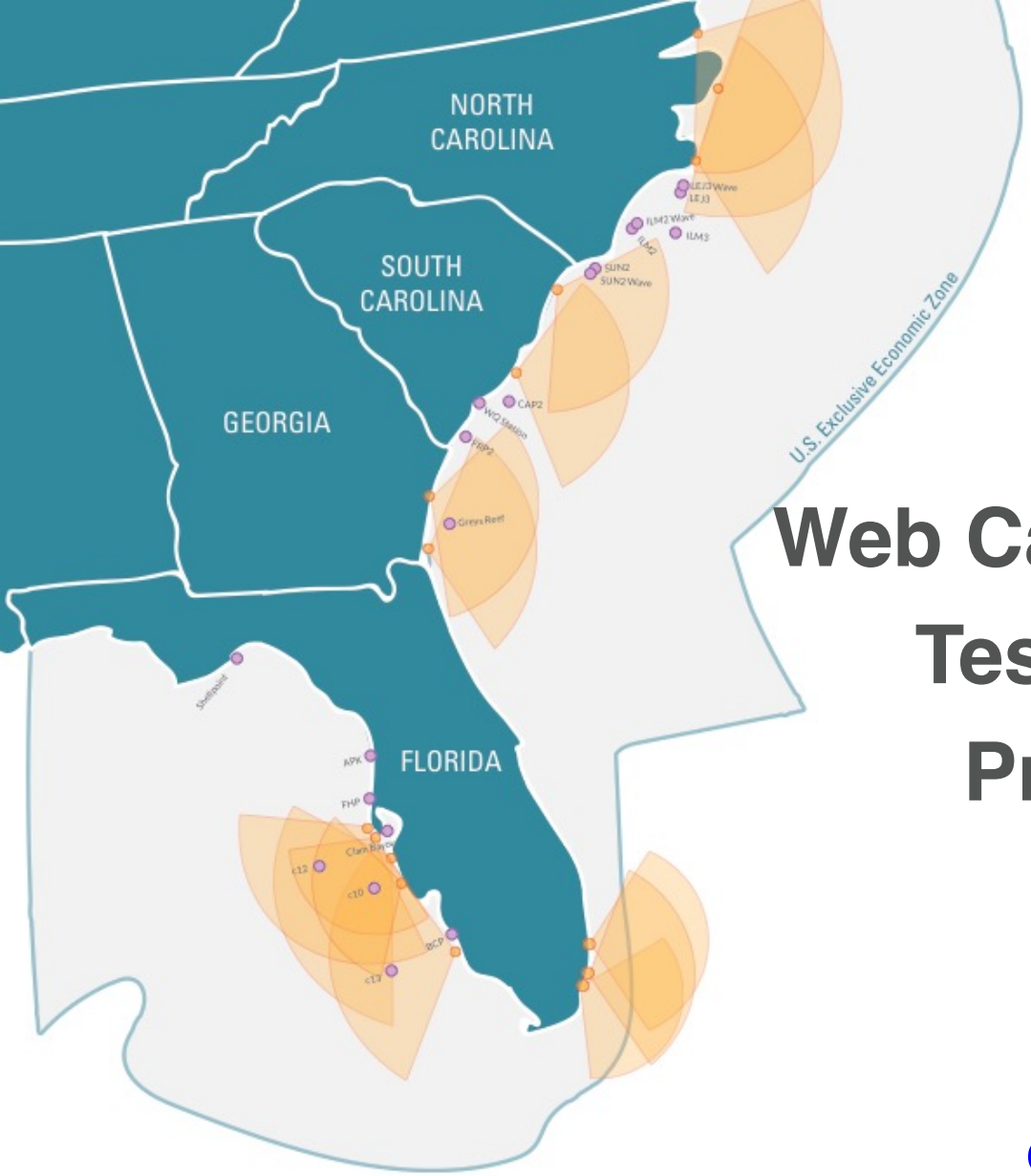
Web Camera Applications Testbed (WebCAT) Project Webinar

Debra Hernandez, SECOORA
Mark Willis, Surfline
Joseph Long, USGS

Dwayne Porter, USC
Greg Dusek, NOAA NOS

Conference Phone Number: **866.740.1260** | Access Code: **6966837**



10-Year Anniversary

SECOORA

Web Camera Applications Testbed (WebCAT) Project Webinar

Debra Hernandez

SECOORA

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IOOS Integrated Ocean Observing System

www.secoora.org

Agenda

- Overview of Project - Debra Hernandez, SECOORA
- Surfline Involvement - Mark Willis, Surfline
- Various Applications of Camera Data
  - Wave Run Up - Joseph Long, USGS
  - NOS and NWS Rip Currents and High Tide Flooding - Greg Dusek, NOAA National Ocean Service
  - Human and Animal Use Data - Dwayne Porter, USC
- Questions

WebCAT Project

- Funding by NOAA NOS and IOOS
- One Year Project
- Meet the needs of:

