and Adaptation Research Institute: Graduate Conservation Leadership Certificate Program
- ◇ The Program has a research agenda in conservation under climate change and sea level rise
- ◇ The internship includes working at the park to learn the intricate details of how the park is managed and completing a case study.

### About the Internship

- ◇ First Landing State Park is located in Virginia Beach, Virginia along the Chesapeake Bay.
- ◇ The internship worked alongside park rangers and other staff to learn the intricate details of the how the park functions.

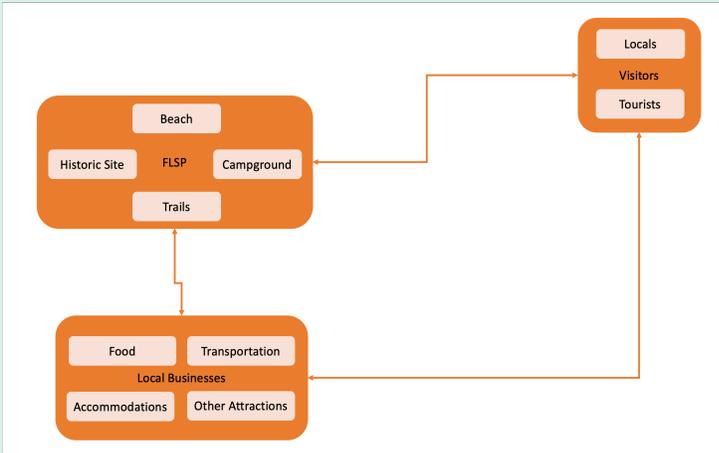
### The Case Study

Climate Change and Sea-Level Rise: Potential Impacts on the Socio-Economic Role of First Landing State Park for the Region

### The Wicked Problem

- ◇ Assesses the impacts of climate change and sea level rise to address the potential impacts of the socio-economic role of the park for the Virginia Beach region.
- ◇ The system of Virginia Beach and FLSP includes an economic balance that is fragile to societal changes threatening the park and community.

### The System

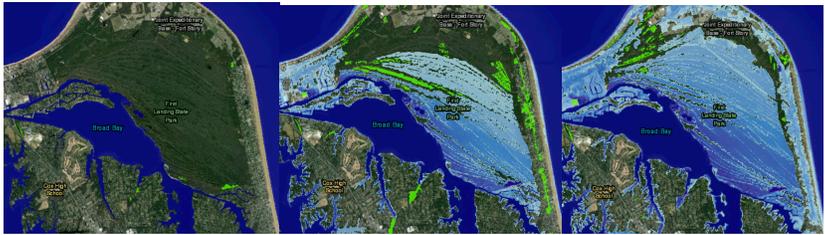


### The Goal

To maintain FLSP’s natural land while providing educational and recreational activities for locals and tourists in order to maintain FLSP’s socio-economic role in the community.

### Fragilities and Hazards

- ◇ FLSP and local businesses are fragile to losing attraction and closure
- ◇ Tourists are fragile to their desire and ability to travel
- ◇ SLR is a hazard that will happen
- ◇ Changing social pressures is a hazard
- ◇ Economic growth and economic recessions are hazards



### The Foresight

- ◇ FLSP and Virginia Beach will become inundated from the sea
- ◇ Economic growth and economic recessions are

### The Recommendations

- ◇ The recommendations made to First Landing State Park to address the impacts of climate change and sea level rise to address the potential impacts of the socio-economic role of the park for the Virginia Beach region.
- ◇ It is recommended that the Virginia Department of Conservation and Recreation and First Landing State Park:
  - Allow natural inundation to occur and use this natural process as an educational experience
  - The VDCR utilize current social media outlets to encourage tourism
  - FLSP works with an NGO to create a virtual community platform to facilitate knowledge sharing.
  - Take the virtual intervention of creating a new virtual space and include a membership fee for some of the content or costs for virtual programming.
  - FLSP allow and encourage local businesses to host booths on the park property to sell food or merchandise