



REGIONAL MARITIME SECURITY UPDATE

**INFORMATION FUSION CENTRE
INDIAN OCEAN REGION**



VISION

To be a Nodal Centre of Excellence for promoting collaborative maritime safety and security; towards a peaceful, stable and prosperous Indian Ocean Region

MISSION

Enhancing Maritime Domain Awareness and coordinating activities, through Information Sharing, Cooperation and Expertise development; along with partner nations

The Centre was formally notified by IMO in April 2019

Charter & Role

Monitoring, Validation and Compilation of Maritime Information

Sharing of Analysis with Partners and Maritime Stakeholders



REGIONAL MARITIME INFORMATION HUB

Exchange of Operational Information with Partner Nations

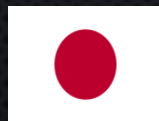
Capacity Building of littorals through **Expertise Sharing/ Training**



International Liaison Officers



ILOs from 12 Countries deputed at the Centre





Working-Level Linkages



68 International Linkages

PoCs in National Agencies & Multinational Constructs/Centres



Interactions - Visits



Shri. Rajnath Singh, Defence Minister



High Commissioner, Australia



Minister of Defence, Tanzania



Vice Minister of Defence for International Affairs, Japan



Chief of Navy, Sri Lanka

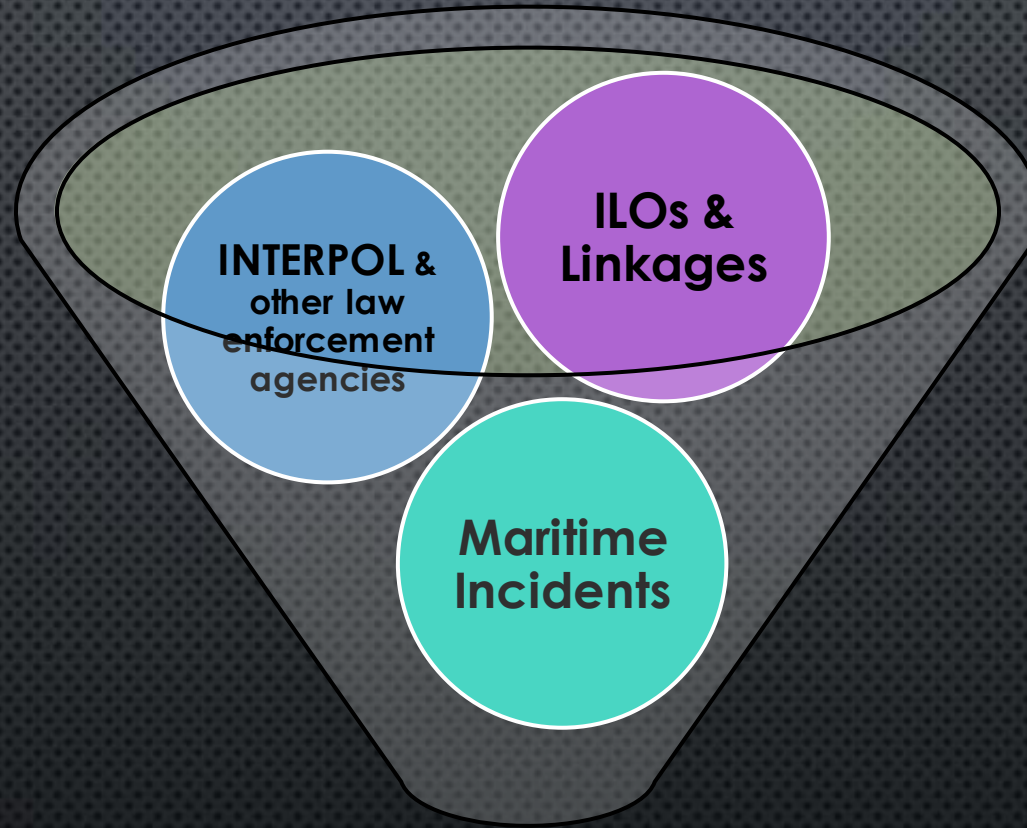


US Congressional Staffers

Information – Updates & Analysis



Operational Inputs



