





SESSION 3

“ ESTABLISHING NMISCs AS THE FOUNDATION FOR THE DCOC ISN ”

CASE OF NMIFC MADAGASCAR EXPERIENCE

Presented by
Captain (Navy) RAZAFINDRAIBE Franck
Head of NMIFC Madagascar



AGENDA



- 1. MADAGASCAR MARITIME PROFILE**
- 2. THE DEVELOPMENT OF A NATIONAL MARITIME FUSION CENTER (NMIFC)**
- 3. PROPOSITION FOR PROMOTING EXCHANGING AND SHARING MARITIME INFORMATION FROM NATIONAL TO REGIONAL LEVEL**



1. MADAGASCAR MARITIME PROFILE



MADAGASCAR MARITIME PROFILE



5.000 km of coastline
253 islands and ilet
111.120 km² of territorial sea
1.270.000 km² of EEZ
860. 900 km² of Continental Shelf
(Under claim)

- Maritime potential activities :**
- **Maritime transport**
 - **Fishing activities**
 - **Maritime tourism**
 - **Marine Scientific Research**
 - **Maritime offshore mining**



Maritime issues



- **Maritime safety and security issues impacting the national economy and the marine environment**
- **Multiplicity of ministries and agencies in charge of the maritime field : 12 ministries, stove piping approach, non cooperation, etc.**



2. THE DEVELOPMENT OF A NATIONAL MARITIME FUSION CENTER (NMIFC)





THE STEPS



- **National dialogue**
- **Learn from foreign experiences (IFC singapore and UK NMIC)**
- **Legal and technical development**



