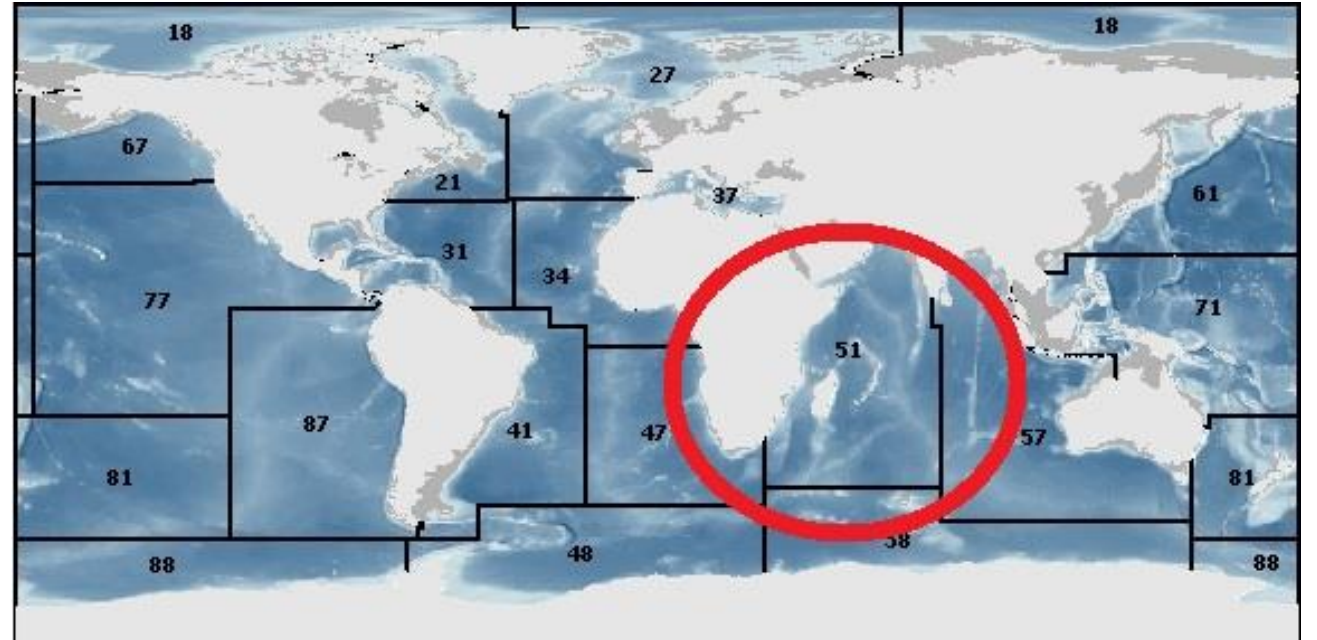


TUNA FISHERIES IN MADAGASCAR



II. Tunas, *migratory fishing*

Nom Anglais FAO	Nom Français FAO
Yellowfin tuna	Albacore
Skipjack	Listao; Bonite à ventre rayé
Bigeye tuna	Patudo; Thon obèse
Albacore tuna	Germon
Southern Bluefin tuna	Thon rouge du sud
Longtail tuna	Thon mignon
Kawakawa	Thonine orientale
Frigate tuna	Auxide
Bullet tuna	Bonitou
Narrow barred Spanish Mackerel	Thazard rayé
Indo-Pacific king mackerel	Thazard ponctué
Blue Marlin	Makaire bleu
Black Marlin	Makaire noir
Striped Marlin	Marlin rayé
Indo-Pacific Sailfish	Voilier de l'Indo-Pacifique
Swordfish	Espadon



Regional fishery management organization: IOTC

- Covered area: 51 and 57
- 30 contracting member countries
- 01 non-contracting country
- 16 species

II. Migration of tunas targeted by *LONGLINERS*

Migration pattern



Thunnus alalunga
(Germon)



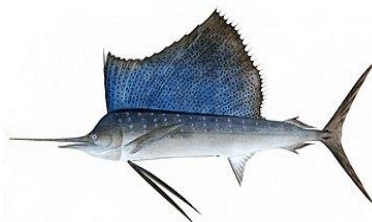
Thunnus obesus
(Patudo)