Shared with relevant partners

Capacity Building



Maritime Information Sharing Workshop



MDA/ Interoperability Workshop



Goa Maritime Conclave



Coastal Security Workshop for BIMSTEC Countries



Maritime Data Management Course for East Africa Standby Force



MILAN

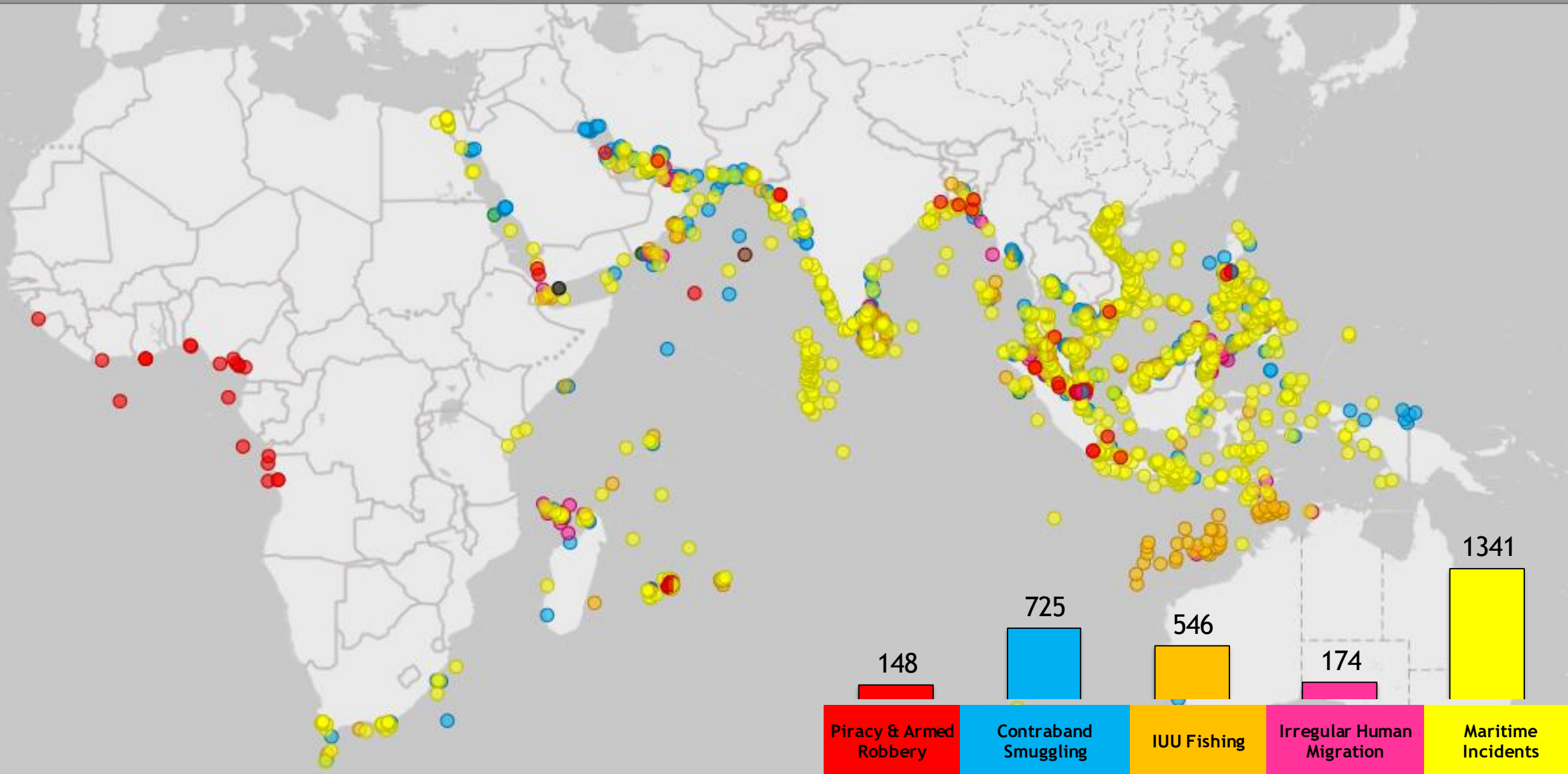
Indian Ocean Region



15 - 17 THOUSAND VESSELS AT ANY TIME



Maritime Security Scan : Jan – Sep 23





Emerging MARSEC Threats



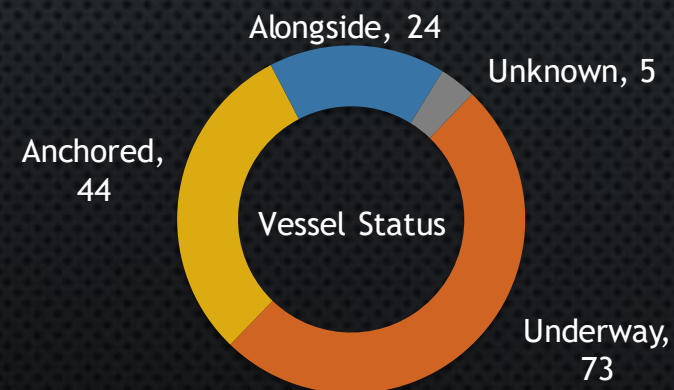
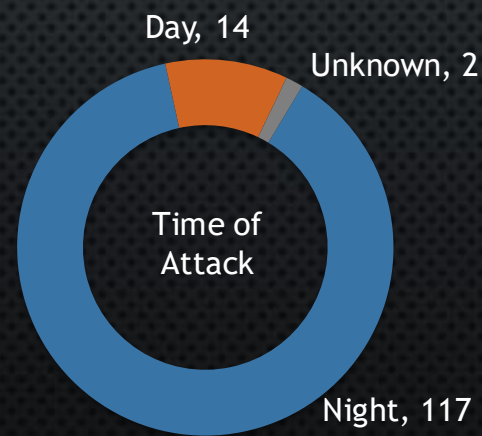
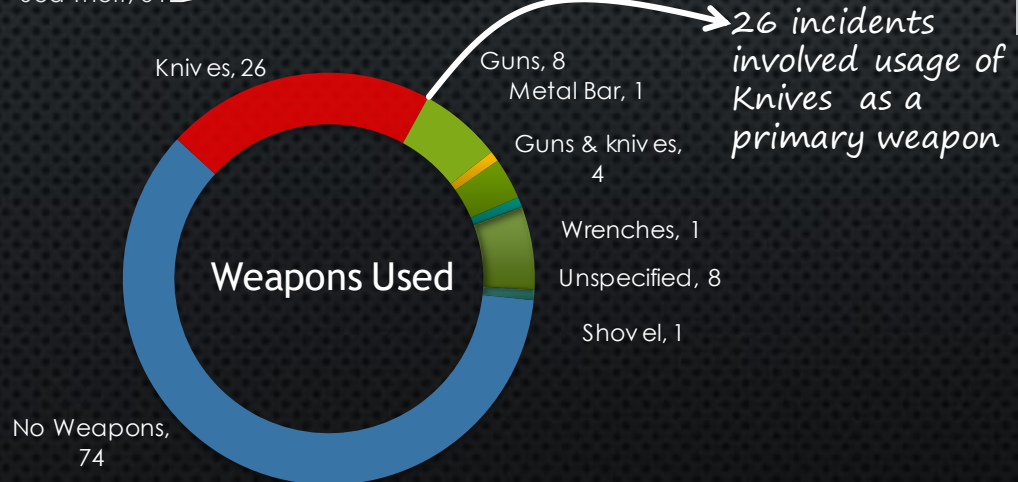
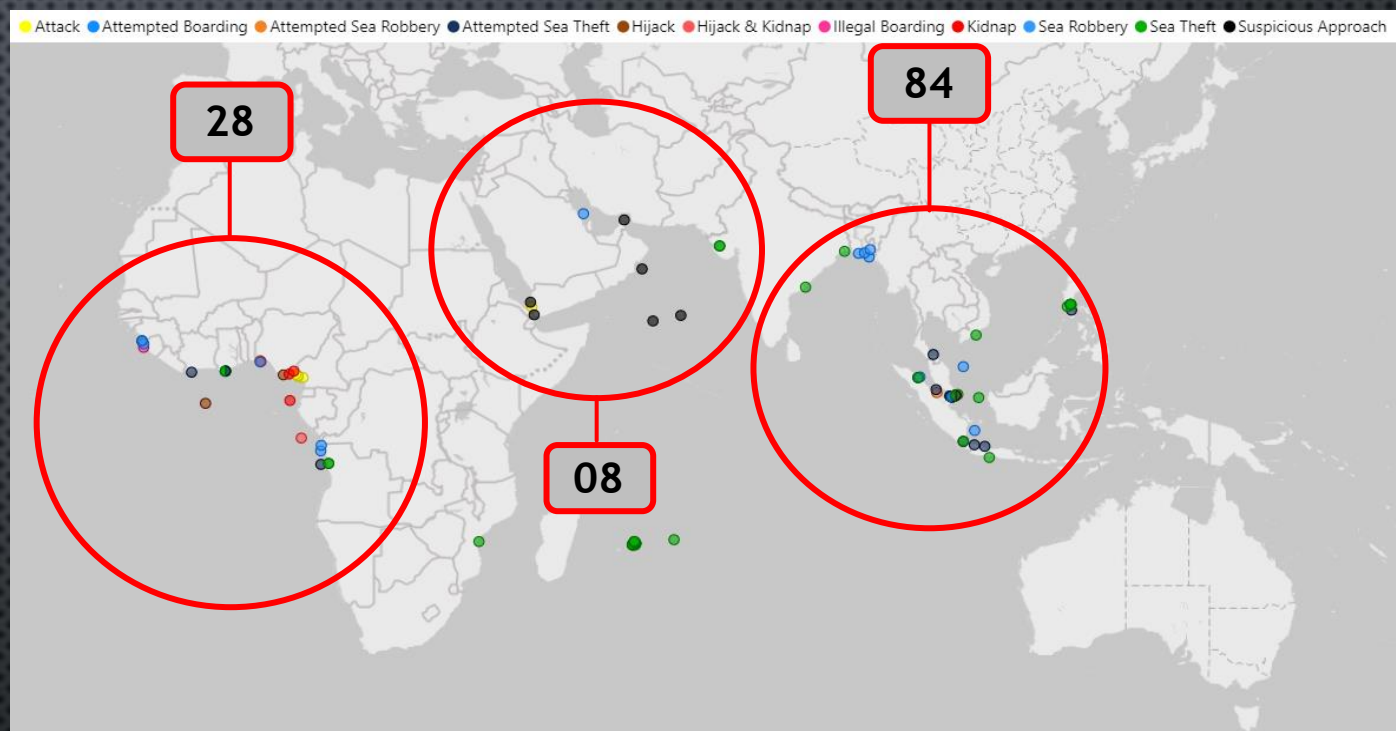
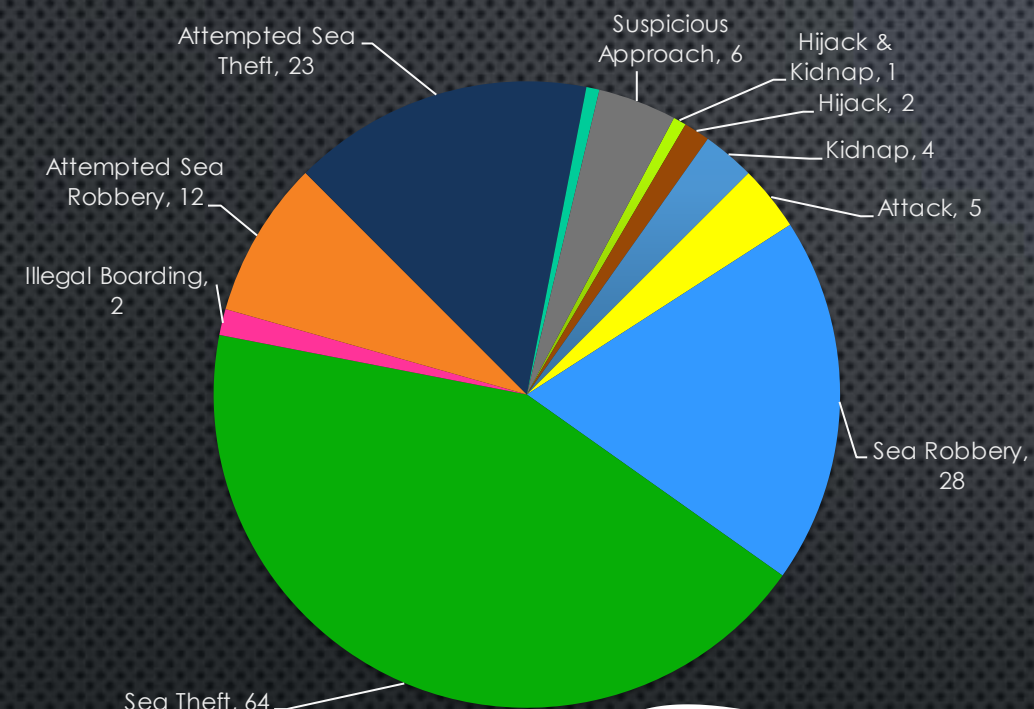
Maritime Security Threats (Hybrid)

