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CRIMARIO II
INTERCONNECTING
THE INDO-PACIFIC

MOVING FROM SITUATIONAL AWARENESS TO SITUATIONAL UNDERSTANDING AND ACTION

Defence and Intelligence Summit

- 16 May 2024 -

By Martin Cauchi Inglott

Project Director



CRIMARIO II, part of the Critical Maritime Routes Programme,
is an European Union initiative implemented by Expertise France



CRIMARIO (PROJECT) DESCRIPTION AND OBJECTIVES

- Enhance maritime governance
 - EU Indo-Pacific Strategy for Cooperation
 - EU Maritime Security Strategy
- Benevolent Ambitions
 - Win-win as maritime trade will be less affected.
 - Development Aid Budget
- Civmil Approach
 - Operational and Tactical level
- Promote multilateralism
 - Facilitator with Link like-minded partners



Enhance Cross-sectoral Maritime Governance

- Focus on communication and coordination
- Maritime security and safety, and address IUU fishing
- National and Cross-regional

Activities

- Build IORIS Network
- Exercising and Mentoring

Partners

- Over 90 organisations from over 43 countries
- Navies; Coast Guard, Police, Maritime, Fisheries, Customs, Immigration Authorities and Agencies



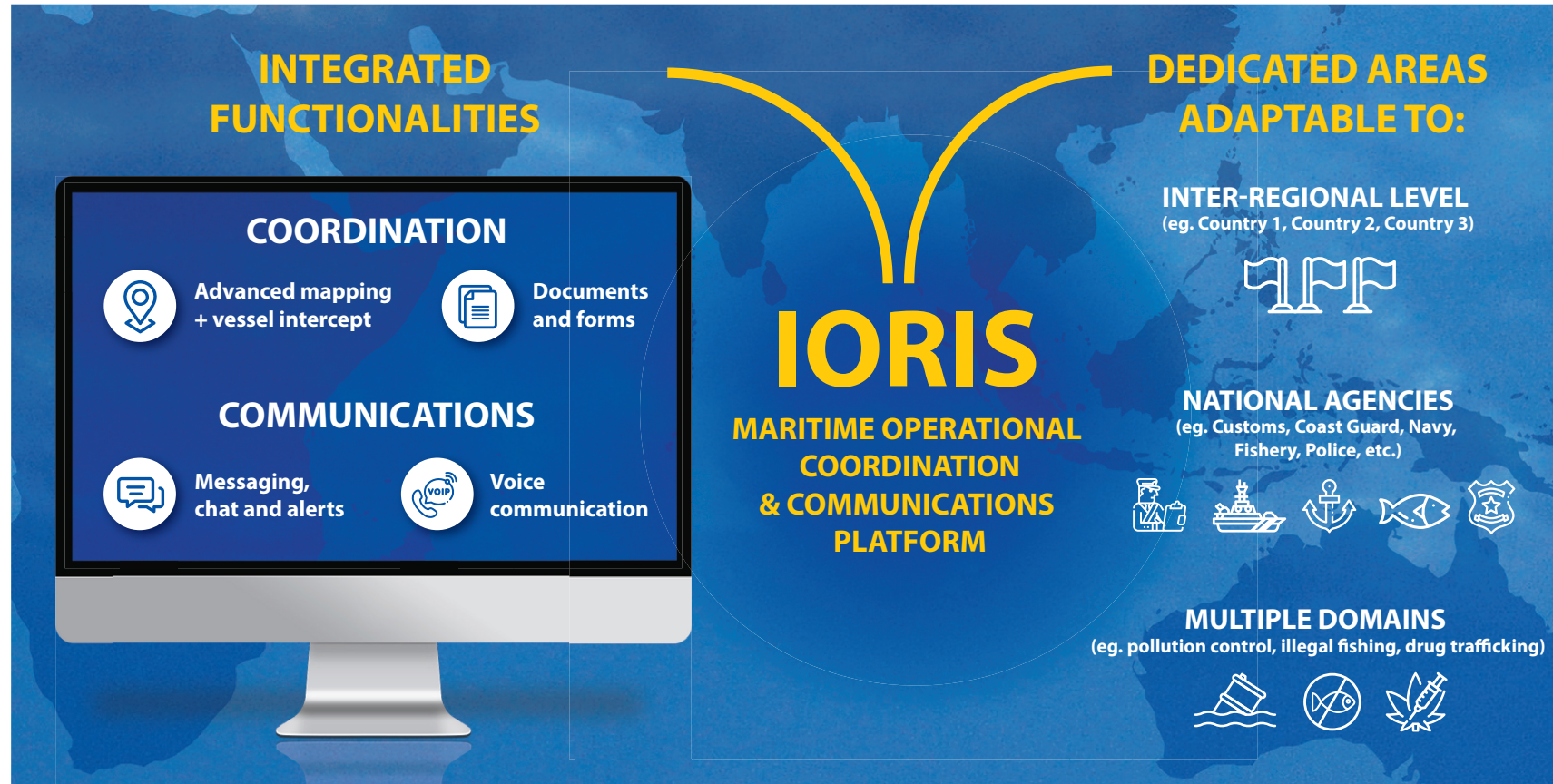


MARITIME DOMAIN AWARENESS SYSTEMS

SYSTEM TYPE	SENSORS
Satellite Sensors	Automatic Identification Systems (AIS), VIERS, Optical detection, Search Aperture Radar, Radio-frequency detection
Coastal Sensors	AIS / Radar / Optical detection
Data Analysis	Sensor data imported and analysed through artificial intelligence
Military: Command/Command/Control Civilian: Cooperation / Communication/ Coordination	Data imported into system, also from databases, fused, compared, and actioned

INFORMATION-EXCHANGE CONSIDERATIONS

- **WHY need to exchange information**
 - Threats / challenges know no borders
 - Prevent / deal with incidents
 - Support friends and partners
- **Issue: HOW we exchange information!**
 - Unsecure / non-professional channels
 - Common trusted platform
 - Regionally Governed
 - Neutral and Secure
 - Users decide what to share and when
- **Challenge 1 – Change culture / mindset**
 - Build trust and confidence
 - Move from one of a “need to know”
 - To “responsibility to share”
- **Challenge 2 – Buy in**
 - High level Political / Military buy-in - positive
 - Implementation - operational level - negative
- **Challenge 3 – Language**
- **Challenge 4 – Int. Complexity of Shipping Industry**

