



**Near East South Asia (NESA) Center for Strategic Studies
workshop**

**MENA REGIONAL WATERS: THE RED SEA/ARABIAN SEA
SMUGGLING CONUNDRUM**

Panel: Dealing with the Avalanche of Data

**Martin Cauchi Inglott
Project Leader**





An EU Strategy for cooperation in the Indo-Pacific

“The EU should reinforce its strategic **focus, presence and actions** in the Indo-Pacific with the aim of contributing to the **stability, security, prosperity and sustainable development** of the region, based on the **promotion of democracy, rule of law, human rights and international law.**”

(European) Council Conclusions

16 April 2021



Overall Objective

Enhance maritime security and safety in the **Indo-Pacific** through cross-sectoral, inter-agency and cross-regional cooperation

Specific Objectives and Outputs

- **SO1: Enhance information exchange and analysis**
- **SO2: Strengthen interagency / regional cooperation** in maritime surveillance, policing, investigation and judiciary (Asia ONLY)
- **SO3: Improve compliance and adherence** to relevant existing international legal instruments and regional arrangements (Asia ONLY)

- EU Common Information Sharing Environment

- Enhancing information exchange between maritime surveillance authorities
- EU / EEA Member States surveillance systems interoperable



SISE

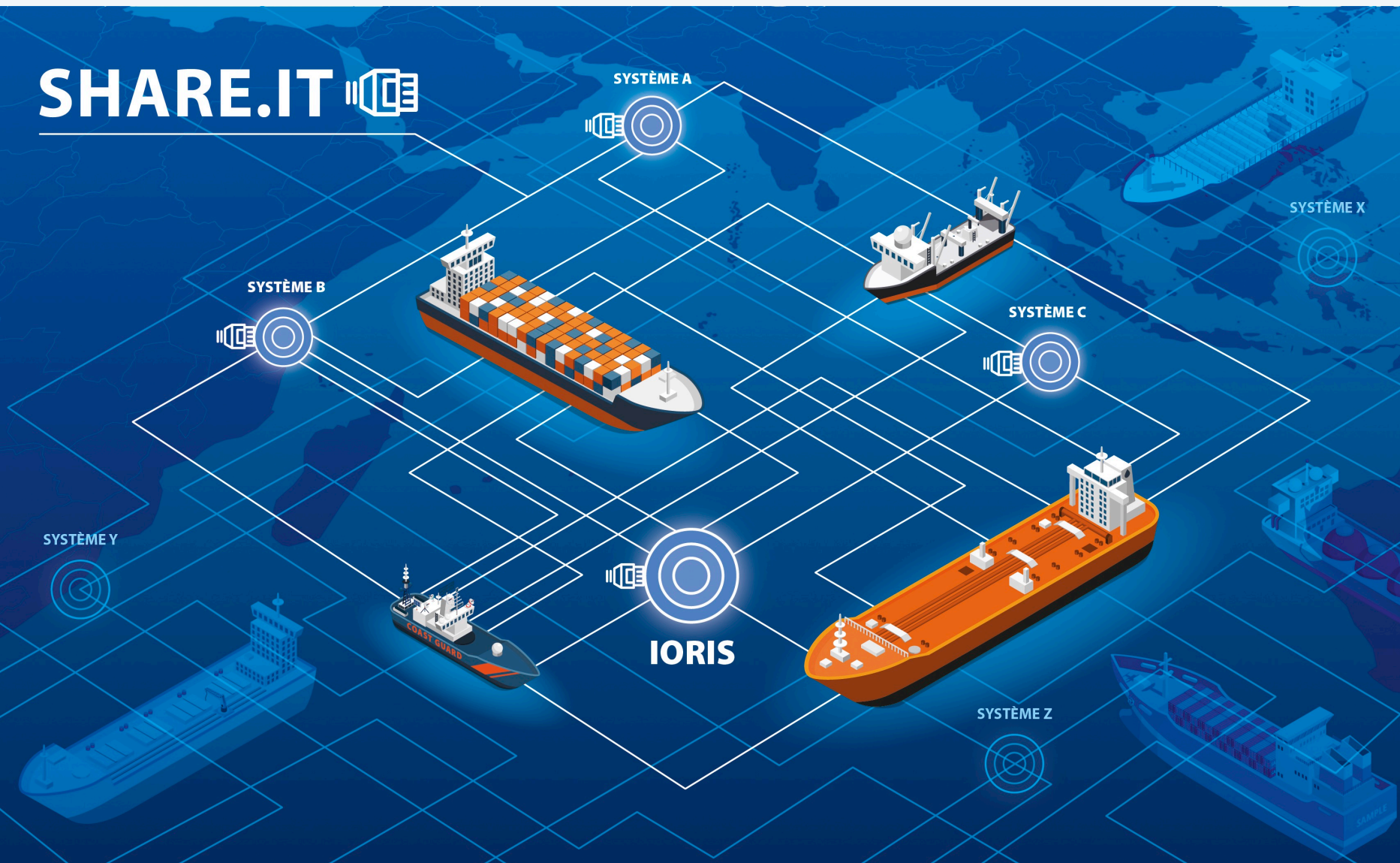
- Single Information Sharing Environment
 - Adjusting the concept for the region