Cyber Threats in Maritime Domain

Marine Environment Pollution

Climate Change & Security

Piracy & Armed Robbery

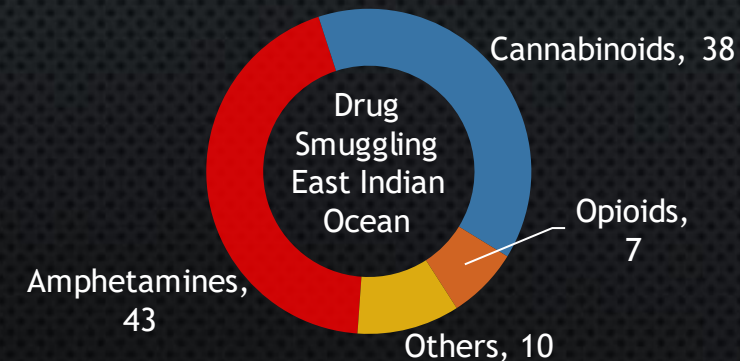
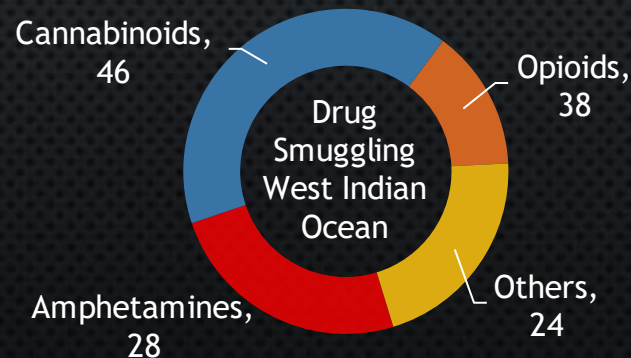
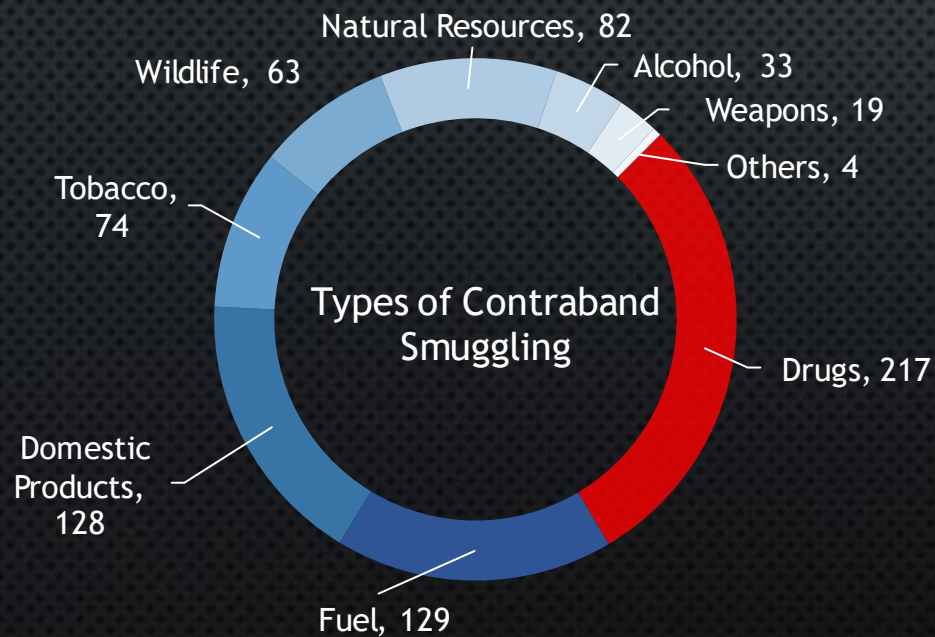
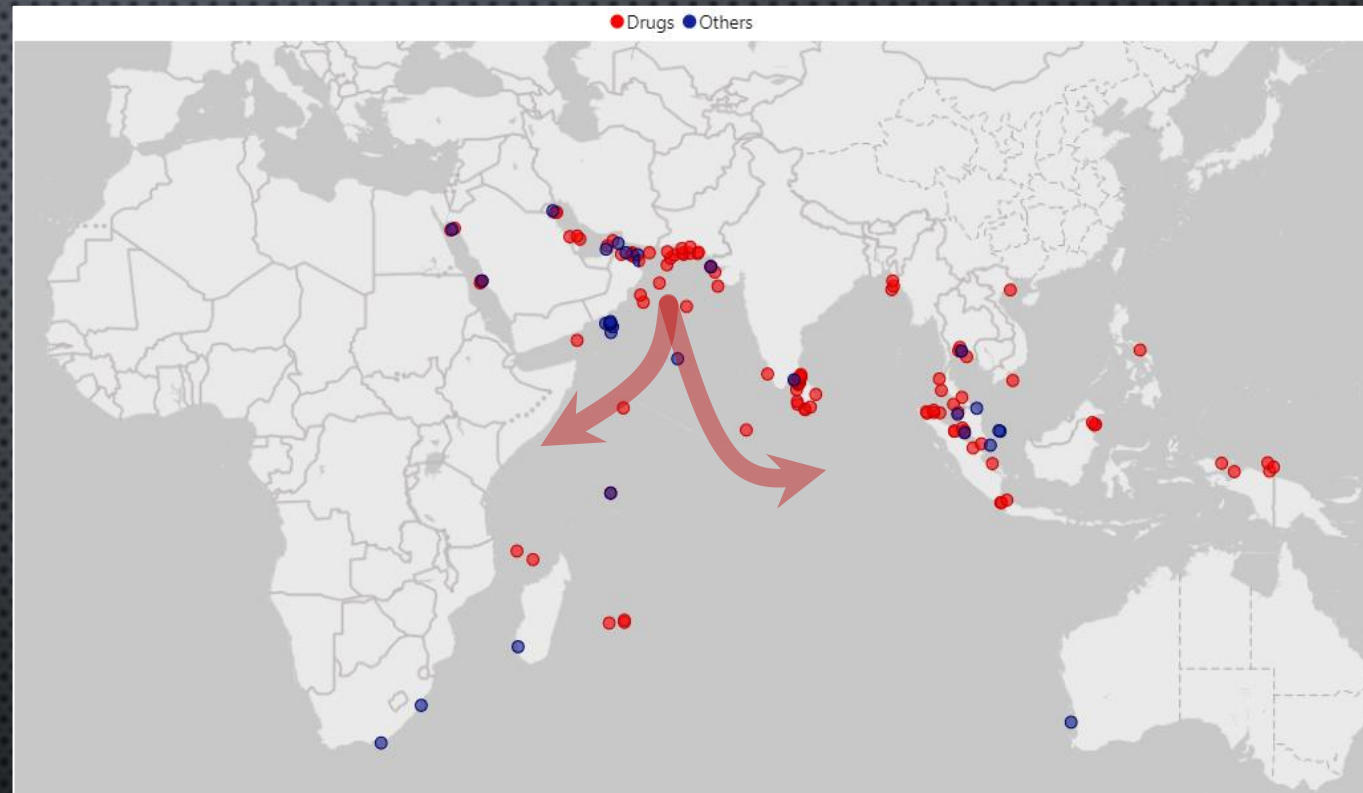


