



CRIMARIO II

**Ideas for Enhancement of the DCoC ISN
to meet the objectives of the Jeddah Amend**

Tuesday 22nd November 2022



**Dave Nattrass
Project Deputy Director**



1. Introduction to CRIMARIO

2. CRIMARIO support to implement the Jeddah Amend through Friends of the DCoC

- a) Tool**
- b) Training**
- c) Exercises**

3. IORIS Overview

4. Future Plans & Upcoming events



EU Strategy for **Cooperation** in the Indo Pacific

- **CRIMARIO** will **build maritime capacity** against drug trafficking, human trafficking and wildlife crime ...
- The EU will also encourage the **consolidation of information-sharing mechanisms** through information fusion centres **IORIS** platform.



Overall Objective

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

Specific Objectives and Outputs

- **SO1: Enhance information exchange**
 - Info-exchange tools and Initiatives
 - Centralized / decentralized
- **SO2: Strengthen interagency / regional cooperation in surveillance, policing, investigation and judiciary**
 - Courses and Exercises



Information Exchange / Operational Coordination



IORIS Training status of DCoC countries 2022:

- Courses include:
 - Basic
 - Continuity
 - Area Admin
 - Train the Trainer

Date Created	Country	Agency	Course(s)	Yr/Month	Trainer	Date Issued	
12-Feb	Kenya	Multi	Basic	22-Feb	RM	12-Feb	
28-Mar	Comoros	Multi	Basic	22-Mar	PR	28-Mar	
12-Apr	Oman		Basic	22-Apr			
21-May	Jordan	Navy	Basic	22-May	RM	21-May	
09-Jun	Seychelles	CG	Continuity	22-Jun	RM	09-Jun	
04-Aug	Kenya	Multi	AA/TTT	22-Aug	RM	08-Aug	
04-Aug	Kenya	Multi	AA/TTT	22-Aug	RM	08-Aug	
12-Aug	Ethiopia	EMA	Basic	22-Aug	ES	15-Aug	
13-Sep	Jordan	MNOC	TTX	22-Sep	ES	18-Sep	
16-Sep	Djibouti	CG/Navy	Basic	22-Sep	PR	16-Sep	
01-Nov	Maldives	MOD	Advanced	13-Nov	BB		Pending
01-Dec	Djibouti		Foundation and ODE	01-Nov-22	PR/PH		Completed
14-Nov	Comoros		MDA	14-Nov	PR		Pending
14-Nov	Comoros		Foundation	21-Nov	PR		Pending
14-Nov	Madagascar	CRFIM	Foundation	28-Nov	PR		Pending
20-Oct	Oman	Navy	TTT	11-Dec	BB		Pending
20-Oct	Jordan	Navy	TTT	18-Dec	BB		Pending

A continuous package of training, including:

- 1-day Exercises
- Table-top Exercises (TTX)
- National Exercises
- Regional Exercises



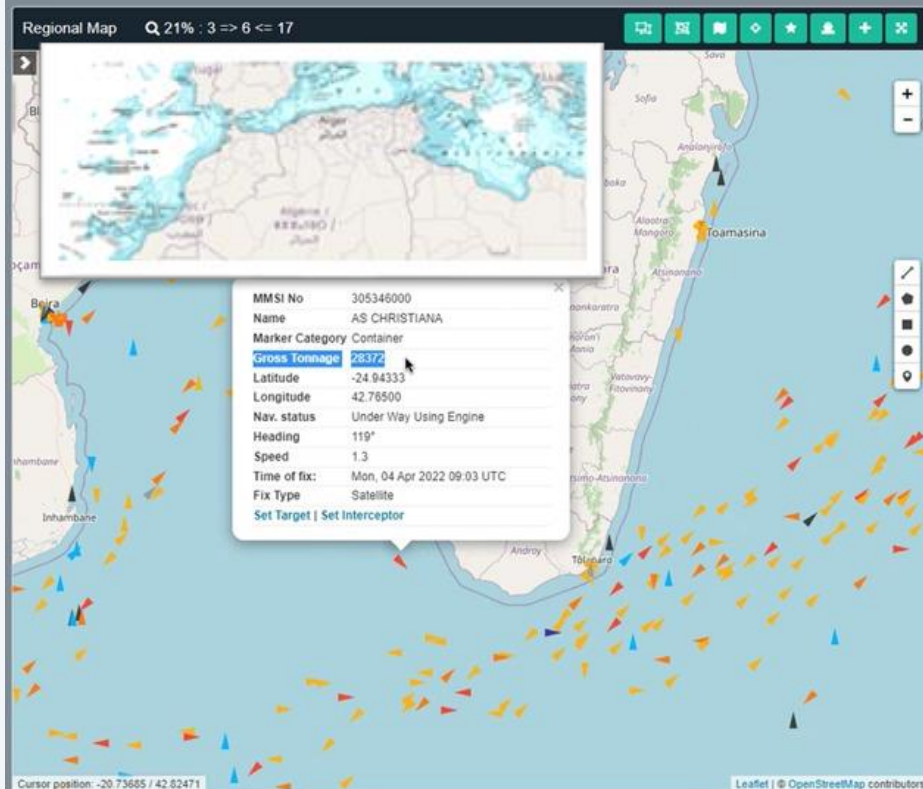
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3. IORIS OVERVIEW