The National Maritime Information Fusion Center

28th June 2022

DCOC/JA HIGH LEVEL MEETING



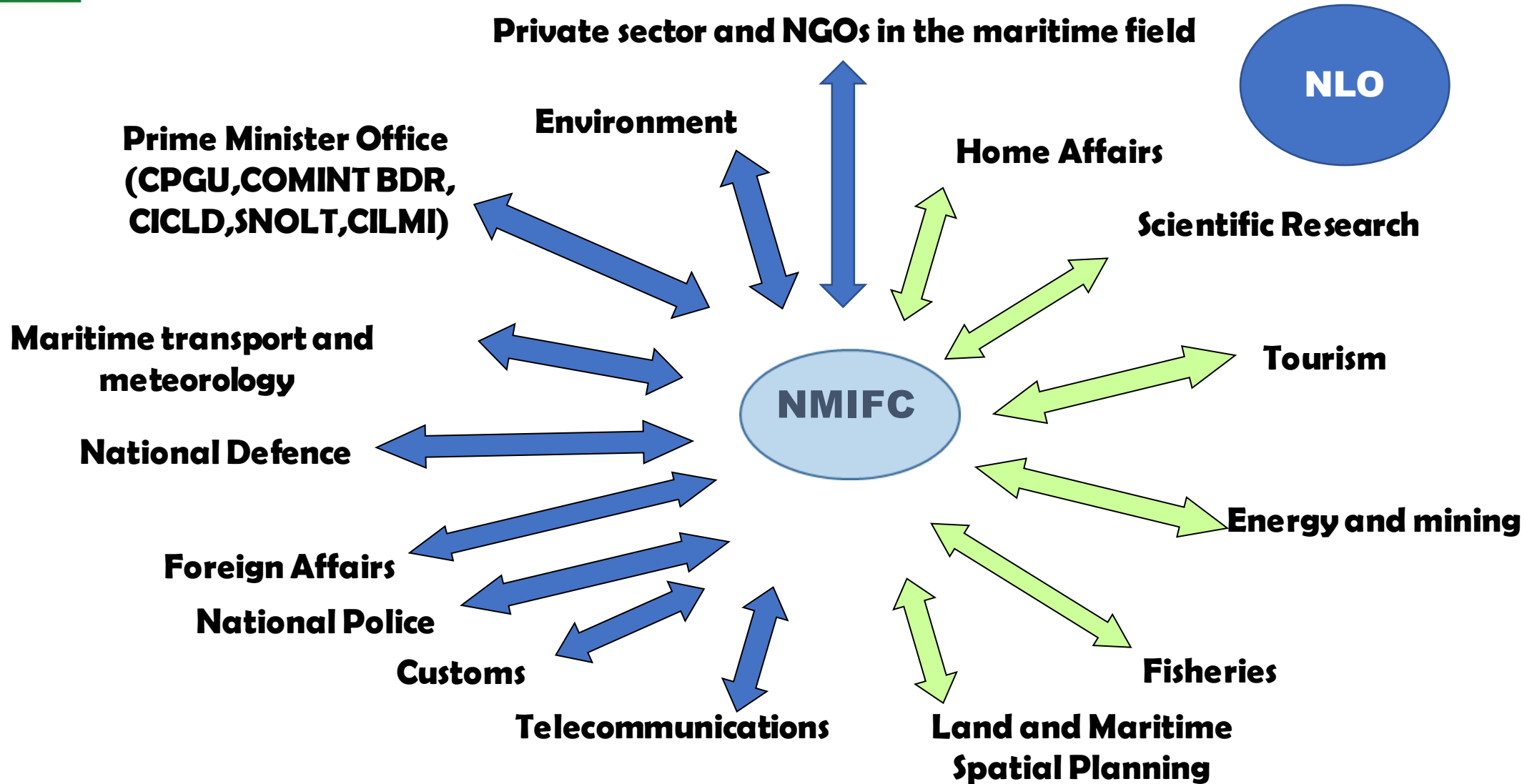
STATUTE & MAIN GOAL



- **Statute : Administrative Public Institution**
- **Legal basis:**
Decree n° 2015-998 on 23 June 2015
related to creation and organization of the MIFC modified and complemented by the Decree n° 2016-1446 on 29 November 2016.
- **Main goal :**
To identify and to assess in advance potential maritime risks within Madagascar maritime space in order to establish an advanced alert.