Enhancing Information Exchange

- Improve interoperability and coordination amongst regional centres which already have Information-Exchange Platforms
 - **SHARE.IT**
- Offer Information-Exchange Platform for communication and coordination
 - **IORIS**



SHARE.IT



INTEGRATED FUNCTIONALITIES

COORDINATION



Advanced mapping
+ vessel intercept



Documents
and forms

COMMUNICATIONS



Messaging,
chat and alerts



Voice
communication

IORIS

MARITIME OPERATIONAL COORDINATION & COMMUNICATIONS PLATFORM

DEDICATED AREAS ADAPTABLE TO:

INTER-REGIONAL LEVEL
(eg. Country 1, Country 2, Country 3)

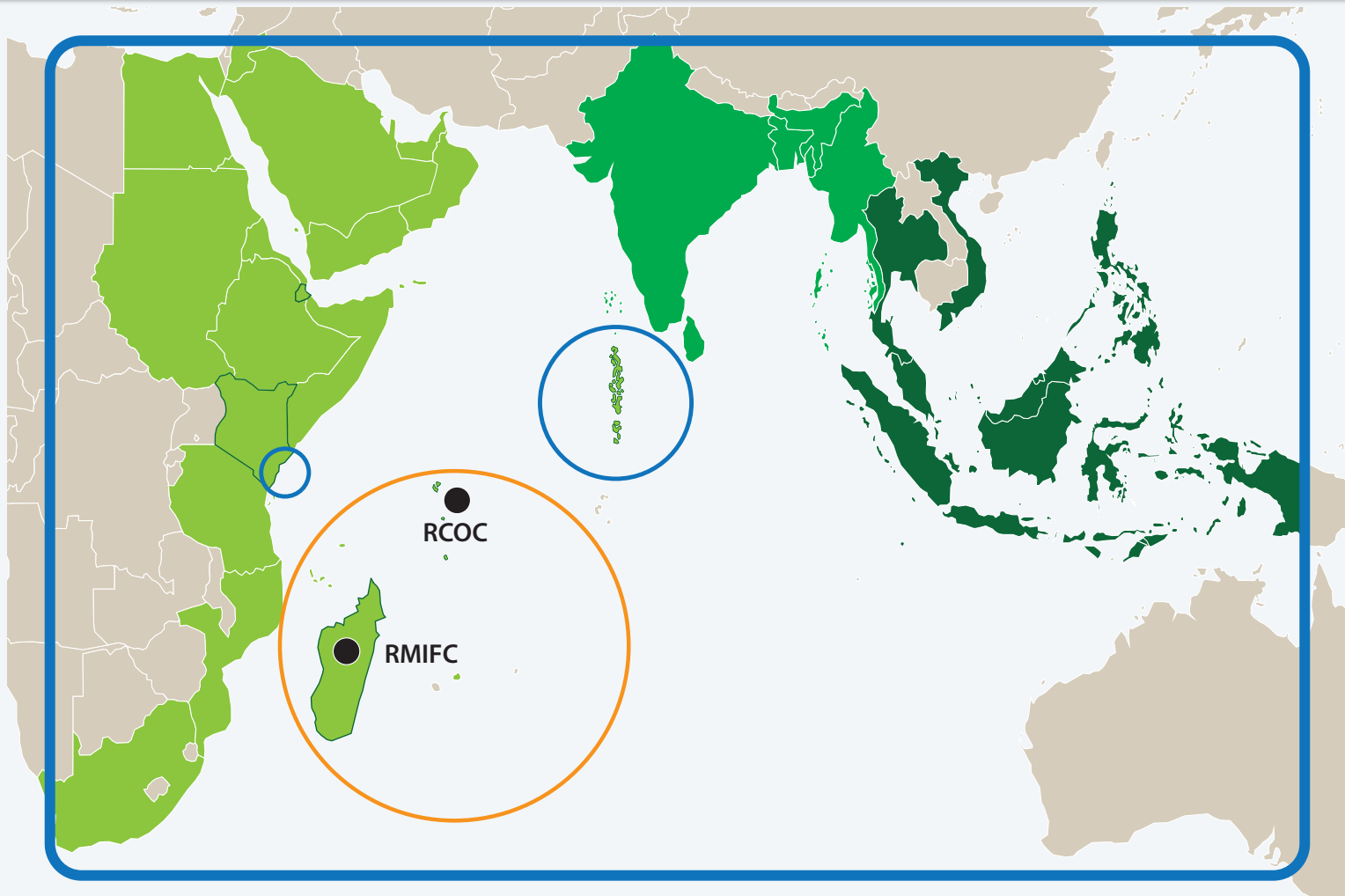


NATIONAL AGENCIES
(eg. Customs, Coast Guard, Navy,
Fishery, Police, etc.)





