

Training and Capacity Building September 1st, 2018

First courses...

Serial	Event	Duration (days)	Number of countries	Number of services	Number of attendees
1	Course MDA 1 (February 2016) “Maritime data processing : format and present data from PC applications”	5	7	13	21
2	Course MDA 2 (April 2016) “Maritime data processing: basic analysis utilising a standard PC”	5	9	12	27

First course, February 2016



First course, February 2016

“Super cours! Excellente présentation. Tout a été fait très professionnellement. J'ai été particulièrement impressionné par l'expertise pédagogique et l'encouragement du développement intellectuel par les deux conférenciers. Ils ont démontré comment analyser les données et à décomposer le processus en étapes faciles à comprendre. Je me sens beaucoup plus confiant, alors que je fais mes premiers pas dans l'analyse des données, le traitement, le stockage et le partage vers d'autres pays africains »

“Great course! Excellent presentation. Everything was done very professionally. I have been particularly impressed by the teaching expertise and fostering of intellectual development by the two lecturers. They have demonstrated the ability to take the subject of data analysis and break it down into easy understandable steps. I feel a lot more confident, as I now take my first steps into analyzing data, processing, storing and sharing to other African countries easily and thus building a positive approach”

Main curricula

Maritime Data Processing (MDP)

- Visualisation: three levels, seven weeks, e-learning
- Analysis: three levels, seven weeks