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





Messages Forms Documents Active Users Markers

Add New Message + Export messages Show All Search | Filter Q

Steve Byrne - Message
Polymorph (Steve Byrne) 2021-12-01 15:01:08 UTC 1 replied
Cargo1 Added By Steve Byrne Hide Replies
NAS (Neil Smith Ext) replied: 2022-03-30 16:40:04 UTC
This is my reply to your message sent earlier

New User
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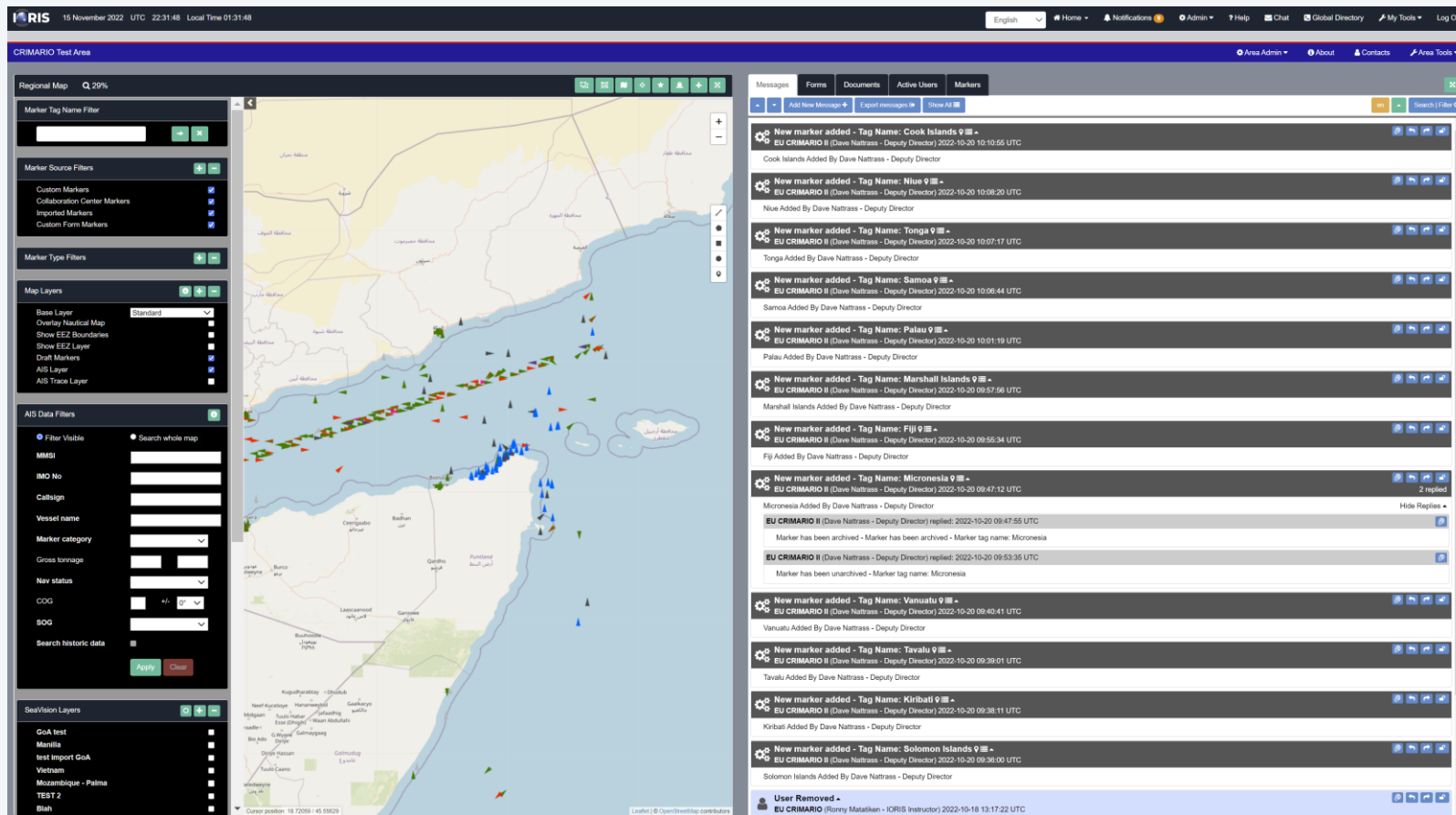
Steve Byrne - Message
Polymorph (Steve Byrne) 2021-11-04 14:34:33 UTC
Interception alert created: Chase requested - Target Zorro (53.511652, -3.109923), Speed: 1.4, Heading: 139
Interceptor (53.511268, -3.109552), Speed: 1.6, Anticipated catch at (53.5115, -3.1097), Heading 339.8 - Time to catch: 0 Days 00:00:16

