

Intelligence Support for the Overseas Territories

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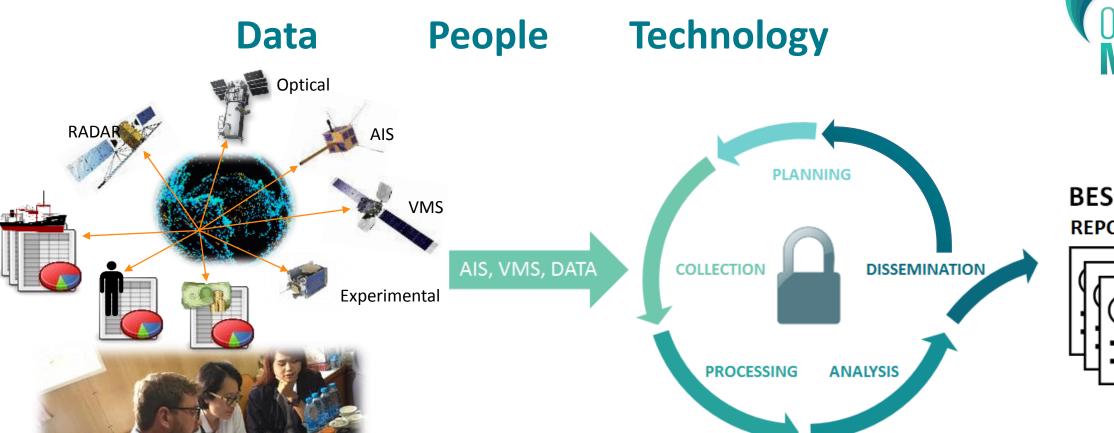
WHAT IS OCEANMIND

Non-Profit Organisation





- Supports fisheries Monitoring, Control and Surveillance (MCS)
- Targets Illegal, Unreported and Unregulated (IUU) fishing
- Risk management for the seafood supply chain
- Unbiased, independent monitoring, verification and validation