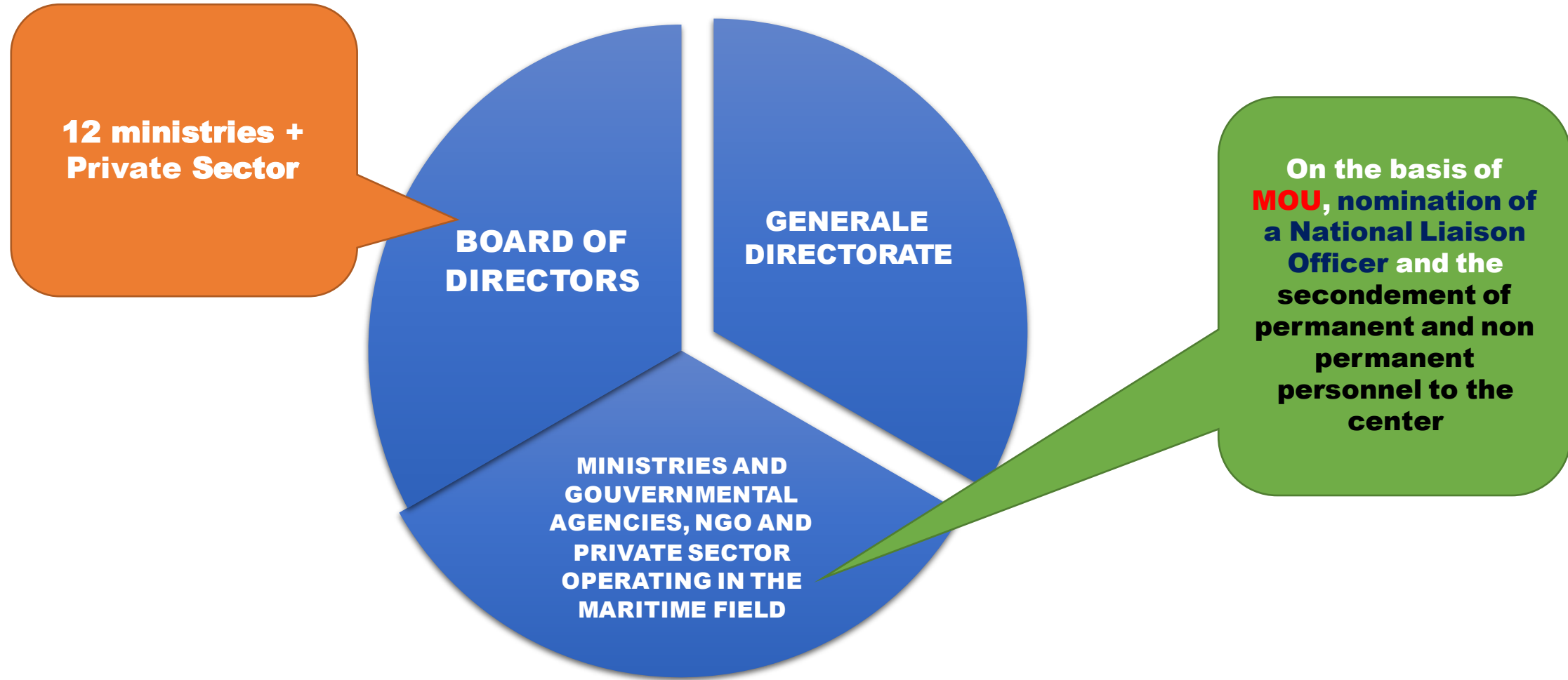


NMIFC: An interagency organization





ORGANISATION





Interagency Human Resources



PERMANENT SECONDMENT	PART TIME PRESENCE
<ul style="list-style-type: none">• Navy	<ul style="list-style-type: none">• Navy
<ul style="list-style-type: none">• Air Force	<ul style="list-style-type: none">• Air Force
<ul style="list-style-type: none">• Army	<ul style="list-style-type: none">• Fisheries Surveillance Center
<ul style="list-style-type: none">• National Police	<ul style="list-style-type: none">• Ministry of Environment, Ecology and Forest
<ul style="list-style-type: none">• National Gendarmerie	<ul style="list-style-type: none">• Geographic and Hydrographic National Agency
<ul style="list-style-type: none">• Custom	<ul style="list-style-type: none">• General Directorate of Meteorology
	<ul style="list-style-type: none">• Ministry of Transports, Tourism and Meteorology



NMIFC AREA OF INTEREST



5.000 km of coastline
253 islands and ilets
111.120 km² of territorial sea
1.270.000 km² of EEZ
860. 900 km² of Contiental Shelf



MISSION OF THE NATIONAL MARITIME INFORMATION AND FUSION CENTRE

To collect, fuse, and analyse maritime information

To produce reports and studies related to maritime safety and security as well as the maritime field in general.

To maintain a recognized maritime picture (RMP)



Provide operationally significant maritime information to National Agency, institution, organism and entity having the mission to coordinate and plan Operations at sea

To establish national Maritime Situational Awareness

DCOC/JA HIGH LEVEL MEETING



Considering maritime threats under 12 PIRs instead of 13 PIRs



1	Violent Acts at Sea
2	Illegal, Unregulated and Unreported Fishing (IUU Fishing)
3	Illegal Migration/ Human Trafficking by Sea
4	Drug and Small Arms Trafficking/ Smuggling by Sea
5	Weapon Proliferation (PSI)
6	Maritime Incidents
7	Natural Events and HADR
8	Maritime Critical Infrastructure
9	Yachting and Maritime Tourism
10	Marine Environment
11	Maritime Cybercriminality
12	Others

Maritime Safety & Security

Blue Economy

Marine Environment Protection



Working process



INPUTS

Collect of informations

FUSION & ANALYSIS

Fusion of informations

Analysis of informations

OUTPUTS

Production of a RMP

Production of deliverables (VOI, Alerts and Reports)

