

IFC Regional Maritime Security Situation Brief

Environmental Security & Maritime Cyber Security

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Information Fusion Centre (IFC)



IFC – Regional MARSEC Info-Sharing Hub



IFC Info-Shares with MARSEC and Shipping Partners to Ensure Safe and Secure Seas

Strong Community of International Liaison Officers

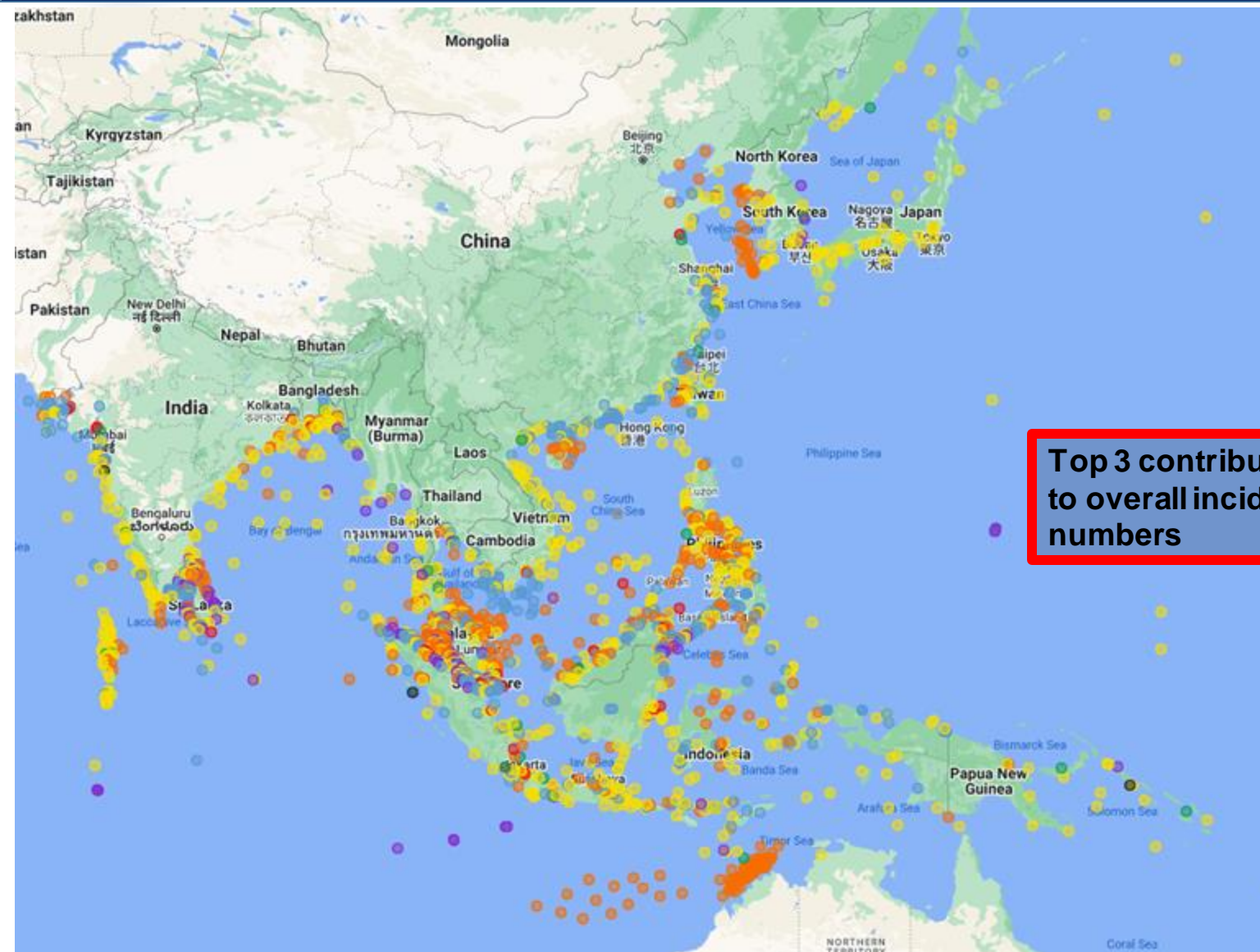


213 ILOs from **26** Countries

ILOs Contribute Extensively with their Unique Professional Experiences and Domain Knowledge