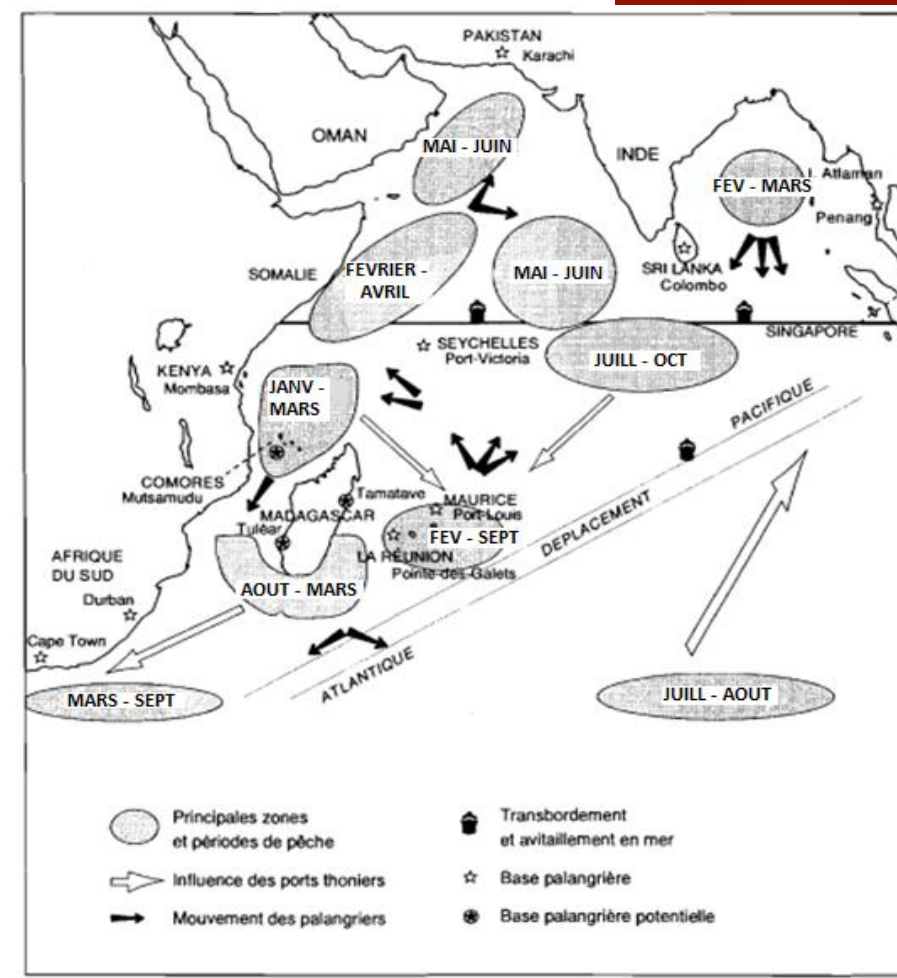
Makara nigricans
(Makaire bleu)



Thunnus albacares
(Albacore)

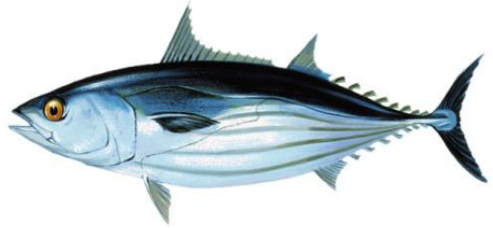


Xiphias gladius (Espadon)



II. Migration of tunas targeted by PURSE SEINERS

Migration pattern



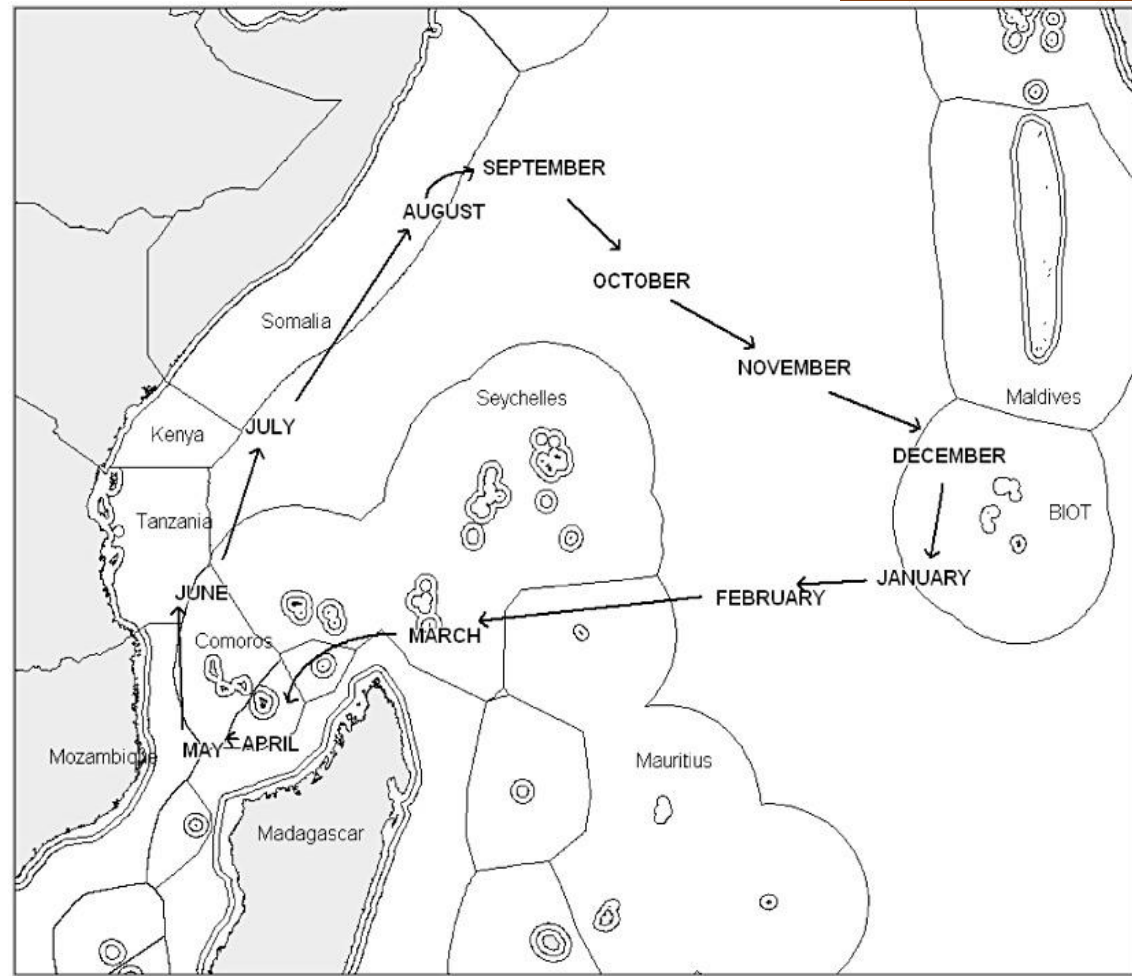
Katsuwonus pelamis (Listao)