Contraband Smuggling

Golden Crescent & Golden Triangle

Sea Routes Increasingly Preferred

Drugs moving in containers



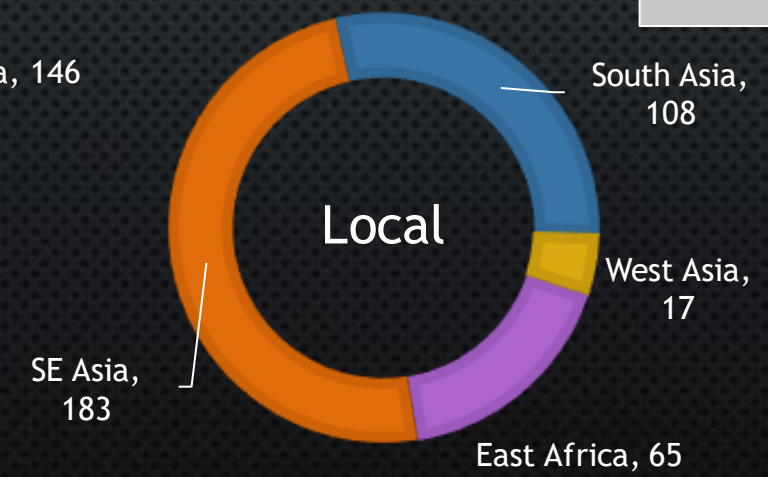
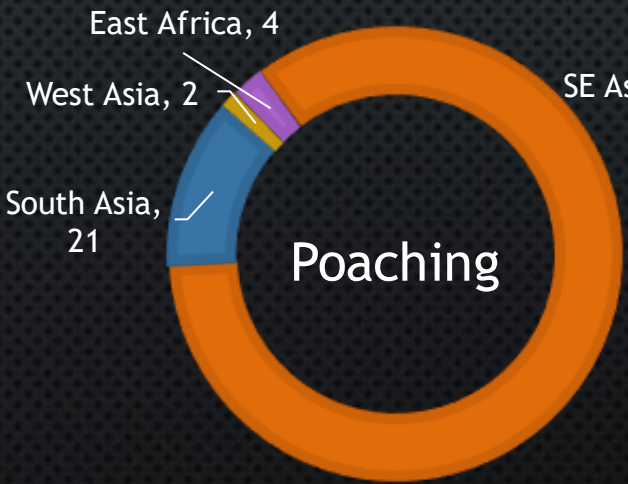
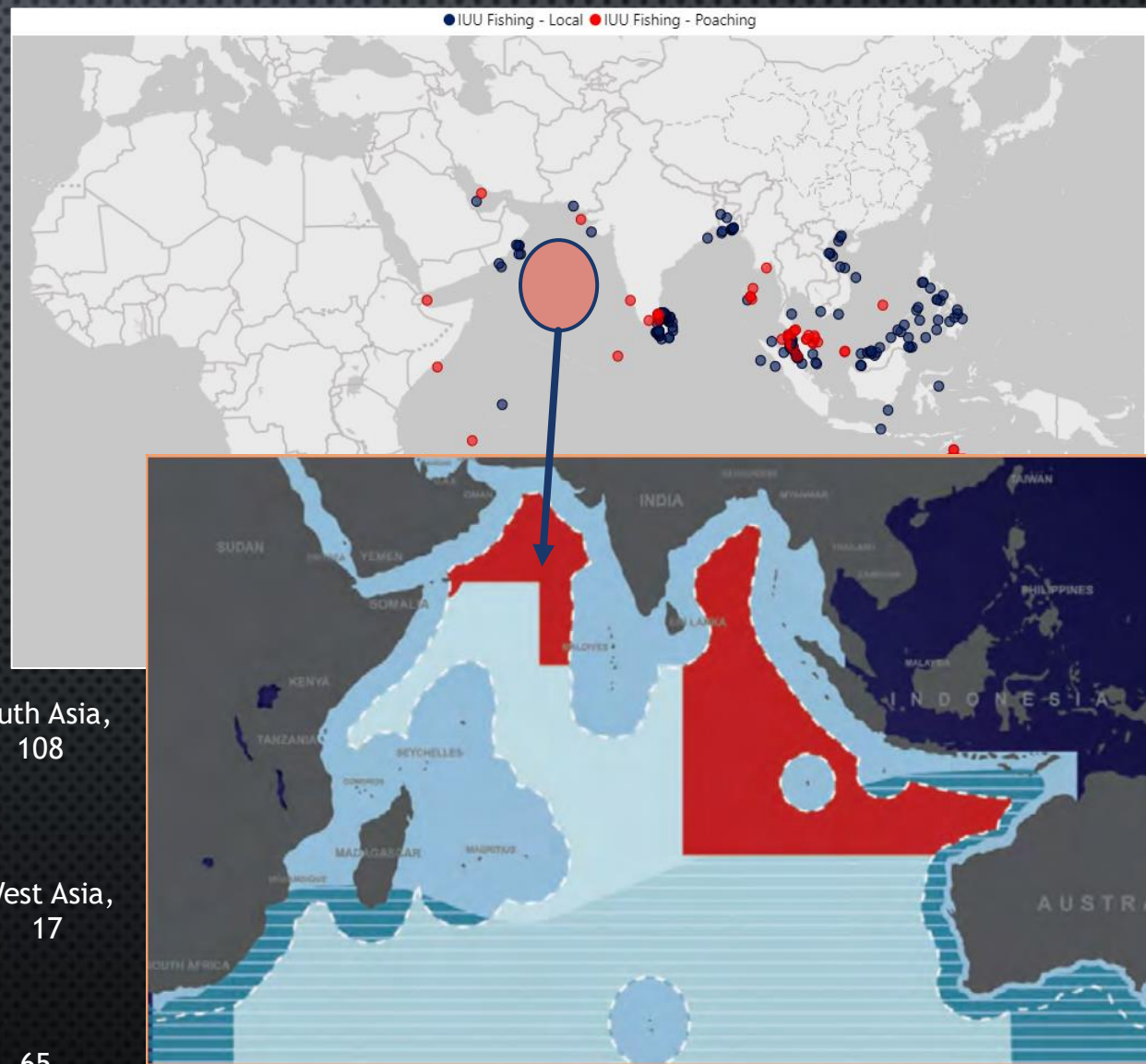
IUU Fishing