Delivered to Madagascar, Comoros, Seychelles, Mauritius

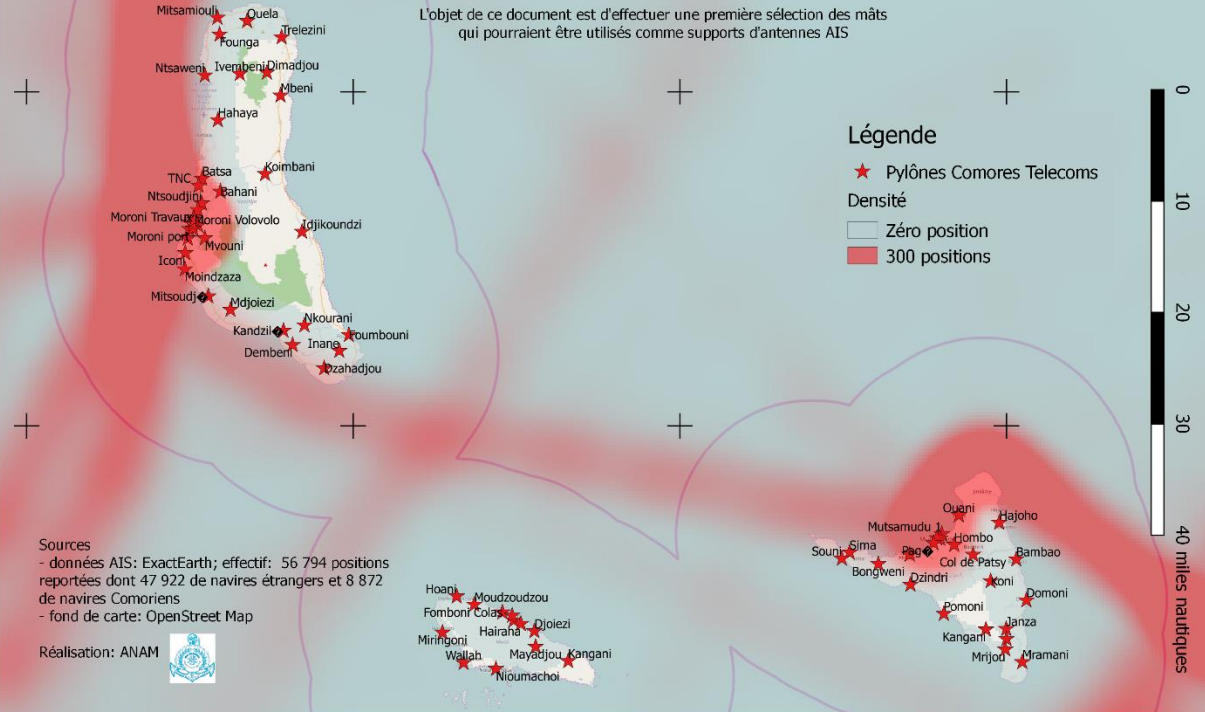
Visualisation

Vessel Name	Vessel Type	Vessel Flag	Incident	Result	Date	Incident Position
1 COMPTON	bulk carrier	Libéria	Hijack	Attempted	02 January 2012	189 Gulf of Aden
2 ALSAFINA AL SALAM	dhow	Yemen	Hijack	Attempted	03 January 2012	13.2 Yemen
3 UNDA	bulk carrier	Marshall Islands	Hijack	Attempted	04 January 2012	200 Gulf of Aden
4 TOSCANI CDE	bulker	Italy	Hijack	Attempted	04 January 2012	12.213333 Yemen
5 JALORE	crude oil tanker	India	Hijack	Attempted	05 January 2012	700 Gulf of Aden
6 SUNOHNE	bulk carrier	Bahamas	Hijack	Attempted	05 January 2012	440 Arabian Sea
7 HAPPY BIRD	log tanker	Isle of Man	Hijack	Attempted	05 January 2012	94 Arabian Sea
8 AJ Wasel	dhow	Yemen	Hijack	Attempted	06 January 2012	13.266667 Yemen
9	crude tanker		Hijack	Attempted	16 January 2012	62 Arabian Sea
10	pipe layer vessel		Hijack	Attempted	17 January 2012	13.333333 Yemen
11	crude oil tanker	Libéria	Hijack	Attempted	20 January 2012	24.833333 OMAN
12	general cargo vessel		Hijack	Attempted	30 January 2012	100 Arabian Sea
13	dhaw		Hijack	Attempted		6.556667
14	merchant vessel		Hijack	Attempted		
15	general cargo ship	Panama	Hijack	Attempted	12 January	
16	log tanker	Singapore	Hijack	Attempted	06 February	
17	chemical tanker	Panama	Hijack	Attempted	06 February	
18	bulk carrier	Malta	Hijack	Attempted	17 February	
19	bulk carrier	Malta	Hijack	Attempted	27 February	
20	chemical/oil products tanker	Vietnam	Hijack	Attempted	28 February	
21	general cargo ship	Panama	Hijack	Attempted	28 February	
22	crude oil tanker	Singapore	Hijack	Attempted	23 February	
23	bulk carrier	Libéria	Hijack	Attempted	07 February	
24	container ship	Singapore	Hijack	Attempted	09 February	
25	general cargo ship	Oman	Hijack	Attempted	14 February	
26	ro-ro cargo ship	Sri Lanka	Hijack	Attempted	15 February	
27	container ship	Singapore	Hijack	Attempted	25 February	
28	container ship	Singapore	Hijack	Attempted	24 February	
29	chemical tanker	Saudi Arabia	Hijack	Attempted	28 February	
30	chemical/oil products tanker	Panama	Hijack	Attempted	28 February	
31	dhaw		Hijack	Attempted	22 February	
32	crude oil tanker	Tanzania	Hijack	Attempted	10 March	
33	log tanker	Singapore	Hijack	Attempted	13 March	
34	oil products tanker	Bahamas	Hijack	Attempted	16 March	
35	dhaw		Hijack	Attempted	02 March	
36	chemical/oil products tanker	Panama	Hijack	Attempted	02 March	
37	general cargo ship	Yemen	Hijack	Attempted	23 March	
38	chemical/oil products tanker	Panama	Hijack	Attempted	23 March	
39	general cargo ship	Yemen	Hijack	Attempted	23 March	
40	incident/holden					

Samples of visualisation work

Carte de chaleur des positions AIS de l'année 2015 autour des îles de Ngazidja, Anjouan et Mohéli

