

# Estado de los stocks de túnicos tropicales y asesoramiento científico para su gestión y conservación

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Josu Santiago - AZTI

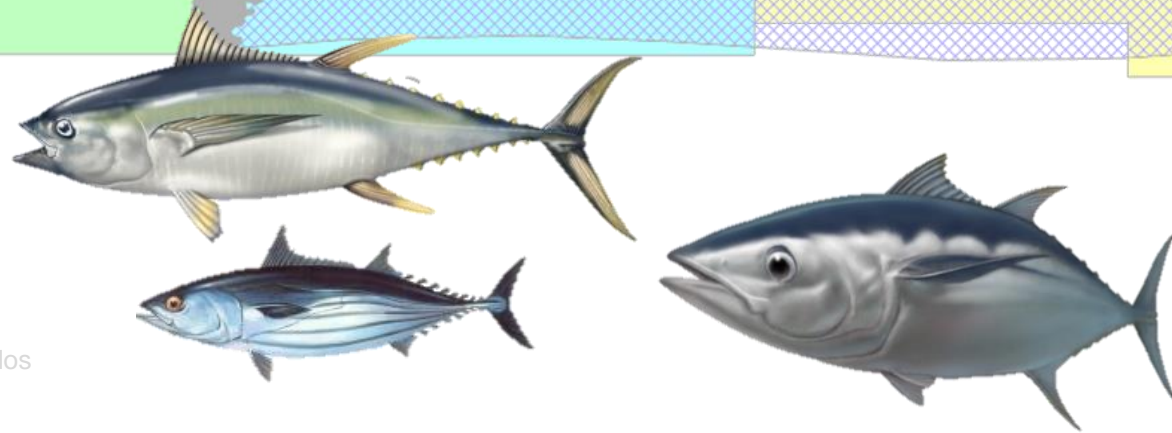
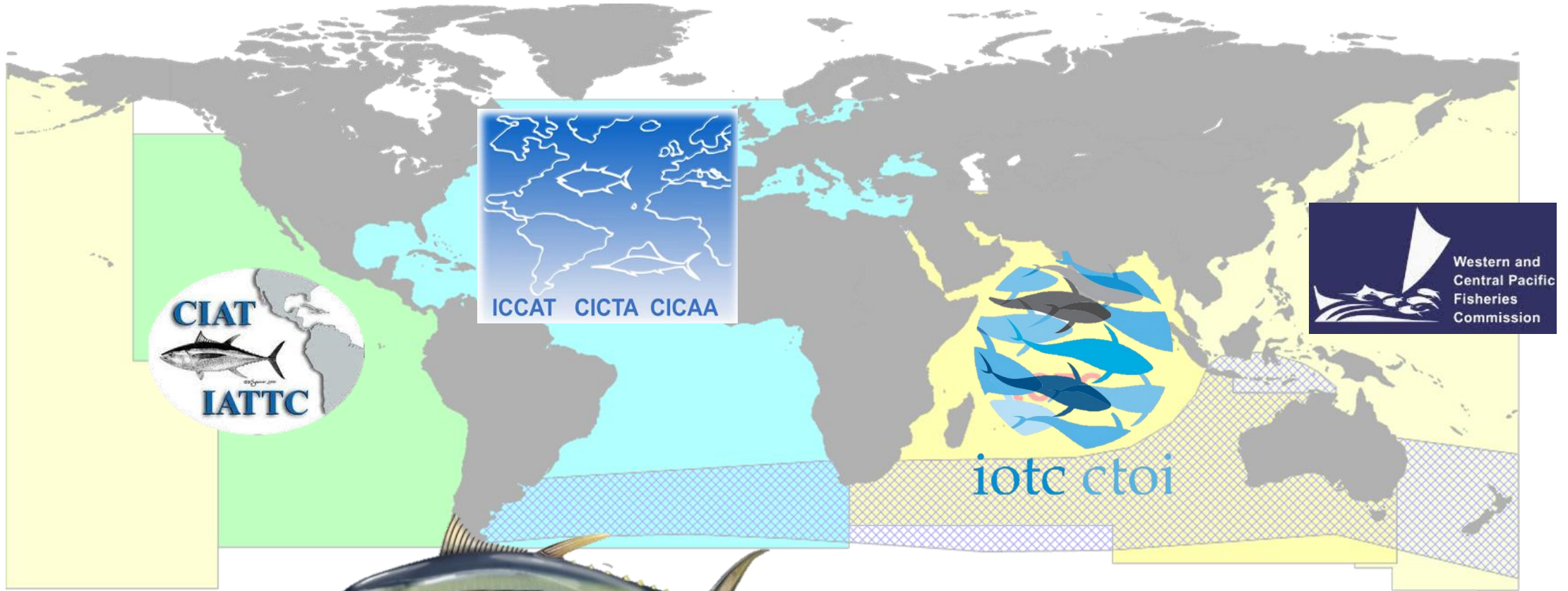
SESIÓN 2: JORNADA ATUNEROS  
CONGELADORES