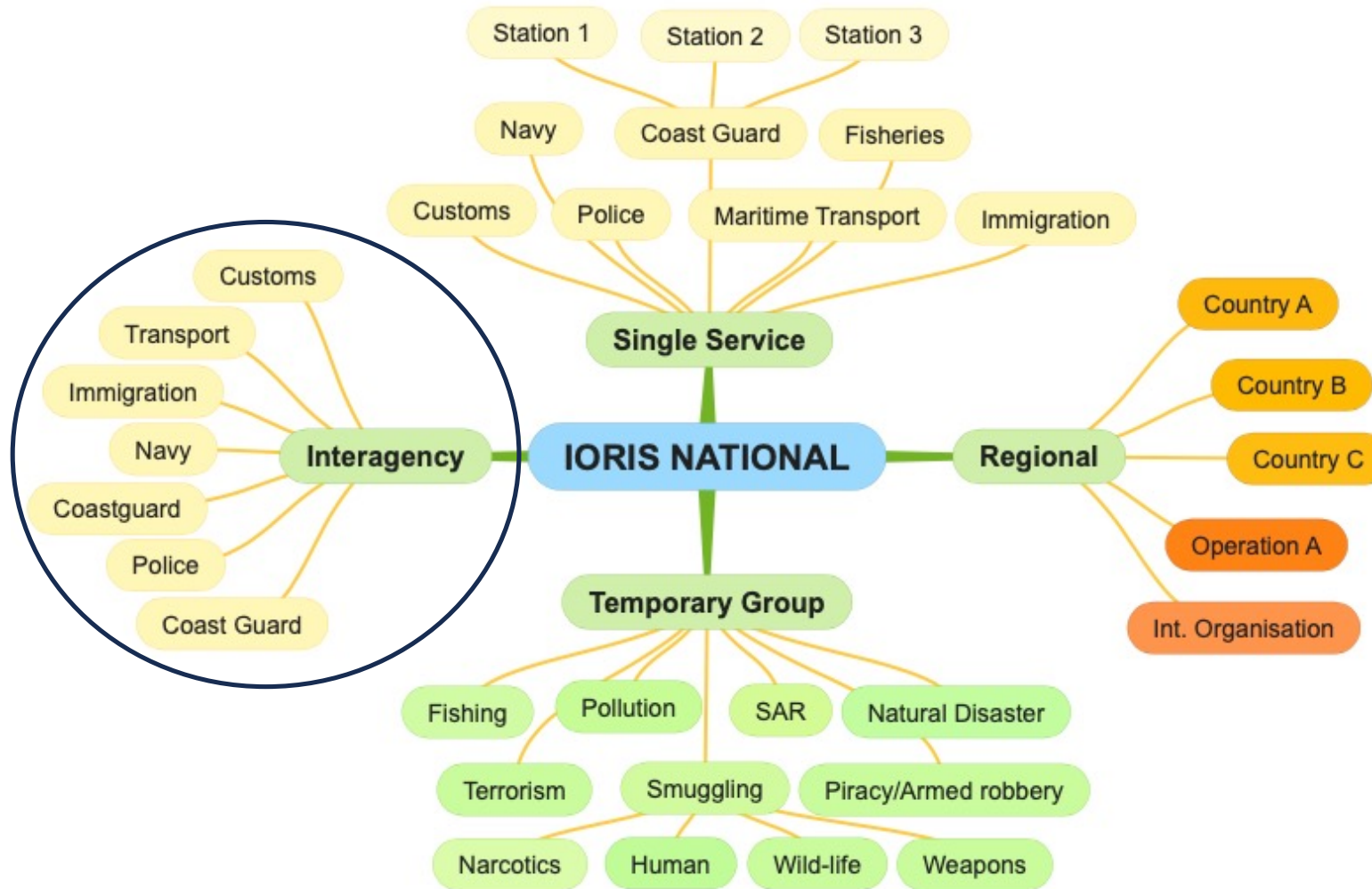


- **Neutral and Secure**
- **Cost-effective**
 - EU Funded (Development Aid)
- **Harmonisation**
- **MarCo3 System**
 - Cooperation, Communication, Coordination
 - Common Maritime Operational picture
 - Virtual Operations Centre
- **Web-based**
 - Low Bandwidth Vessels



IORIS INSTITUTIONALISATION

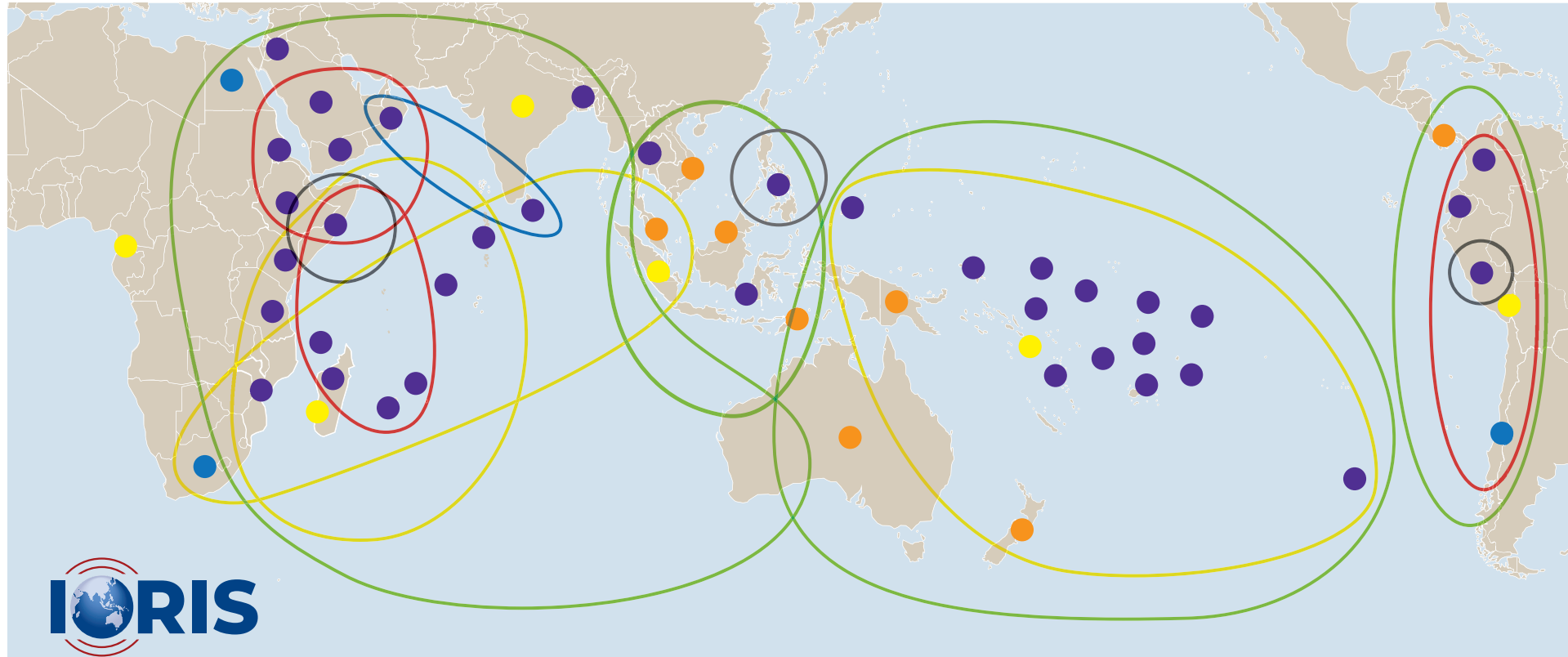
- National / Regional Community Areas -





IORIS INSTITUTIONALISATION

Geographic / Thematic Community Areas (JAN 24)