MULTIPLE DOMAINS
(eg. pollution control, illegal fishing, drug trafficking)





 DCoC
 Member
 States

 South Asia
 CRIMARIO
 area of interest

 Southeast
 Asia CRIMARIO
 area of interest

 IOC
 Member
 States

 Examples
 of National
 IORIS area

 IORIS
 Hub



Alerts (1 of 1)

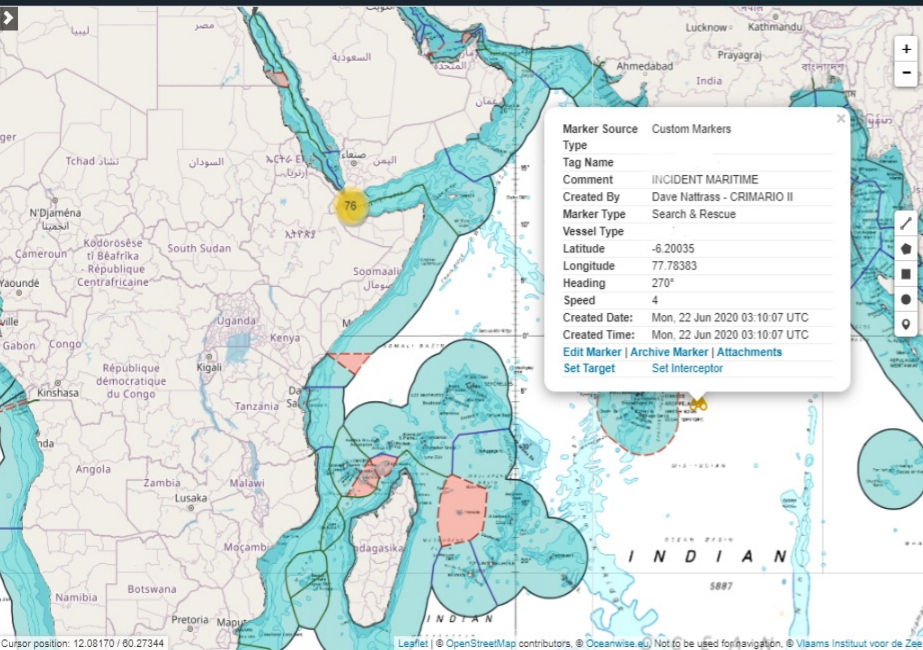


8/13/2020, 8:57:52 PM

Good Afternoon Sir, This MRCC received information from MV Madeup (Flag: Panama, MMSI: 374099326), today 22 July 2020 at 1300 h to the effect that a case of one Man Overboard has been reported in position 12° 01. 260 S' 056° 18.390 E around 20 nm North West of xxxxx. MV xxxxi and Tug xxxx at the scene and providing assistance for SAR. SEA STATE: VERY ROUGH, WIND 25 KT SSE VERY STRONG CURRENT AND SWELL 12 MTRS HIGH, RAINY, VISIBILITY VERY POOR ABOUT 1NM. xxxxxxxxxxxxxx already broadcasting for vessels transiting the area to keep sharp lookout. Further report to follow.

- Exit Area
- Alerts
- Markers Import
- SeaVision Layer Admin
- Create Area

Regional Map



Marker Source	Custom Markers
Type	
Tag Name	
Comment	INCIDENT MARITIME
Created By	Dave Natrass - CRIMARIO II
Marker Type	Search & Rescue
Vessel Type	
Latitude	-6.20035
Longitude	77.78383
Heading	270°
Speed	4
Created Date:	Mon, 22 Jun 2020 03:10:07 UTC
Created Time:	Mon, 22 Jun 2020 03:10:07 UTC
Edit Marker Archive Marker Attachments	
Set Target Set Interceptor	

Messages Forms Documents Active Users



- EU CRIMARIO II (Dave Natrass - CRIMARIO II)**
2020-08-13 17:57:52 UTC

Good Afternoon Sir, This MRCC received information from MV Madeup (Flag: Panama, MMSI: 374099326), today 22 July 2020 at 1300 h to the effect that a case of one Man Overboard has been reported in position 12° 01. 260 S' 056° 18.390 E around 20 nm North West of xxxxx. MV xxxxi and Tug xxxx at the scene and providing assistance for SAR. SEA STATE: VERY ROUGH, WIND 25 KT SSE VERY STRONG CURRENT AND SWELL 12 MTRS HIGH, RAINY, VISIBILITY VERY POOR ABOUT 1NM. xxxxxxxxxxxxxx already broadcasting for vessels transiting the area to keep sharp lookout. Further report to follow.
- EU CRIMARIO II (Dave Natrass - CRIMARIO II)**
2020-08-12 08:43:56 UTC

SV import added to GoA - Djibouti
- EU CRIMARIO II (Dave Natrass - CRIMARIO II)
2020-08-12 08:42:49 UTC

SeaVision layer: GoA test Added By dave.natrass@crimario.eu
GoASV test
- EU CRIMARIO II (Dave Natrass - CRIMARIO II)
2020-08-12 08:30:44 UTC

SeaVision layer: GoA Added By dave.natrass@crimario.eu
GoASV 12_08_2020
- 2020-06-22 11:00:55 UTC