10 - 23 Bn USD IUU Fishing Globally

Impact on Economy & Food Security

Linked to other Maritime Crimes

Legal Gaps



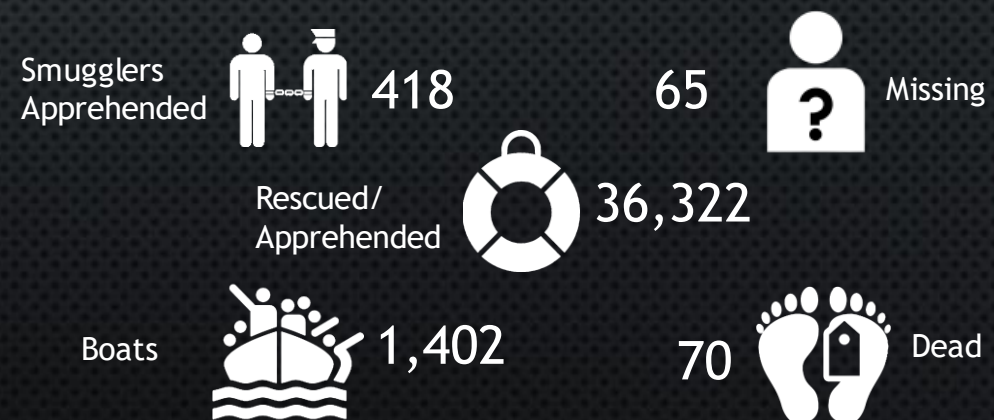
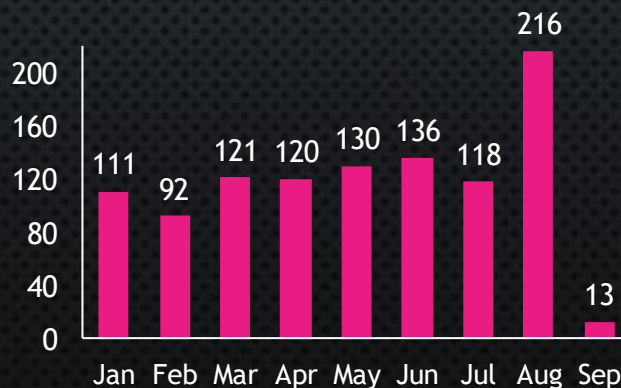
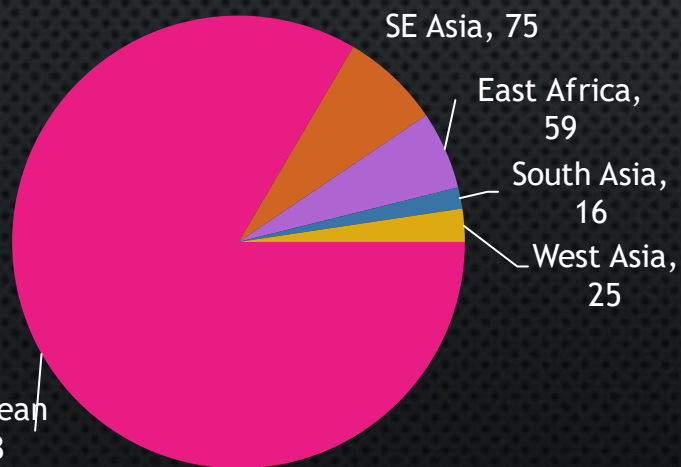
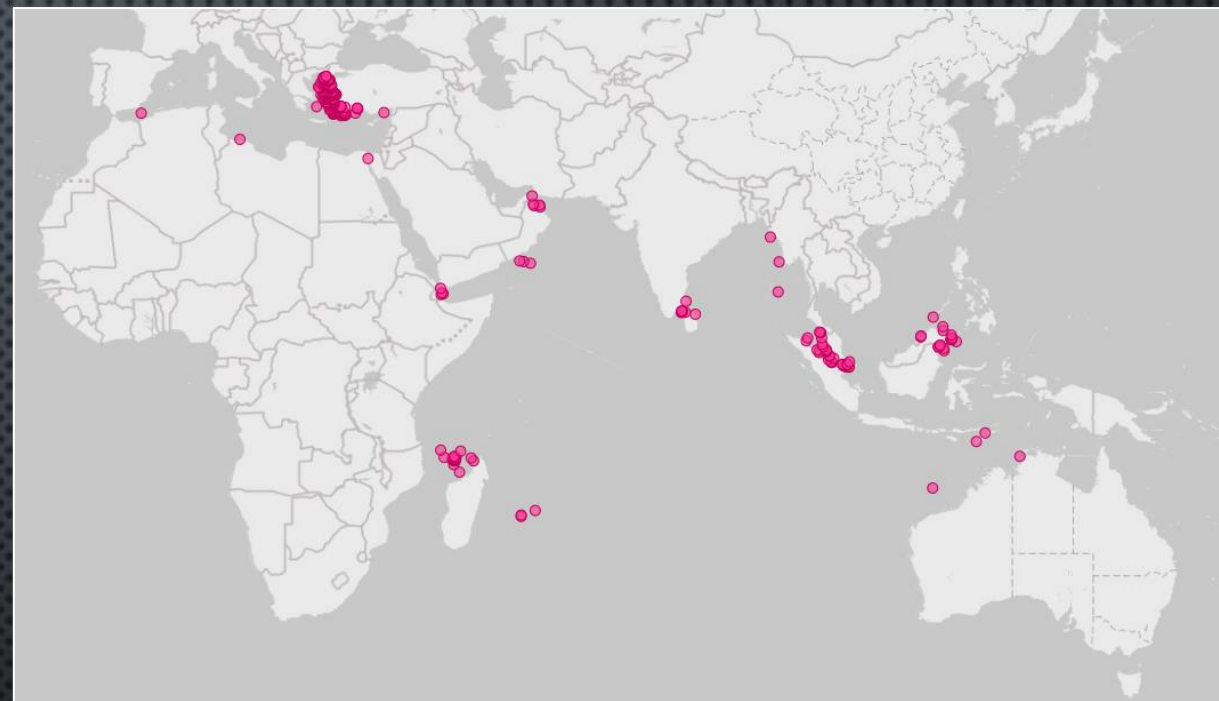
Irregular Human Migration

