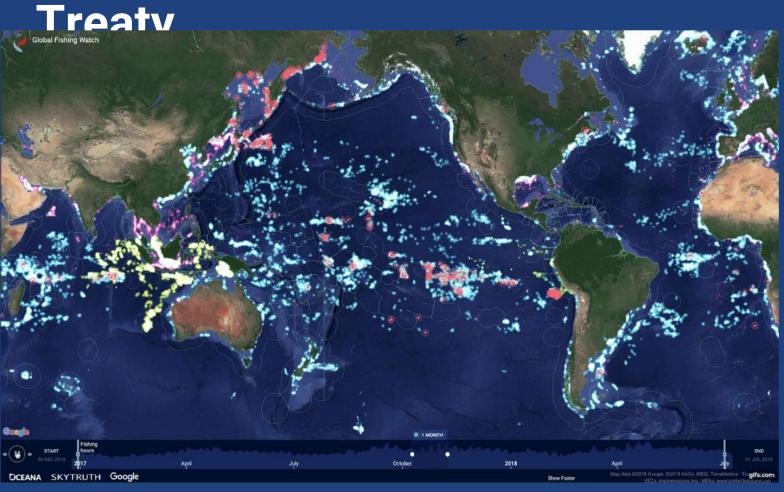
## Strengthening Monitoring, Control and Surveillance (MCS) through a High Seas



Tony Long, CEO Global Fishing Watch

November 2020



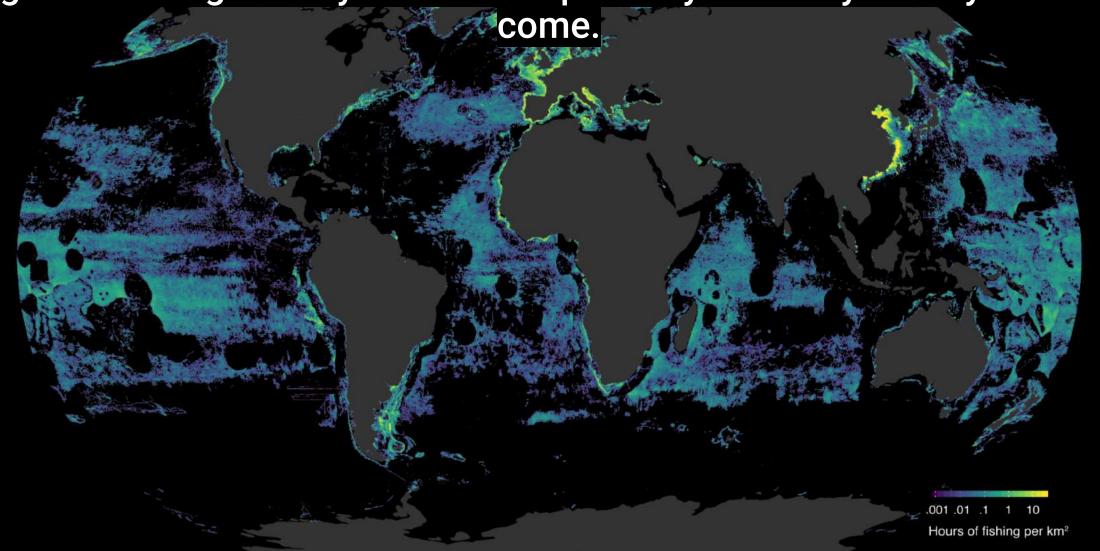


# Who We Are Global Fishing Watch is a nonprofit organization, our purpose is:

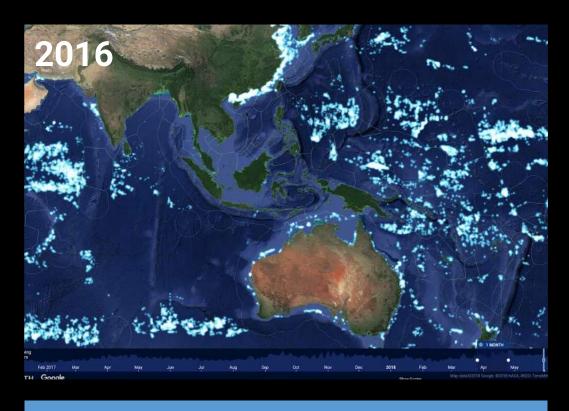
- to create and publicly share knowledge about human activity at sea to enable fair and sustainable use of our ocean
- drive policies that protect biodiversity, fisheries and livelihoods.
- support international cooperation;