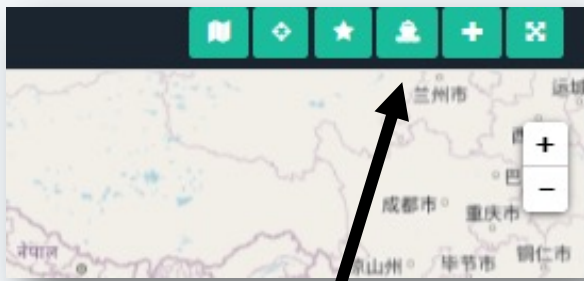
FROM:
TO: ALL
UPDATE FROM MRCC ...
The owner of the vessel has been able to establish communication with the vessel and has confirmed that all crew members are safe and the vessel is engaging in fishing without any distress.
Regards
- EU CRIMARIO II (Dave Natrass - CRIMARIO II)
2020-03-12 13:04:20 UTC

SeaVision layer: 2 Added By dave.natrass@crimario.eu
2
- EU CRIMARIO II (Dave Natrass - CRIMARIO II)
2020-03-12 13:03:37 UTC

SeaVision layer: 1 Added By dave.natrass@crimario.eu

- Integration of data sources
 - AIS
 - VMS
 - Import of other common maritime system files such as SeaVision





1. Click 'Add SeaVision Layer'

SeaVision Data Filters ?

MMSI	<input style="width: 80%;" type="text"/>
IMO Number	<input style="width: 80%;" type="text"/>
Vessel name	<input style="width: 80%;" type="text"/>
Callsign	<input style="width: 80%;" type="text"/>
Cargo	<input style="width: 80%;" type="text"/>
COG	<input style="width: 15%;" type="text"/> +/- <input style="width: 10%;" type="text"/> <input style="width: 15%;" type="text"/>
Nav status	<input style="width: 80%;" type="text"/>
SOG	<input style="width: 80%;" type="text"/>


Apply
Clear

3. SeaVision Data Filters

2. Add SeaVision Layer Dialogue Box

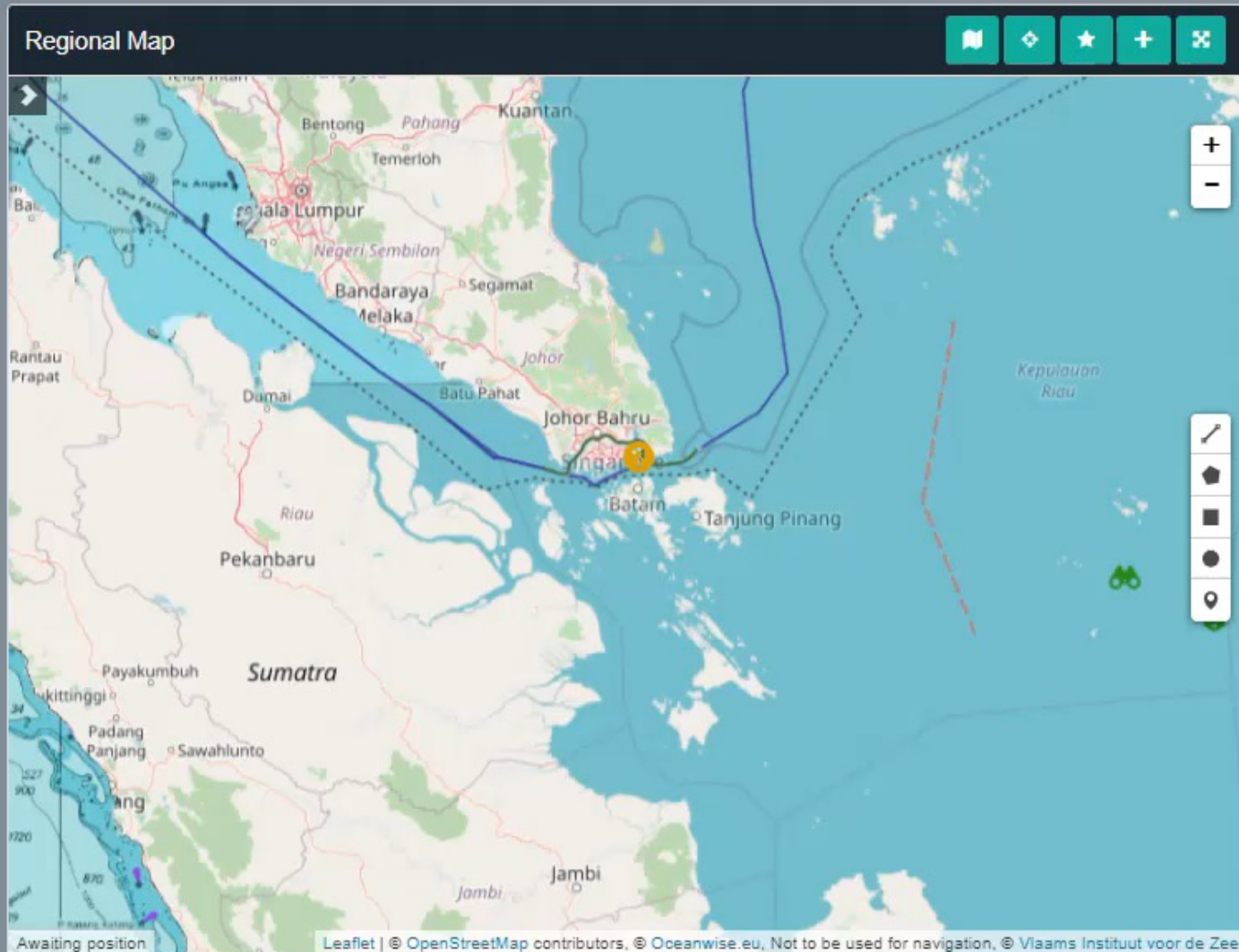
CRIMARIO Test Area | Add SeaVision Layer