Thunnus albacares (Albacore)

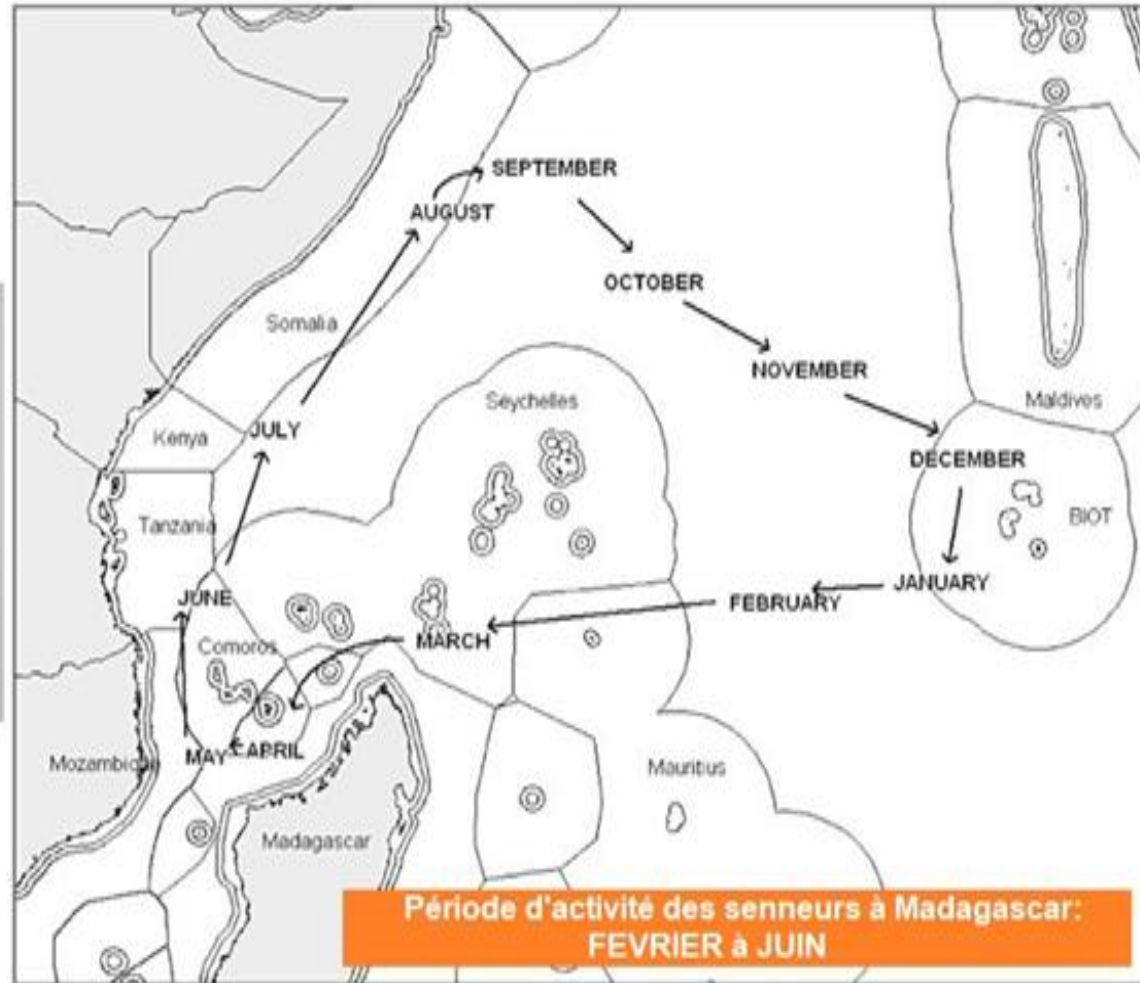


Thunnus obesus (Patudo)