and, thanks to our funding partners, our users access the platform for free.

Imagine - if countries publicly share their fishing vessel monitoring data then we can create a more complete and connected picture of global fishing activity and fish responsibly for many more years to



### Key moments



Indonesia release VMS data into the public realm

Public: Indonesia, Panama, Peru, Chile, Costa Rica,

Committed: Namibia, Ecuador

Dialogue: Open in 5 more countries

Ambition: 20 countries transparency by end 2022



### Key moments

Over 30 key studies published.

- The economics of fishing the high seas (Sala et al) Science Advances 2018

FAO Global Atlas of AIS Fishing published (FAO, AZTI; Global Fishing Watch; Seychelles Fishing Authority)

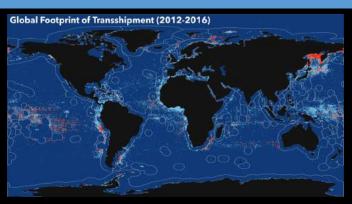
**Carrier Vessel Portal live (Pew, GFW)** 

North Korea Dark Vessel paper (Rep, Korea, Japan, GFW, Planet, KSAT, OrbComm, Spire, ESA, JAXA, NOAA, NASA)

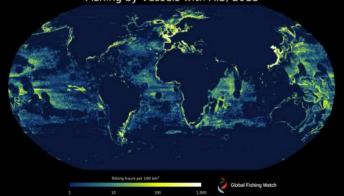
Marine Reserves Management Tool (under development)

#### Global picture of AIS fishing effort and global transshipments released

2018



Fishing by Vessels with AIS, 2018





**Global Fishing Watch** 

#### **Key moments**



Public data and AI analysis used to increase efficiency and increase enforcement action

#### **Support to Indonesia continues**

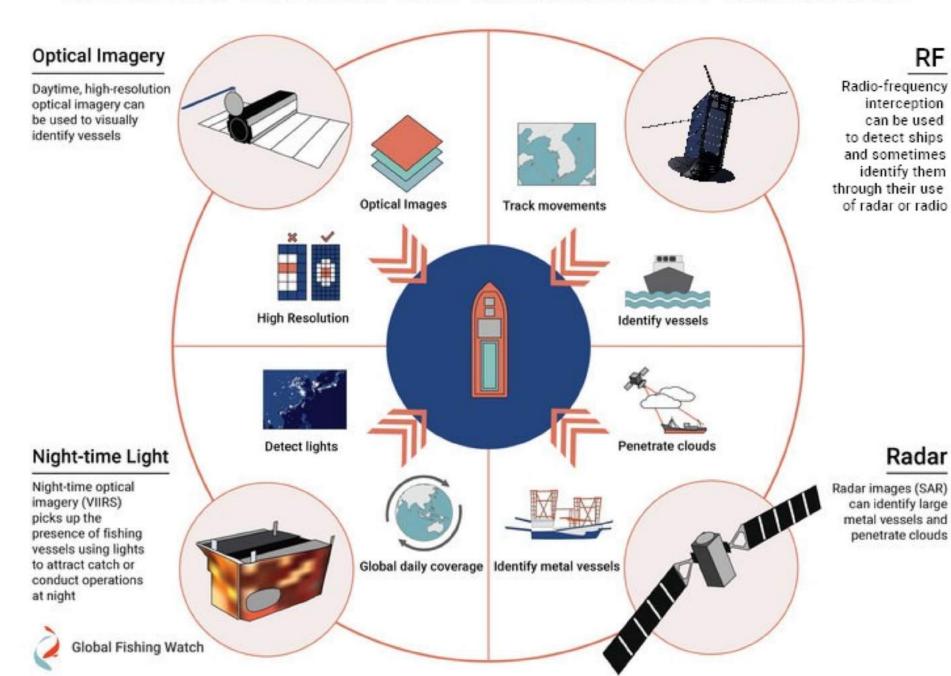
Support to Ecuador (recent focus on the High Seas squid fleet)(Canada DFO, MDA, GFW)