eurofishing

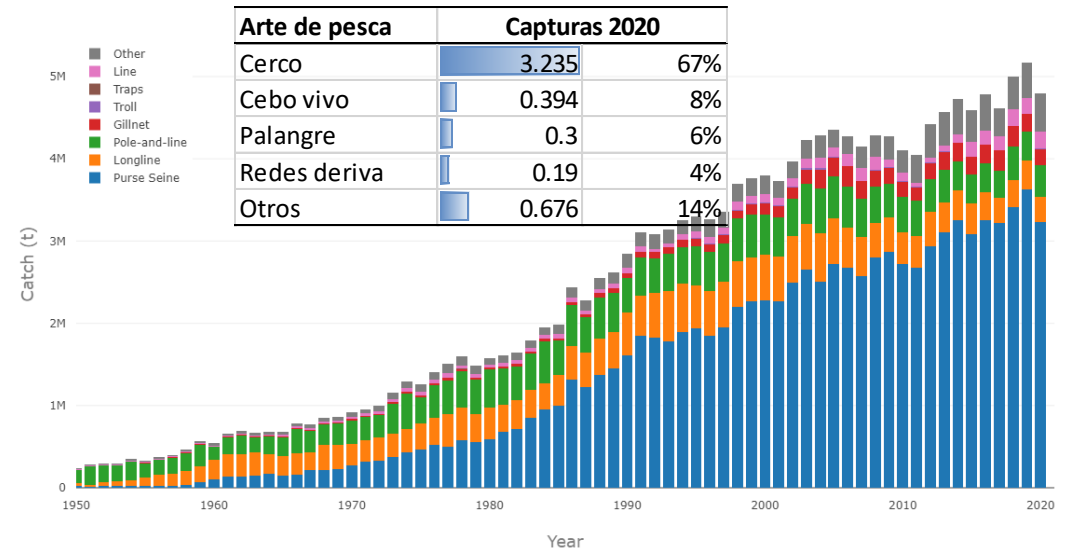
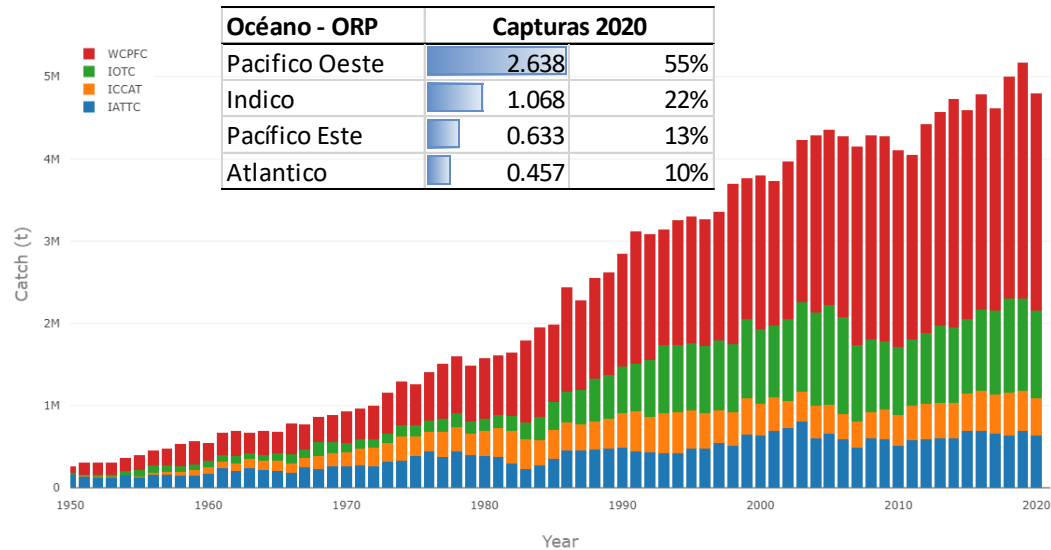
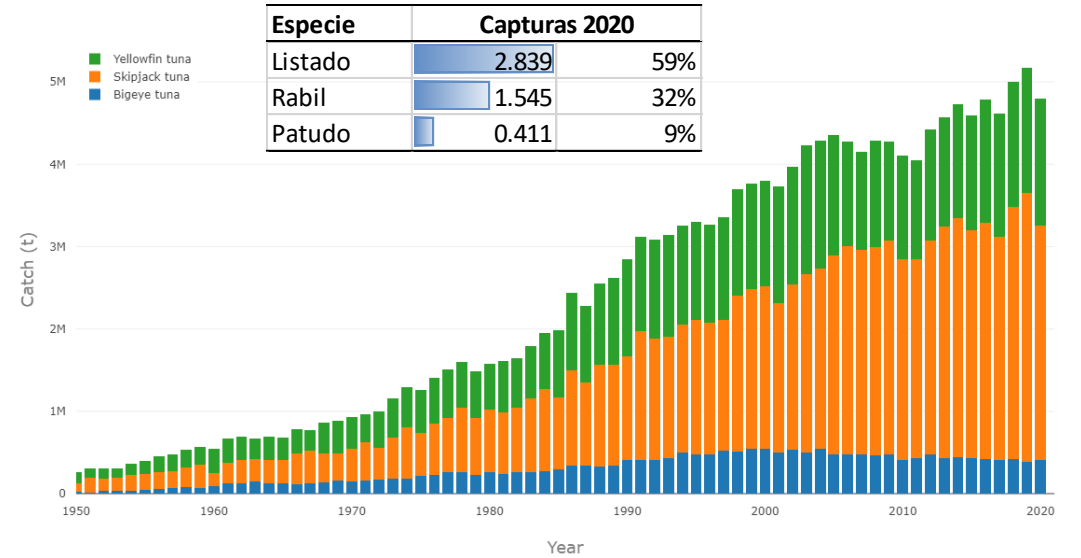
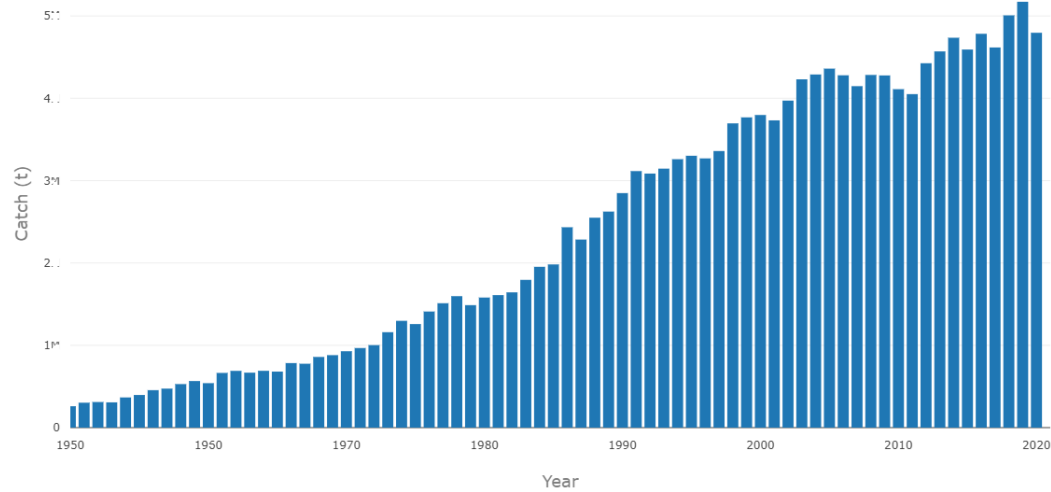
**WWW**  
WORLD  
MARITIME  
WEEK