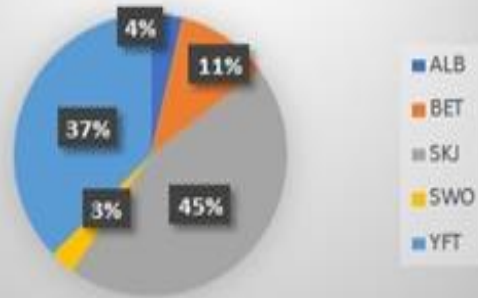


II. Migration of tunas targeted by purse seiners (cont.)

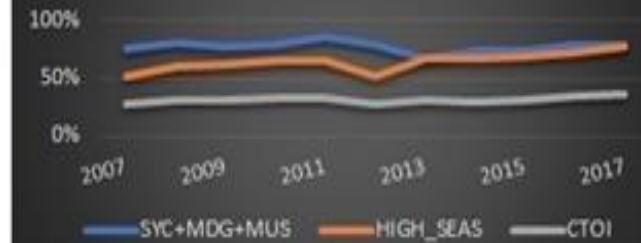
Migration des thons ciblés par les SENNEURS



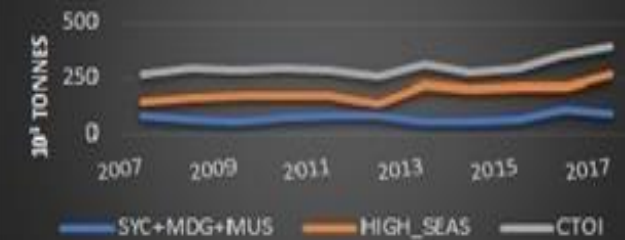
Composition spécifique des espèces capturées par les senneurs



Pourcentage des captures des senneurs par rapport aux captures totales

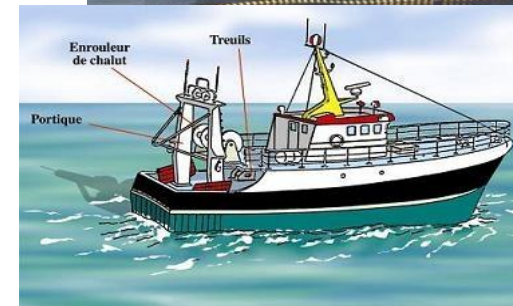
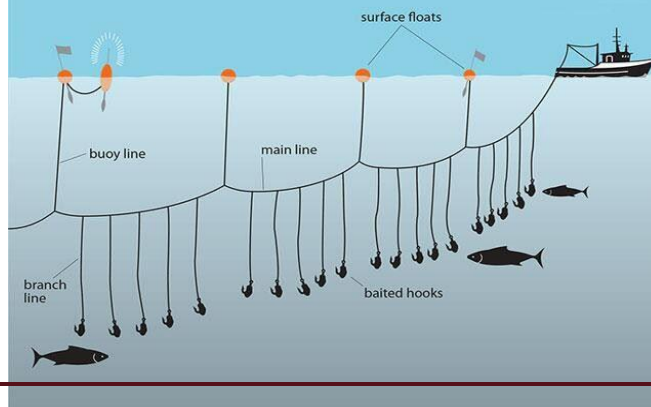


Evolution des captures des senneurs (PS) de la zone de la CTOI



Madagascar encourages selective fishing techniques...

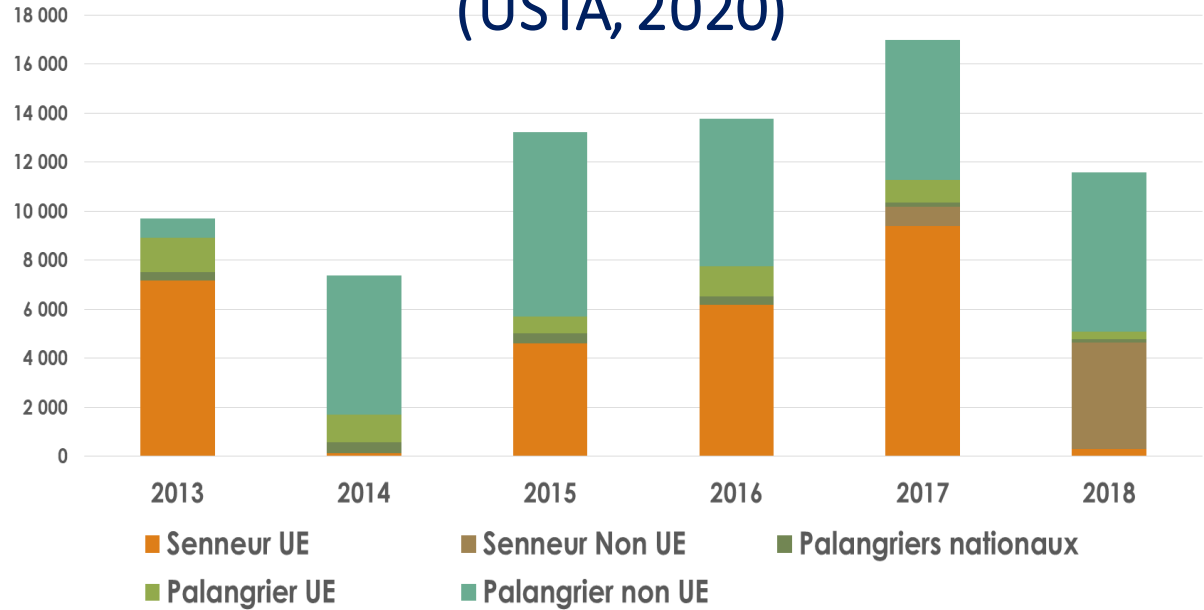
Longliner (*Selective fishing*)