Overview of MARSEC Incidents in 2022



Top 3 contributors
to overall incident
numbers

2022	Compared to 2021	
104	↑ +13%	Theft, Robbery & Piracy at Sea
0	↓ -1	Maritime Terrorism
1,186	↑ +8%	Maritime Incidents
559	↑ +54%	Illegal, Unregulated, Unreported Fishing
823	↑ +47%	Contraband Smuggling
253	↑ +172%	Irregular Human Migration
32	↓ -24%	Environmental Security
3	↑ +3	Cyber Security
2,960		↑ +31%



Environmental Security (ENVSEC) Definitions

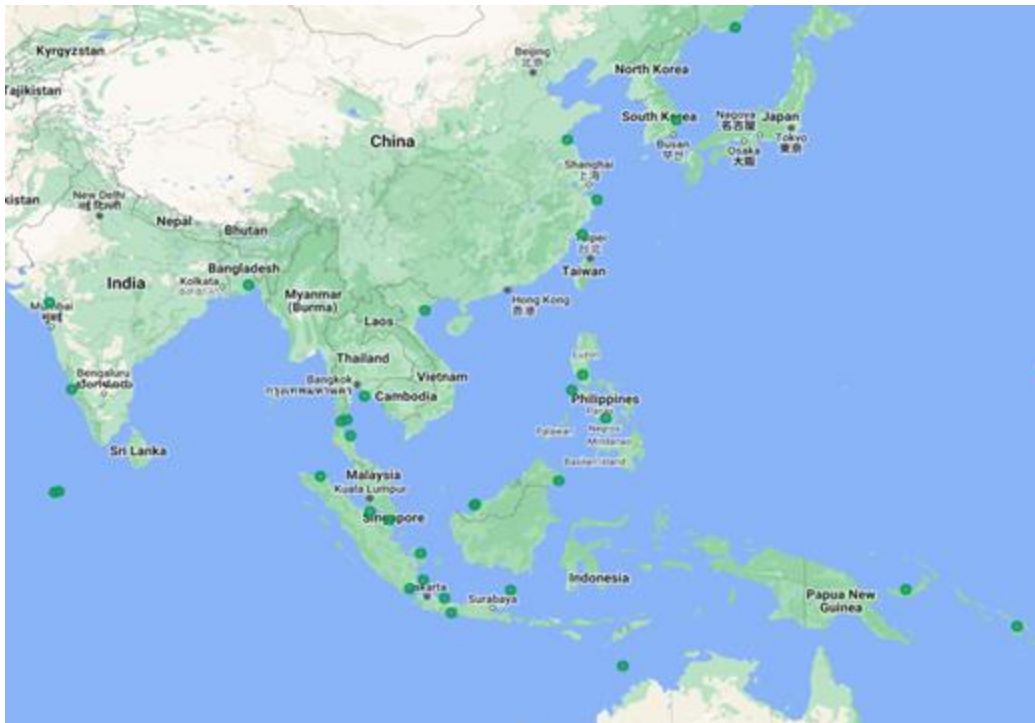
ENVSEC Classifications	Explanatory Notes
Maritime Pollution (MARPOL)	Refers to Liquid pollution (Oil spills, discharge / leak of oil or sewage); Air pollution; Solid pollution (illegal discharges of waste, garbage, plastic, etc.) which includes: on board record violation (as oil blending) and noise pollution
Maritime Illegal Exploitation (MIE)	Exploitation of Oil and gas, Flora and Biological and Mineral resources (nodules, etc.)
Contagion	Transmission of viruses through maritime means
Others	Any Maritime Environment Security incidents not explicitly fall into ENVSEC classifications such as, but not limit to, harmful or fatal incident of marine life, etc.



