

Making robots work for you



Automated fish ID from video

Accurately count, size & identify commercial fishing discards

Regulatory requirement

Multiple service providers & hardware configurations





The Nature Conservancy Fisheries Monitoring

Can you detect and classify species of fish?

\$150,000 · 2,293 teams · 6 days ago

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Overview

[Description](#)

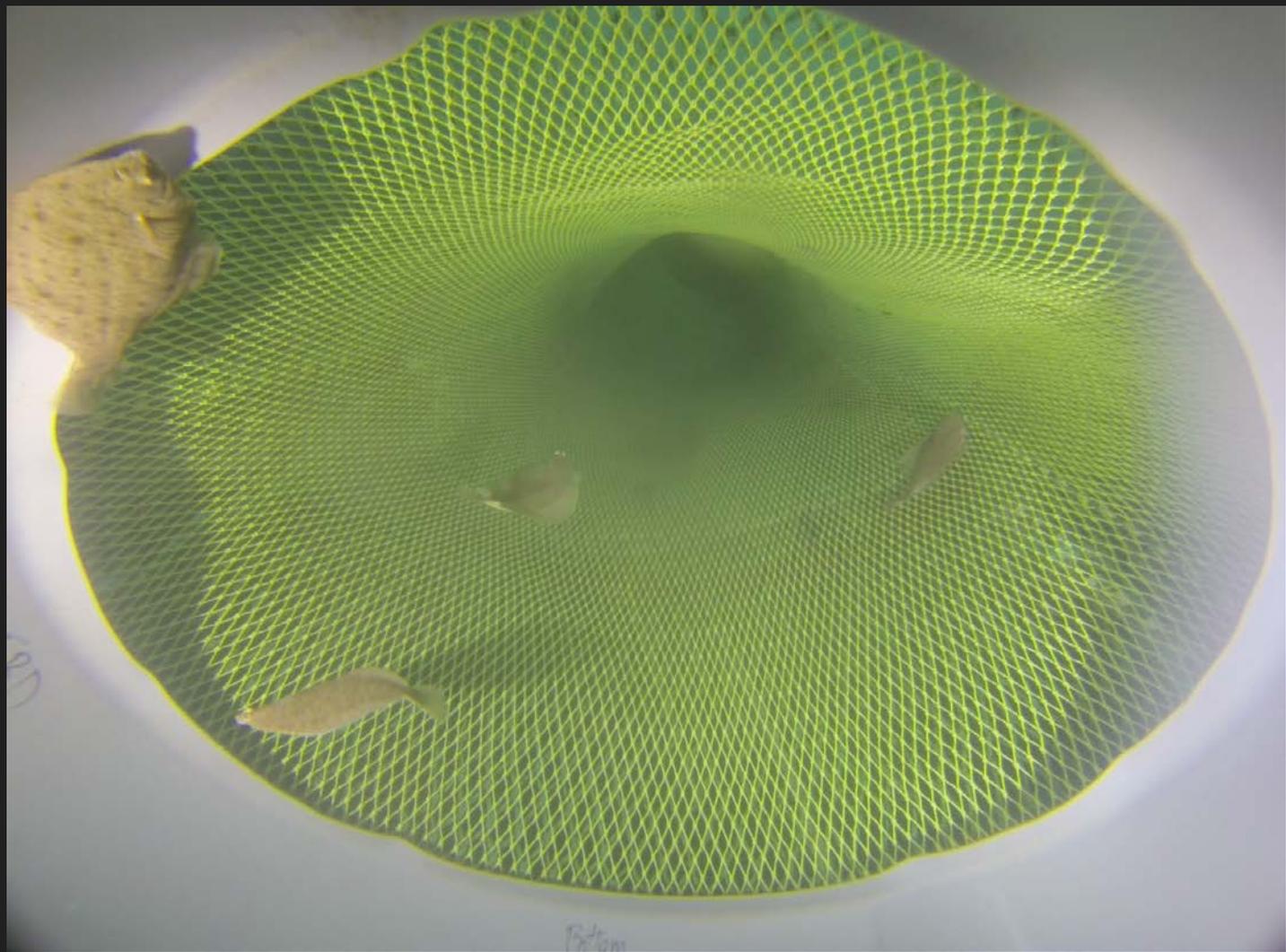
[Evaluation](#)

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Nearly half of the world depends on seafood for their main source of protein. In the Western and Central Pacific, where 60% of the world's tuna is caught, illegal, unreported, and unregulated fishing practices are threatening marine ecosystems, global seafood supplies and local livelihoods. [The Nature Conservancy](#) is working with local, regional and global partners to preserve this fishery for the future.





The magic process

1. Collect & validate images

>1500 per instance

2. Set up competition

Pick a host

Rules & prize money

3. Turn winning algorithm into usable product

Figure out who will maintain code

Make it easy to integrate with existing systems

- 1. Computers rely on you**
- 1. Be deliberate about your choices**
- 1. Make it open**
- 1. Think about privacy up front**

What problem are you trying to solve?

Be really,
really clear

Who needs to use what you make?

Design with &
build for

What do you need to do to smooth the path?

Policy champions,
data systems,
private investment,
regulations...