Seiner (*Poorly selective fishing*)

III. Tuna catches in Madagascar's EEZ

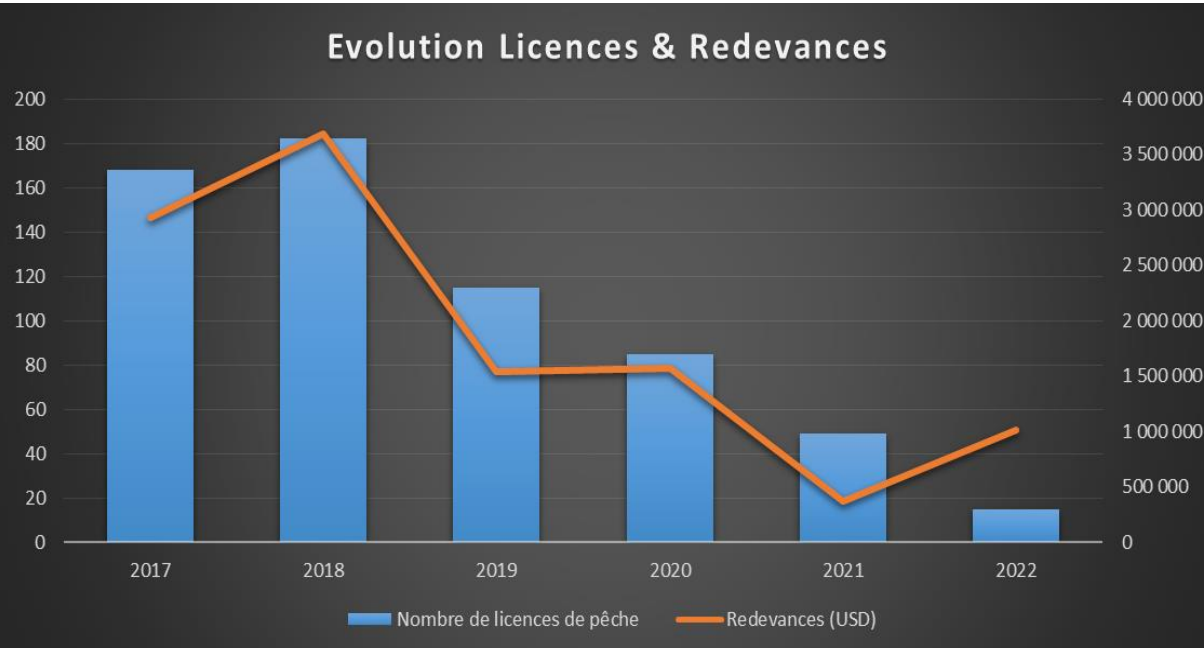
(USTA, 2020)



Existing types of fishing:

1. Longline fishing technique
2. Seine fishing technique (using anchored or derivating FADs)

Evolution Licences & Redevances



Currently active vessels	Existing protocols	Number and type of vessels
JAPAN TUNA	10 longliners	7
INTERATUN	06 purse seiners 02 support vessels	All
UNION EUROPEENNE	32 purse seiners 13 longliners > 100GT 20 longliners < 100GT	None

IV. Tuna fishing areas



Purse seine area
- Target species: yellowfin, bigeye, skipjack

Large longliners area
- Target species: yellowfin tuna, bigeye tuna, albacore, marlin, marlin, sailfish, swordfish

Small longliners area
- Target species: yellowfin tuna, bigeye tuna, albacore, marlin, marlin, sailfish, swordfish

