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BLOOMOPTIX

Real time algal monitoring and AI

A citizen science pilot across eight US states

Before

Samples driven or mailed to the lab

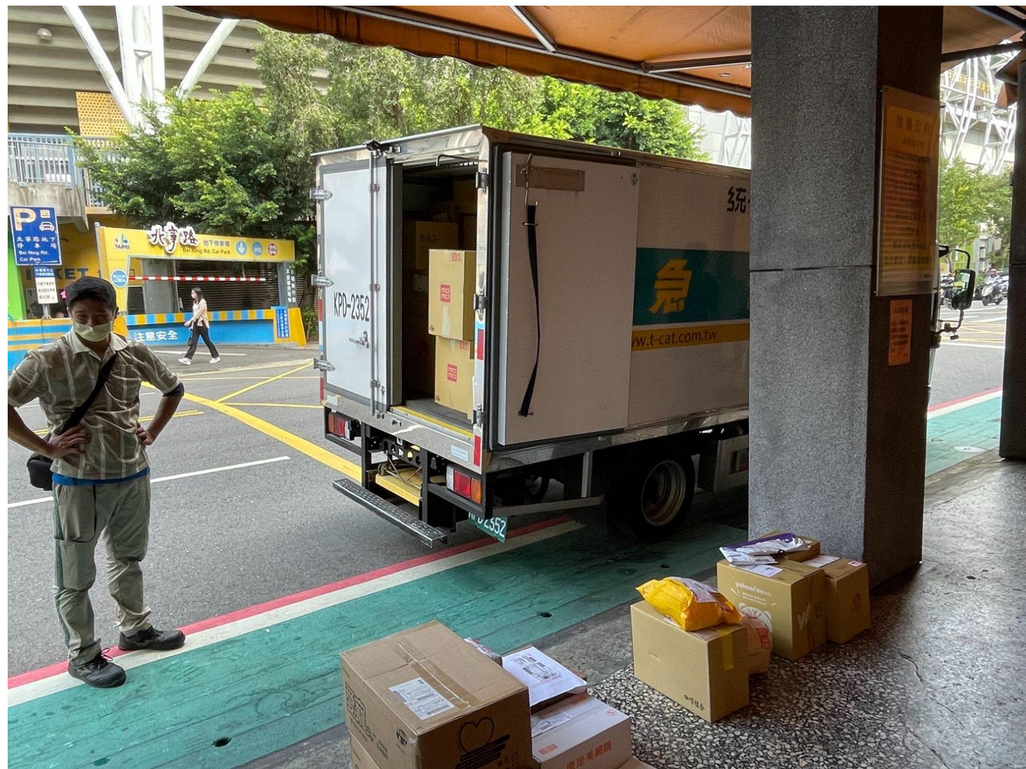
Delay of 5 days or more

Blooms move before action can be taken

Typical cost of $7,000 per year

Colonies disrupted, possible errors

Environmental footprint