Preparedness and risk reduction

Safe and efficient transportation and commerce

Stewardship, recreation, and tourism

Images credited to NOAA NOS

Project Team

IOOS
Integrated Ocean Observing System

National Oceanic and Atmospheric Administration
NOAA
U.S. Department of Commerce

National Ocean Service
NOAA
Center for Operational Oceanographic Products & Services
CO-OPS

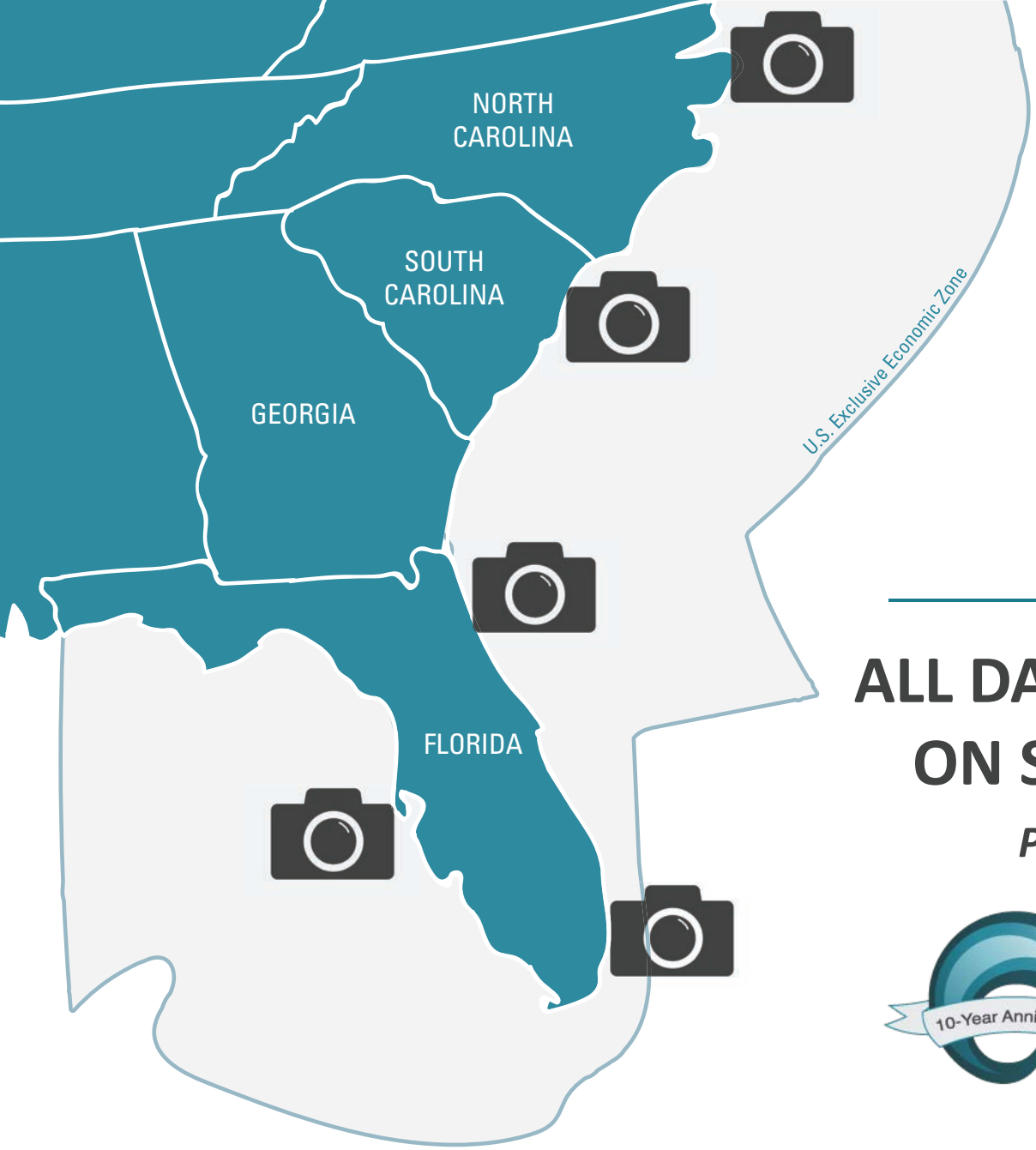
Axiom
DATA SCIENCE

10-Year Anniversary
SECOORA
Southeast Coastal Ocean Observing Regional Association

National Weather Service

National Estuarine Research Reserve System

Surfline
KNOW BEFORE YOU GO



5 CAMERAS TO BE INSTALLED

1 YEAR OF DATA

ALL DATA TO BE AVAILABLE ON SECOORA WEBSITE

PORTAL.SECOORA.ORG

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Southeast Coastal Ocean Observing Regional Association

Accessing the Camera Data

- Video data will be processed nightly by SECOORA and made available the next day (cameras record about 5am to 9pm)
- Data will be available in one hour lengths and will be downloadable / watchable from the SECOORA Portal
- Data will be available through the SECOORA Research Workspace for analysis using Python and R through Jupyter Notebooks.
- Axiom is working on special-case data lengths and formats - ie "a week long video of the top 10 minute of each hour" or "the 10 minutes surrounding the highest and lowest tides for the day"

Axiom DATA SCIENCE

Question to Audience: What format do you find useful for analysis?