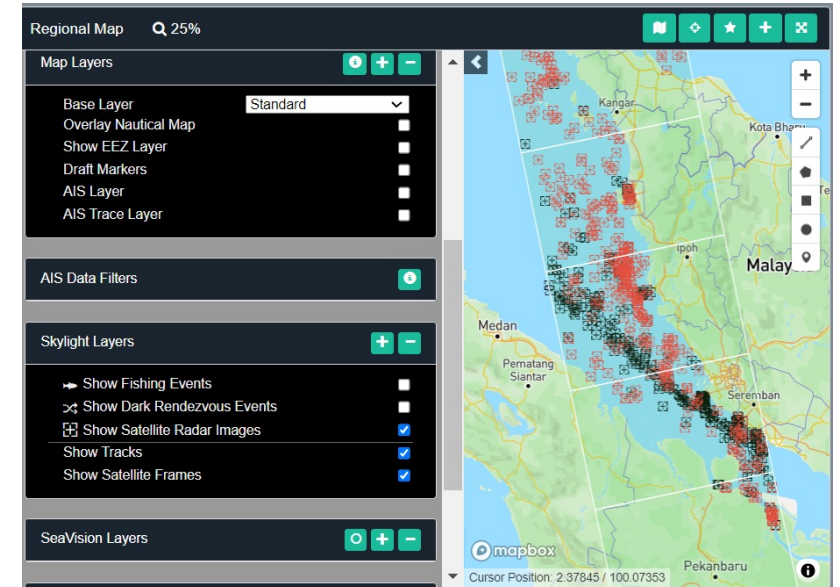
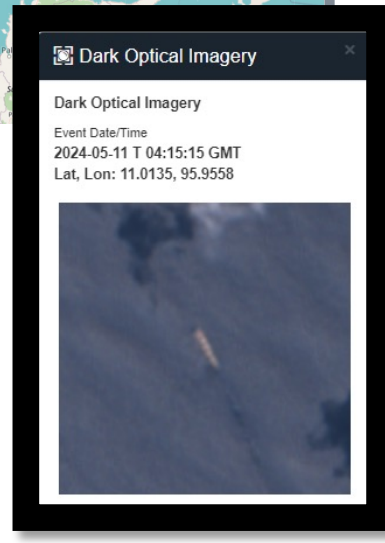
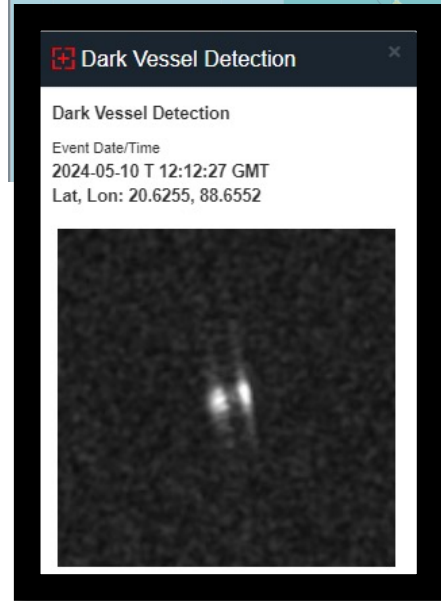
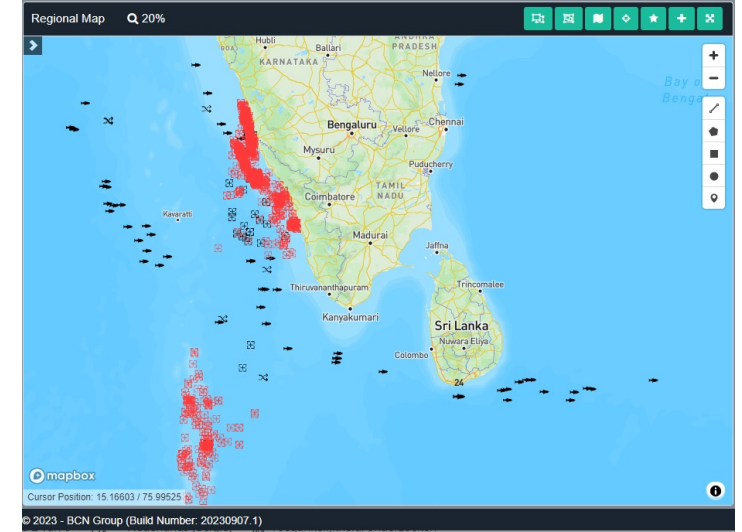
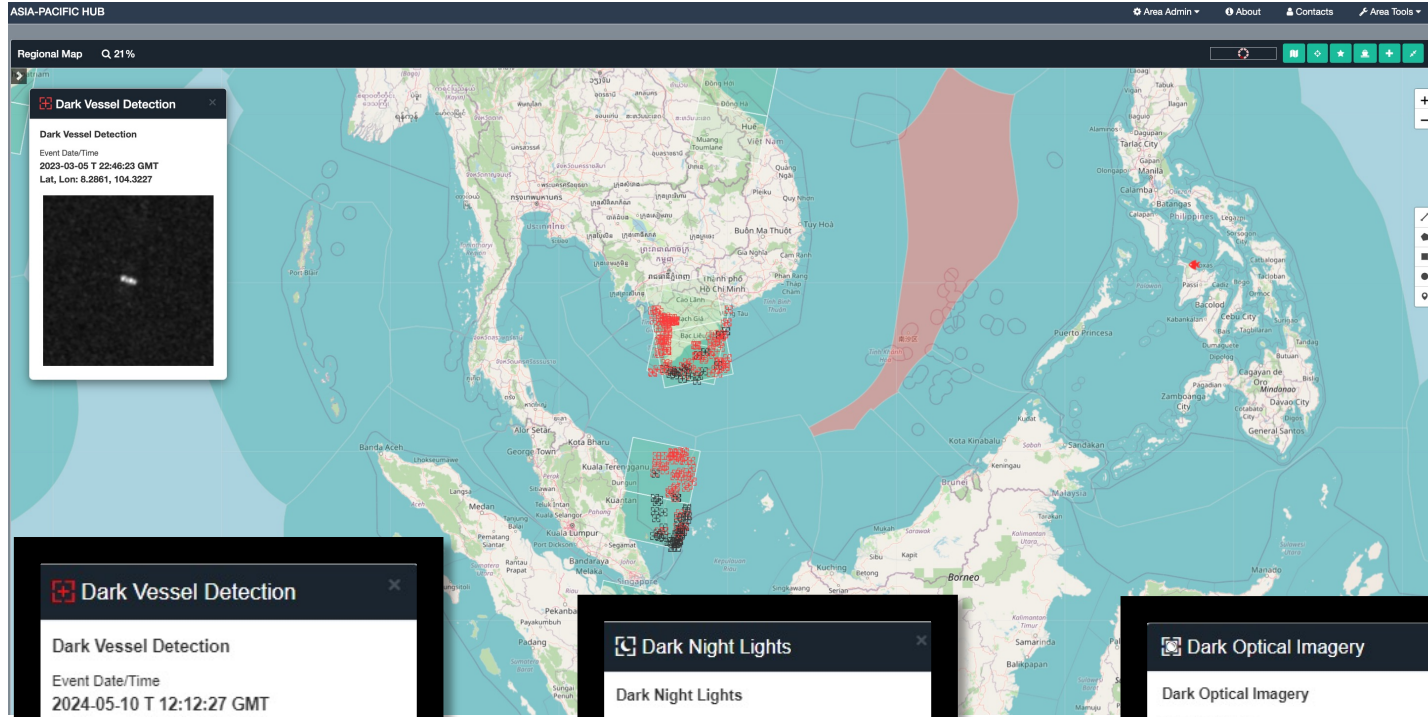