Add SeaVision Layer

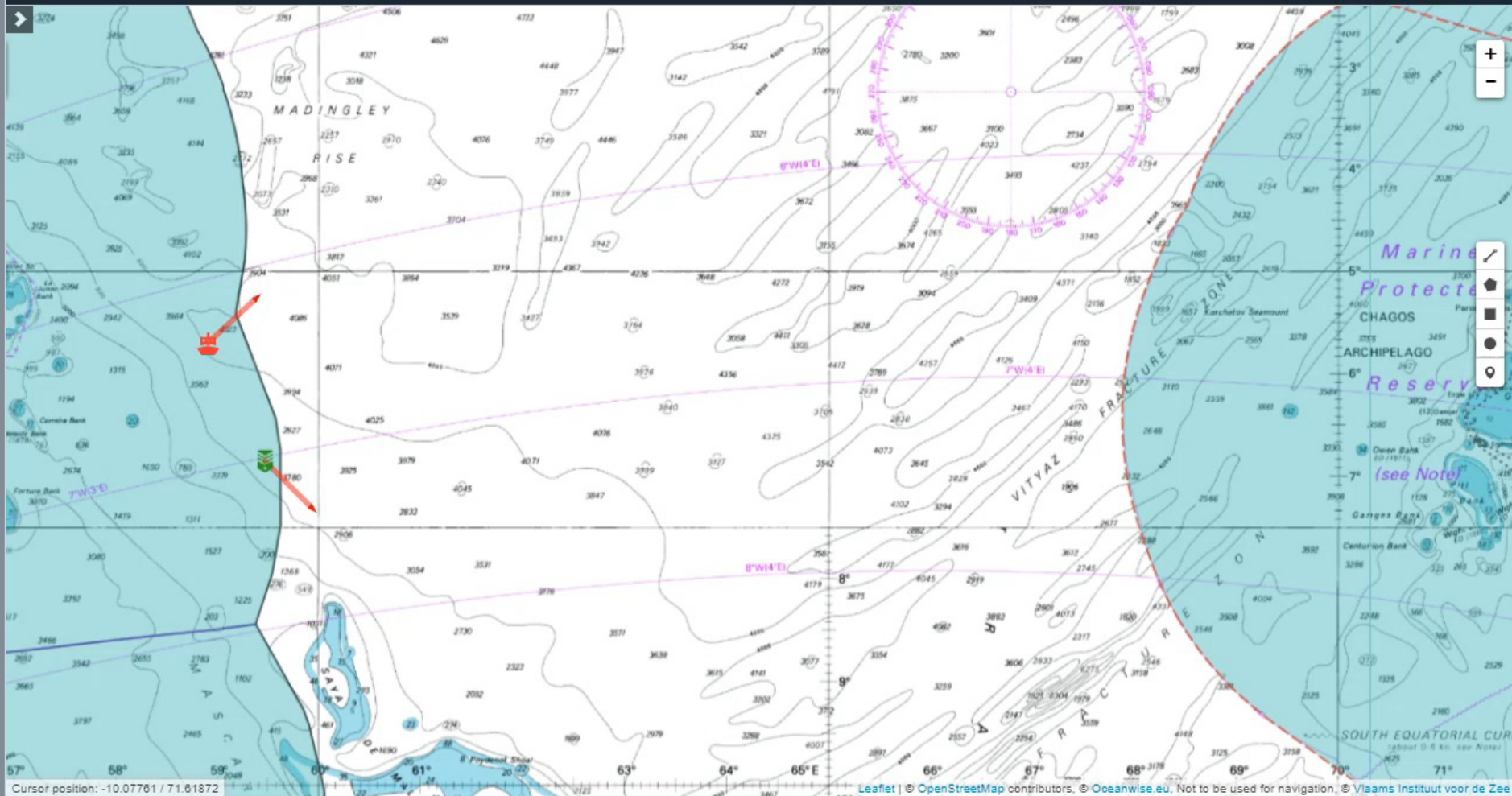
Layer name	<input style="width: 60%;" type="text" value="HoA - SV Import"/>				
Description	<input style="width: 60%;" type="text" value="Import from SeaVision HoA - 8th April 2021"/>				
Refresh interval	<input style="width: 60%;" type="text" value="Select (default 3h)"/>				
Radius (km/nm)	<input style="width: 60%;" type="text" value="Select (default 160km/84nm)"/>				
Reported location	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">  </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Latitude:</td> <td><input style="width: 60%;" type="text" value="11.92505"/></td> </tr> <tr> <td>Longitude:</td> <td><input style="width: 60%;" type="text" value="44.45892"/></td> </tr> </table>	Latitude:	<input style="width: 60%;" type="text" value="11.92505"/>	Longitude:	<input style="width: 60%;" type="text" value="44.45892"/>
Latitude:	<input style="width: 60%;" type="text" value="11.92505"/>				
Longitude:	<input style="width: 60%;" type="text" value="44.45892"/>				
Keep history	<input checked="" type="checkbox"/>				
Disable	<input type="checkbox"/>				