SHARING

MARITIME OPERATORS

MARITIME ANALYSTS & TECHNOLOGY

IORIS

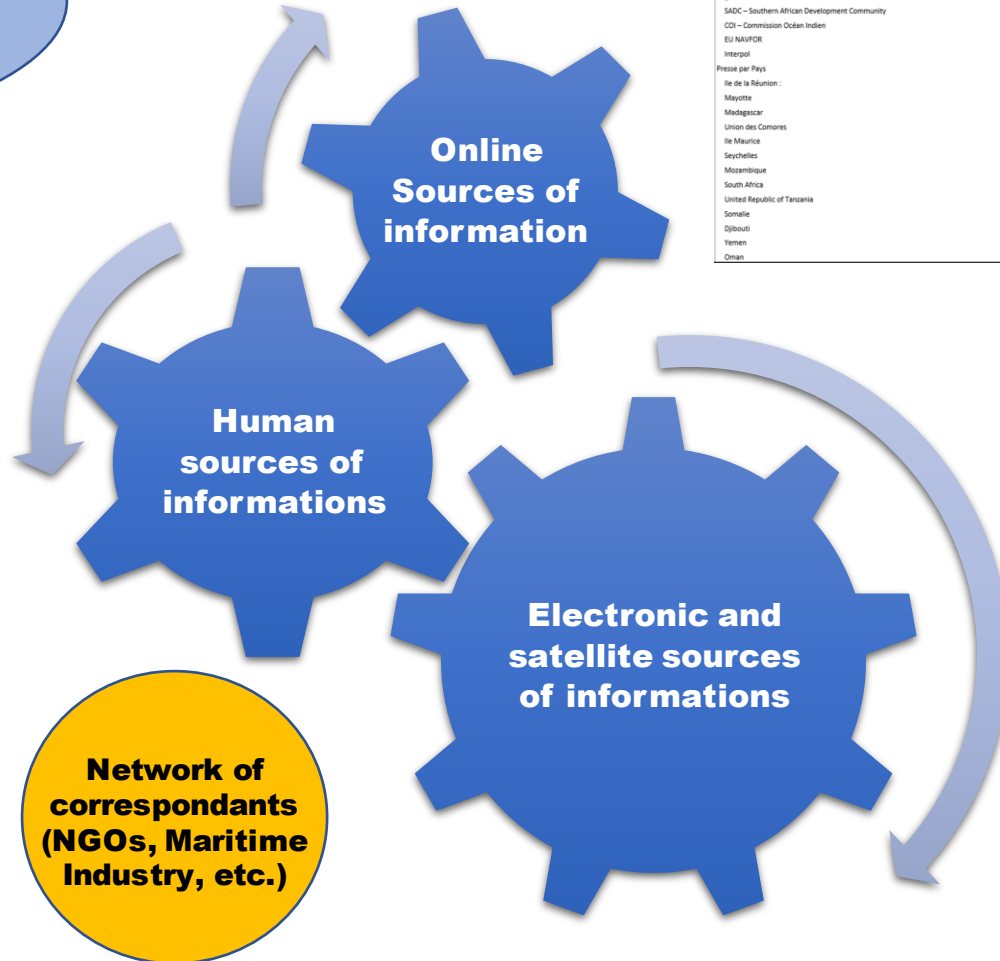
CRIMARIO



Sources of informations



- National Liaison Officers
- Representatives of national departments at the MIFC