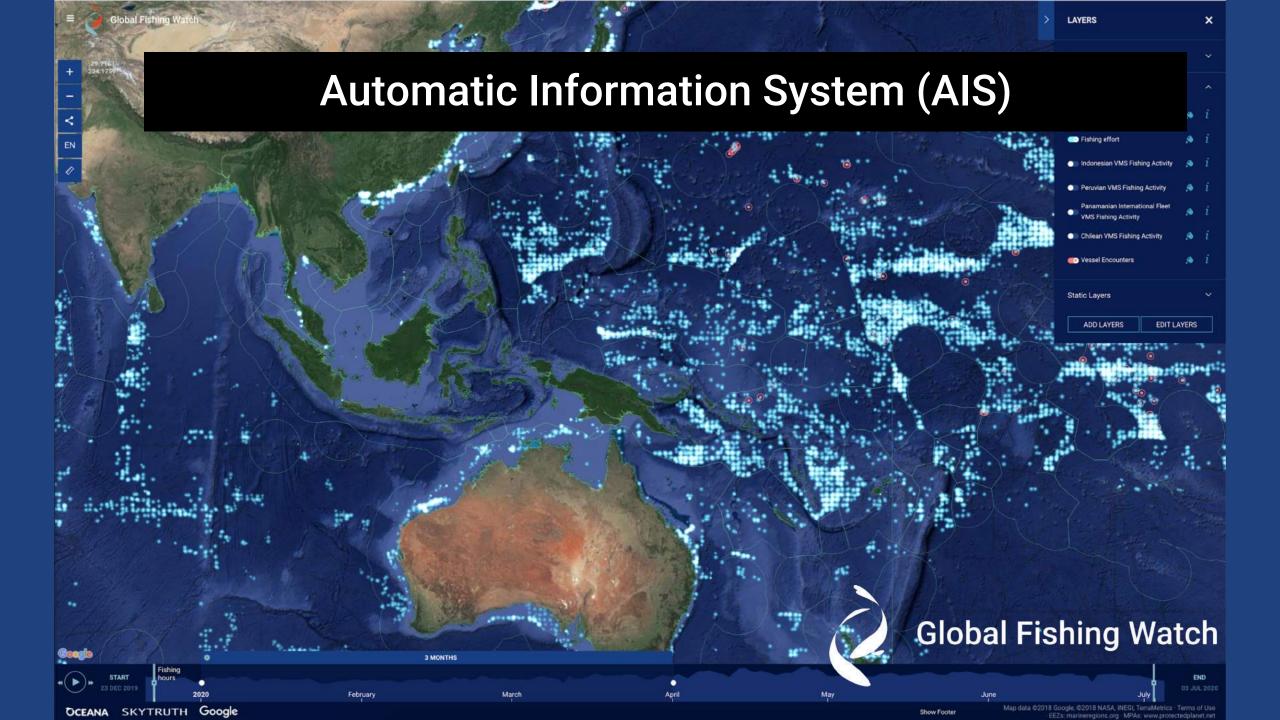
Support to Ghana (recent exercise with UNODC, Trygg Mat Tracking, Vulcan Skylight led by Ghana Navy)