21-23  
MARZO  
2023

# 5 ORPs atuneras



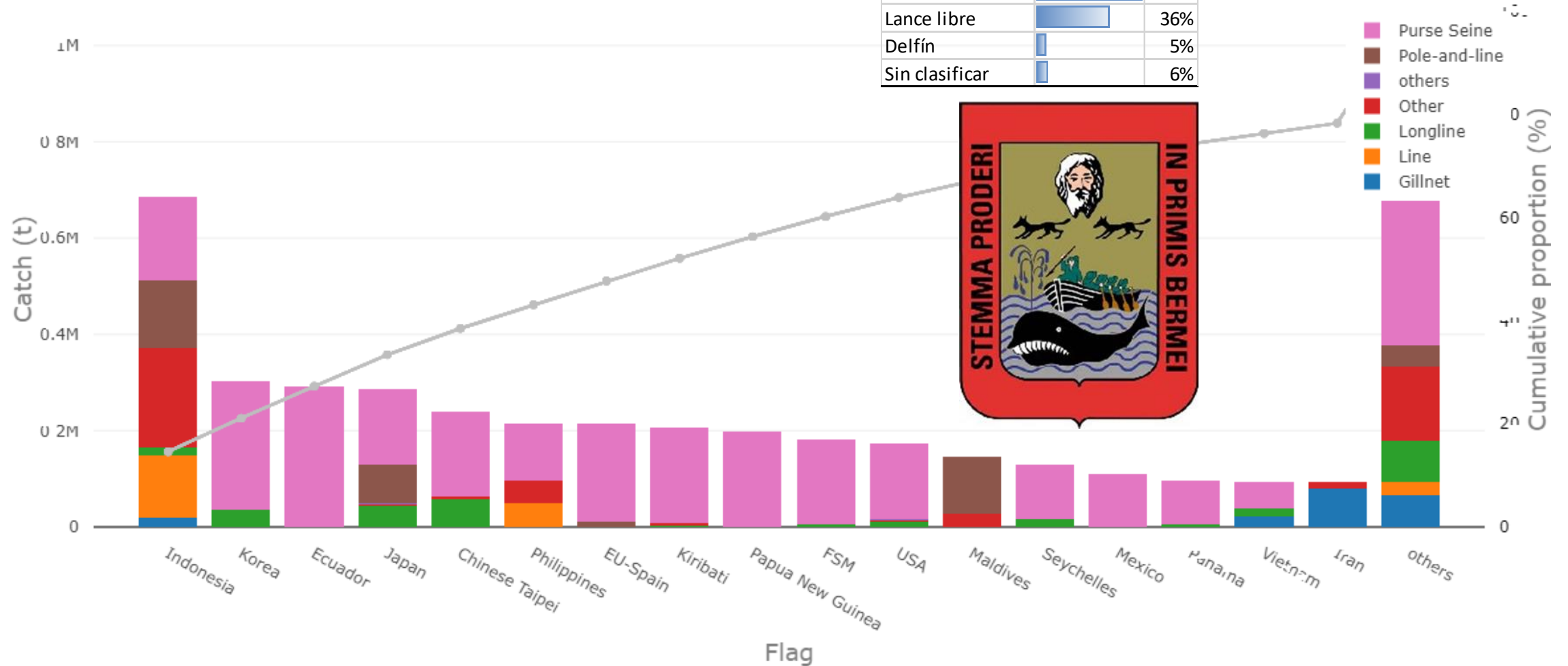
# Túnicos tropicales - Capturas



# Túnicos tropicales - Capturas

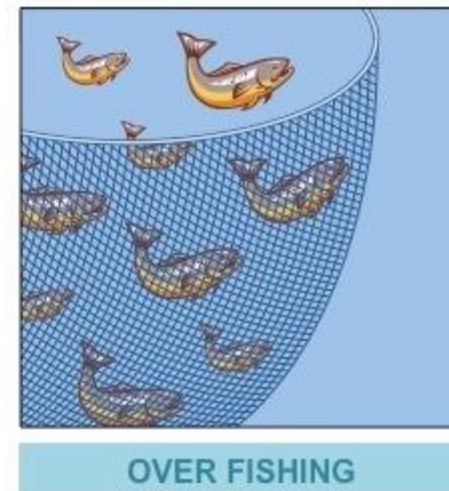
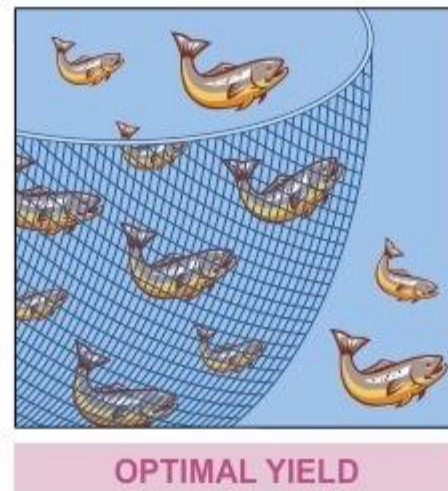
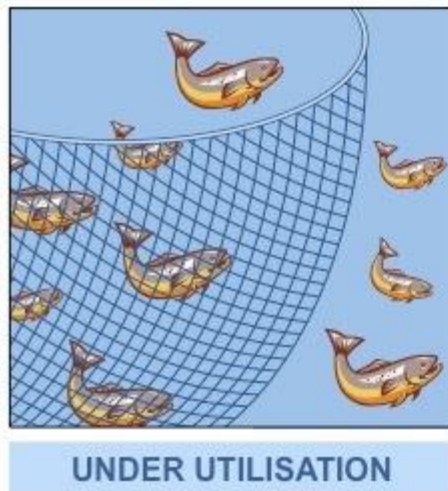
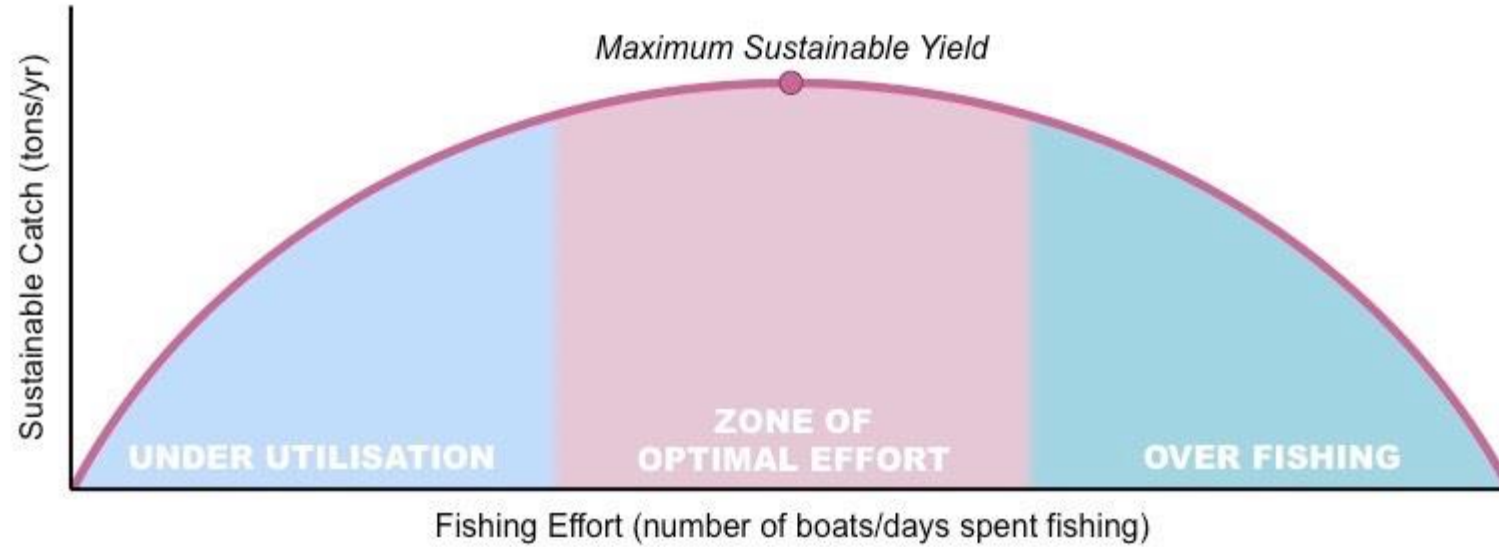
CERCO: 67% de las capturas mundiales