Human migration using maritime routes

Small overcrowded boats & long journeys

Favourable Weather in Mediterranean Region

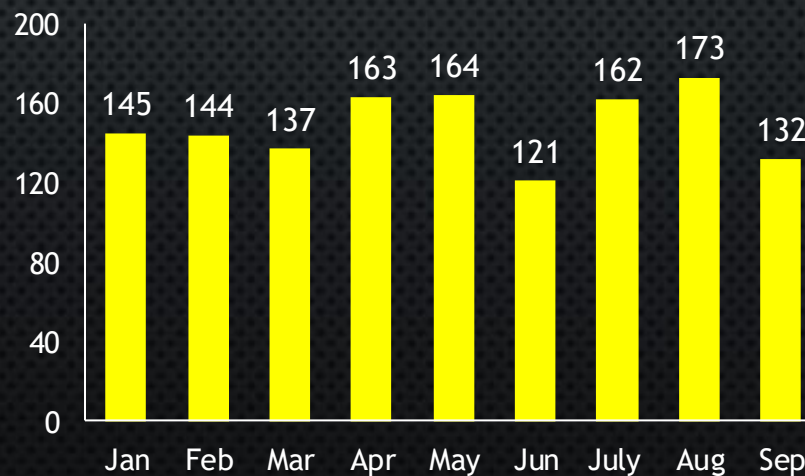
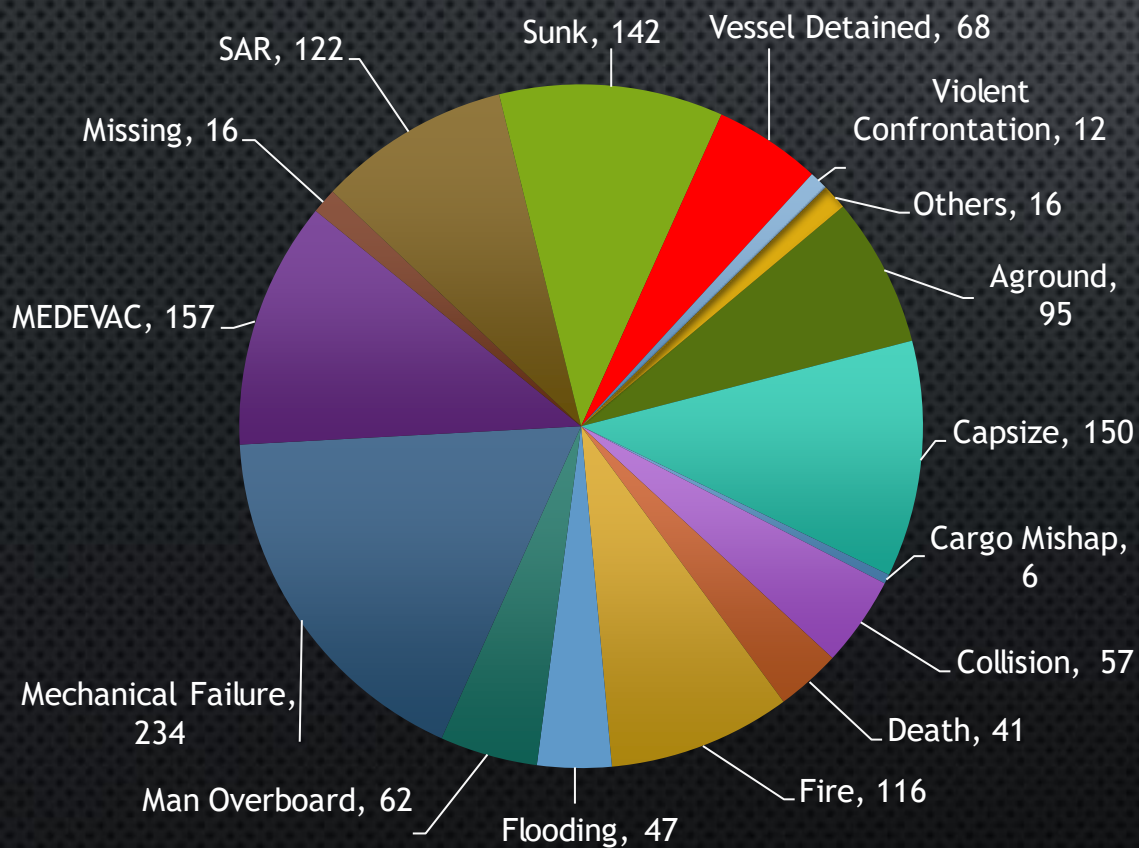
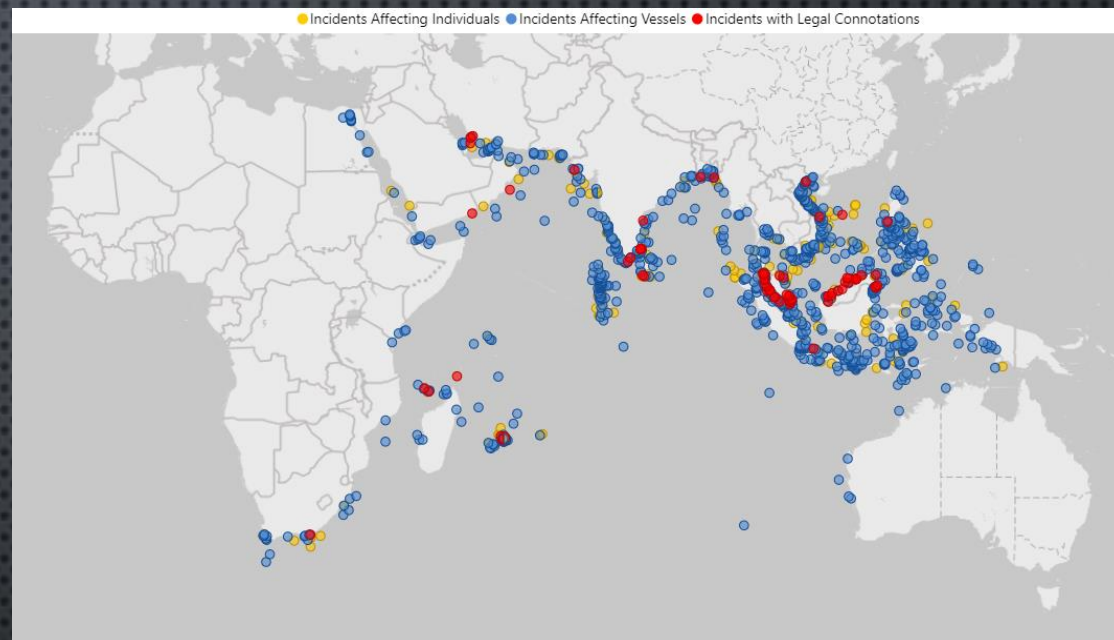
Inflatable Boats as means of transport