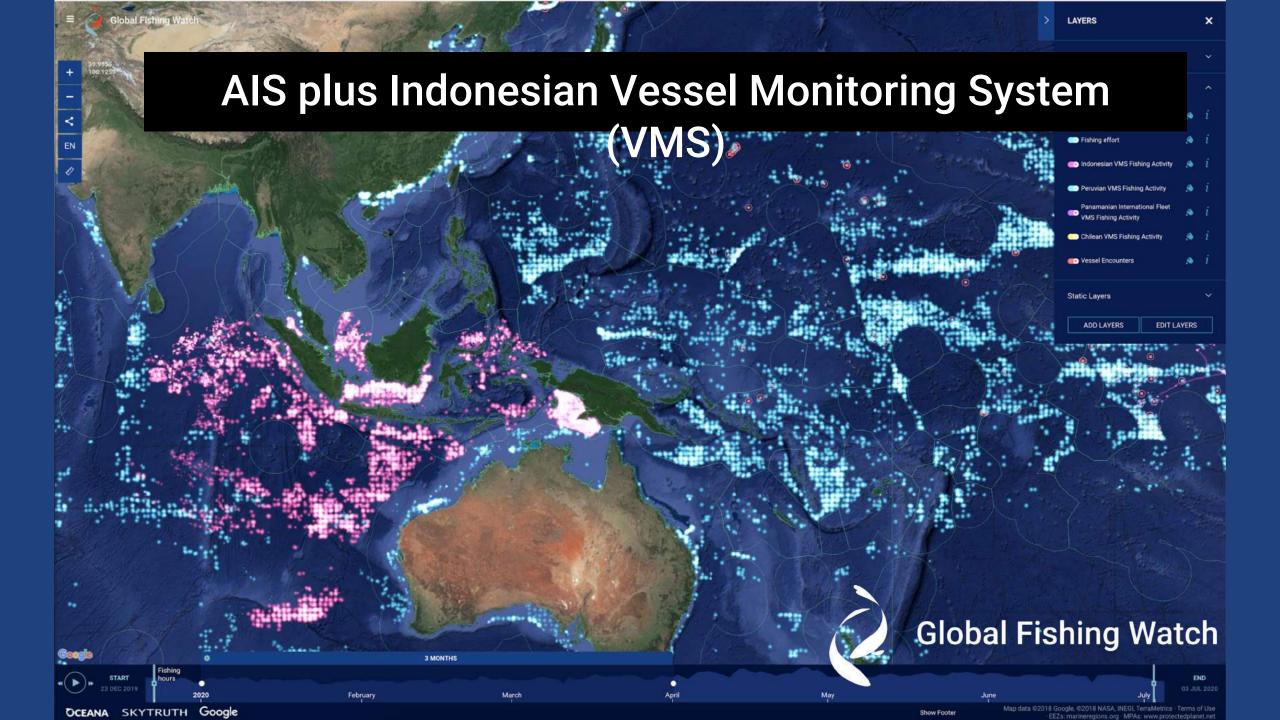
Partnership with US Coast Guard focused on Pacific High Seas Patrols (USCG, Canada DFO, GFW)