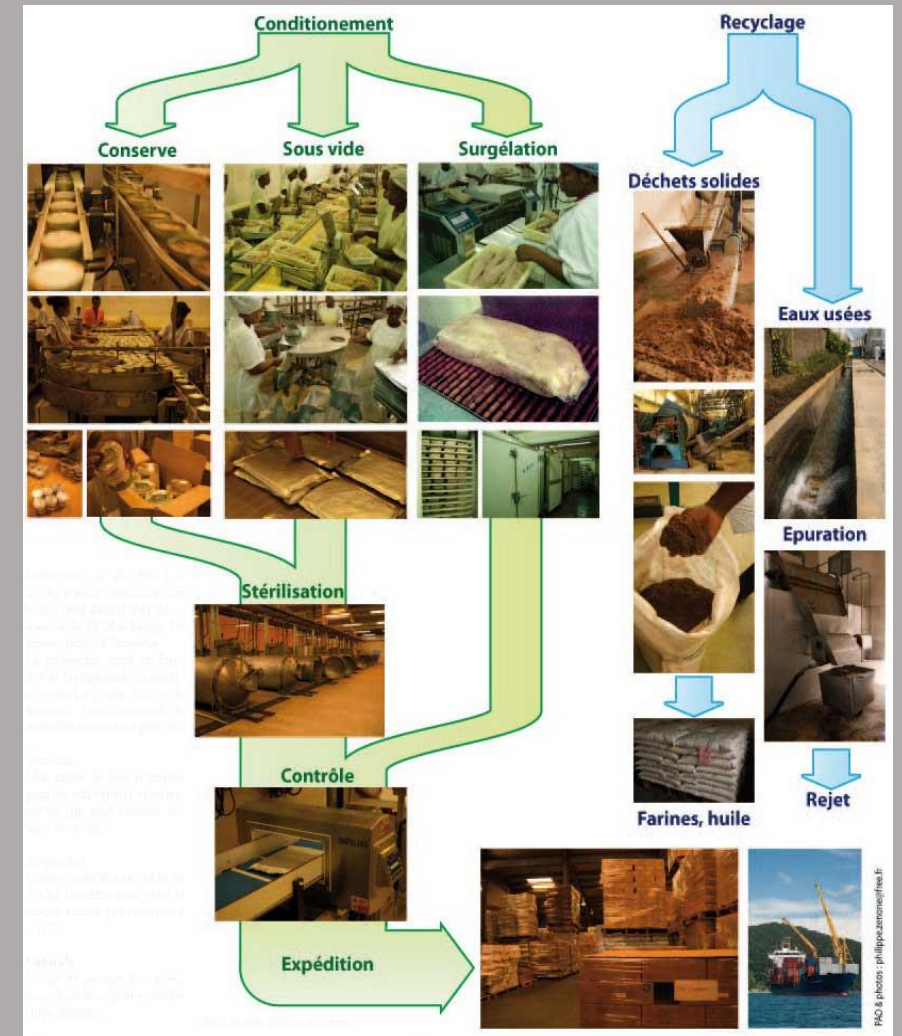
Large longliners area
- Target species: mainly sharks