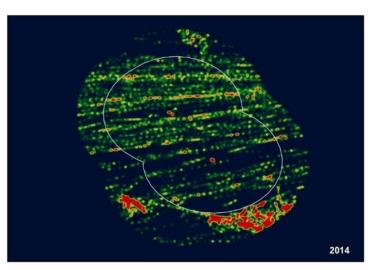


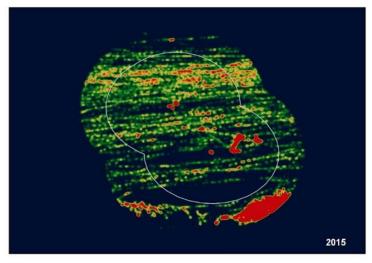


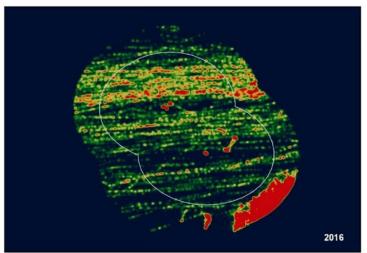


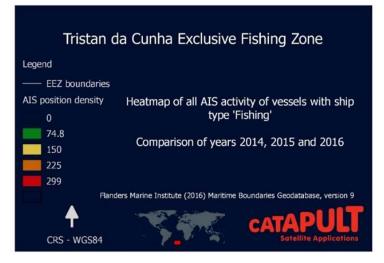
Historic Risk Analysis









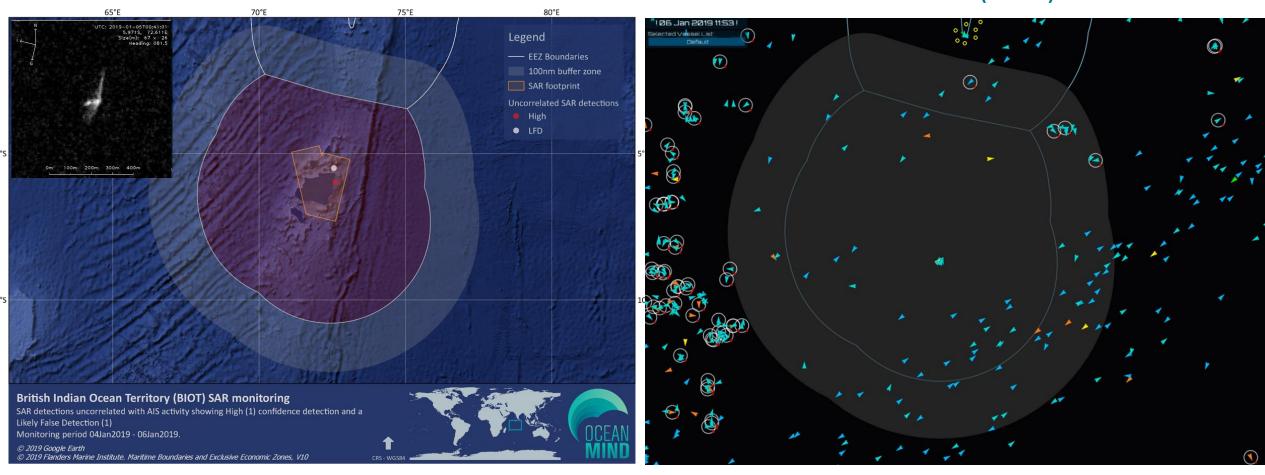


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Patrol Support

Uncorrelated SAR detection

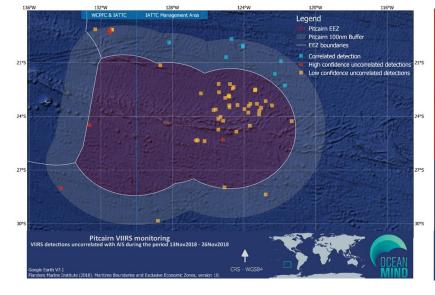
Vessels of Interest (VOIs)



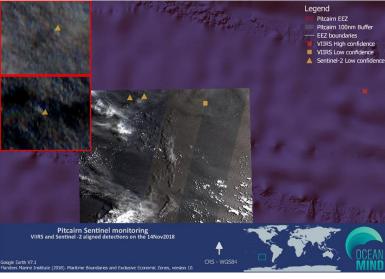
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Intelligence Gathering

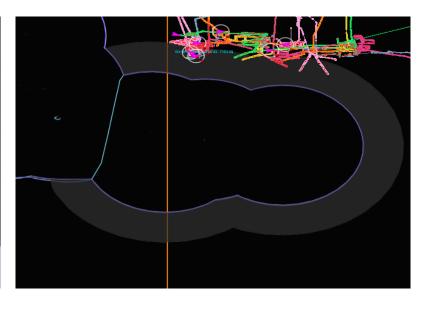
VIIRS detections



Sentinel-2 detections

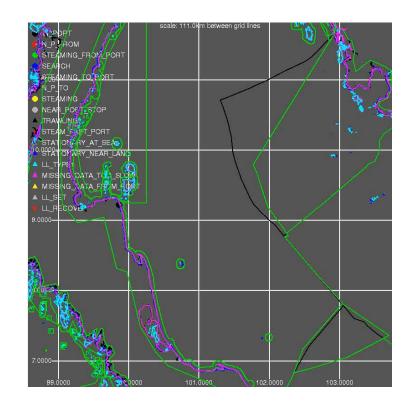


Vessel risks



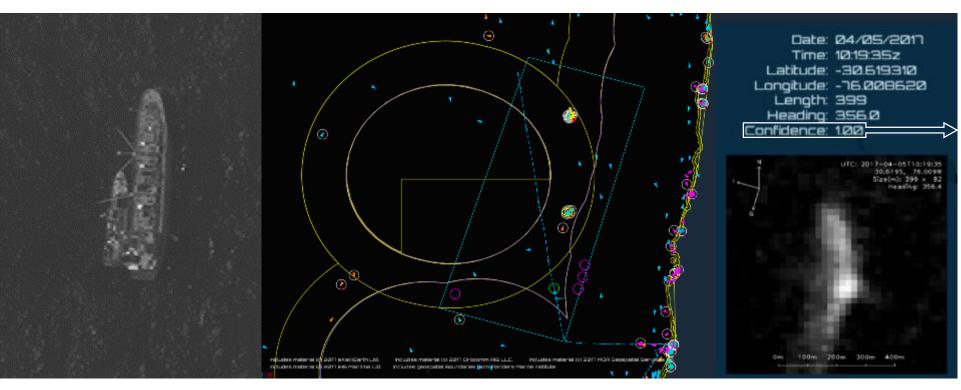


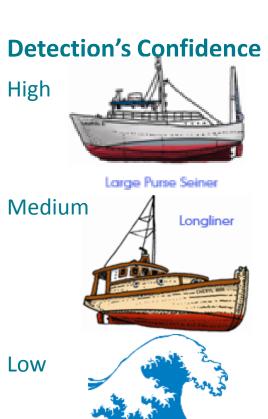
- Automated track analysis developed for different types of:
 - Longline
 - Trawl
 - Purse Seine
 - Transhipment
 - Port identification (including steaming to and from)
 - Stationary at sea
- ML used in context of rules