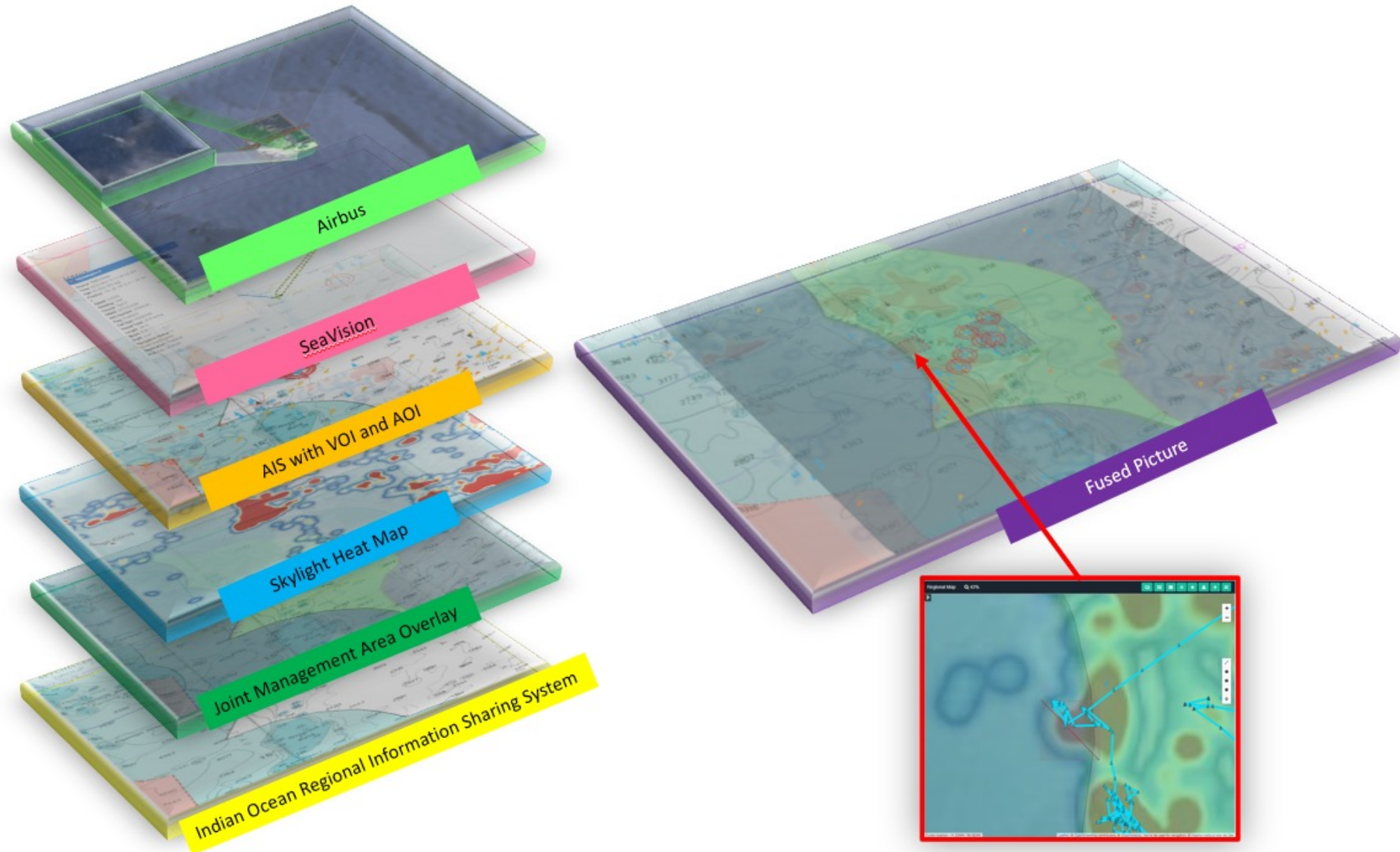
- | | | | |
|---|---|--|---|
|  Hubs |  Bilateral CAs |  Received IORIS Trg |  In discussion |
|  GECA |  NATCA |  Awaiting IORIS Trg |  SHARE.IT initiative |
|  THECA | | | |