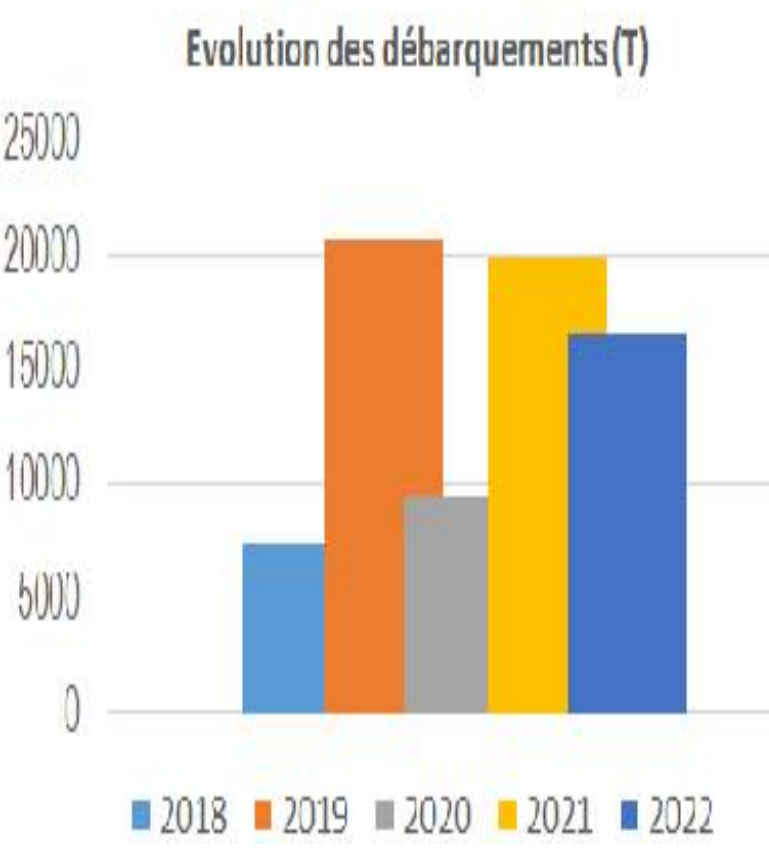
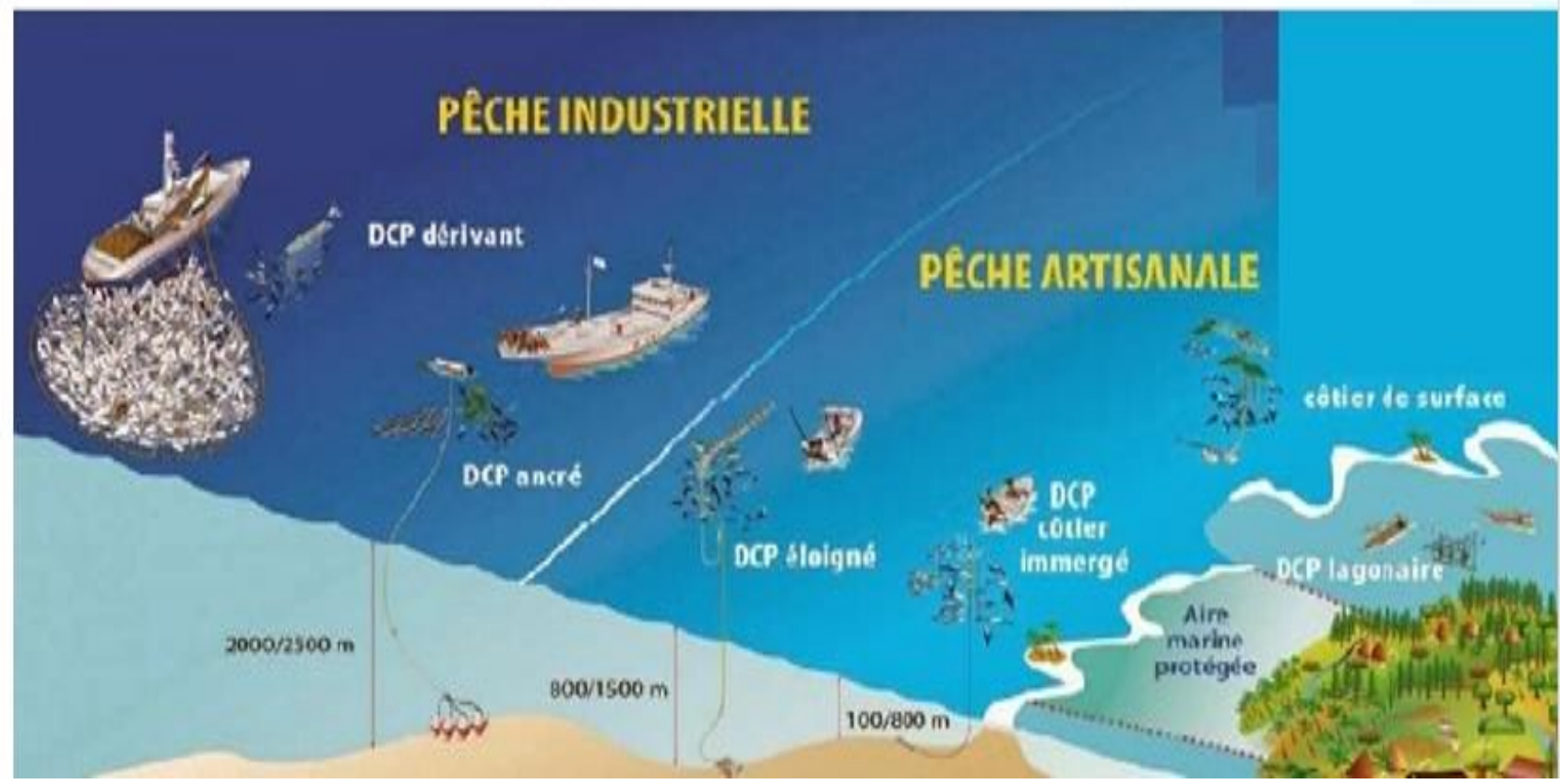
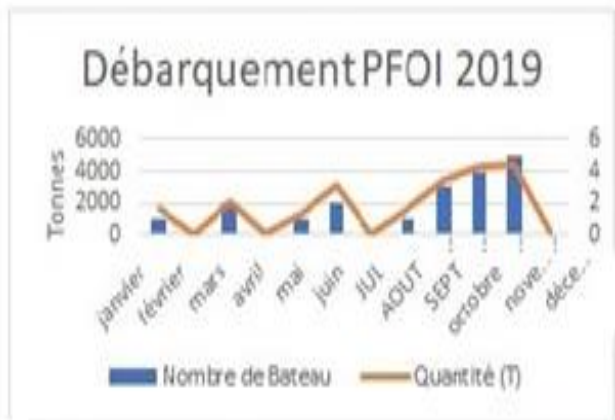
Foreign vessels < 100 GT: beyond 12 miles
Foreign vessels > 100 GT: beyond 20 miles

V. Tuna processing *in Madagascar*

Cannery: Pêche et froid de l'Océan Indien

- ❑ Located in the North of Madagascar
- ❑ Direct employment: 1,500
- ❑ Production: 20,000 T/year
- ❑ Storage capacity: 9,000 T
- ❑ Export valued at more than 22 million Euros/year