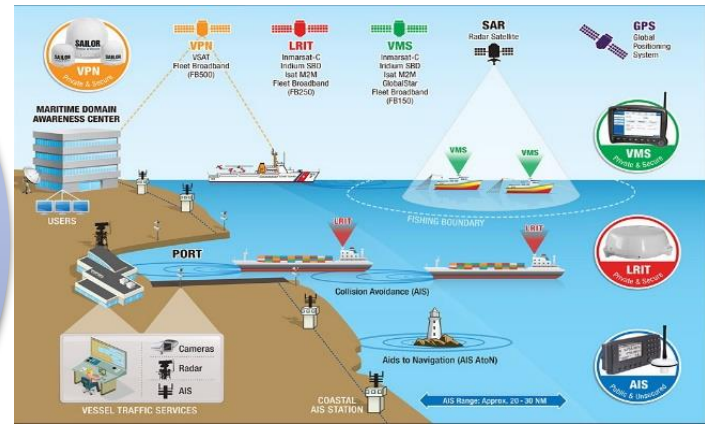
Sommaire	2	http://www.franceinfo.fr/	France Info
Presse Internationale	2	http://www.lemonde.fr/	Jeune Afrique
Maritime	2	http://www.lesaffaires.com/	Tik Monde
Clusters maritimes	2	http://www.lesaffaires.com/	Revue Afrique NTA
Compagnies maritimes	3	http://www.lesaffaires.com/	BBC News Africa
AIS	3	http://www.lesaffaires.com/	CNN
Presse maritime	3	http://www.lesaffaires.com/	View Of Africa
Organisations	4	http://www.lesaffaires.com/	All Africa
SADC - Southern African Development Community	4	http://www.lesaffaires.com/	Parasails
CCI - Commission Ocean Indien	4	http://www.lesaffaires.com/	Parasails Pro
EU NAVFOR	4	http://www.lesaffaires.com/	Parasails Pro
Interpol	4	http://www.lesaffaires.com/	Parasails Pro
Presse par Pays	4	http://www.lesaffaires.com/	Parasails Pro
Île de la Réunion :	4	http://www.lesaffaires.com/	Parasails Pro
Mayotte	5	http://www.lesaffaires.com/	Parasails Pro
Madagascar	5	http://www.lesaffaires.com/	Parasails Pro
Union des Comores	5	http://www.lesaffaires.com/	Parasails Pro
Île Maurice	6	http://www.lesaffaires.com/	Parasails Pro
Seychelles	6	http://www.lesaffaires.com/	Parasails Pro
Mozambique	7	http://www.lesaffaires.com/	Parasails Pro
South Africa	7	http://www.lesaffaires.com/	Parasails Pro
United Republic of Tanzania	8	http://www.lesaffaires.com/	Parasails Pro
Somalie	8	http://www.lesaffaires.com/	Parasails Pro
Djibouti	9	http://www.lesaffaires.com/	Parasails Pro
Yemen	9	http://www.lesaffaires.com/	Parasails Pro
Oman	10	http://www.lesaffaires.com/	Parasails Pro

VCR
 National MOCs
 (Navy, MRCC,
 DRMB, FSC, etc.)



Witnesses on land

Network of correspondants
 (NGOs, Maritime Industry, etc.)

