Global Fishing Watch

Supporting biodiversity beyond national jurisdiction with satellite technology & machine learning

Dr. Tim White

April 2023



New satellite insights to complement existing data streams

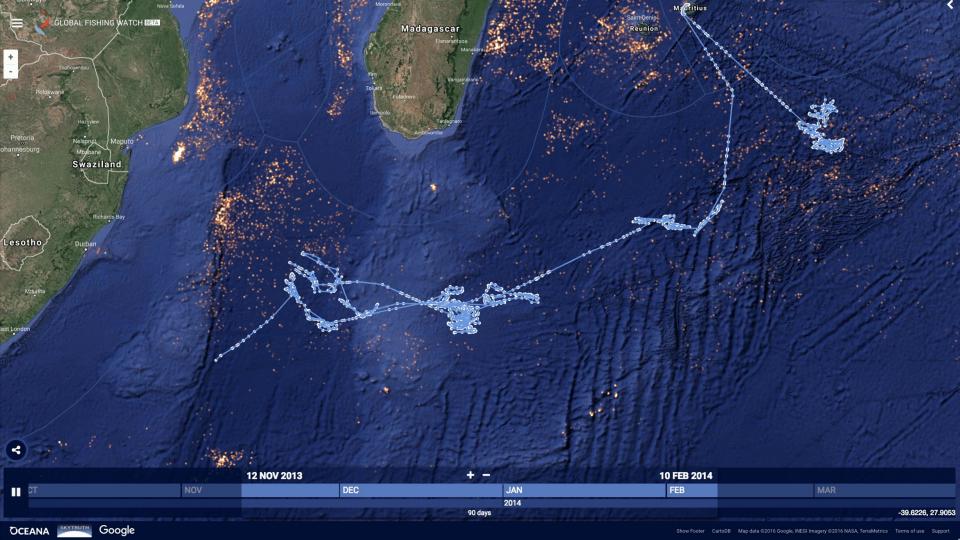


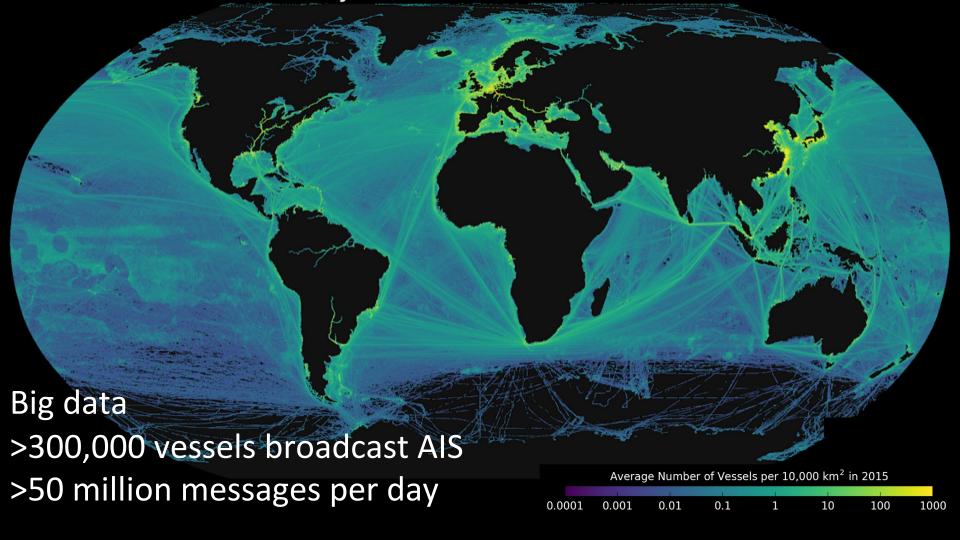




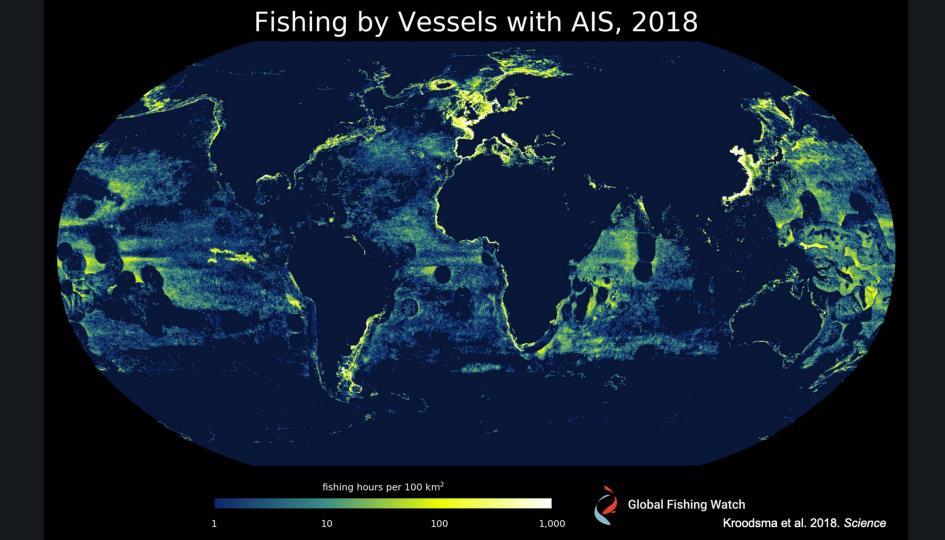
