



PERSISTENCE OF  
IUUF OPERATIONS IN INDIAN OCEAN:  
**8 MEASURES TO BE CONSIDERED BY IORA**

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# Indian Ocean Tuna Stock Status 2015

	Stock Status
<b>Albacore (<i>Thunnus alalunga</i>)</b>	
<b>Bigeye tuna (<i>Thunnus obesus</i>)</b>	
<b>Skipjack tuna (<i>Katsuwonus pelamis</i>)</b>	
<b>Yellowfin tuna (<i>Thunnus albacares</i>)</b>	<b>94%*</b>

The stock status changed as a direct result of the large and unsustainable catches of yellowfin tuna taken over the last three (3) years.

# Indian Ocean Billfish Stock Status 2015

	Stock Status
<b>Swordfish (<i>Xiphias gladius</i>)</b>	
<b>Black marlin (<i>Makaira indica</i>)</b>	
<b>Blue marlin (<i>Makaira nigricans</i>)</b>	
<b>Striped marlin (<i>Tetrapturus audax</i>)</b>	<b>60%*</b>
<b>Indo-Pacific sailfish (<i>Istiophorus platypterus</i>)</b>	

# Indian Ocean Neretic Tuna and Mackerel Stock Status 2015

	Stock Status
<b>Bullet tuna (<i>Auxis rochei</i>)</b>	
<b>Frigate tuna (<i>Auxis thazard</i>)</b>	
<b>Kawakawa (<i>Euthynnus affinis</i>)</b>	
<b>Longtail tuna (<i>Thunnus tonggol</i>)</b>	25%*
<b>Indo-Pacific king mackerel (<i>Scomberomorus guttatus</i>)</b>	
<b>Narrow-barred Spanish mackerel (<i>Scomberomorus commerson</i>)</b>	

# Indian Ocean Shark Stock Status 2015

	Stock Status
<b>Blue shark (<i>Prionace glauca</i>)</b>	
<b>Oceanic whitetip shark (<i>Carcharhinus longimanus</i>)</b>	
<b>Scalloped hammerhead shark (<i>Sphyrna lewini</i>)</b>	
<b>Shortfin mako shark (<i>Isurus oxyrinchus</i>)</b>	
<b>Silky shark (<i>Carcharhinus falciformis</i>)</b>	
<b>Bigeye thresher shark (<i>Alopias superciliosus</i>)</b>	
<b>Pelagic thresher shark (<i>Alopias pelagicus</i>)</b>	

# Indian Ocean Turtles and Seabirds Stock Status 2015

## Marine turtles

Reporting of interactions with IOTC fisheries is required by the Commission.

	Stock Status
<b>Marine turtles (6 species)</b>	

## Seabirds

Reporting of interactions with IOTC fisheries is required by the Commission.

	Stock Status
<b>Seabirds (various species)</b>	

# State of the Stocks

- 24 species of marine life (tuna – birds)
  - 12 are unknown (grey): require precautionary approach
  - 6 are overfished: Yellowfin tuna is overfished by 94%, Striped Marlin is overfished by 60%
  - 4 are not overfished
  - 2 are subject to overfishing
- 1996 IOTC was established: 20 years
- **20 years and yet Indian Ocean is overfished**