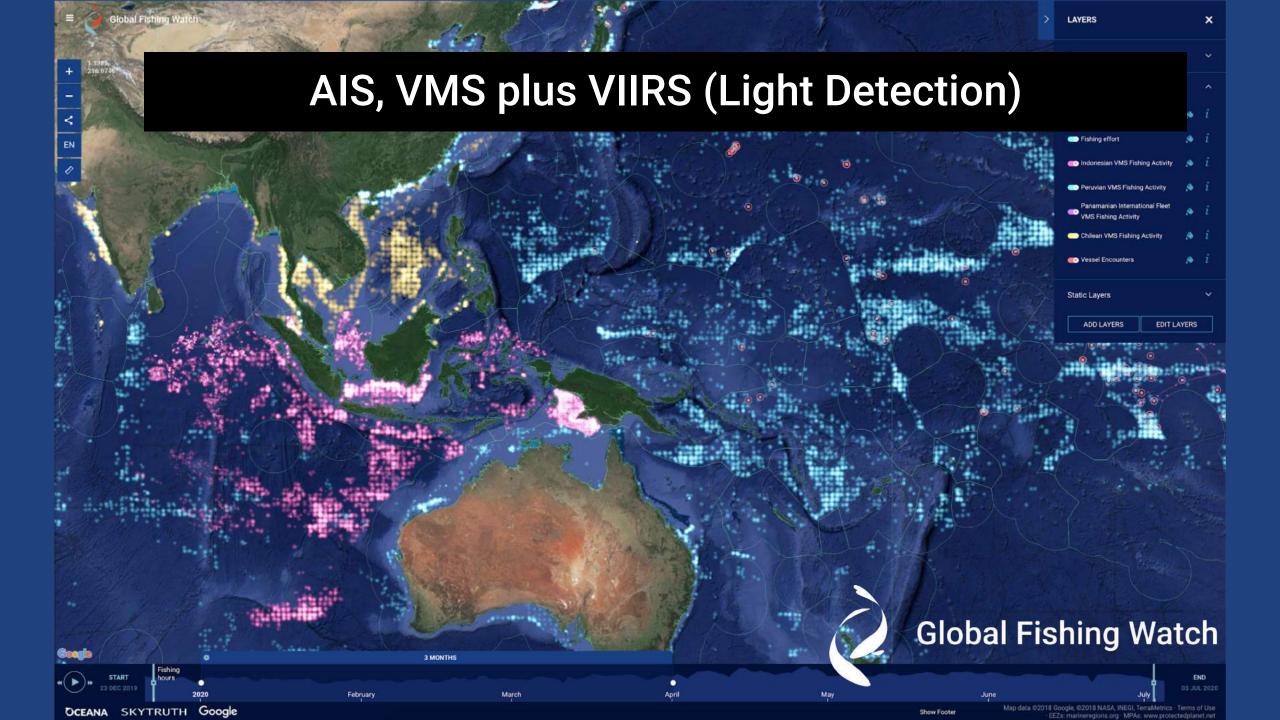


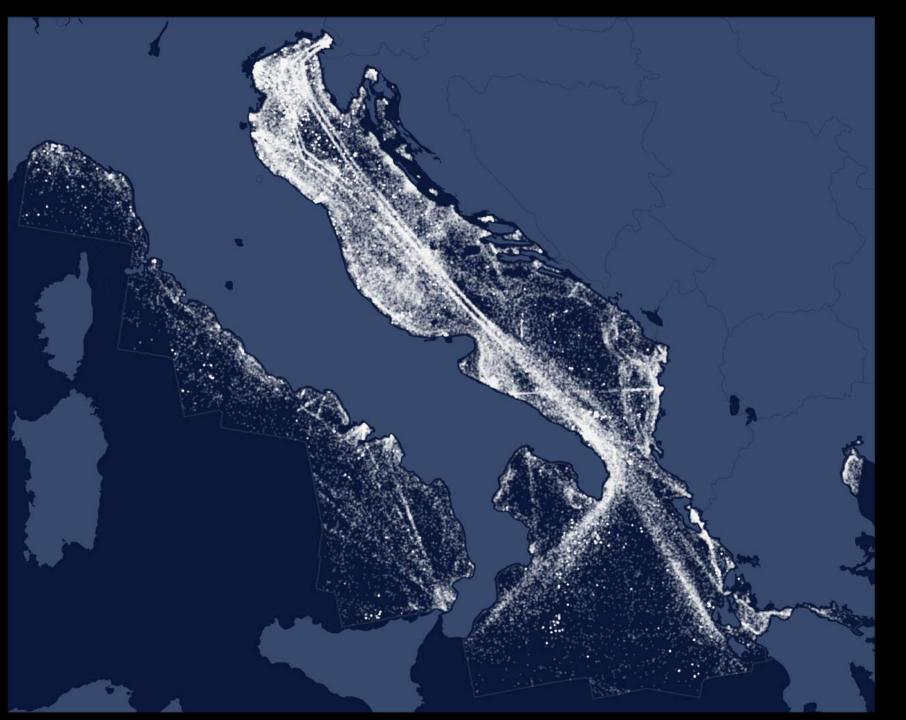
#### DETECTING THE DARK FLEET USING SATELLITE TECHNOLOGY