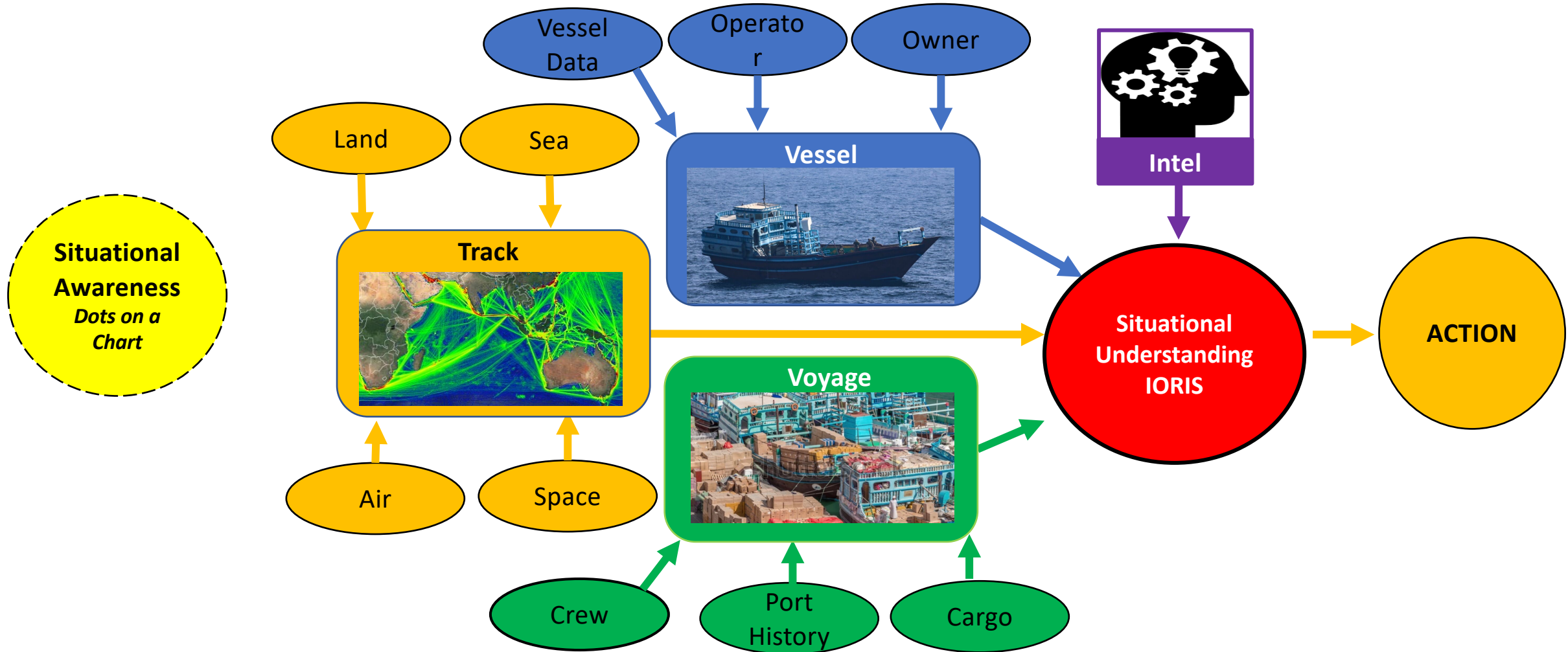
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INTERCONNECTING
THE INDO-PACIFIC

SKYLIGHT OVERLAY: ADDRESSING DARK TARGETS





Moving from Situational Awareness to Situational Understanding and Action





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CONDUCT OF ACTIVITIES



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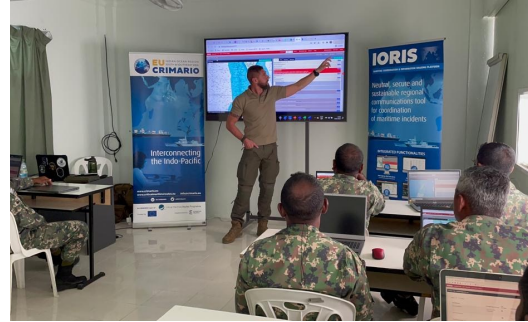




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THE INDO-PACIFIC

PHASE I: TRAINING - IORIS Courses

- Foundation
 - Watchstanders and Analysts
- Management
 - Shift Leaders
- Train-the –Trainer
 - Ensure for sustainability
- SOP
 - Terminology
 - Procedures
 - Level
 - National
 - Regional





IORIS based CRIMASREX WIO / BALINN

- Safety Based
 - Search and Rescue – Airliner in distress
 - 7 Countries / 17 Agencies
- Security Based
 - Narcotics Trafficking



**IS1.4 « Drug »
August 2019**

FINAL DEBRIEF

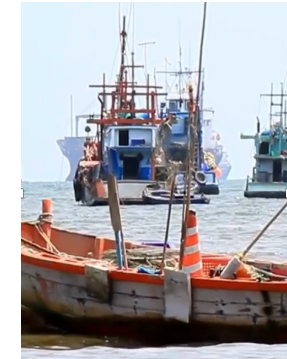
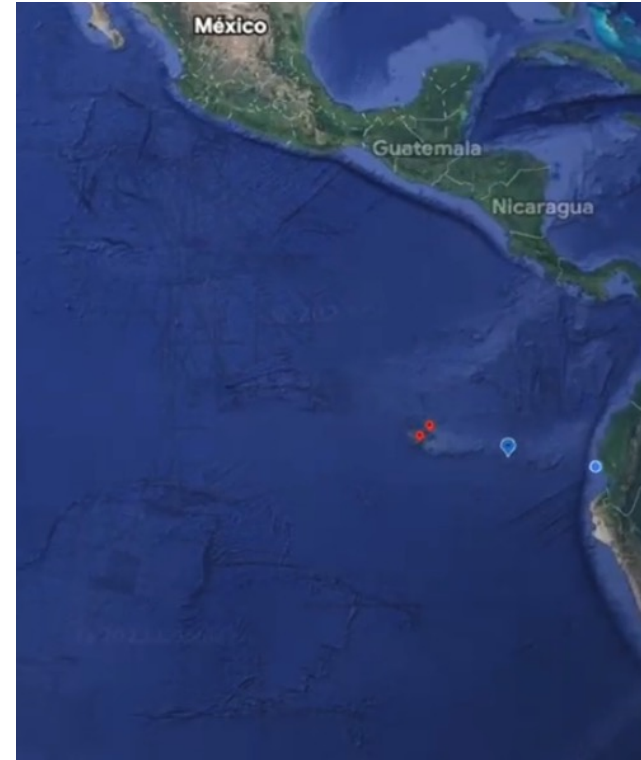
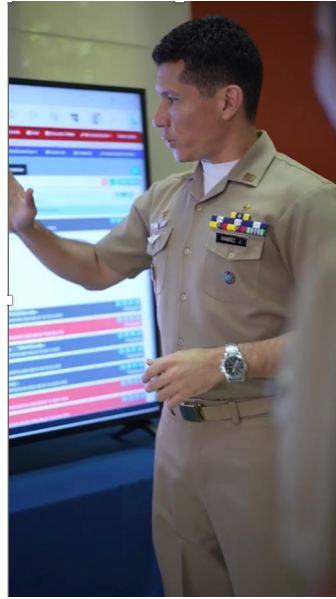
IS1.4 “Drug” was an exercise scheduled and conducted by the EU CRIMARIO project to the primary benefit of Mauritius with the participation of RMIFC in Antananarivo and RCOC in Mahé. It included a local development for Mauritius centered on legal framework concerns and precursors. For the two centers, it aims at training crews in managing the information and draft COA¹ during a drug situation in western Indian Ocean in compliance with their tasks.