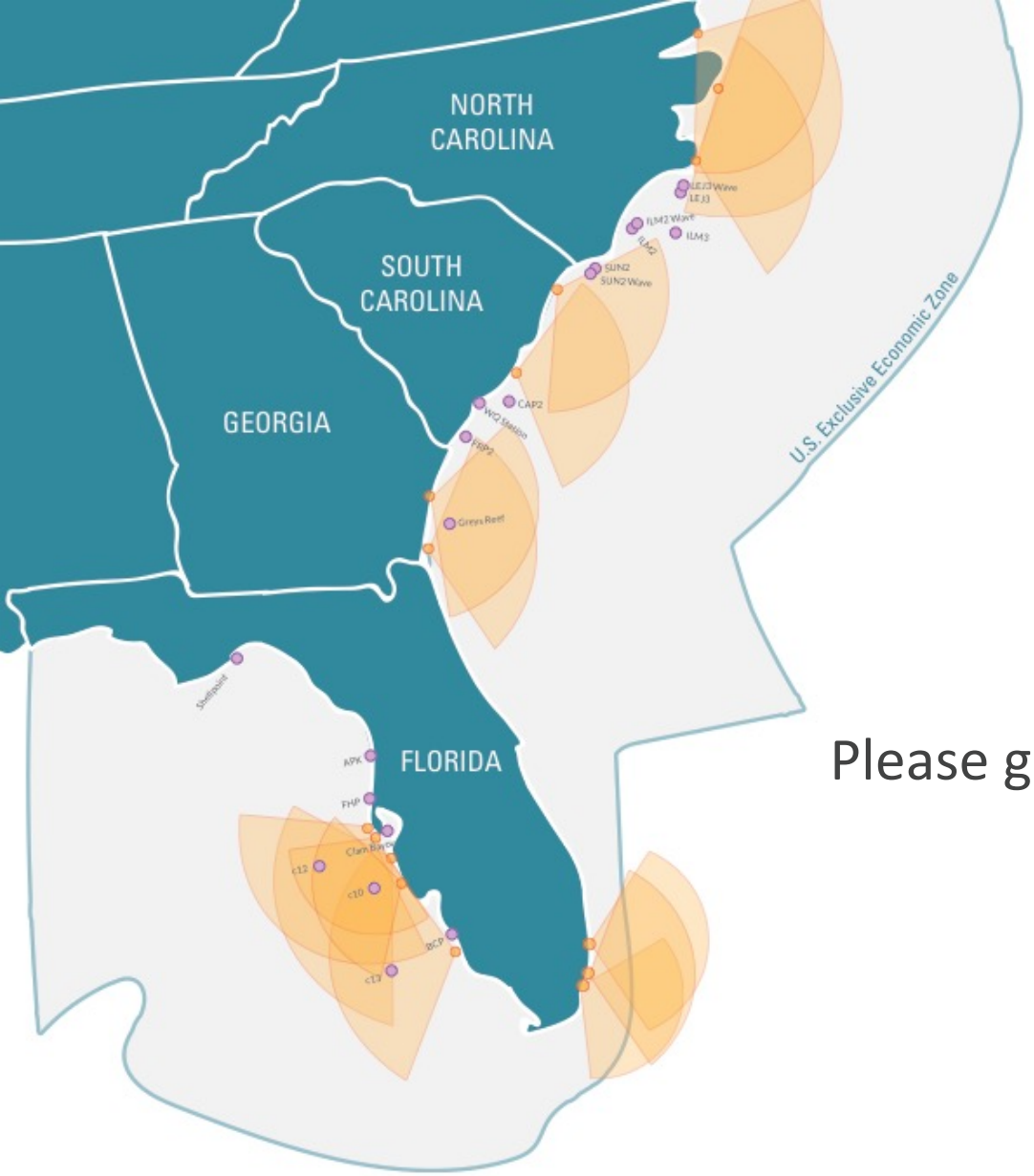
Unique Partnership

Public-private partnership leveraging the expertise and capabilities of private, nonprofit and public sectors.

WebCAT Workshop

- Announcement coming early 2018
- Exploring applications, opportunities and challenges to using webcams for environmental monitoring
- Focuses on use cases of camera data
- Audience will be resource managers

Stay tuned for an announcement!



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Website

Please go www.secoora.org on your phone!

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Integrated Ocean Observing System

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Find recording of webinar on http://secoora.org/webinar-series/

Next webinar is December 19, 2017 l 12 PM ET

Christine Buckel, NOAA NCCOS