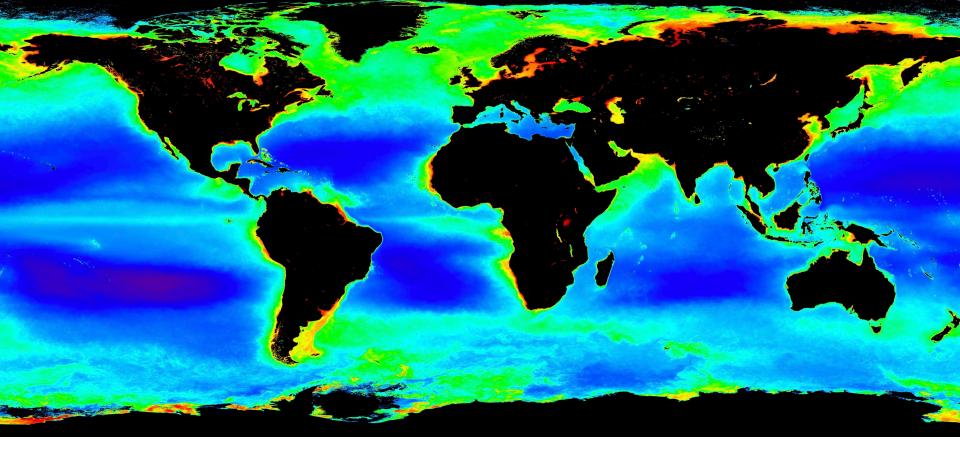


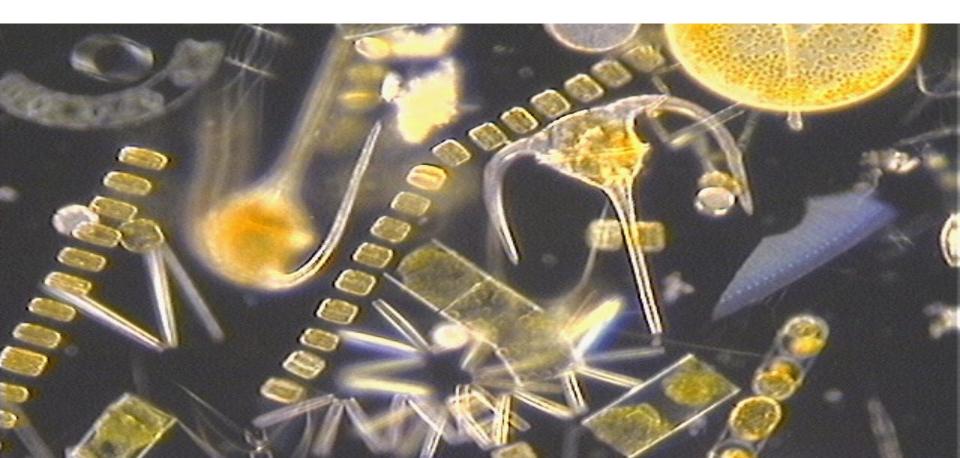
Introduction to PlanktoScope

International Workshop and Training on CFP, Lombok, 2023



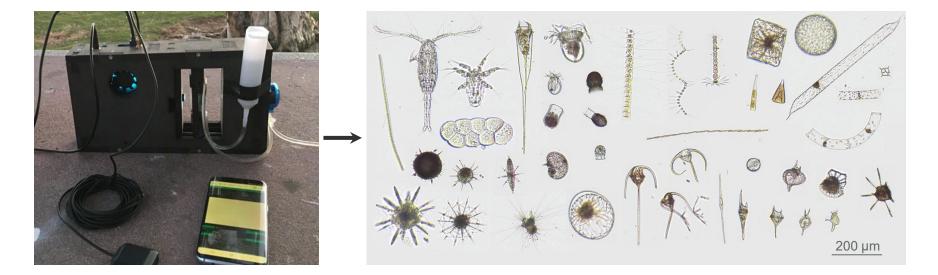
Two Questions -1. How much food is there.....

.... and Who is There?



What is PlanktoScope?

- A microscope which:
 - takes images of all plankton in a water sample



What is PlanktoScope?

