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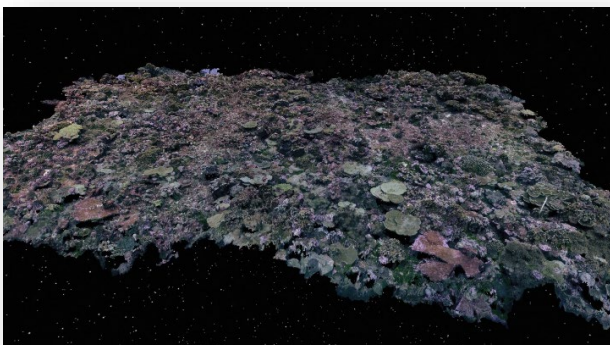
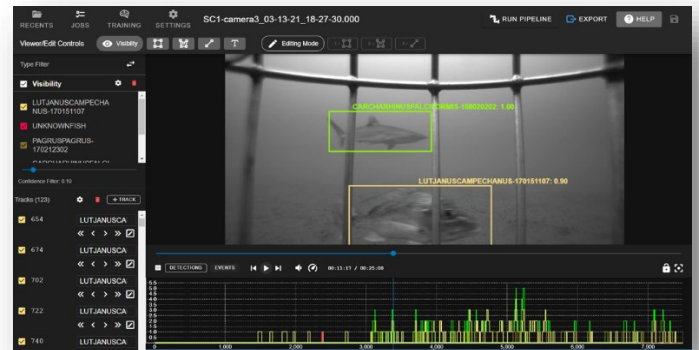
Ben Richards, PIFSC, Survey and Support Program, Science Operations Division

Thomas Oliver, PI CoralNet

Tuesday, March 7th @ 10 am Pacific

Exploring the Potential of Human-Augmented AI for Marine Resource Surveys: Focusing on Fish Stocks and Coral Reefs

As underwater camera and autonomous survey technologies become increasingly prevalent, the demand for efficient processing of marine resource survey data grows. In this presentation, we will delve into the benefits of using human-augmented AI for analyzing survey imagery, specifically focusing on fish stocks and coral reefs. While AI can significantly aid in automating the detection and counting of underwater species and habitats—even creating digital environmental reproductions that can be surveyed in the lab—human expertise is still crucial for creating high-quality training data and ensuring the accuracy of results.



We will highlight the potential of combining AI and human expertise to overcome the limitations of either approach alone. This can increase the speed, reliability, and reproducibility of results and can lead to analytical methods that would not be possible otherwise. By leveraging the power of human-augmented AI, we aim to open new paths to understanding our oceans and the species that inhabit them.

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