Tipo de Lance	Capturas 2020
FAD	53%
Lance libre	36%
Delfin	5%
Sin clasificar	6%

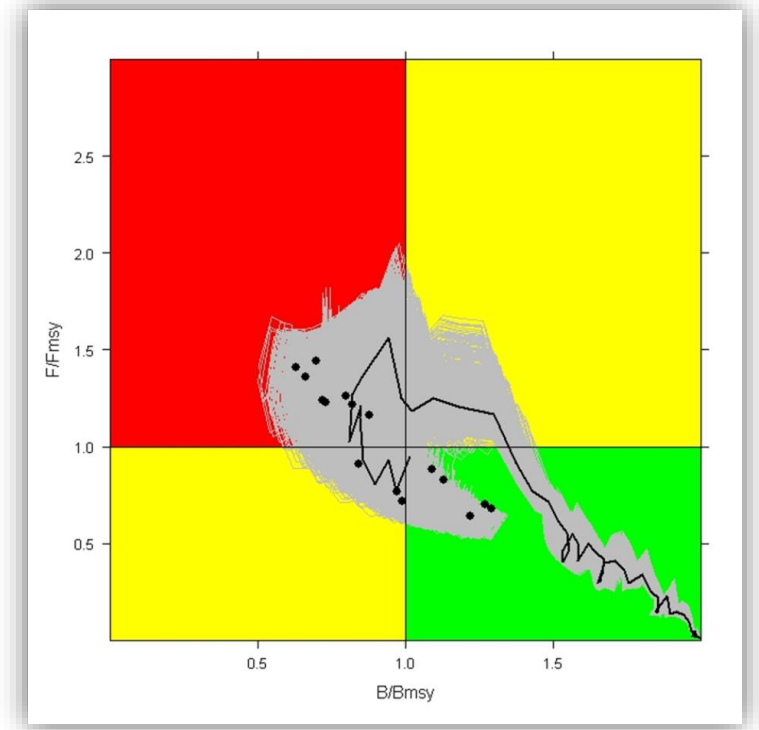
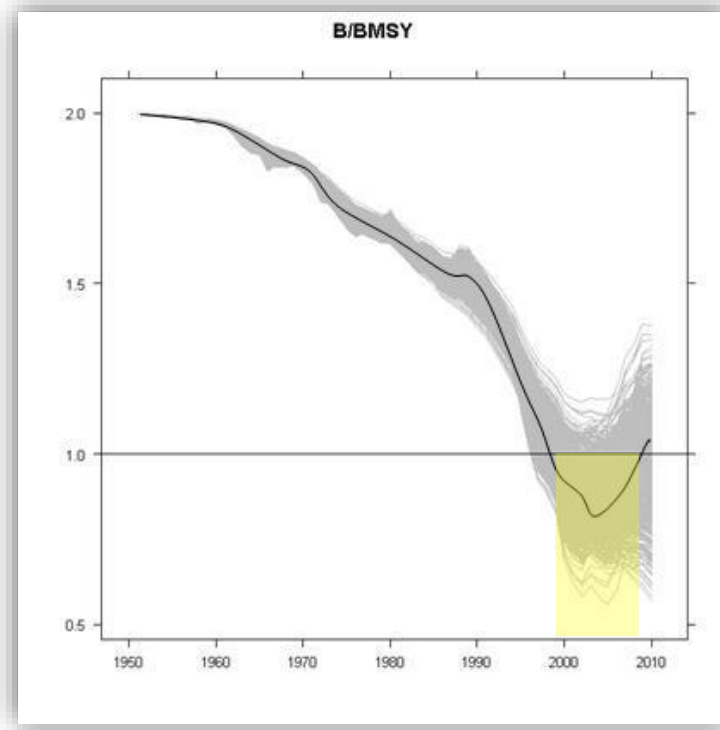
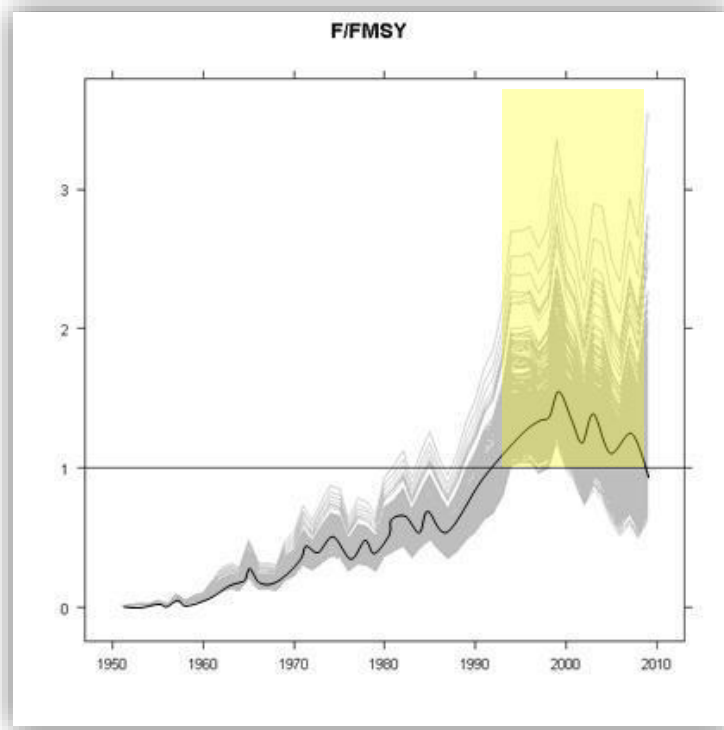




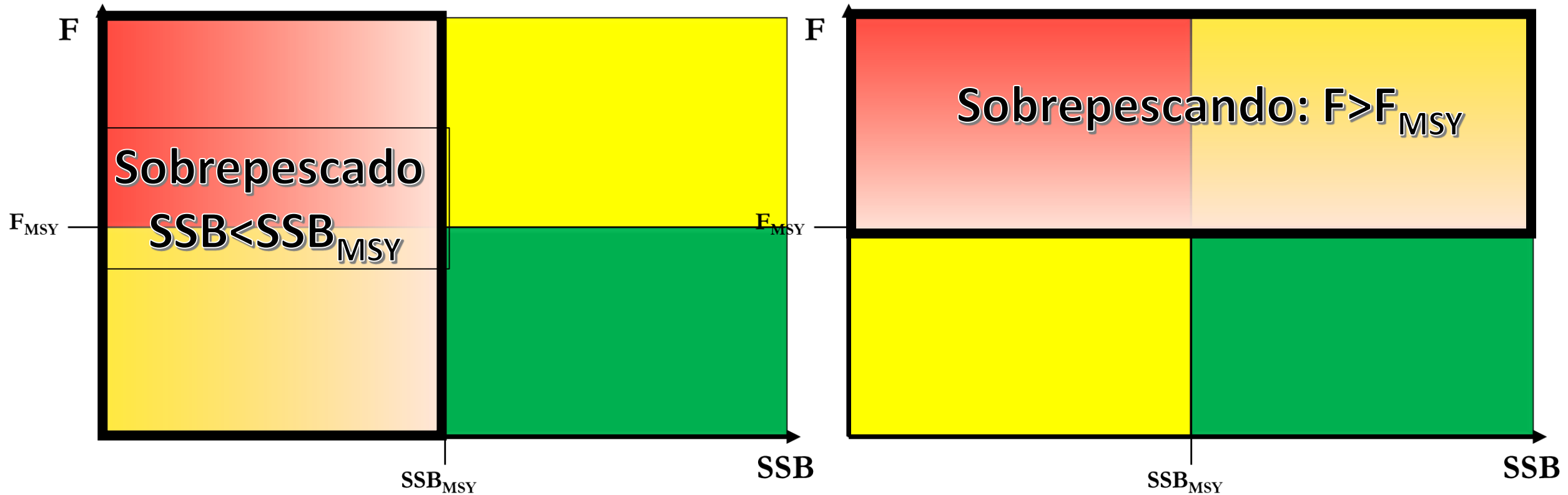
# Estado de los stocks - El diagrama de Kobe



