

Agenda: Day 2 (Afternoon)

1:00 pm - 1:45 pm	Transition from OTT -> IRA T2
1:45 pm - 2:30 pm	IRA T2 Scoping
2:30 pm - 3:00 pm	Closing
3:00 pm - 3:30 pm	Visit Scripps' Pier (Optional)
4:00 pm	Shuttle back to Hotel



1:00 pm - 1:45 pm

Transition from OTT -> IRA T2

An aerial photograph of a coastal town, likely in California, showing a dense residential area with many houses and a winding road. The town is situated along a coastline with a sandy beach and waves visible on the left. The background shows the ocean extending to the horizon. A dark, semi-transparent horizontal band is overlaid across the middle of the image, containing the title text in white. The band is bordered by teal-colored sections above and below it.

Considering the Transition from OTT to IRA T2

Will Surfline appoint one POC? Does each RA contact Surfline directly?

- Going forward, Webcoos/RAs will have a **single customer service representative who will serve as their primary point of contact for all operational questions** related to the platform, cameras, and machine learning. As needed, this representative will coordinate with Surfline internal specialists, such as camera and data science experts, to provide additional support.
- Additionally, we hope to engage with Surfline to attend some (or all) of IRA T2 WebCOOS meetings, to facilitate reporting / questions from RAs
- The RA's will have the option to have Surfline manage their cameras (For a fee) or manage the cameras themselves.

Can we get more looped into when cameras go "offline" or have our partners looped in so they are aware of known issues?

- Yes! Surflin can provide RAs & partners with access to a dashboard that delivers visibility into camera performance and status.

What is the cost if a camera breaks / needs to be replaced?

- Repair costs will vary depending on the nature of the issue and the camera's location. **Minor repairs** may cost as little as **\$500**, while more **extensive work**, including **a full camera replacement**, can cost up to **approximately \$4,000**.
- Surflife can provide camera repair services on an as-needed basis. Clients will be billed for the cost of parts and labor, plus a 25% service markup. For example, if a repair requires \$500 in parts and \$150 in labor, the total cost before markup would be \$650. Applying the 25% markup results in a total charge of \$812.50

How do we add new cameras to the system?

What is the cost to have Surflin install a new camera?

- ~\$4k without solar and battery. There could be additional fees if the installation is in remote areas (Pacific Northwest, Alaska, etc...)

What is the data pipeline fee/long-term cost?

- Surflin currently estimates each camera over 100 (total in the system) will cost \$1000 per year or ~\$1k per incremental camera per year.

What is the mechanism to pay Surflin?

- Surflin can invoice just the RA directly.

How are new products funded/applied?

- Current products are shoreline change, object detection & counts, and rip current detection
- There are no new products in the pipeline. However, Surfline has some advanced capabilities (products) that will be available on a limited number of cameras:
 - ~33 cameras can have object detection/counts;
 - ~15 cameras can have shoreline change
- Rip current product is still very developmental and we are still figuring out a solution.
 - Currently, rip detection is running on ~6 cameras.
- New Surfline products will be released on a rolling basis. Surfline will provide updates on product availability via email and during WebCOOS calls. As new products become available in the dashboard, WebCOOS can use any remaining machine learning credits from their allotted balance to enable new machine learning capabilities on their cameras.
- **IMPORTANT** - Some new products features will be available to WebCOOS for free, Surfline will determine which features will require credits and which features will be included for free

Is there a cost for tools getting applied to a camera?

- Once the allowance (on previous slides) has been met, the cost to run the object detection or shoreline change tools is how much for each camera
 - Object detection (33 cams): \$2750 per year per incremental camera
 - Advanced capabilities (11 cams - Shoreline, waves, run-up, etc...): \$5500 per year per incremental camera



1:45 pm - 2:45 pm

IRA Scoping and Actions



IRA Scoping

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Want to explore three key questions

- Considering limitations of IRA T2, what are we collectively most interested in moving forward?
- Which of these products are most feasible? What do we have capacity for? Are there ways we can share the load of the work across RAs or other institutions?
- What are the key next steps we want to pursue given the proposed IRA T2 structure?

As a reminder...

- Funding for WebCam / WebCOOS efforts largely ends with the OTT grant
- Under IRA T2, the majority of funds are centered on installation and maintaining the data pipeline through webcoos.org
- Future efforts could center on feasible, low-effort products; finalizing research efforts; but major investments or expansions are not available at this time

Goals / Results from Mentimeter

Breakout Sessions

So, for the next ~30 minutes...

- Review topic of interest, identifying any key components, momentum currently existing, needs for the future
- Key next steps on short term (next 6 months - 2 years)
- Describe feasibility under current funding mechanisms
- Count up (as possible) how many RAs would be interested in this product moving forward
- Identify how you want to work on this in the future:
 - Working Group meeting monthly / bi-monthly / quarterly
 - Future Virtual Workshop
 - However you think!

Sign Up!

Action Item / Topic	Details on Structure	People who want to engage!
DMAC		Marcus Ogle
Future Funding Discussion		
DMAC		

An aerial photograph of a coastal town, likely in North Carolina, featuring a prominent bridge, a water tower, and a beach along the ocean. The image is used as a background for the slide.

Thank you!

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Closing

12:00 pm - 1:00 pm



Carpool Signup