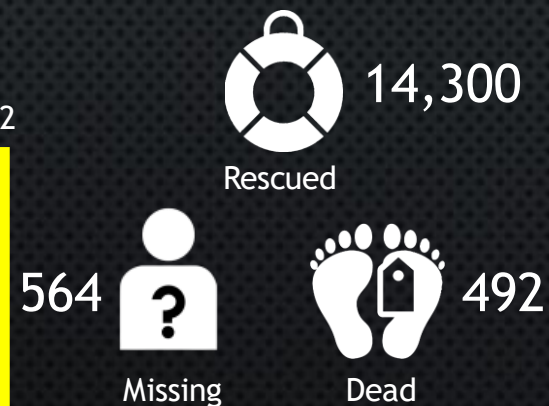
Maritime Incidents

Small Vessels involved in large number of incidents

Majority close to the Coast



Casualties



Maritime Security Threats (Hybrid)

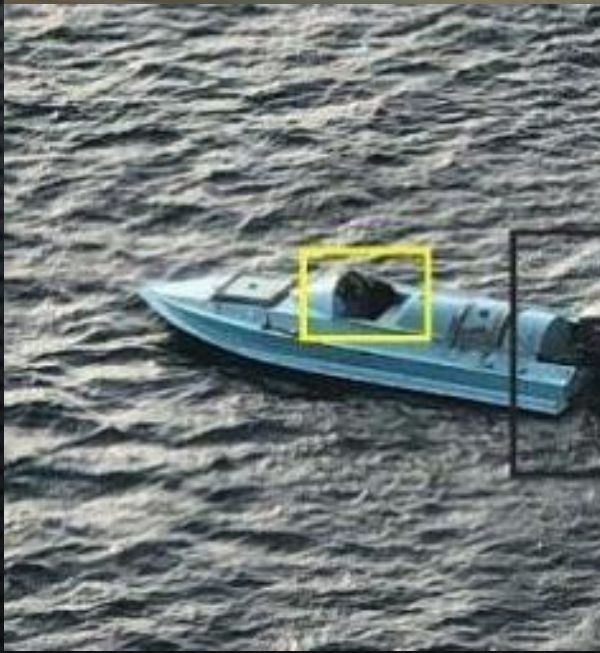
Conflict Related Incidents

Mines

Water Borne IEDs (WBIEDs)

Remote Controlled WBIEDs

Aerial Threats



Cyber Threats

IMO resolution – Cyber Security Risk Management

Most incidents – ransomware attacks

Recent notable cyber attacks in maritime domain

- Ransomware attack on German shipyard - Apr 23
- Ransomware attack on US Navy infrastructure - May 23
- Ransomware attack on shipping websites, Israel - Jun 23
- Ransomware & DDoS attacks on port websites, Netherlands - Jun 23

Vulnerability of submarine cables



Marine Environment Pollution

MV PRINCESS EMPRESS

- *MV PRINCESS EMPRESS* sank off Philippines - 28 Feb 23
- 900,000 L of industrial fuel leaked into the sea
- *MV EFES* rescued all crew members
- Clean up effort by Philippines Coast Guard



Conclusion



Collaboration is the key...

Information Fusion Centre – Indian Ocean Region



www.indiannavy.nic.in/ifc-ior



ifc-ior.gurugram@navy.gov.in



[@IFC_IOR](https://twitter.com/IFC_IOR)

Avenues for Cooperation

Linkages between focal points of DCoC/ JA & IFC-IOR

Positioning of International Liaison Officer from DCoC/ JA

Visit to IFC-IOR & understand Centre's capability

MDA Training for DCoC/ JA members

Sharing of Reports & Analysis

Collaboration is the key...