REMOTE SENSING

- High resolution optical imagery
- Synthetic Aperture Radar (SAR)





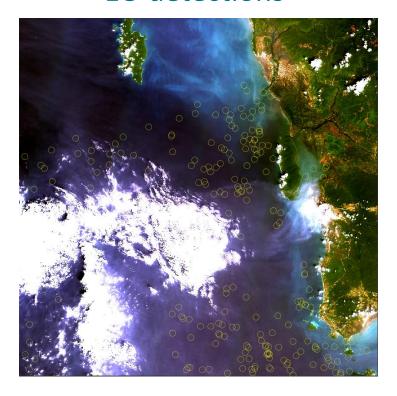
Correlation

REMOTE SENSING

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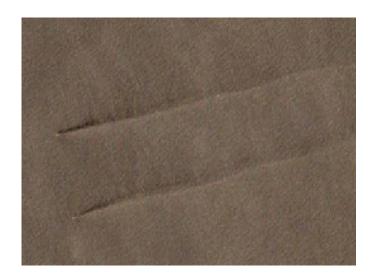
• Electro-Optical (EO)

EO detections



Fishing Activity with EO

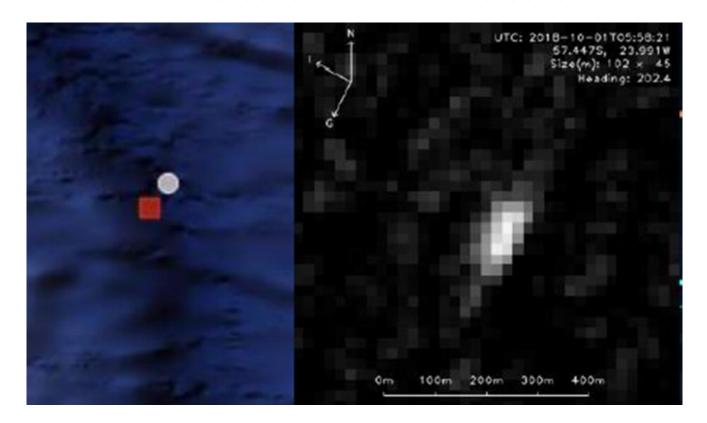




OCEAN MIND

• Visible Infrared Imaging Radiometer Suite (VIIRS)

VIIRS detections with SAR detection

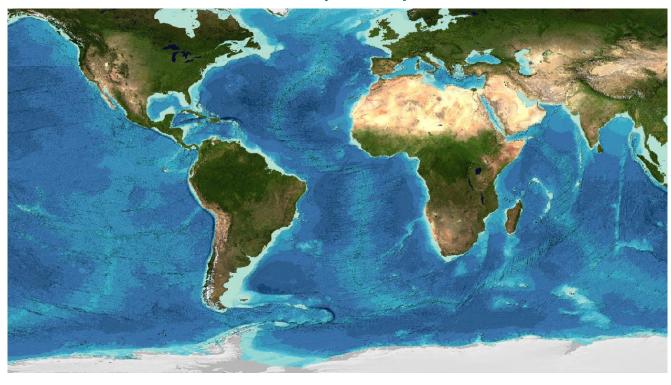


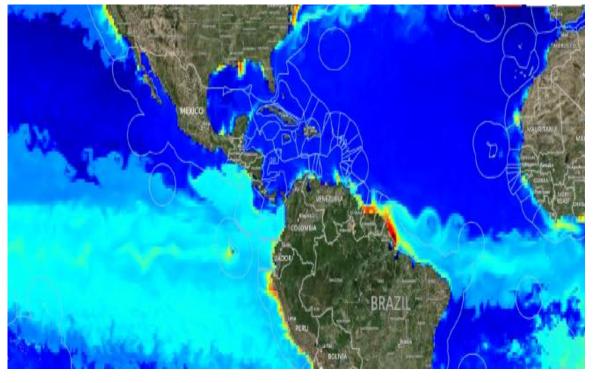
Oceanographic Drivers



Bathymetry

Chlorophyll







THANK YOU FOR YOUR TIME

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