A microscope which:

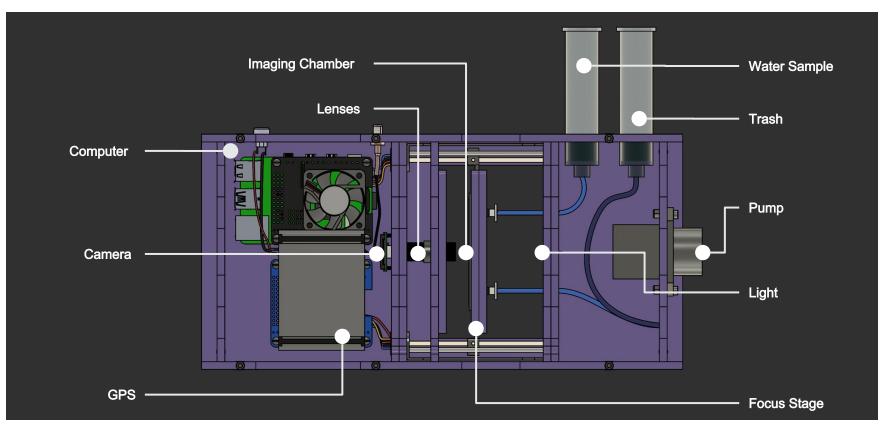
- takes images of all plankton in a water sample
- can automatically count each type of plankton

What is PlanktoScope?

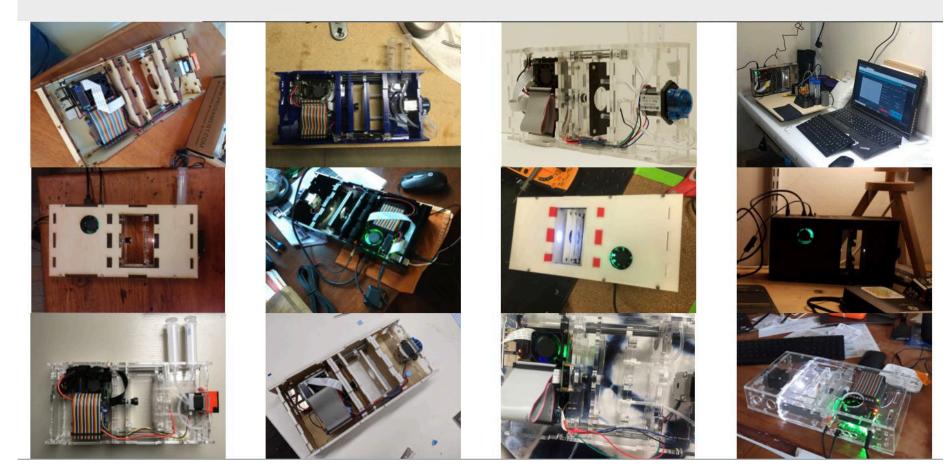
A microscope which:

- takes images of all plankton in a water sample
- can automatically count each type of plankton
- costs \$400 500 USD in components

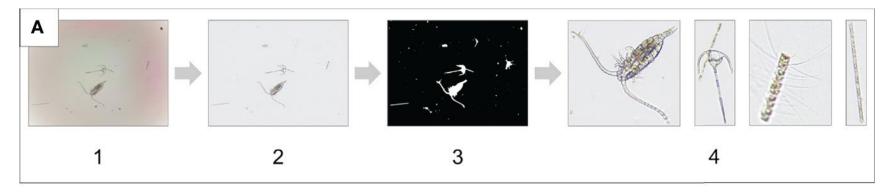
How does PlanktoScope work?

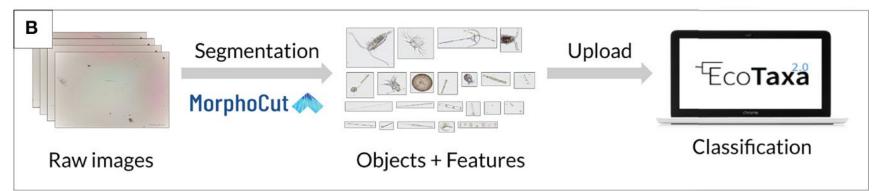


Deployment - Over 30 replications over the world

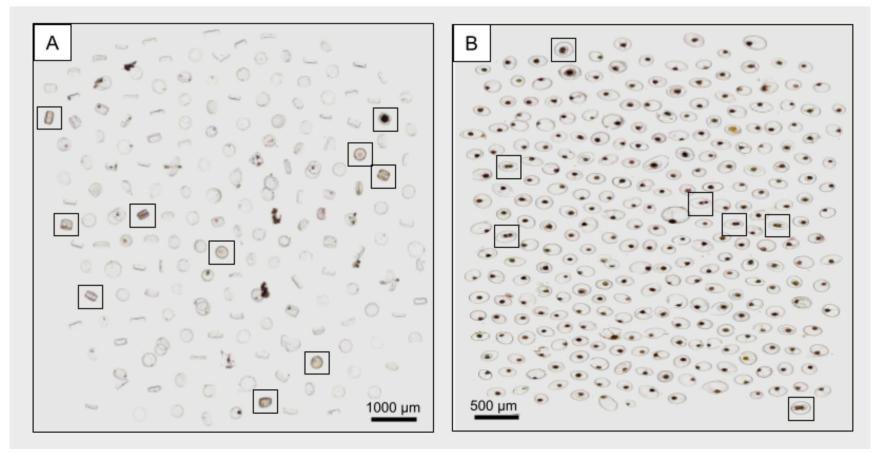


What data does Planktoscope produce?