How I drive when I see a cop.



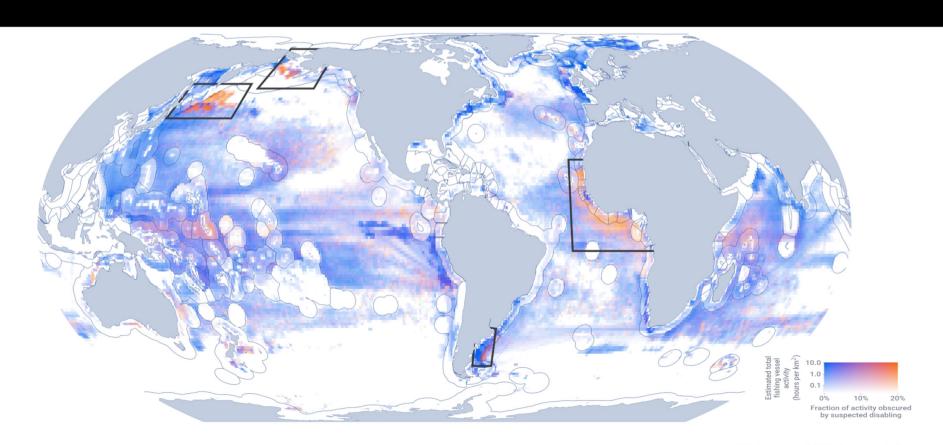








Global hotspots of tracker disabling



Providing support for USCG patrols in the North Pacific



The marine manager portal provides dynamic, interactive data

Founded by Dona Bertarelli. Data to support marine spatial planning, MPA management, and scientific research.