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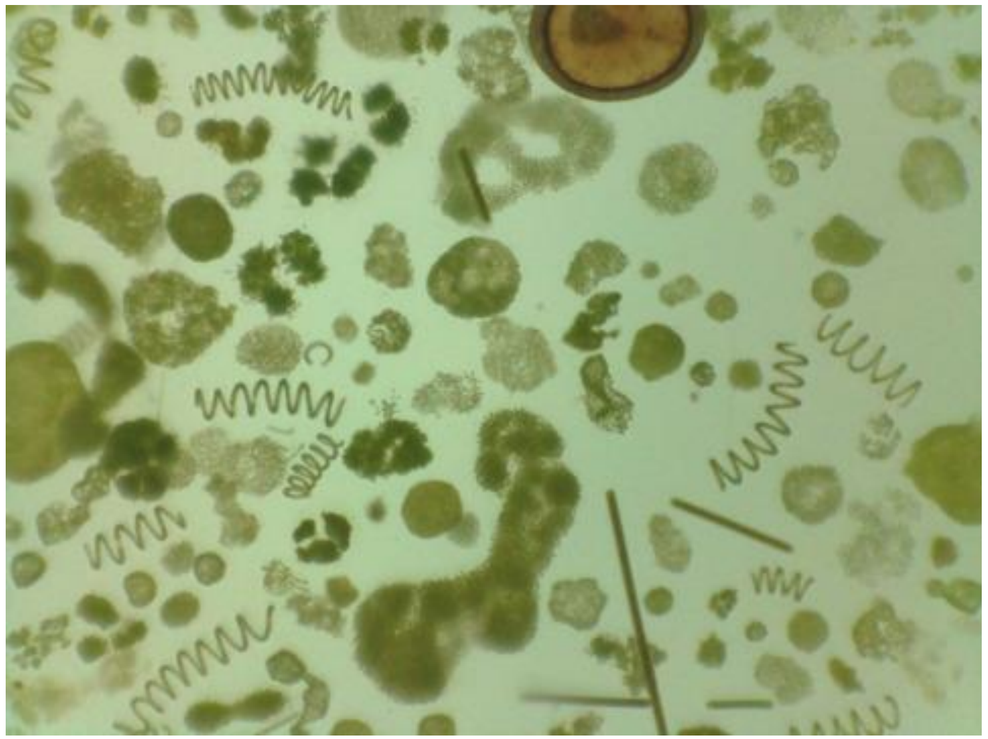
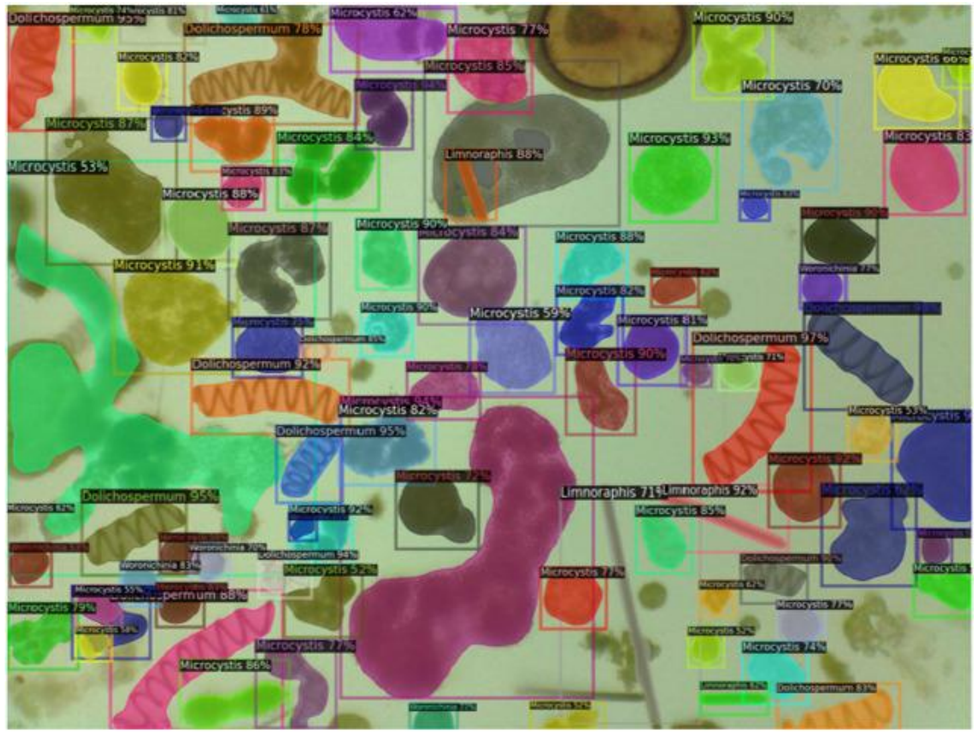
BLOOMOPTIX

AI identifies cyanobacteria colonies





Results

5,000 images analysed, 170 HABs

Results in 10 minutes = immediate action

Typical cost <$3,000 per year

94% accuracy across six genera

Citizen scientists at the lake

Real time results

Public engagement

Big data sets