- IORIS is an EU funded system, developed for the region
- Not an EU System
- Developed in the region through collaborative process with partners

- **IORIS is a Secure System**
 - Encrypted
 - Regular penetration testing
 - Cyber Security review 2023
 - Future ISO accreditation planned

IORIS – Coordination

IORIS – Info Exchange



The screenshot displays the IORIS web interface. On the left, there is a 'Regional Map' section with various filters for markers, map layers, and AIS data. The central part of the interface shows a map of the Indian Ocean region with numerous colored markers (triangles and circles) indicating vessel positions. On the right, there is a 'Messages' section with a list of messages, each detailing a new marker added for a specific location (e.g., Cook Islands, Niue, Tonga, Samoa, Palau, Marshall Islands, Fiji, Micronesia, Vanuatu, Tavalu, Kiribati, Solomon Islands) and the user responsible for adding it.

- MDA – Satellite AIS
 - Mapping integrated to messaging for alerts
- Multi-language menus
 - French/Spanish/Somali/Arabic/Portuguese/Swahili
- Messaging
 - Upload and share Forms / Documents
 - In app translation in Messages
 - Private Messaging –with file encryption option

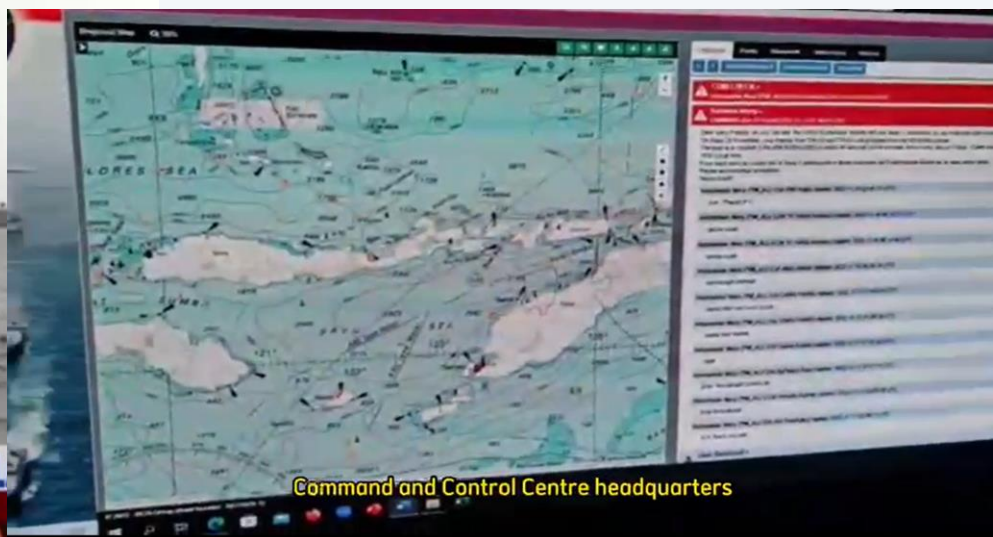
- **Unlimited communities – Unlimited Users**
- **Multi-lingual Menus for National Inter-Agency coordination;**
 - French / English / Somali / Arabic / Portuguese / Filipino / Indonesia / Spanish / Swahili
- **Low bandwidth option**
 - Used by Vessels at Sea
 - (No map) Switches off map – all comms – chat – file sharing enabled
- **Duplicate for Training / Exercises (National/Regional/Agency etc.**
- **Web access – no software download required – no special hardware**