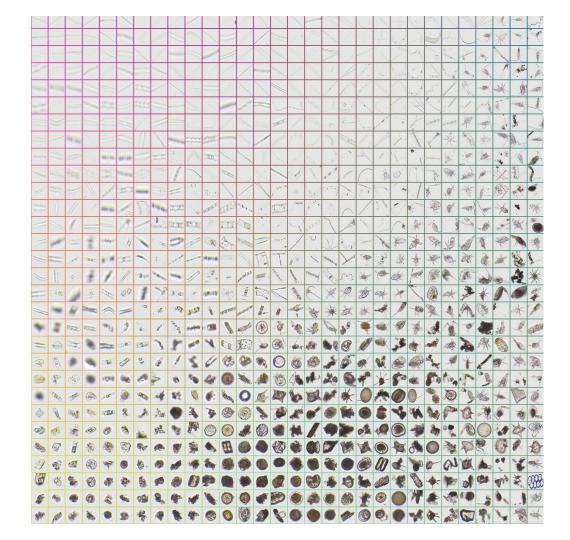




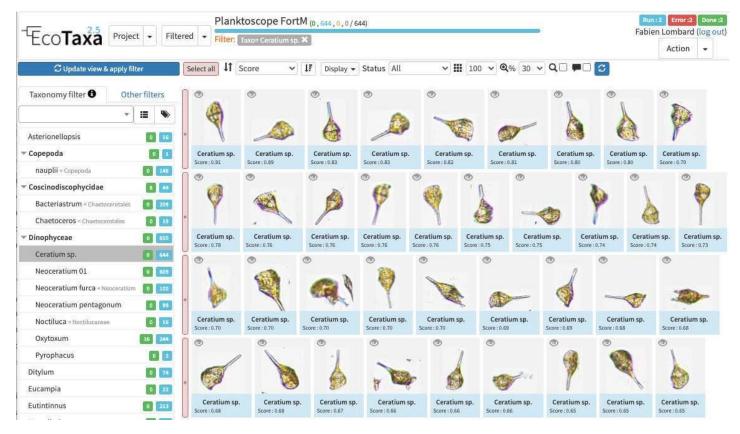
Planktoscope Images

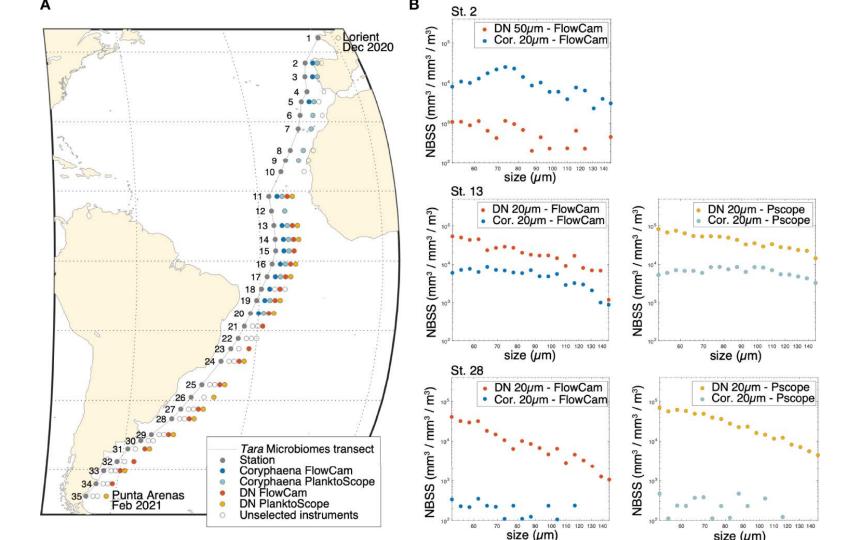


Planktoscope Image Database



What does EcoTaxa do?





Resources

In English:

- Website: https://www.planktoscope.org/
- Paper by Thibaut Pollina, Adam G. Larson, et al. published in *Frontiers in Marine Science*, July 2022: <u>https://doi.org/10.3389/fmars.2022.949428</u>
- Usage instructions for scientists: <u>https://www.protocols.io/view/planktoscope</u> -protocol -<u>for-plankton - imaging - bytypwpw.html</u>

Planktoscope Training — Lombok, Jan 2023





Planktoscope Training — Lombok, Jan 2023