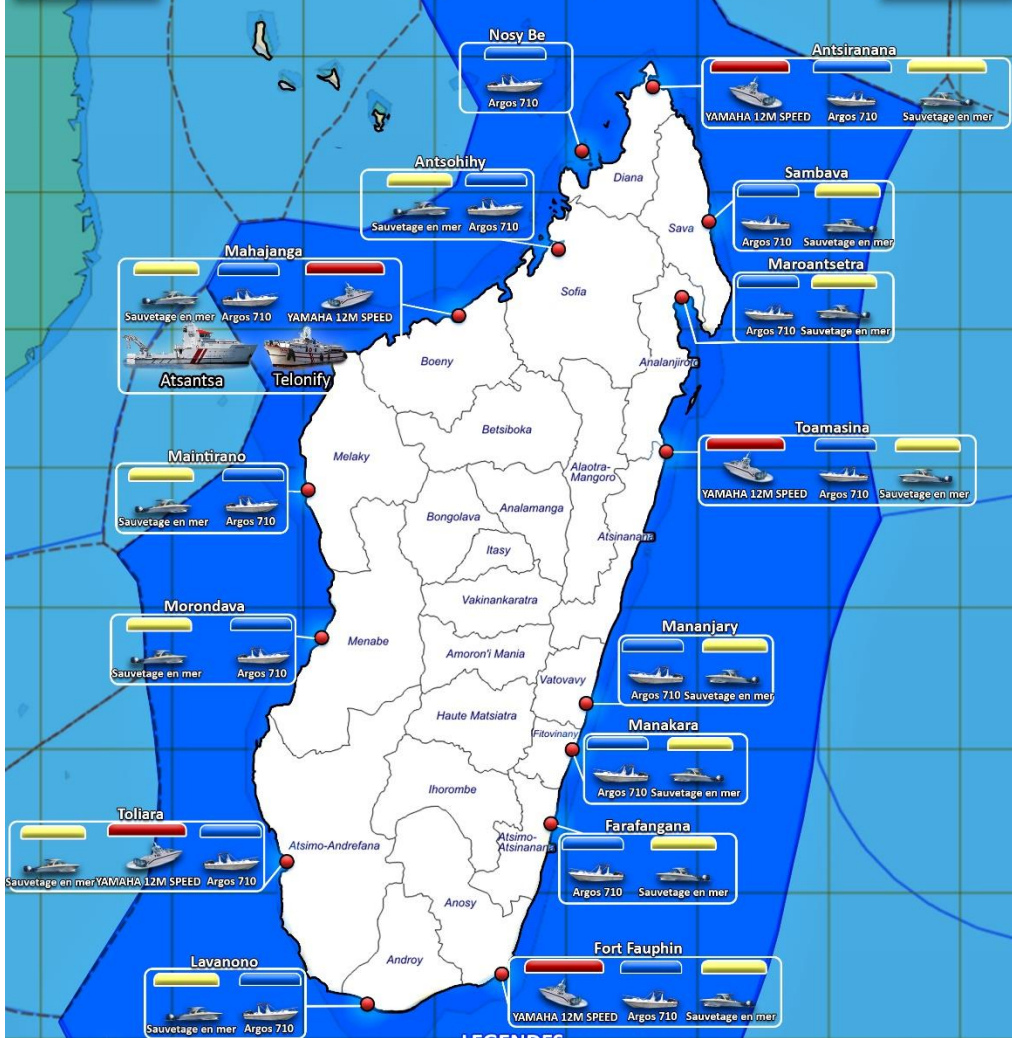




VI. Monitoring Control & Surveillance



ATSANTSA
 - Moteur 900 CV * 2
 - Vitesse max 14 Nds
 - Autonomie de 12 à 20 jours
 12 équipages et 9 passager



LEGENDES

- 7 vedettes en attente de livraison
- 7 vedettes en projet
- Vedettes livrées en 2024
- Vedettes en projet

<p>ATSANTSA - Moteur 900 CV * 2 - Vitesse max 14 Nds - Autonomie de 12 à 20 jours - 12 équipages et 9 passagers</p>	<p>TELONIFY - Moteur 350 CV * 1 - Vitesse max 8 Nds - Autonomie 10 à 15 jours - 7 équipages et 9 passagers</p>	<p>Argos 710 - Double moteur 80 CV * 2 - Vitesse max 20-25 Nds - Pas de réservoir fixe - 10 personnes</p>	<p>YAMAHA 12M SPEED - Triple moteur 300 CV * 3 - Vitesse max 45 Nds - Autonomie 200 NM à 35 Nds - 7 personnes</p>	<p>Sauvetage en mer - Double moteur - Vitesse max 25-30 Nds - Réservoir 200 litres - 8 personnes</p>
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VII. 2021 Madagascar fisheries reform & perspectives

- *Land base requirement*
- *Royalties with landing vs without landing (x3)*
- *Improved landing of products in our ports*
- *Strengthening Fisheries Monitoring, Control and Surveillance*

NB :

- **PSMA (2017)**
- **SADC MCS Charter (April 2022)**
- **Madagascar = FiTI Candidate (dec. 2022)**



Challenges

1. **Decline** in the **stock** of some species (yellowfin tuna and bigeye tuna)
2. **Sustainability** of tuna fisheries
3. **Viability** of the **PFOI cannery** (landing dependent on catches in the Mozambique Channel)
4. **Viability** of **SECREN** (Shipyard)
5. **Food security** in Madagascar
6. Improvement of revenue from **fishing fees** (taxes)
7. **Blue job** (access to migratory tuna...)



Perspectives

- Increase the **landing of products** in Madagascar
- Strengthen fisheries **monitoring, control and surveillance**
- Increase **BLUE JOB**:
 - ✓ Improving **access to migratory** tuna by SSF
 - ✓ Build **landing bases**
 - ✓ Put in place **processing units** (small scale fishing, industrial fishing)
 - ✓ Revitalize the shipyard “SECREN”
 - ✓ ...

□ OUR PARTNERS...



Mahavelo bevata

!