3. IORIS Community Today and Future





“Considering the importance of IORIS during this incident, we were able to Communicate very effectively, we were able to share Information through the (IORIS) platform successfully between the Indonesian Navy Command and Control Centre headquarters and also with the Seventh Fleet Command and Control, Indonesian Naval Base and with all other stakeholders involved.”



Ethiopia
engaging
with
Merchant
fleet through
IORIS



Ethiopian navy leads the way by establishing a secure link
with its distant merchant shipping fleet through IORIS.
Great meeting with Chief of Ethiopian Navy.





4. Future Plans & Upcoming Events



1. Leading towards Regional ownership

- a) IORIS IO Conference – SEY
- b) Governance Structure
 - Trial Agreements
 - Steering Committee

- Seychelles Conference- IORIS WIO - Hosted by Seychelles 6/7 Dec 22

- WIOMEX DEC 22 – Table Top – Command Post Exercise

- SHARE.IT conference – Bangkok Jan 23 - in collaboration with UNODC

- IORIS Steering Committee – 2023 tbc

- A DCoC Exercise is planned in the week between 16 to 20 January (DTBC)

We are conducting a Series of regional IORIS conferences to enrich and enhance IORIS Network

- Examining together how IORIS can be exploited further to, for example, build sectoral communities, to address specific phenomena such as control of merchant shipping, drug trafficking, search and rescue, IUU fishing, etc.
- IORIS in support of the decision-making process
- IORIS technological Upgrades
- IORIS Conceptual Briefs
- Energising the IORIS platform
- Working Sessions

IORIS CONFERENCE FOR THE INDIAN OCEAN: 6 – 7 DECEMBER 2022

- Session 1: Addressing Maritime Challenges in the Indian Ocean and how IORIS can support Coordination and the Decision-making Process
- Session 2: IORIS Works! The Platform in Action
- Session 3: Enhancing IORIS Functionalities to meet Current and Future Threats
- Session 4: Looking Ahead – The Future IORIS Governance Structure
- Exercise WIOMEX Debrief
- Session 5: ‘Where the rubber hits the Road’ - Policy and Operational Thematic Discussions

The outputs of the Conference will feed into the first IORIS Steering Committee scheduled for 15/16 February 2023.

WIOMEX DEC 22 - 5/6 December 2022

- Tabletop / Command Post Exercise
- 5/6 Dec 22 – Live Phase
- 7 Dec 22

Output of exercise presented to Directors / Managers of Navies, Coast Guards and Maritime Agencies invited to the first IORIS Conference in Seychelles

Goals:

- Practice interagency coordinated responses at national and regional level
- Assess IORIS as an MDA, Coordination and Communication tool, and training platform.

CRIMARIO stands ready to support the DCoC

Friends of the DCoC Coordinator

- Offers to employ a coordinator in DCoC Secretariat on a part-time basis – under discussion with Secretariat.

Capability assessments

CRIMARIO stands ready to offer support in conducting National capability assessments:

- National Maritime Centres / Sharing Centres etc.

Provide DCoC Countries using IORIS with:

- Satellite AIS
- Satellite Data on a case-by-case basis – Mid 2023 est.