L'objet de ce document est d'effectuer une première sélection des mâts qui pourraient être utilisés comme supports d'antennes AIS



Sources
 - données AIS: ExactEarth; effectif: 56 794 positions reportées dont 47 922 de navires étrangers et 8 872 de navires Comoriens
 - fond de carte: OpenStreet Map

Réalisation: ANAM



Row Description	Attempt	Hijack	Total Sum
1 bulk carrier	22	1	23
2 chemical tanker	3	0	3
3 chemical/oil products	11	2	13
4 container ship	9	0	9
5 crude oil tanker	13	1	14
6 dhow	3	6	9
7 fishing dhow	1	1	2
8 fishing vessel	2	2	4
9 general cargo ship	8	2	10
10 general cargo vessel	1	1	2
11 log tanker	5	0	5
12 merchant vessel	1	1	2
13 oil products tanker	5	0	5
14 passenger (cruise) shi	1	0	1
15 pipe layer vessel	1	0	1
16 ro-ro cargo ship	2	1	3
17 tug	1	0	1
18 utility vessel	1	0	1
19 vehicles carrier	2	0	2
20 crude tanker	1	0	1
Total Sum	94	16	110

Analysis

Samples of cases studies (Analysis curriculum)

- *“What is the maximum frequency of tankers crossing its inner waters that Comoros archipelago can stand before the risk of collision is too high?”*
- « Quelle est la fréquence maximale admissible de tankers croissant dans les eaux archipélagiques comoriennes avant que le risqué de collision ne devienne trop élevé? »
- *“Where is the next hotbed of piracy in the region?”*
- « Ou sera le prochain foyer de développement de la piraterie dans la région? »

Analysis

Samples of cases studies (Analysis curriculum)

- *“This morning the Suez canal closed unexpectedly, and for a minimum of one year. What consequences on maritime shipping, maritime safety and security?”*
- « Ce matin le canal de Suez a fermé sans préavis, et pour une période d’un an. Quelles conséquences sur le transport maritime, la sécurité et la sûreté maritime? »

Visualisation and Analysis: achievements

	Duration (days)	Number of countries	Number of services	Number of attendees
TOTAL	283			517
AVERAGE PER EVENT		2,0	5,7	16,2
MAXIMUM	21	9	13	31

These figures include two technical courses (technical English and AIS)

Exercises

Exercises

- 12 to 96 hours
- “Command Post” CPX
- Interagency and regional coordination
- Drug, IUU, human trafficking, pollution...
(tailored team)
- Remote and or white cell

Kenya, Yemen, Tanzania, Seychelles, Comoros

Exercises

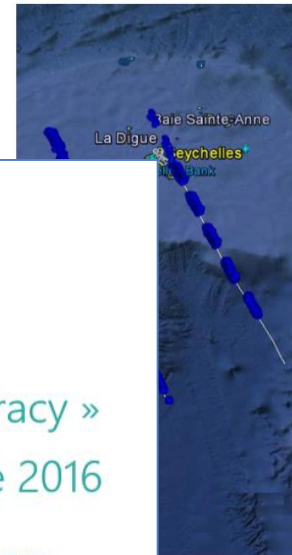
Serial	Event	Duration (days)	Number of countries	Number of services	Number of attendees	Note
4	Exercise IS1.2 (June 2016): “Crisis response: sharing of information during a piracy”	1	2	2	15	
6	Exercise IS1.1 Seychelles (September 2016): “Crisis response: sharing of information during a major oil spill”	4	1	9	30	20+10
23	Exercise Visualisation and analysis Comoros (January 2018)	3	1	5	14	

Exercises



IS1.1 « pollution » Seychelles 26-29 Sep 2016

Final debrief



IS1.1 "Pollution" was an exercise prepared by the EU CRIMARIO project to the benefit of the Seychelles administration. It aimed at training response teams in managing *the information* during a pollution situation in eastern Indian Ocean in compliance with their national plans and in coordination with their regional partners. It is a "command post exercise" (CPX), no asset was moved on the ground or at sea.