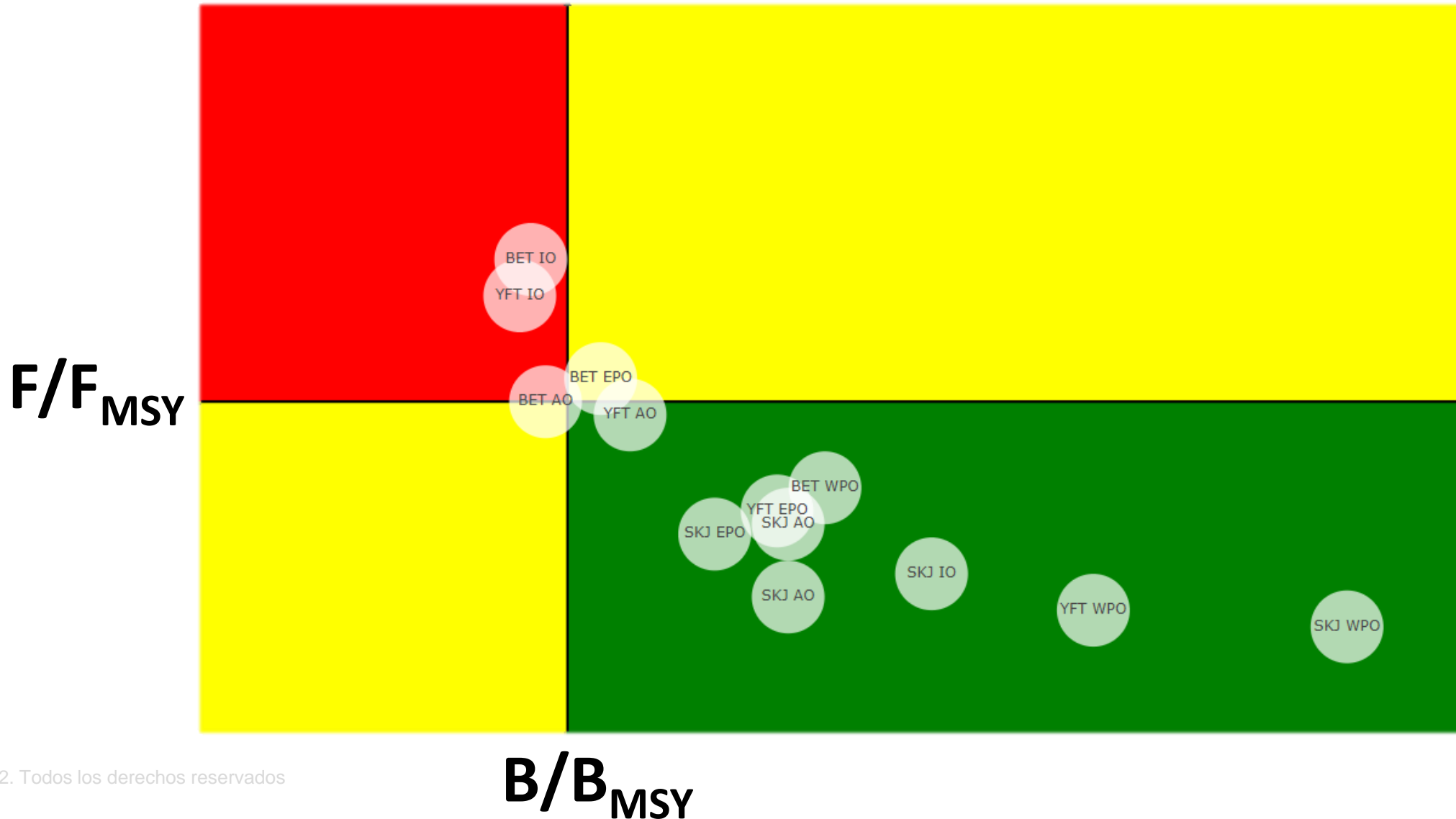
# Estado de los stocks - El diagrama de Kobe



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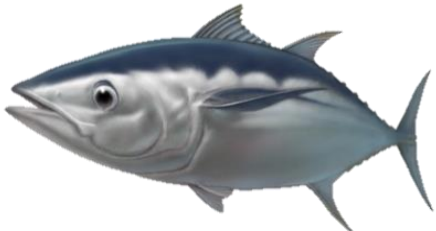


