WebCOOS Workshop

Welcome back!

Overview & Introduction

Friday, October 10, 8:30 - 9:00 AM

Welcome back!

Purpose/Goals

- Present technical info focused on webcam installs, products, and standards.
- Include designated reps from each RA, Tier 1 Users, and project PIs.
- Build expertise in the RAs to support future installations and streamline data ingestion.

Outcomes

- Network/Community of Practice for all things WebCOOS established
- Basic common understanding of WebCOOS operational structure and who's who
- Common understanding of current applications & limitations
- Common understanding of 'cameras of opportunity' & integration issues

Logistics

- Restrooms - located outside & right from the meeting room- other side of the doors leading outside
- Coffee & Water - located just outside the room (can have in the room)
- Lunch - can eat in meeting room, restaurant space, or outdoor space
- Safety
  - First Aid - back table
  - AED near front desk in the hall
  - Fire alarm- back table
  - Exits
- Hotel check-out time
- Ridesharing- sign up sheet
- Luggage storage

Agenda overview

- 8:30: Recap
- 9:00: Technical session 1: Hardware
- 9:40: Technical session 2: Data
- 10:20: Break
- 10:35: Technical session 3: Demo
- 11:15: Revisit decision tree
- 11:45: Closing & next steps
- 12:00 Adjourn & lunch on your own

Recap & Review

- Recap reflections from Day 2

What is something you learned today?

Image algorithms are being applied actively

Data products

Learned about the multiple functions of the WebCOOS network, as well as possible ways to integrate existing cameras to expand our observation network.

Funding sources

Shoreline, flooding and rip currents camera detection

Broad range of camera image and video applications relevant to WebCOOS

Community partnership applications and considerations

The importance of active community engagement

What is something you learned today?

Lots of interest in new cameras

How many different use cases there are for coastal cameras. How important it is to communicate between partners about current science that is being done.

There's an app for rip currents!

There are broad applications and a good community network to build on and advance data products and generate valuable information for users

Next

What to think about when it comes to cameras, their placements and how to get communities involved.

Repositories for models

Specific works by different folks e.g. tanner at Holland Beach, jenna on shoreline change with ml

What would you like to discuss tomorrow?

Perhaps a brief summary of next steps, or a timeline, for the RAs.

8 **Popular**

Standard procedure for submitting request to integrate existing cam image/video stream into webcoos

7

Metadata considerations

5

Training models for new applications of WebCOOS data

5

Case study

4

Learn more about ra prioritization

4

Edge processing case studies

4

Post project camera costs

4

Recap & Review

- Overview/review
  - Field trip
  - Federal partners
  - Community panel
  - Product discussion
  - Science showcase
  - Technical & Programmatic intro