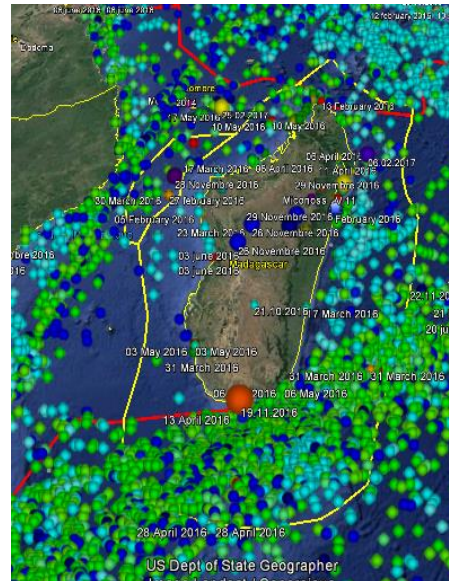




DELIVERABLES OF THE NMIFC



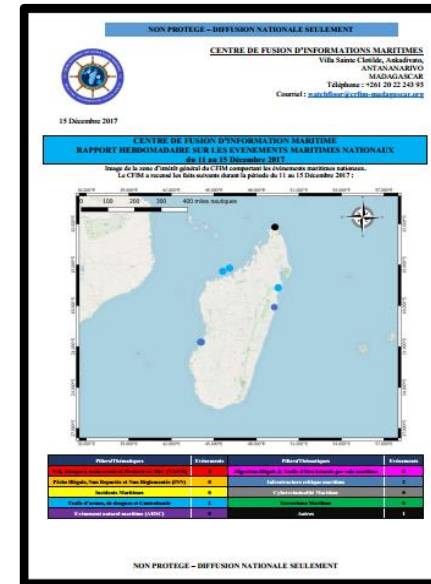
Daily Maritime Information Bulletin



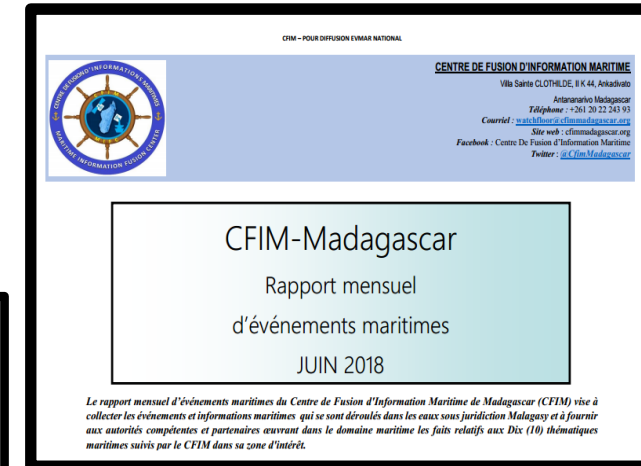
Recognized Maritime Picture



Daily Maritime Traffic Situation and port status



MSS Weekly Report



MSS Monthly Report

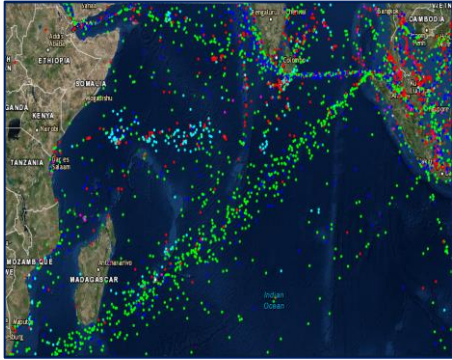


NMIFC ACTUAL OPERATIONAL CAPABILITIES



MARITIME AWARENESS SYSTEM (MAS)

EXACT EARTH



IUU FISHING ACTIVITIES



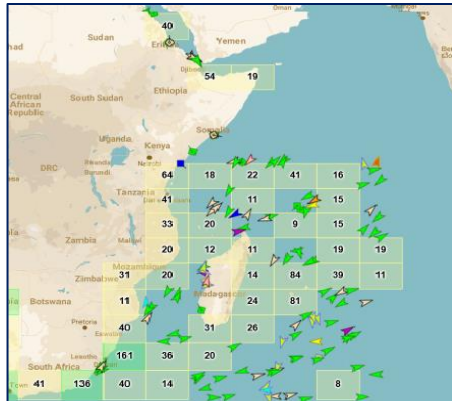
- Acquisition of information on suspicious vessels, suspicious appointments and satellite images (Sentinell 1,2,3)
- Collection of maritime intelligence/information in the framework of the fight against IUU fishing
- Strengthening maritime transparency
- Use as an alert tool for real time knowledge of suspicious presence
- Pre-detection of IUU fishing related activities