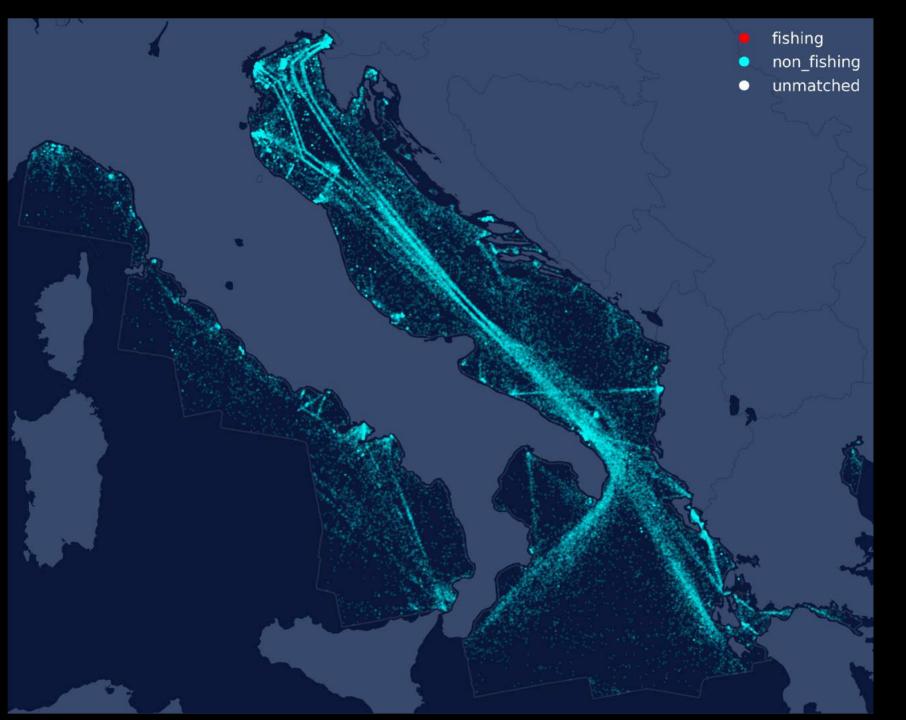






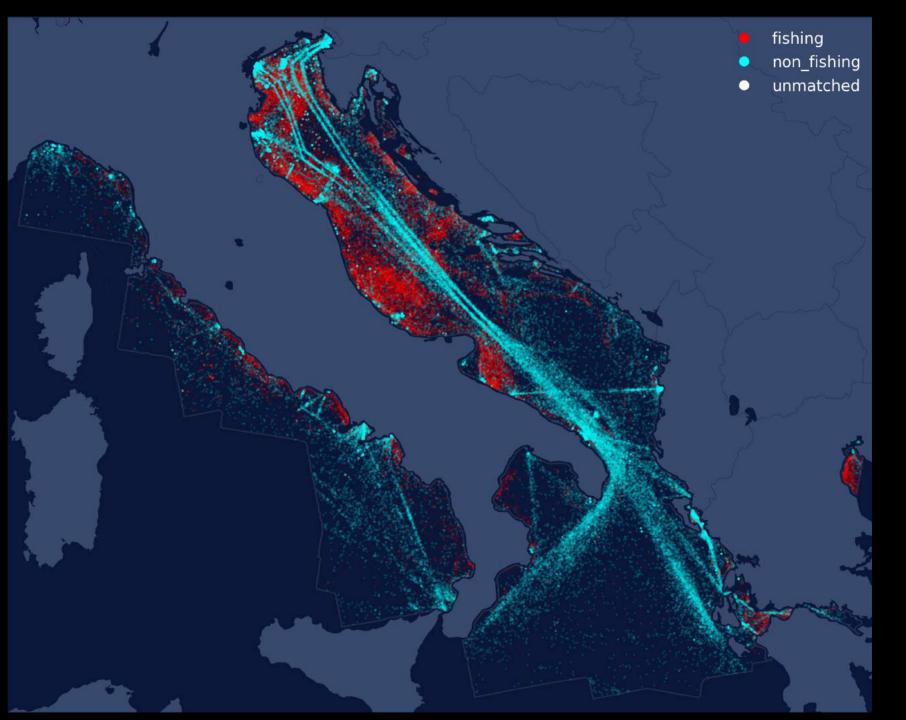
Sentinel-1
Synthetic
Aperture Radar
(SAR)
detections for all of 2017