# Estado de los stocks - El diagrama de Kobe

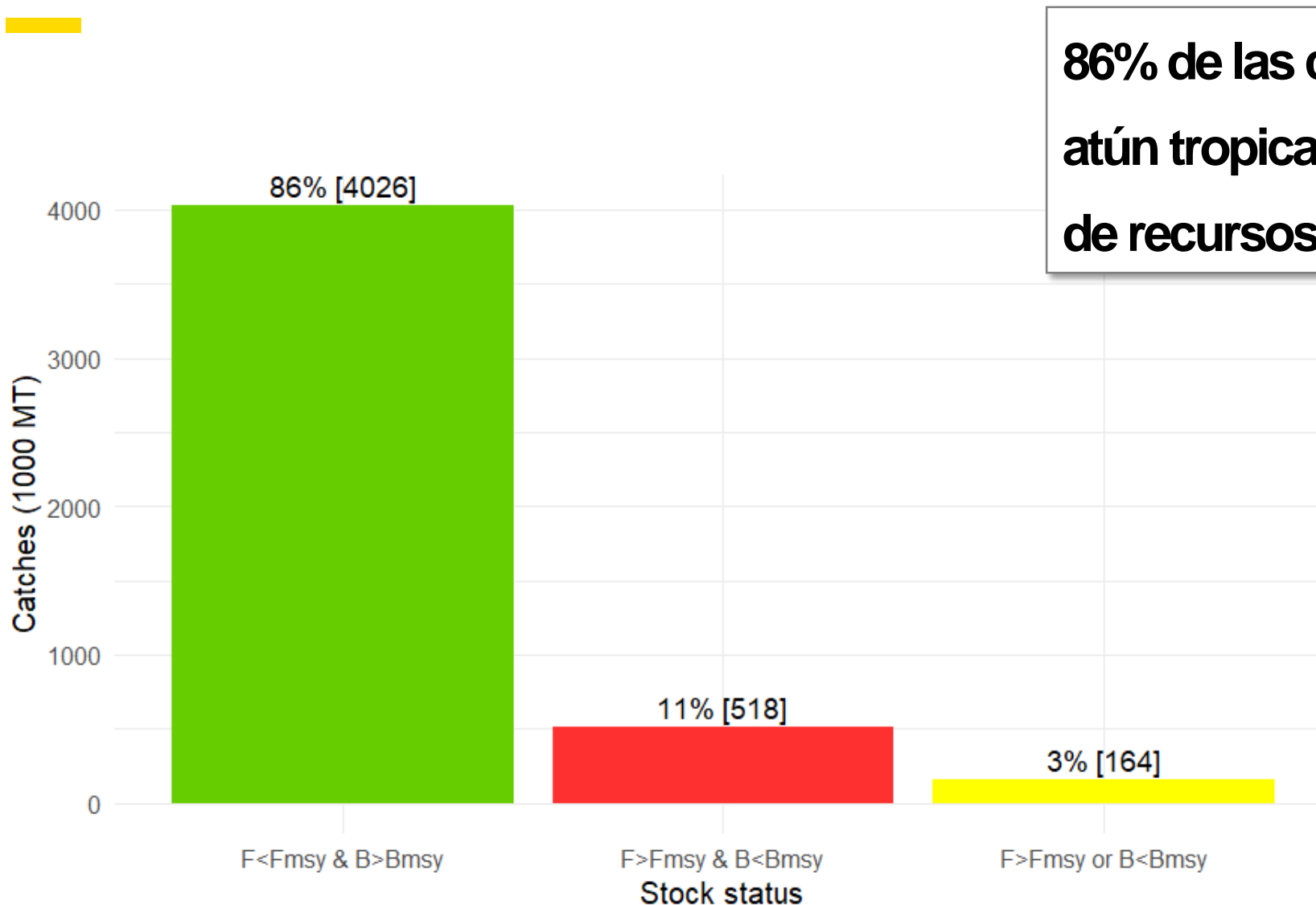




# Túnicos tropicales - Estado de los stocks

	ATLANTICO	INDICO	PACIFICO-W	PACIFICO-E
	● ●	●	●	●
	●	●	●	●
	●	●	●	●

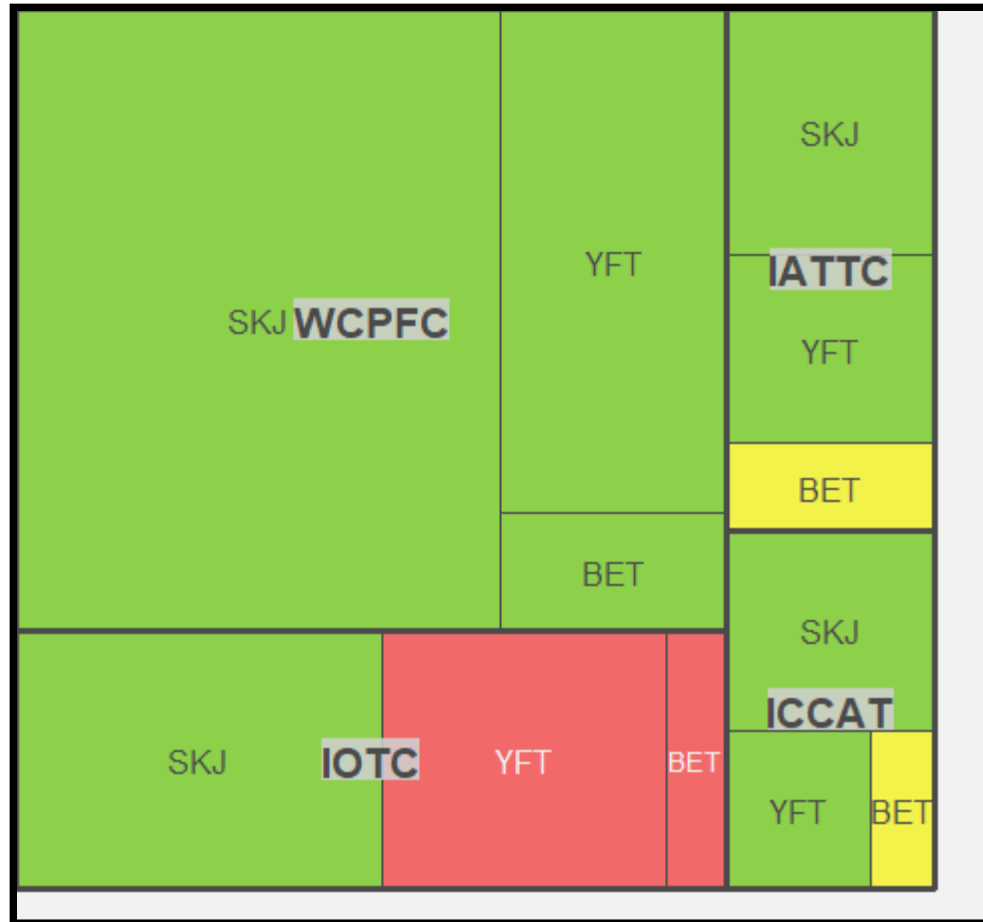
# Túnicos tropicales - Estado de los stocks