Environmental Security (ENVSEC)

Number of ENVSEC incidents in 2022: 32

↓ **-24% vs 2021**
42 incidents recorded in 2021



- The decrease in incidents was due to the lower number of Covid-19 infections reported at sea
- Number of ENVSEC incidents is expected to increase in 2023 as the industry improves in its reporting of ENVSEC incidents

Type of incidents



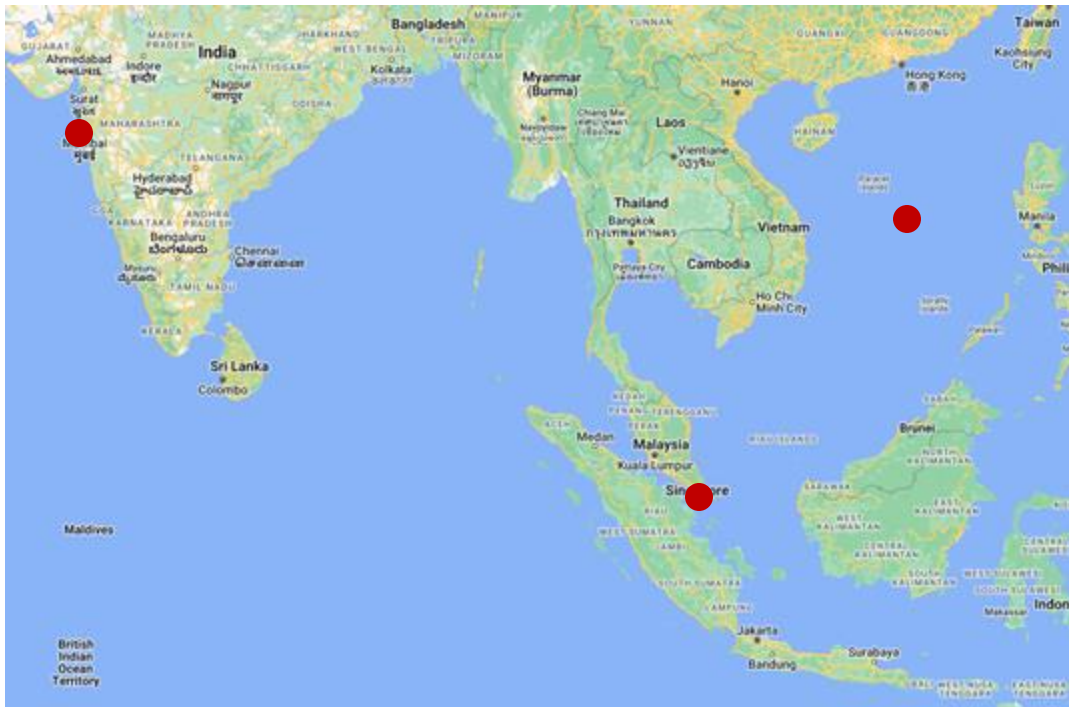


Maritime Cyber Security (CYBSEC)

Number of CYBSEC incidents in 2022: 3

↑ +3 vs 2021

No incidents recorded in 2021



- 3 incidents were reported in 2022; the most significant incident was at Jawaharlal Nehru Port Container Terminal in India
- IFC expects CYBSEC cases to increase in 2023; encourages maritime stakeholders to continue reporting cyber incidents to the relevant authorities
- IFC recommends companies to implement cyber security facility protection plans



INFORMATION FUSION CENTRE



LTC LESTER YONG
HEAD IFC



LTC DANIEL NG
DEPUTY HEAD IFC

Safe and Secure Seas for All

International Liaison Officers



LCDR TIMOTHY
DAVID LAIRD
AUSTRALIA ILO



LT MOHAMAD HAZIQ
BIN MOHAMMAD
BRUNEI ILO



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KRAISING
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RANDALL
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EDWARD PARRA
UNITED STATES
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CAPT PHUNG
TRUNG DONG
VIETNAM ILO

RSN Team



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HEAD OPERATIONS



MAJ SURENDRAN
HEAD EXERCISES AND
ENGAGEMENT



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INFO-SHARING
EXPERT



ME3 SETH ANG
INFO-SHARING
EXPERT



ME3 EDWARD CHO
INFO-SHARING
EXPERT



ME3 MARTIN TAN
INFO-SHARING
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