Organise table-top exercises by sub-region

- Can be back-to-back
- First exercise in January 2023
- DCoC can propose the scenario and CRIMARIO will organise plan and execute as Directors
- Other Friends welcome to co-organise / participate

Yemen

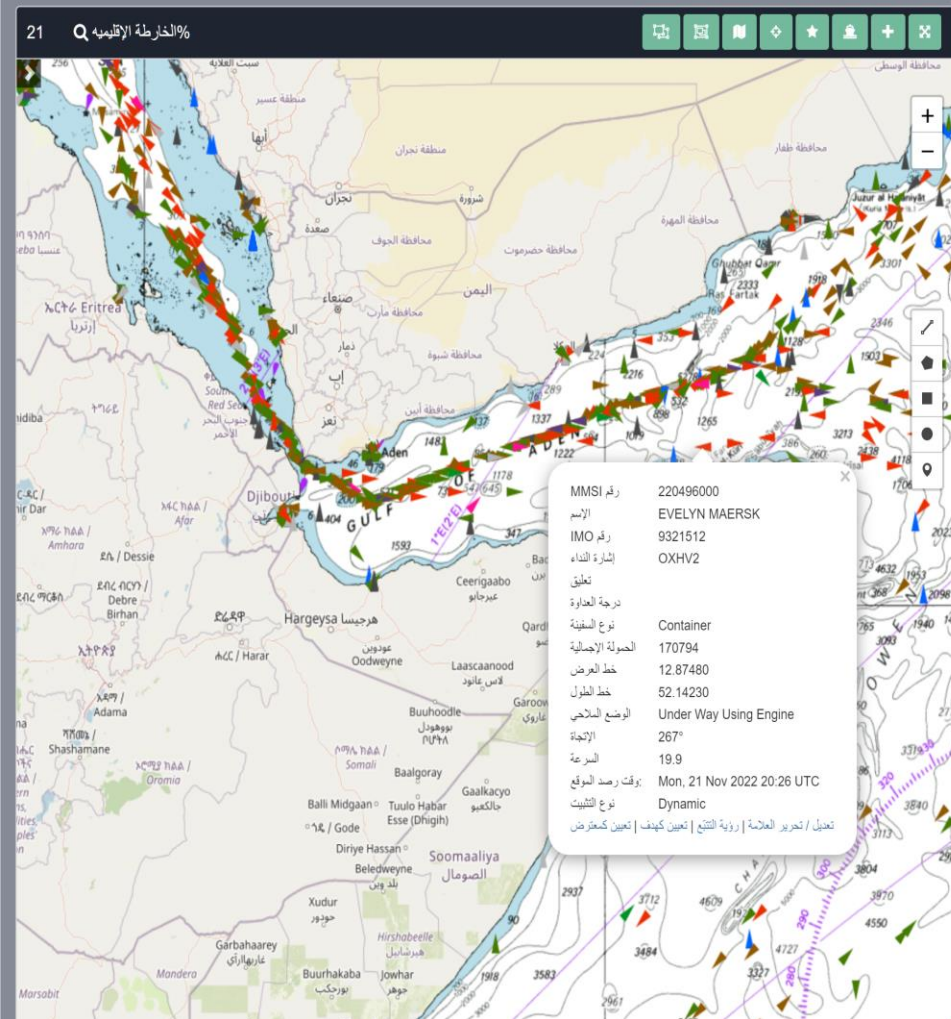
- Will focus on enabling the centre
- Can purchase limited equipment as long as sound internet connectivity is in place.

- **Free Lifetime license for all DCoC countries**
 - AIS enabled after training and trial agreement
 - Trial agreement :
 - Signed by agency not country
 - Receive Satellite AIS data from CRIMARIO on trial basis (3-4 months);
 - Agency commits to keep IORIS logged on and visible
 - Agency agrees to respond to Comms Checks on Hub.

We propose that the DCoC considers to adopt this resolution by the end of this meeting:

1. The DCoC **tests** the **IORIS information-exchange system for one year** by establishing a **Community Area on IORIS** to exchange information related to the safety and security of navigation.

IORIS is being proposed since all DCoC countries already have a license to use the system.



Messages | Forms | Documents | Active Users | Markers

Add New Message + | Export messages | Show All

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Thank you

Any questions?



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