**86% de las capturas de atún tropical provienen de recursos saludables**

# Túnicos tropicales - Estado de los stocks

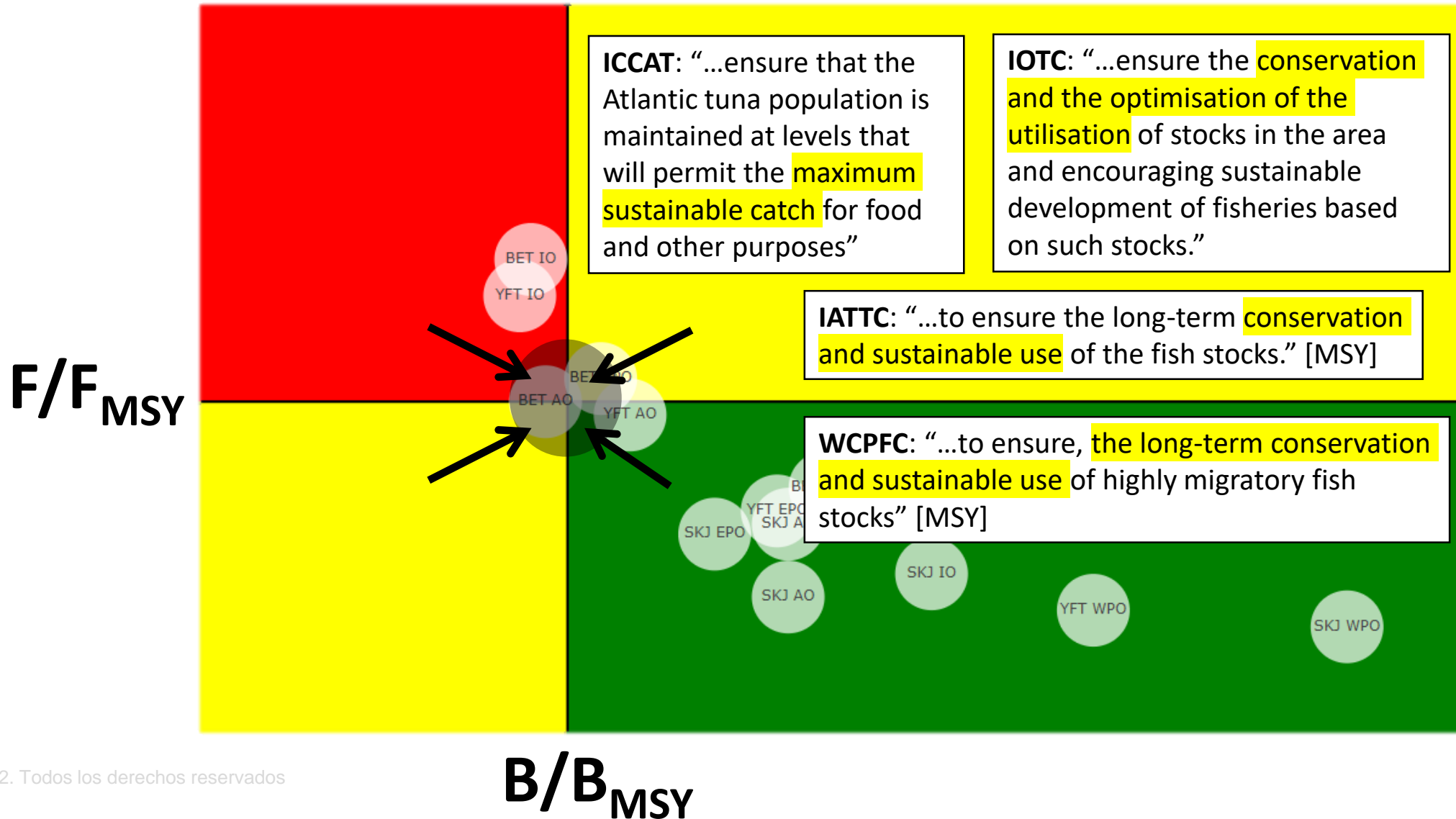
Catches in 2020 = 4.71 million tonnes



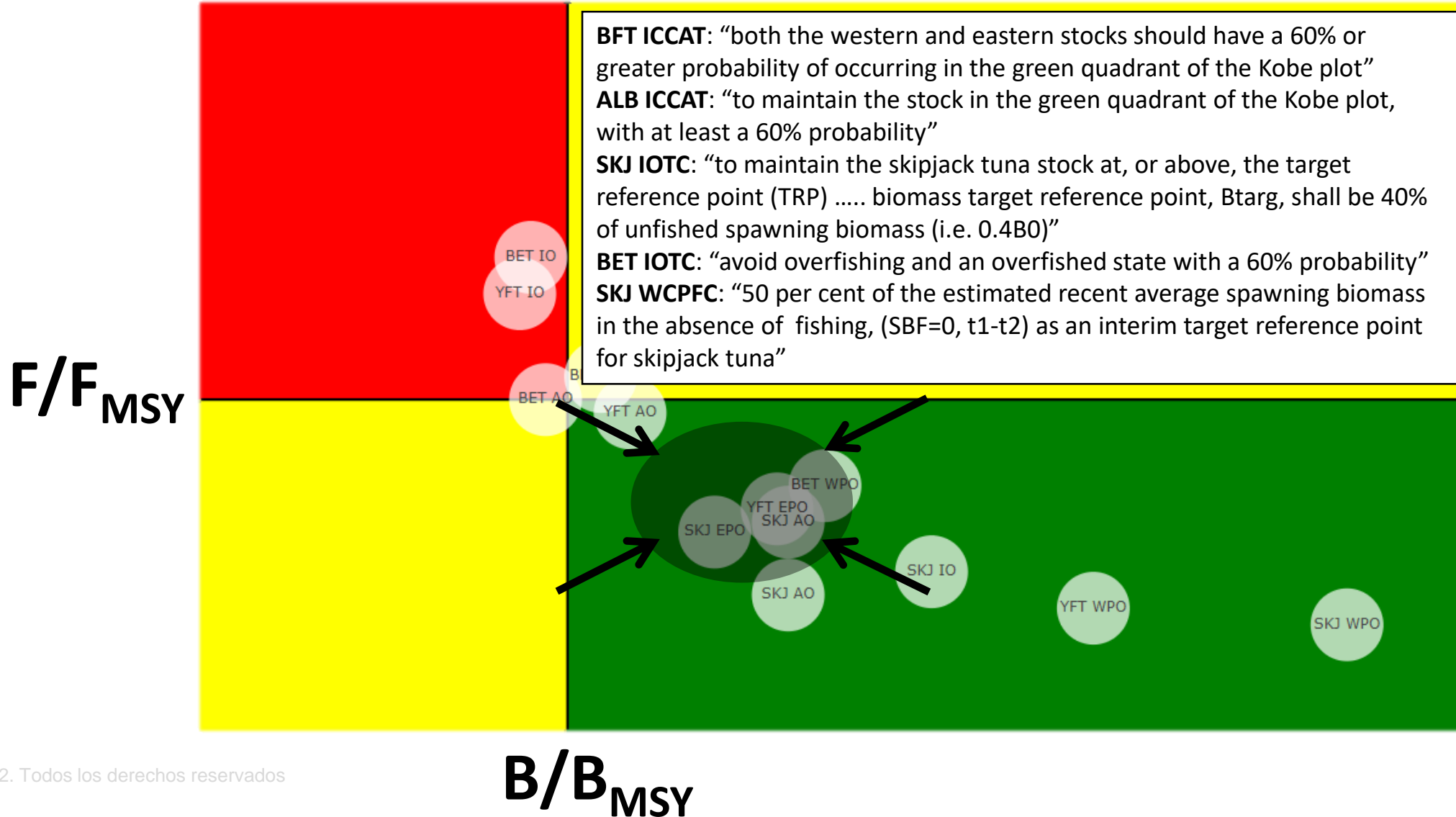
**86% de las capturas de atún tropical provienen de recursos saludables**

MSY as estimated in 2021 = 6.49 million tonnes

# Túnicos tropicales - Estado de los stocks



# Túnicos tropicales - Estado de los stocks





# Túnicos tropicales - Gestión



Noviembre 2009

## How a Fabled Fish Could Complete a Remarkable Comeback

ARTICLE | November 1, 2022 | By: Rachel Hopkins | Read time: 3 min  
Projects: Improving Management of International Fisheries

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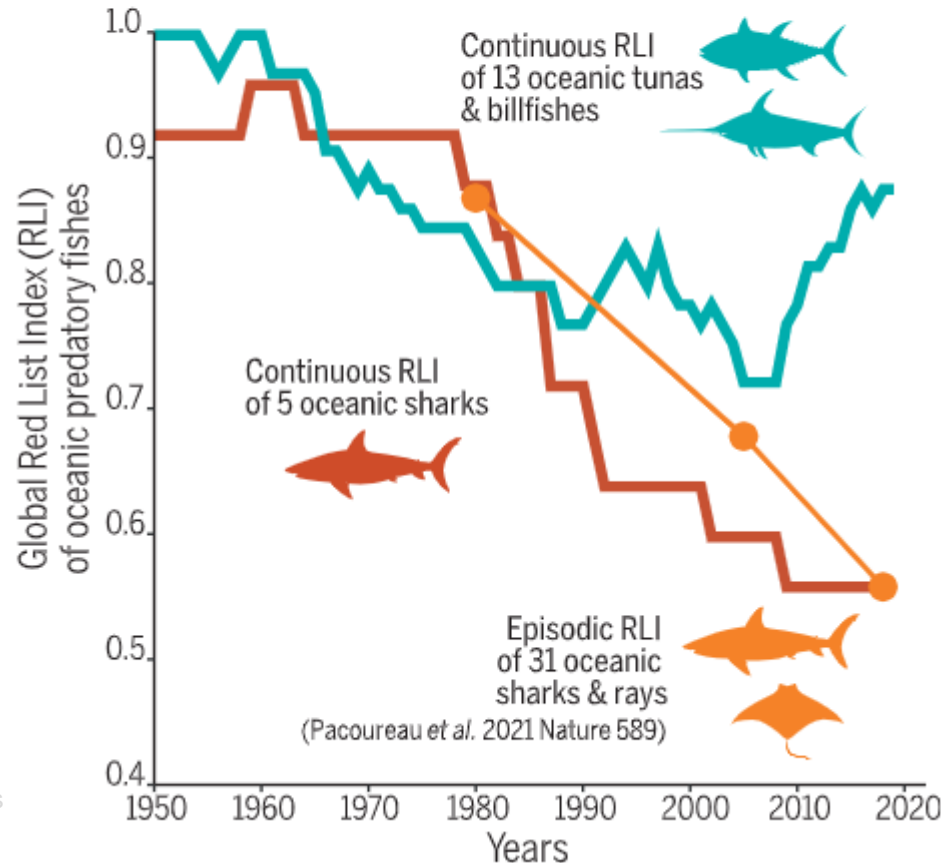