INFORMATION SHARING PLATFORMS

IORIS 2.0



SEAVISION



AIS INFORMATION
75% of ship detection ensured

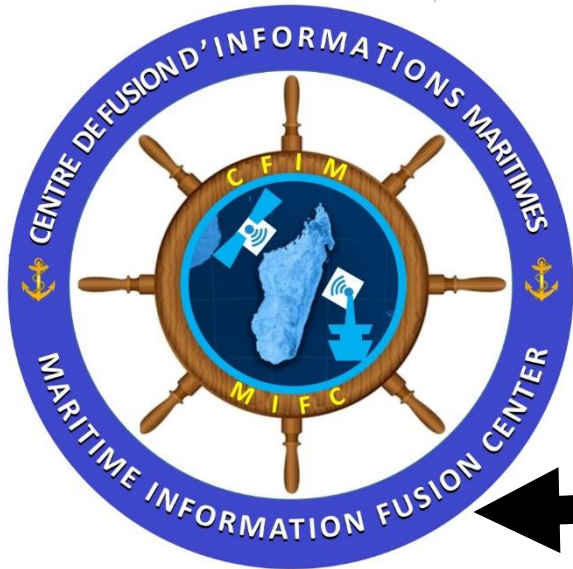
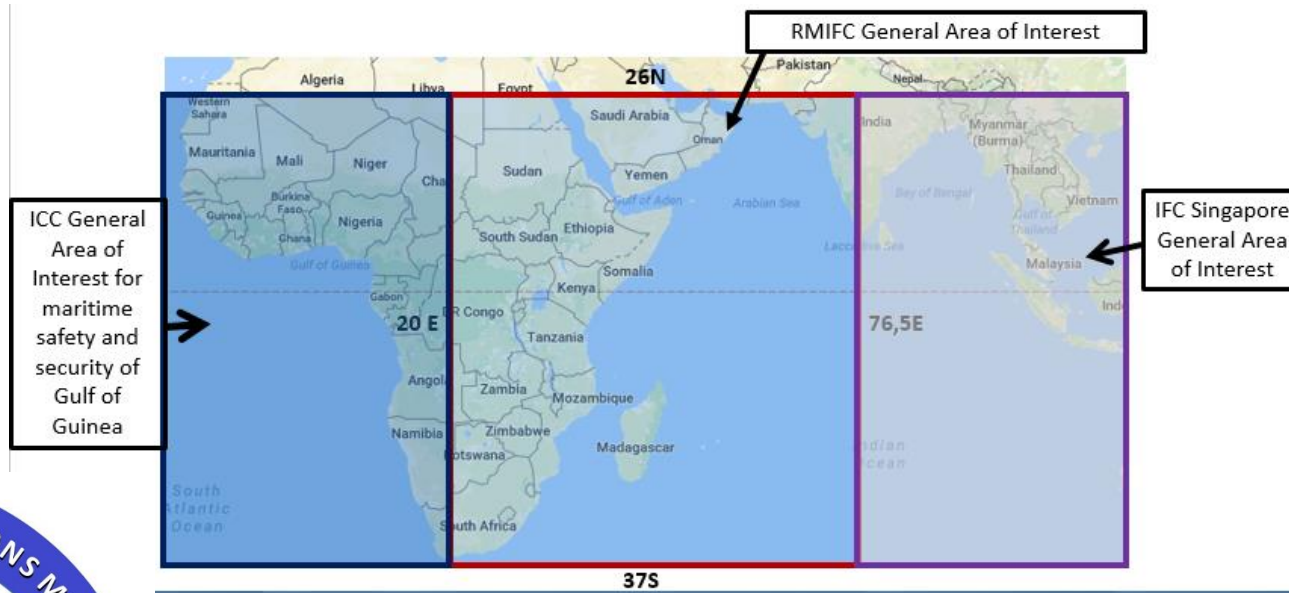
28th June 2022



MERCURY



Madagascar link to the RMIFC



ESA-IO REGION

MADAGASCAR



NATIONAL LEVEL



- **Establishing a strong national ISC**
- **Combining the « need to know » and the « need to share » approaches**
- **Building trust through dialogue (Political, interministerial and interagency)**
- **Establishing the legal and the technical components (Start from what you have)**



REGIONAL LEVEL



1. OPERATIONAL LEVEL : « Building a network of NISC and ISCs within DCoC »

- Designation by each Member State of a National Reference Centre within the framework of the establishment of the ISC regional network
- Standardization of national centers in terms of equipment, in order to reach the technical terms of reference as a reference center for the exchange and sharing of maritime information
- Developing SOPs and put in place common platform for exchange and sharing maritime information
- Establishing common environment (COMM PLAN) and promoting dialogue to info sharing (TTX, FTX, conference, trainings)

2. STRATEGIC LEVEL : « Establishing an adequate regional framework »

- Promote bilateral or multilateral dialogue in order to develop a culture of exchange and sharing of information and thus overcome the challenges identified and encountered by each Member State
- Promote regional and international cooperation
- Develop National/Regional MARSEC Strategy
- Encourage regional framework in terms of exchanging and sharing maritime information to combat maritime security and safety threats with others regional IFC in the region

Questions?



NMIFC

**Lot II K44, Villa « Sainte Clotilde », Ankadivato, P.O. Box 3965
101 Antananarivo, Madagascar**

Mercury ID : MIFC

E-mail : watchfloor@cfimmadagascar.org

Facebook: Centre de Fusion D'Informations Maritimes

Twitter: @NMIFCenter

website: <https://cfimmadagascar.org>

Phones: +261 34 05 414 07; +261 34 05 414 05 (Mobile) or +261 020 22 24 393 (Front Desk)