For this edition, CRIMARIO gathered expertise from the CEDRE (France), the Italian Coast-Guard, and the French Navy/MASE program.

The exercise took place at DRDM's premises under the direction of Paul Labaleine, the director of the DRDM. The live phase last two days (27 and 28 September). All parties consider this first edition very successful.

of the oil spills
(edre)



IS1.2 « Piracy » 14th June 2016

FINAL DEBRIEF

IS1.2 "Piracy" is an exercise scheduled and conducted by the EU CRIMARIO project to the benefit of the three Information Sharing Centers created in the frame of the Djibouti Code of Conduct (IMO-C102/14, 3 April 2009). It aims at training ISC' crews in managing *the information* during a piracy situation in eastern Indian Ocean in compliance with their tasks (combination of art 2, 8,9,10 of DCoC).

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, counter narcotic, and smuggling.

Restitution de l'exercice « Visualisation et Analyse » de données d'intérêt maritimes

Moroni, le 25 janvier 2018

EU CRIMARIO project

Funded by



Implemented by



Funded by



Implemented by



Workshops

“Workshops”

- Djibouti: preparation to CUTLASS EXPRESS 2017
- Comoros: data base on ACCESS
- Madagascar: data base on historic AIS data

IORIS Training

IORIS 10 juillet 2018 UTC 13:47:19 Local Time 16:47:19 Training Site English Home My Alerts Help Low BW Version Chat Hello ops_rcoc@efficientsea.training! Log Off

Espace commun - Common area M/V Karaboudjan

M/V Karaboudjan

Regional Map

Messages Forms Documents Active Users

Franck Razafindraibe, (Polymorph)
10/7/2018 13:42
Karaboudjan stopped his AIS.
MTO on scene : wind NW 15 kt. Sea state 3. Non significative : 5 WE
Nebulosity : Overcast FL080 - Visibility more than 10 KM

OPS CDQ OWO La réunion/France, (Polymorph)
10/7/2018 13:27
MPA ATL1 – France, Alerte à une heure Ajouté par OPS CDQ OWO La réunion/France
Asset available for joint ops: MPA ATL1. Readiness: one hour.

OPS OWO CDQ Mauritius, (Polymorph)
10/7/2018 13:18
CG Barracuda - Mauritius Added By OPS OWO CDQ Mauritius
CG Barracuda available for a follow-up.
ETA on suspect would JUL 11 0200 UTC

OWO RCOC CDQ CRCO, (Polymorph)
10/7/2018 13:8
To all: first SITREP available in docs

Franck Razafindraibe, (Polymorph)
10/7/2018 13:4
History of Karaboudjan loaded.

Admin;
10/7/2018 13:1
Markers Karaboudjan FR Imported by : Franck Razafindraibe

Admin;
10/7/2018 12:57

© 2018 - Polymorph Ltd (Build Number: 20180707.1)

IORIS Training

Defined different levels of skills:

- **TRAINER**
 - Ability to conduct basic training
- **BASIC**
- **INTERMEDIATE**
- **ADVANCED**
- **GROUP TRAINER**
 - Ability to conduct INTERMEDIATE and ADVANCED courses.
 - These trainers will take over CRIMARIO.

Roadmap from September 1st

– ANALYSIS course

- Achieve Seychelles (Mauritius) and Kenya (Madagascar)

– IORIS

- Train all participants of CUTLASS EXPRESS before the end the year
- Train national group trainers so they can deliver INTERMEDIATE and ADVANCED courses

– CPX/CRT

- Organise 6 CPX/CRT

– WORKSHOPS

- Achieve Madagascar Data Base

Training and Capacity Building



Olivier Bézier
olivier.bezier@crimario.eu

- CMR website:
<http://www.criticalmaritimeroles.eu/>
-  @EUCrimario
-  [EU Crimario](#)