It is derived from the PIREX series exercises conducted from June 2012 to June 2014 (five editions) by the MARSIC project.

IS series exercises also covers topics like oil spill, terrorism, human trafficking, piracy, and smuggling.

PHASE 2 - EXERCISES 2/2 : REGIONAL Latin America – Galapex 23 – IUU FISHING

- Organiser
 - Ecuador Navy
- Type
 - Livex
- Focus
 - IUU Fishing
- Participants (Assets)
 - Ecuador
 - Peru Navy
 - USCG
- Participants (shore)
 - Argentina, Brazil, Italy, Mexico, Panama, Peru, UK, US, Venezuela, EU (CRIMARIO)





PHASE 3: MENTORING AND ADVISING

Support Partners develop:

- Strategies
- Policies
- Concepts
- SOPs





PHASE 4: IORIS GOVERNANCE Steering Committee Meeting



- IORIS Community established May 2023
 - Regional Governance Structure
- Active IORIS users define the future
 - 21 – Full Members
 - 16 – Provisional Members
 - 40 – Associate Members
- Observers
 - Int /Regional organisations: IMO, UNODC
 - States: UK, US, Italy
- Policy Board
 - Operational WG
 - Legal WG
 - Technical WG
- Regional IORIS SOP for the Indo-Pacific Endorsed
- Nairobi, Kenya: 16 to 18 October 2023





PHASE 5: OPERATIONALISATION

Red Sea / Horn of Africa



MV LILA NORFOLK



ALMERJI 1



15 January 2024 UTC 08:23:40 Local Time 11:23:40

English Home Notifications Help Chat User Directory My Tools Log Off

ROHA - GECA Area Admin About Contacts Area Tools

Regional Map Q 10%

Messages Forms Documents Active Users Markers

Refresh Page Automatically refresh

ALL ACTIVE USERS IN THE GECA

Area Member Name	Voip	Organisation	Country	Actions
	choose	choose	choose	
LTJG Ataseb Melake Belay	Disabled	ETH: Navy Training Instructor	Ethiopia	Active (13s)
Elie El Sayah	Enabled	CRIMARIO II	Lebanon	Active (3m)
OMSC Duty Officer	Disabled	OMN: Maritime Security Centre	Oman	Active (3m)
Jeddah Maritime Info-Sharing Centre	Enabled	SAU: JMISC	Saudi Arabia	Active (7m)
Head of Ops HQ Ops Centre Hargeisa	Disabled	SOML: Somaliland Coast Guard - Hargeisa	Somaliland	Active (20m)
Watchkeeper MICA	Disabled	MICA: Maritime Info Cooperation & Awareness Centre	France	Active (39m)
Yemen MRASC	Disabled	YMN: Maritime Affairs Authority	Yemen	Active (3h)
Watchkeeper MAA - MRSC	Disabled	YMN: Maritime Affairs Authority - MRCC	Yemen	Inactive (1m)
JOC EUNAVFOR	Enabled	EUNAVFOR	EU - Spain	Inactive (4m)
Watchkeeper - Aqaba Port Control	Disabled	JOR: Maritime Commission	Jordan	Inactive (5m)
Chief Gelinet Abay Gebru	Disabled	ETH: Maritime Authority - Director	Ethiopia	Inactive (25m)
Head Ops PMRF/MOC	Disabled	SOM: Puntland Marine Police Force - MOC	Somalia	Inactive (49m)
Head of Operations Command Centre	Disabled	SOML: Somaliland Coast Guard - Berbera	Somaliland	Inactive (1h)
Adj Ismail Said - Coast Guard Ops Rm	Disabled	DJI: Coast Guard	Djibouti	Inactive (1h)
MICA Indian Ocean	Disabled	ALINDEN	France	Inactive (2h)
Battlewatch Assistant	Disabled	EMASOH	France	Inactive (4h)
Lt Anas Abushanab	Disabled	JOR: Royal Jordanian Navy - Maritime Ops Centre	Jordan	Inactive (15h)
Cdr Kabede Michael Mengesha	Disabled	ETH: Navy Hd Training & Education	Ethiopia	Inactive (20h)
Duty Officer	Disabled	SOM: Somalia Maritime Administration	Somalia	Inactive (1d)
Tony Martorell - JOC Coordinator	Disabled	EUNAVFOR OHQ	Spain	Inactive (5d)

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MONITORING OF GIBRALTER EAGLE SITUATION

Regional Map 25%

Vessel Data:

- MMSI No: 538005171
- Name: GIBRALTER EAGLE
- IMO No: 9702598
- Call sign: V7KJ5
- Vessel Type: Dry Bulk
- Gross Tonnage: 36332
- Latitude: 12.39255
- Longitude: 46.75597
- Nav. status: Under Way Using Engine
- Heading: 048°
- Speed: 12.3
- Time of fix: Mon, 15 Jan 2024 13:04 UTC
- Fix Type: Dynamic

Messages:

- UPDATE piracy attack incident on 12-01-2024**
SOM: Puntland Marine Police Force - MOC (Head Ops PMPF MOC) 2024-01-15 21:05:36 UTC (3 replied)
- DJI: Coast Guard (Adj Ismail Said - Coast Guard Ops Rm) replied: 2024-01-16 04:12:46 UTC (ACK)
- YMN: Maritime Affairs Authority - MRCC (Watchkeeper IAA - MRCC) replied: 2024-01-16 05:08:47 UTC (noted)
- ALINDIEN (MICA Indian Ocean) replied: 2024-01-16 05:56:12 UTC (ack)
- JOC EUNAVFOR - Message
EUNAVFOR (JOC EUNAVFOR) 2024-01-15 17:39:42 UTC (4 replied)
- Incident approximately 57NM North West of Assab, Eritrea**
EUNAVFOR (JOC EUNAVFOR) 2024-01-16 01:02:11 UTC (1 replied)
- UKMTO has received a report of an incident approximately 57NM North West of Assab, Eritrea. Master reports small craft circling his vessel. AST fired warning shots and small craft departed. Vessel and crew are safe, proceeding to next port. Vessels are advised to transit with caution and report any suspicious activity.
- DJI: Coast Guard (Adj Ismail Said - Coast Guard Ops Rm) replied: 2024-01-16 03:10:26 UTC (7 NOTED)