Save
Cancel

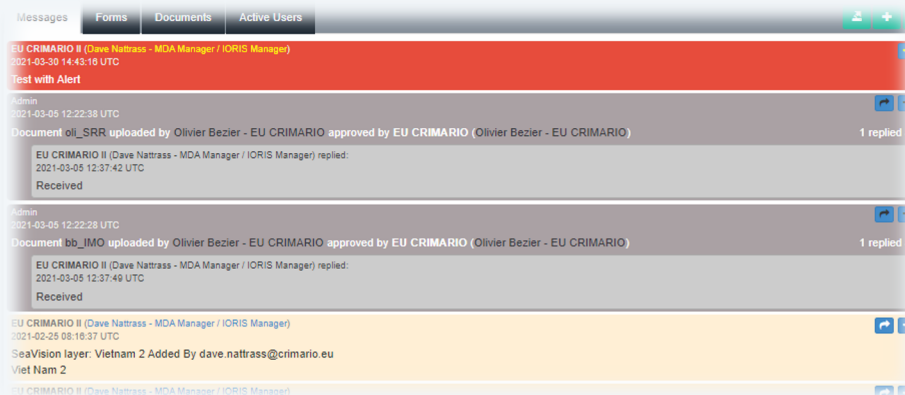
CDS7 test



Regional Map



- Broadcast
- Group Messages
- Private Chat
- VoIP



Messages | Forms | Documents | Active Users

EU CRIMARIO II (Dave Natrass - MDA Manager / IORIS Manager)
2021-03-30 14:43:18 UTC
Test with Alert

Admin
2021-03-05 12:22:38 UTC
Document ol_SRR uploaded by Olivier Bezier - EU CRIMARIO approved by EU CRIMARIO (Olivier Bezier - EU CRIMARIO) 1 replied

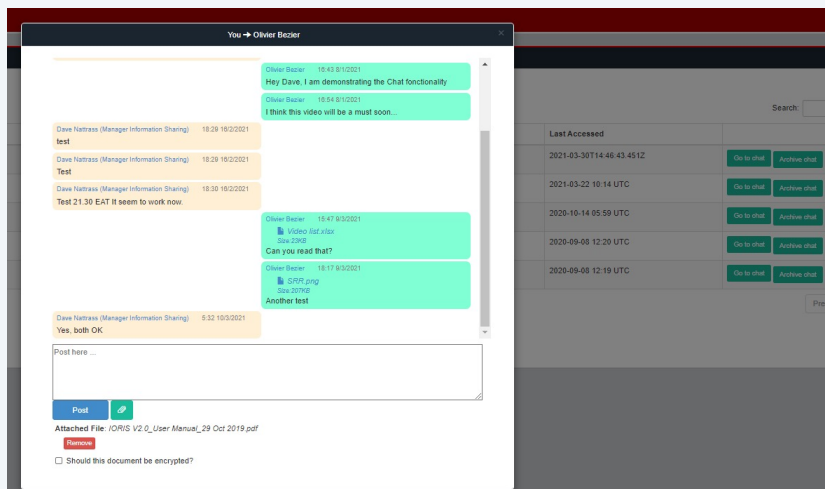
EU CRIMARIO II (Dave Natrass - MDA Manager / IORIS Manager) replied:
2021-03-05 12:37:42 UTC
Received

Admin
2021-03-05 12:22:28 UTC
Document bb_IMO uploaded by Olivier Bezier - EU CRIMARIO approved by EU CRIMARIO (Olivier Bezier - EU CRIMARIO) 1 replied

EU CRIMARIO II (Dave Natrass - MDA Manager / IORIS Manager) replied:
2021-03-05 12:37:49 UTC
Received

EU CRIMARIO II (Dave Natrass - MDA Manager / IORIS Manager)
2021-02-25 08:19:37 UTC
SeaVision layer: Vietnam 2 Added By dave.natrass@crimario.eu
Viet Nam 2

EU CRIMARIO II (Dave Natrass - MDA Manager / IORIS Manager)



You → Olivier Bezier

Olivier Bezier 10:43 9/10/2021
Hey Dave, I am demonstrating the Chat functionality

Dave Natrass (Manager Information Sharing) 18:28 19/2/2021
test

Dave Natrass (Manager Information Sharing) 18:29 19/2/2021
Test

Dave Natrass (Manager Information Sharing) 18:30 19/2/2021
Test 21:30 EAT it seem to work now

Olivier Bezier 18:47 9/10/2021
Video call James Sea 2365
Can you read that?

Olivier Bezier 18:11 9/10/2021
SRP.png Sea 20795
Another test

Dave Natrass (Manager Information Sharing) 9:32 10/3/2021
Yes, both OK

Post here ...