# Why the persistence (1)

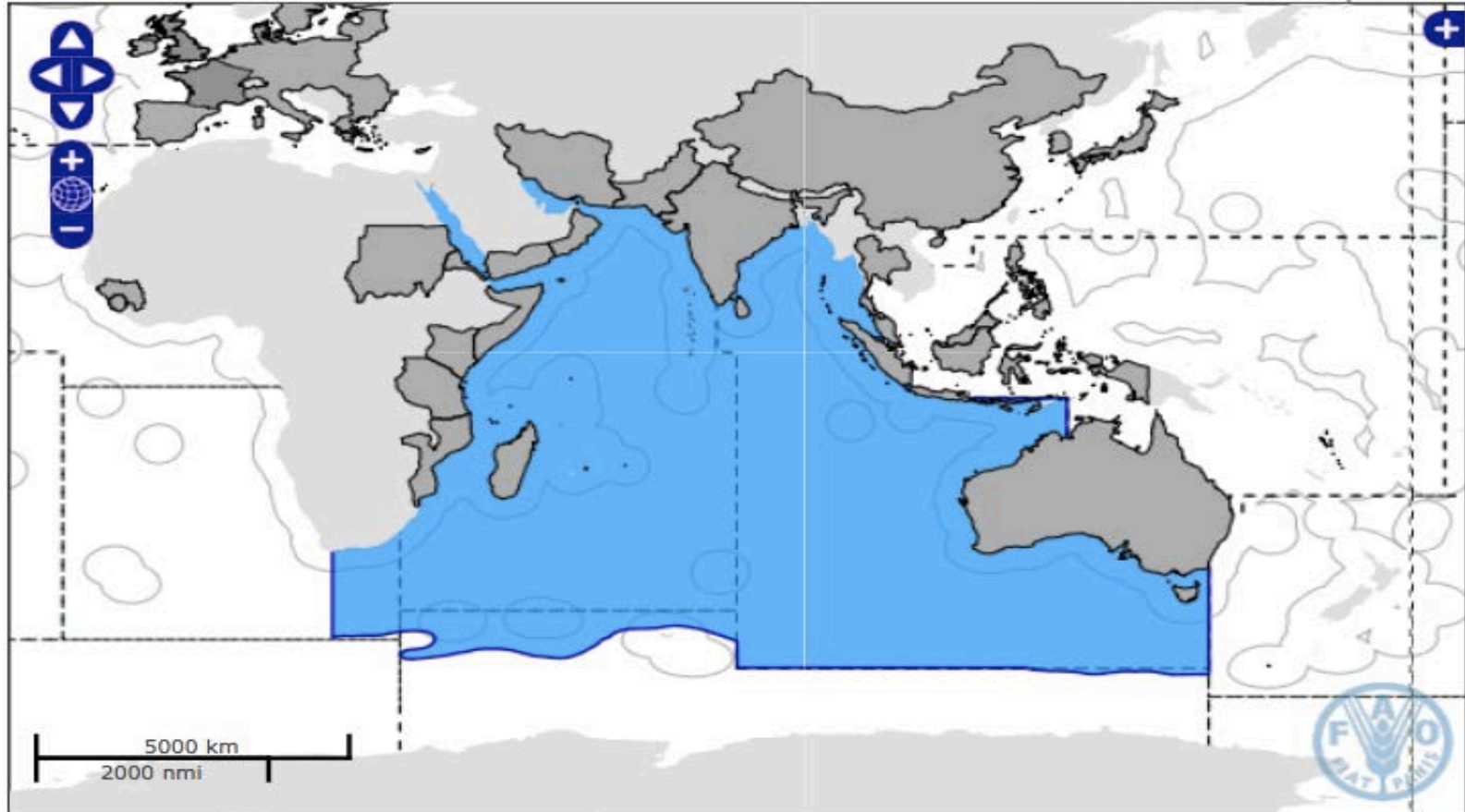
- Lack of strong legally binding international instruments
- Lack of criminalization of own nationals engaging IUUF in areas beyond national jurisdictions
- Area of enforcement is very large



# Vast Area of IOTC

## IOTC area of competence - High seas, National waters

[Launch the RFBs map viewer](#)



- Area of competence
- Established limits of the area of competence
- Members
- FAO fishing areas
- 200 nautical miles arcs

# Why the persistence (2)

- High cost of fisheries enforcements
- Resource constraints of maritime agency of IORA countries
- Rising Middle Class: Rising Demand
- Global network of IUUF criminals, such as MV Viking

**MV VIKING: IUUF VESSEL OF NIGERIAN FLAG. 1322 GT  
UNDER INTERPOL NOTICE  
CHANGED NAME : 13 TIMES  
CHANGED FLAGS : 12 TIMES  
CHANGED CALL SIGN : 8 TIMES  
INTERNATIONAL CREW: CHILEAN CAPTAIN  
EQUIPPED WITH 399KM FISH-NET  
AREA OF OPERATION:  
THE OCEANS OF PLANET EARTH**



**MV VIKING: IUUF VESSEL OF NIGERIAN FLAG  
ARRESTED WHILE WAITING TO BE REPAIRED IN SINGAPORE**



# THE END OF MV VIKING



# 8 Measures to be considered by IORA

- 1. Ratification of PSMA by all IORA member states**
- 2. Regionalized PSMA into IORA cooperation**
- 3. Joint inspection and surveillance scheme**
- 4. Establish Fisheries Inspectors Training and Forum**
- 5. Maritime law enforcement Forum**
- 6. Joint enforcement operations and planning**
- 7. Enhanced Coordination and Information Sharing**
- 8. Capacity Building from members to members**

What will we do if the  
Indian Ocean Yellowfin  
Tuna extinct ?

**20 Years of IOTC And Yet Indian Ocean Is Overfished**