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MV Gibraltar Eagle: Marshal Island flagged / 15 Jan 24 / Houthi-launched Anti-ship Missile



EUNAVFOR ASPIDES: RED SEA AND ITS APPROACHES



Merchant Ship Communication Options:

- Satellite Phone (no record of exchanges)
- INMARSAT C (costly)
- VHF radio (overt)

Proposal:

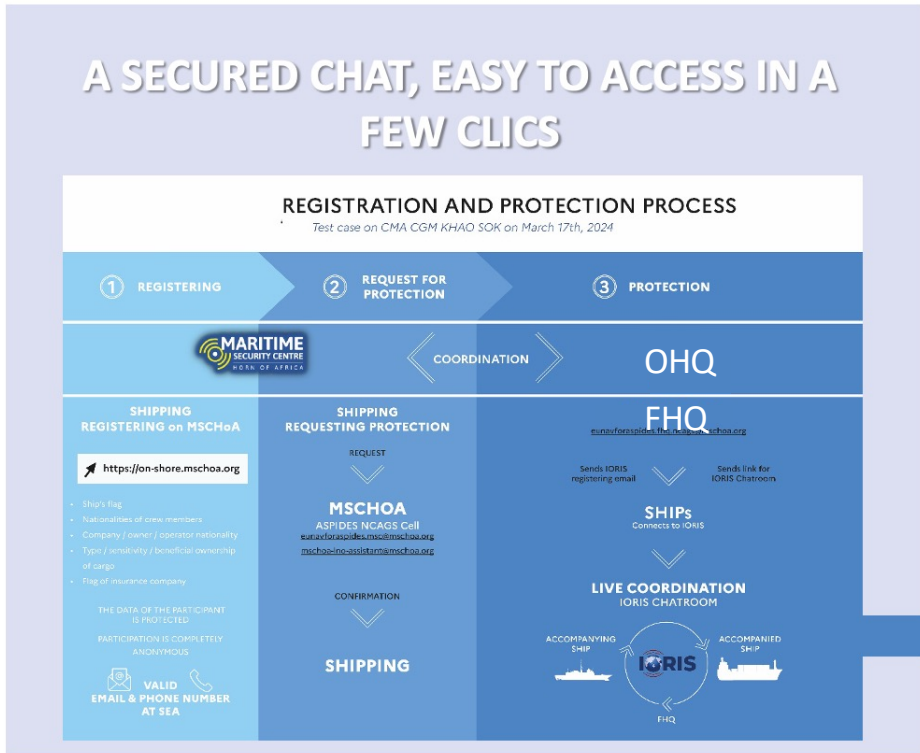
- IORIS messaging (Discreet/realtime/recorded)
- Merchant ships to/from:
 - Military Operation HQs and vessels
 - Coastal States
 - Merchant Ships



TESTED SUCCESSFULLY AT SEA



A SECURED CHAT, EASY TO ACCESS IN A FEW CLICS



Between Escorted Vessel(s) & Escorting Ship





- Secure Communication Tool:
Group/Private Chat

- Voluntary Reporting / Registration Schemes
- Threat Areas / Recommended corridors
- Sailing Instructions, Alerts, Warning Off, Advisories
- Industry Releasable Threat Assessments and Bulletins

- Supports Naval Cooperation and Guidance for Shipping (NCAGS)





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SHARE.IT INTEROPERABILITY FRAMEWORK



UNODC
United Nations Office on Drugs and Crime



CONCLUDING REMARKS

- Promotes cross-sectoral, inter-agency and cross-regional cooperation
- Operational across the Indo-Pacific
 - Focus 1: MDA / IORIS Network
 - IORIS (centralised)
 - SHARE.IT (de-centralised)
 - Focus 2: National/Regional exercises
 - Focus 3: Mentoring and Advising
- Offers Neutral and Zero Cost Solutions
 - Licenses, IT support, training





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Thank You.

Questions?



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WESTERN INDIAN OCEAN	SOUTH ASIA	SOUTHEAST ASIA	PACIFIC
RMIFC (WKPR)	BANGLADESH (Navy)	INDONESIA (NAVY)	FIJI (navy)
RCOC (WKPR)	SRI LANKA (CG OPS)	INDONESIA (BAKAMLA IM&E)	FIJI (WATER POLICE)
COMOROS (MOC)	SRI LANKA (NAVY IFC/HQ)	INDONESIA (KEMENKO M)	FIJ (Intergency)
COMOROS Maritime Authority (ANAM)	SRI LANKA (Fisheries)	INDONESIA (BASARNAS)	COOK ISL (Police/NSD)
DJIBOUTI (CG)	SRI LANKA (MEPA)	BFAR (CO/Regions)	COOK ISL (EM)
ETHIOPIA (MA)	MALDIVES (CG- MNDF)	MARINA (MIDS/MDES/Head)	KIRIBATI (Police MU)
ETHIOPIA (NAVY/Trng Instr)	MALDIVES (MTCA)	PHILIPPINES (NAVY - MRIC)	KIRIBATI (Immigration)
JORDAN (MC)		PHILIPPINES (PHILSA)	NAURU (POLICE)
JORDAN (NAVY MOC)		PHILIPPINES (BUREAU IMMIGRATION)	NAURU (CUSTOMS/DFAT)
KENYA (KMA/MRCC)		PHILIPPINES (BOC)	MARSHALL ISLANDS (MRA)
KENYA (JOC/NMISC)	ARABIAN PENINSULA	PHILIPPINES (ISAFP)	N MARIANA ISLANDS (CUSTOMS/BIO)
KENYA (Hd JOC)	OMAN (MSC)	PHILIPPINES (PDEA)	NIUE (Min FINANCE)
KENYA (XOC)	YEMEN (MAA)	PHILIPPINES (NCWC ICTG)	PALAU (NCSO /MARSEC)
MADAGASCAR (NIMFC)	SAUDI ARABIA (JMISC)	PHILIPPINES (NCWC Fusion Cen)	SAMOA (Immigration)
MADAGASCAR (APMF-MRCC)		THAILAND (Thai-MECC PPA)	SAMOA (CUSTOMS, REVNUE)
MADAGASCAR (JRCC/JRSC)		THAILAND (Thai-MECC OPS1/2)	SOLOMON ISL (MARITIME POLICE)
MOZAMBIQUE (Navy)		THAILAND (CTO Reg1)	TONGA (Navy/MCC)
MOZAMBIQUE (Transport)	EUROPEAN	THAILAND (DOF - FFID/FFMD)	TONGA (CUSTOMS)
PUNTLAND (PMPF OP)	REUNION (MRCC)	THAILAND (MPD - PPO)	TUVALU (POLICE)
SEYCHELLES (CG)	ALUNDIEN (MICA IO/BWA)	THAILAND (MAR ENFORCE OPS2)	TUVALU (CUSTOMS)
SEYCHELLES (MOI) NISCC	EUNAVFOR (FHQ Op/BWC)	THAILAND (MARINE VTC - MARSEC)	Pacific Immigration Development Community
SOMALIA (MA)	EUNAVFOR (FHQ N3/ OPSO/Ship)	THAILAND (Thai-MECC OOE5)	Oceania Customs Organisation (OCO) Secretariat
SOMALIA (MFBE Dir/Head)	EUNAVFOR (MSCHOA)		GUAM (CQA)
SOMALIA (SPF/Navy CG)	EMASOH		PAPUA NEW GUINEA (CUSTOMS)
SOMALILAND CG (HAG / BER)		LATIN AMERICA	FRENCH POLYNESIA (ALPACI Navy)
TANZANIA (TASAC)		COLOMBIA (MOC)	NEW CALEDONIA (DRNDC)
TANZANIA (Navy MOC)		PERU (IFC/SUP)	NEW CALEDONIA (CZM 01/02)
MAURITIUS (MRCC/CG)		PERU (MOC)	AUSTRALIA (FED POLICE)
		ECUADOR (NAVY MOC)	VANUATU