Marine Manager portal data layers



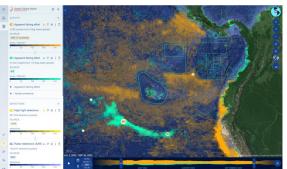
Human Activity Data

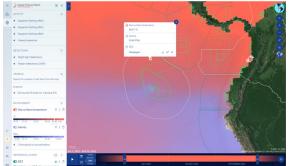


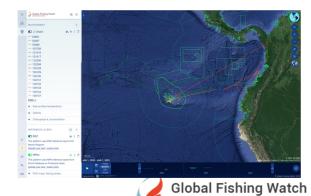
Oceanographic Data



Biological Data

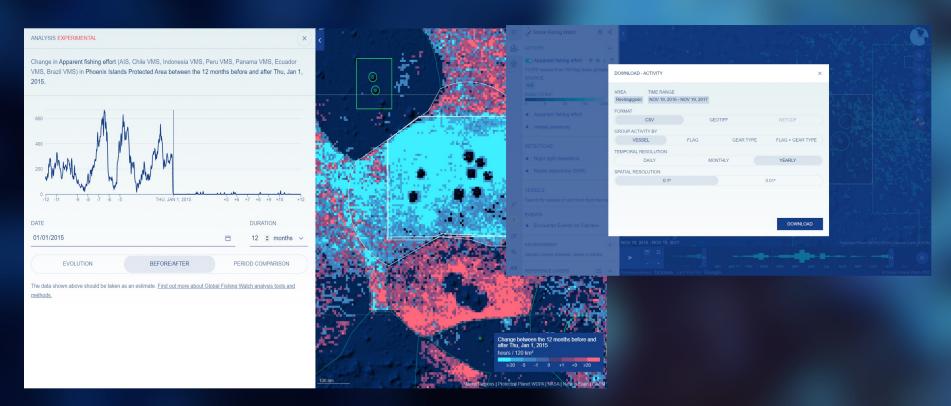






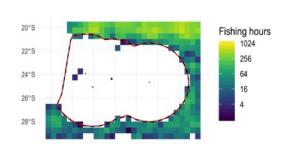
Marine Protected Area Analytics

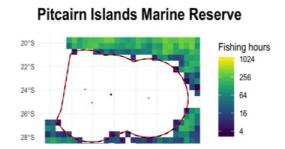
What are the effects of protection? What changes on the water?

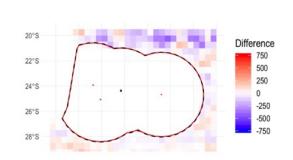


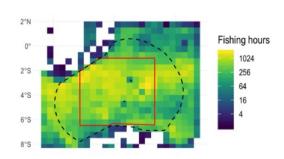
Using open data to assess marine policy

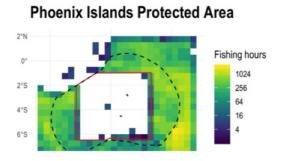


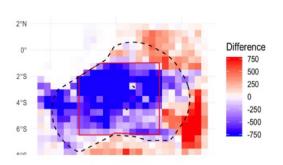




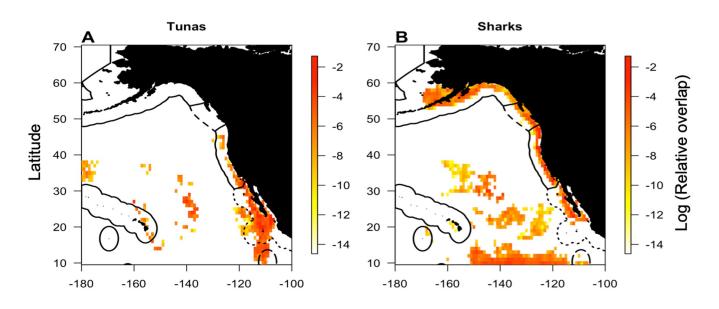






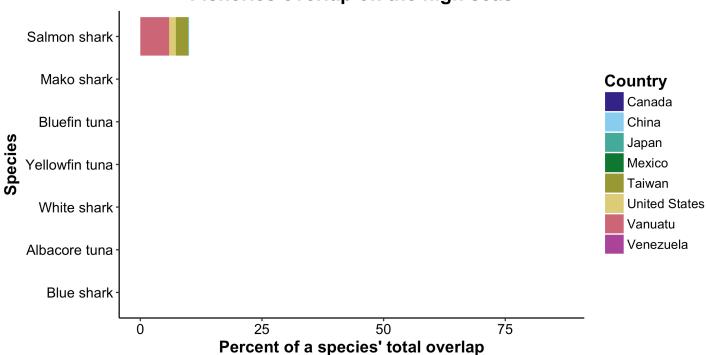


Predicted hotspots of overlap for tunas and sharks

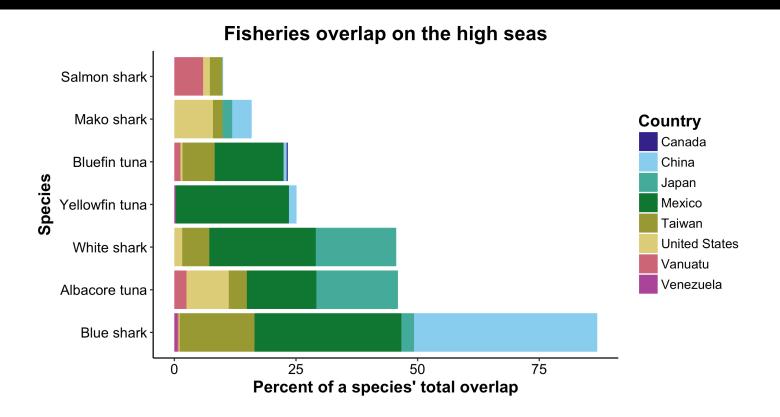


Longitude

Fisheries overlap on the high seas



5 nations drive 95% of high seas overlap in the NE Pacific



Whale sharks + shipping impacts