**FISHERIES**

## Seventy years of tunas, billfishes, and sharks as sentinels of global ocean health

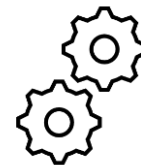
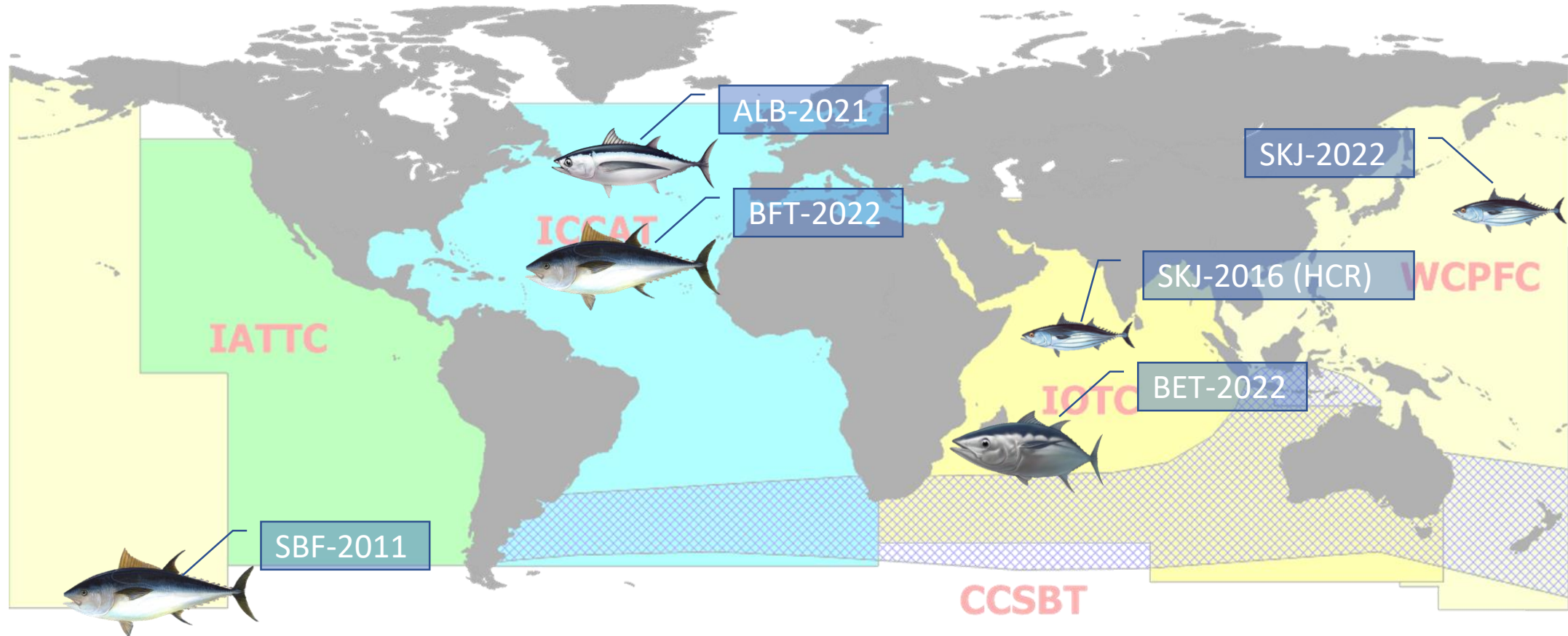
Maria José Juan-Jordá<sup>1\*</sup>, Hilario Murua<sup>2</sup>, Haritz Arrizabalaga<sup>1</sup>, Gorka Merino<sup>1</sup>, Nathan Pacoureau<sup>3</sup>, Nicholas K. Dulvy<sup>3</sup>

**B** Trajectory of the extinction risk in oceanic predatory fishes since 1950 for tracking progress towards global sustainability and biodiversity targets



*“...effective management for highly valuable commercial species of tunas and billfishes has reversed the biodiversity loss curve.”*

# Túnidos tropicales - Gestión



**Procedimientos de ordenación (MPs)**





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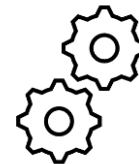
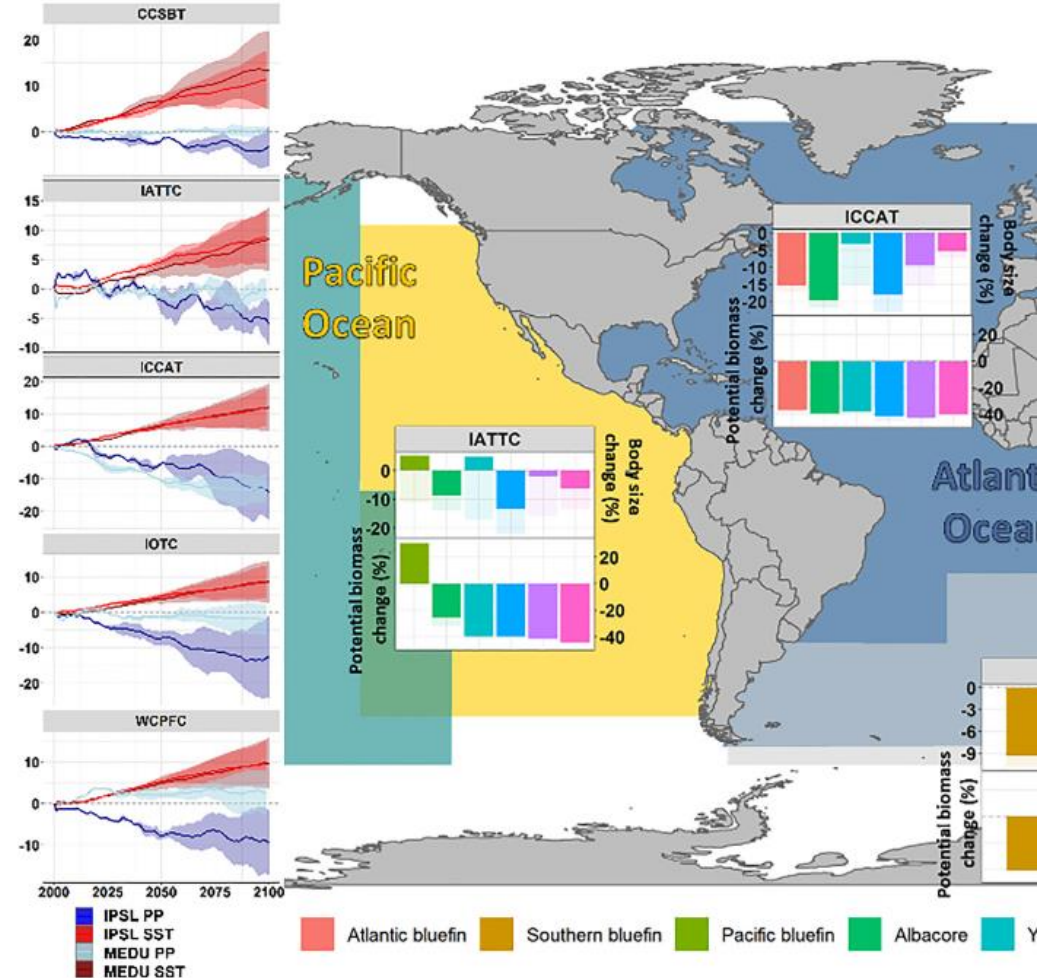
Implications for the global tuna fishing industry of climate change-driven alterations in productivity and body sizes

Maite Erauskin-Extramiana<sup>a,\*</sup>, Guillem Chust<sup>a</sup>, Haritz Arrizabalaga<sup>a</sup>, William W.L. Cheung<sup>b</sup>, Josu Santiago<sup>a</sup>, Gorka Merino<sup>a</sup>, Jose A. Fernandes-Salvador<sup>a</sup>

<sup>a</sup> AZTI, Marine Research, Basque Research and Technology Alliance (BRTA), Herrera Kaia, Portualdea z/g, 20110 Pasaia, Gipuzkoa, Spain

<sup>b</sup> Institute for the Oceans and Fisheries, The University of British Columbia, Vancouver, BC V6 T 1Z4, Canada

*“Climate change studies and projections estimate that overall, global fisheries productivity will decrease due to climate change.”*



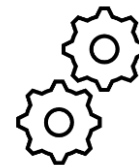
**Cambio climático**

UN delegates reach historic agreement on protecting marine biodiversity in international waters



‘High Seas Treaty’:  
“...a massive success for **multilateralism**”

*2. This Agreement shall be interpreted and applied in a manner that does not undermine relevant legal instruments and frameworks and relevant global, regional, subregional and sectoral bodies and that promotes coherence and coordination with those instruments, frameworks and bodies.*



**Governanza internacional**





MEMBER OF  
BASQUE RESEARCH  
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