LEGEND: Military Establishments

Website: www.crimario.eu

Newsletter (on subscription - via email info@crimario.eu)

For any contact: info@crimario.eu



CRIMARIO II is an European Union initiative implemented by Expertise France



EU AND PARTNER COLLABORATION - HORN OF AFRICA

EUNAVFOR OPERATION ATALANTA




OHQ
Rota
Spain


FHQ
at Sea

- Jordan
- Saudi Arabia
- Yemen (Aden)
- Oman
- Djibouti
- Kenya
- Somalia
- Indian Ocean Commission

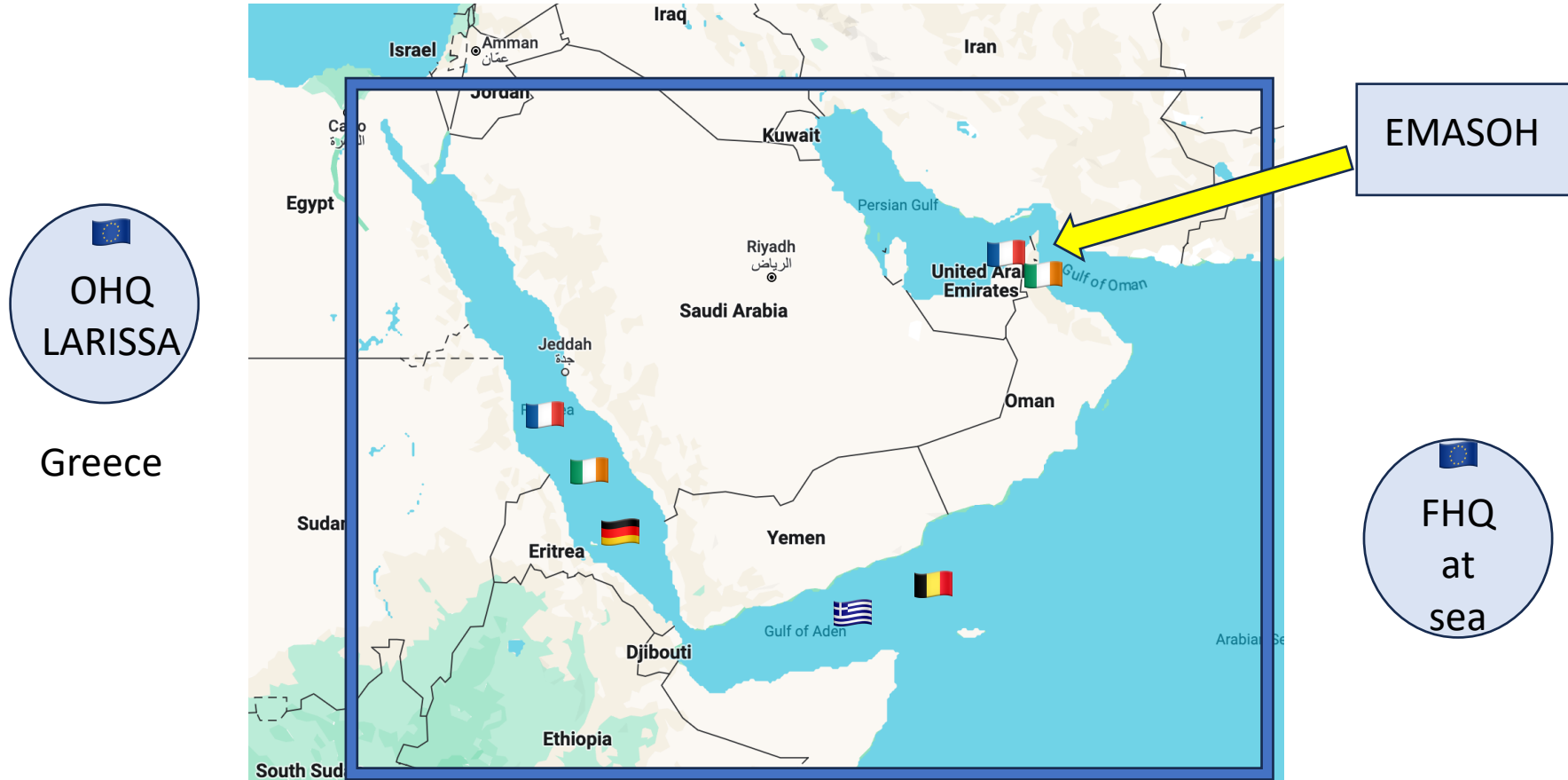
EUCAP SOMALIA



- Somaliland CG
- Puntland MPF
- Somali Navy/CG
- Somali Maritime Auth



OPERATION ASPIDAS (19 February 2024)



(Flags at sea depict possible contributions of warships from member states as an example)