(Every object in the Adriatic that is detected by Radar from Satellites)



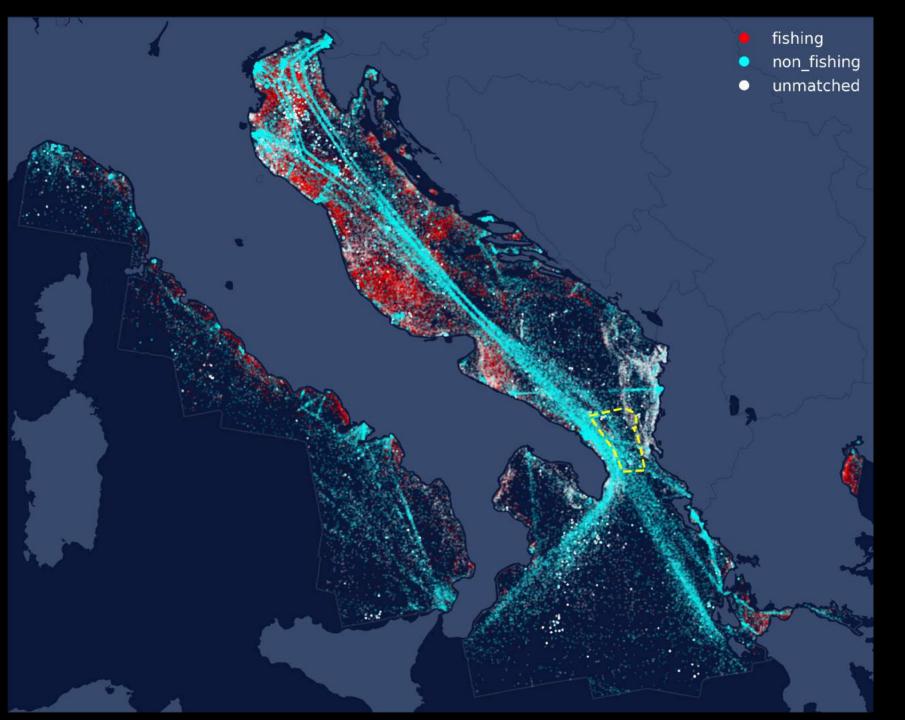
Sentinel-1
Synthetic
Aperture Radar
(SAR)
detections for
all of 2017

(matched to non-fishing vessels (blue))



Sentinel-1 detections for all of 2017

(matched to fishing (red) and non-fishing vessels (blue))



Sentinel-1 detections for all of 2017

(matched to fishing (red) and non-fishing vessels (blue) plus likely fishing (white))



#### In summary

- Monitoring of the Global Commons needs a collaborative solution and nation State leadership
- Transparency drives compliance and helps target enforcement at sea and in port
- To fish a shared resource should mean shared information/data to drive responsible access
- Enforcement through traditional means is not affordable or available and is therefore not ubiquitous or reliable.
   Global Fishing Watch

## **Global Fishing Watch**

Thank you

www.globalfishingwatch.org

@globalfishwatch @darkbluebloke