Post

Attached File: IORIS V2_0_User Manual_29 Oct 2019.pdf
Remove

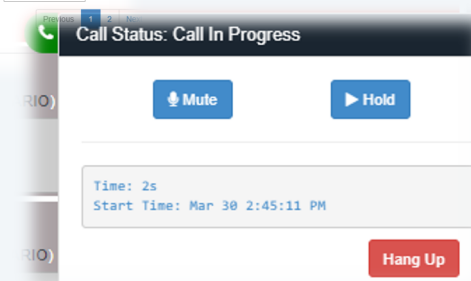
Should this document be encrypted?

show 10 entries

Search

Email Address	Voip	First Name	Last Name	Organisation	Country
pickford@polymorph.co.uk	Disabled	Dave	Pickford	Polymorph	
dave.natrass@crimario.eu	Enabled	Dave	Natrass	Crimario	
davenatrass2010@gmail.com	Disabled	Dave	Natrass	CRIMARIO - Gmail	
davenatrass@hotmail.com	Disabled	Dave	Natrass	CRIMARIO	
g.sikorski@polymorph.co.uk	Disabled	Greg	Sikorski	Polymorph Ltd	
scott@polymorph.co.uk	Disabled	John	Scott	Polymorph	UK
natlyvesmaire@cocoseychelles.org	Disabled	Jean	Roc	RCCC	
shippscott@live.co.uk	Disabled	Jack	Spratt	Polymorph	UK
joubts4116@gmail.com	Enabled	Joubts	4116	Unknown	
sanderson@polymorph.co.uk	Disabled	Nick	Sanderson	Polymorph	

Showing 1 to 10 of 15 entries



Call Status: Call In Progress

Mute

Hold

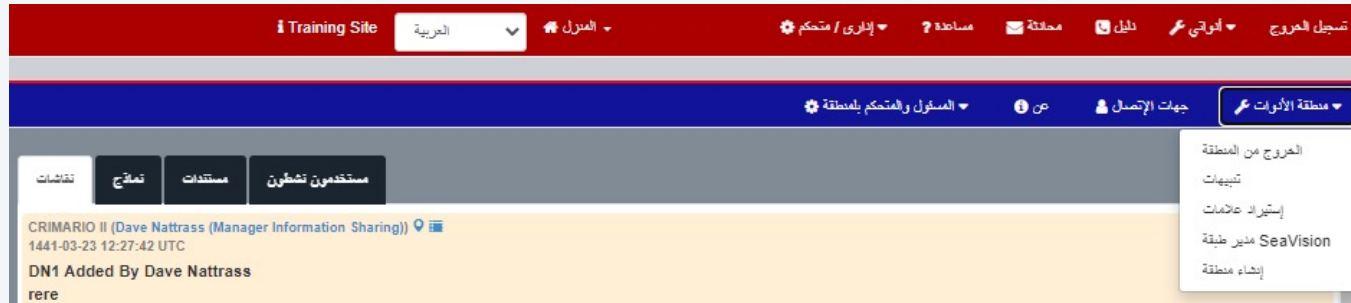
Time: 2s
Start Time: Mar 30 2:45:11 PM

Hang Up

- Neutral
 - Oversight/access to data governed by data owner
 - Access can be open to all, or limited to specific operations/incidents
- Interoperability with data sources and potential for more.
 - AIS and VMS
- Secure - Encrypted end-to-end
 - 2 factor authentication user login
 - Integrated file encryption
 - Permanent event logs
 - Auditing functions



- Duplicate training platform
 - Identifiable by Red Banner



- Multi-lingual
 - English / French / Portuguese / Arabic / Somali plus ...
- Aircraft and Vessels
 - Low bandwidth version

IORIS DEVELOPMENT

In response to the demand to address **'Dark Targets'**, CRIMARIO are in discussion with various agencies and organisations to see how we can provide 1 or several solutions through IORIS



EU Agencies

Commercial Providers including:





Monthly Webinars (Public)

- Broaden awareness / exchange experiences and lessons learnt.
- Threats to maritime safety and security
 - MDA, maritime law enforcement and maritime safety.

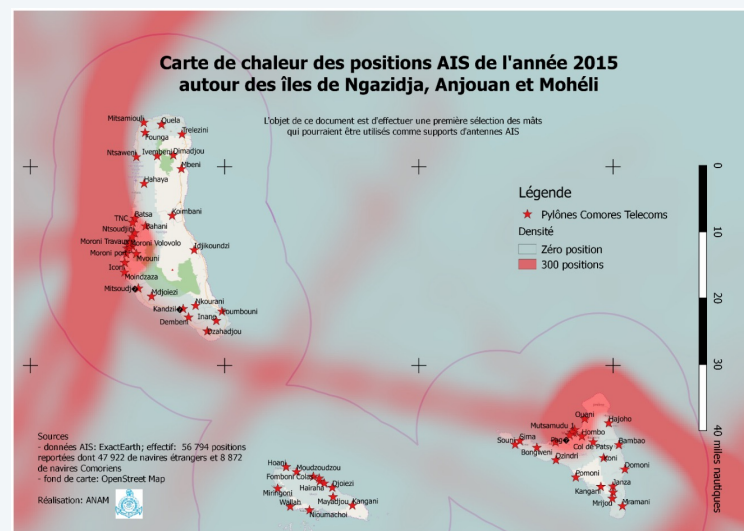
Institution Building Workshops

- Support in developing strategies, policies, concepts and standing operating procedures.



Courses

- Info-sharing / MDA
 - IORIS
 - Basic/Refresher Course
 - Train-the-trainer Courses
 - Maritime Data Visualisation and Analysis Courses




Exercises - IORIS based

- Regional, national or agency level
- Maritime security/safety scenarios.



- Exercises: Support other regional actors conduct maritime exercises

EU CRIMARIO PROJECT
CRITICAL MARITIME ROUTES INDIAN OCEAN



IS1.2 « Piracy »

14th June 2016

FINAL DEBRIEF

IS1.2 "Piracy" is an exercise conducted by the EU CRIMARIO project in the Indian Ocean. It is derived from the PIREX series exercises also covers topics like oil spill, terrorism, human trafficking, piracy, and smuggling.

EU CRITICAL MARITIME ROUTES INDIAN OCEAN
CRIMARIO

Preparation of "Cutlass Express 2017"



Djibouti, 24 - 25 January 2017

Les objectifs de ce stage sont de rappeler au personnel armant les COM, aux chefs d'équipes de contrôle à la mer et aux enquêteurs quelques fondamentaux relatifs à la marine de commerce, et de proposer quelques bonnes pratiques en matière d'identification des navires et d'échange d'information au niveau régional.

- > 24 janvier
 - 07H00-09H00 : Conférence 1 (2H, français) : Les différents acteurs de la gestion du navire de commerce (propriétaires, armateurs, compagnie, société de classification, assurances, état de pavillon...)
 - 09H00-09H30 : Conférence 2.1 (00H30, français) : L'échange d'information d'intérêt maritime dans l'Océan Indien avec les centres régionaux
 - 09H30-10H00 : Pause casse-croûte
 - 10H00-10H30 : Conférence 2.2 (00H30, français) : L'échange d'information d'intérêt maritime dans l'Océan Indien avec les centres régionaux
 - 10H30-12H00 : Pratique 1 (1H30, français) : Création d'un répertoire de ressources d'information relative aux navires
- > 25 janvier
 - 07H00-09H00 : Conférence 3 (2H, français) : Les documents du navire
 - 09H00-09H30 : Pratique 2.1 (00H30, français) : Exploitation des documents du navire avant, pendant et après la visite
 - 09H30-10H00 : Pause casse-croûte
 - 10H00-10H30 : Pratique 2.2 (00H30, français) : Exploitation des documents du navire avant, pendant et après la visite
 - 10H30-12H00 : Pratique 3 (01H30, français) : Production de rapports et de cartes aux fins de partage de l'information

Conférencier : M. Olivier Bézier, chef de la composante « Formation et développement capacitaire » du projet CRIMARIO

Les Pauses sont offertes par le projet CRIMARIO : bonne dégustation !

EU CRITICAL MARITIME ROUTES INDIAN OCEAN
CRIMARIO



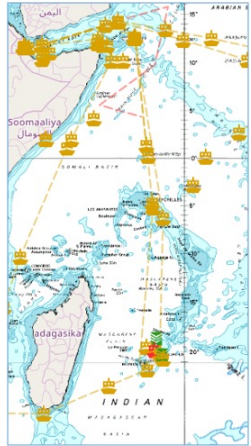
IS1.1 « pollution »

Seychelles

26-29 Sep 2016

Final debrief

EU CRITICAL MARITIME ROUTES INDIAN OCEAN
CRIMARIO



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 RMFIC in Antananarivo and RCCO in Djibouti. 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.

IS1.1 "Pollution" was an exercise conducted by the EU CRIMARIO project in the Indian Ocean. It is derived from the PIREX series exercises also covers topics like oil spill, terrorism, human trafficking, piracy, and smuggling.

Categorisation of Partnerships

- EU's strategic interests,
- Beneficiary Partners' Needs



Category 1 - Immediate

- *Africa*
 - Somalia, Kenya, Djibouti, Comoros, Seychelles, Madagascar, Mauritius, South Asia
- *Asia*
 - Maldives, Sri Lanka
 - Philippines, Indonesia

Category 2 – Longer-term

- Outside WIO but in DCOC
- Political Situation prevents current cooperation

EU Entities

- Member States
- Operations
 - Atalanta
- Missions
 - EUCAP Somalia
- Projects
 - ESIWA
 - CRIMSON
 - EU ACT
 - MASE
 - Go Blue

Regional Orgs

- IOC
- (ASEAN)

Intergovern. Orgs

- UNODC
- IMO – DCoC

Partner Countries

- India
 - IFC-IOR
- Singapore
 - IFC
- US
- (Japan)

- CRIMARIO II offers unique opportunity
- Promote cross-sectoral, inter-agency and cross-regional cooperation
- Offers neutral and zero cost products
- Adopting a Phased approach
 - Rolling plan, moving eastwards!
 - Activities staggered, sequenced and yet linked to one another.
- Forging partnerships - welcome outreach!



EU INDIAN OCEAN REGION
SOUTH & SOUTHEAST ASIA
CRIMARIO

Thank You.
Questions?



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



- Website: www.crimario.eu
- CMR website: www.criticalmaritimeroutes.eu
-  @EUCrimario  EU-Crimario
- Monthly newsletter (on subscription)
- For any contact: info@crimario.eu