



MINISTERIO
DE AGRICULTURA, PESCA
Y ALIMENTACIÓN



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



CSIC

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



Resumen del consejo científico de ICES para los recursos pesqueros de interés para la flota española en el Caladero Noroeste y el Golfo de Cádiz

Stocks demersales 8c9a

Programa de Pesca ICES

Área de Pesca

Instituto Español de Oceanografía - CSIC

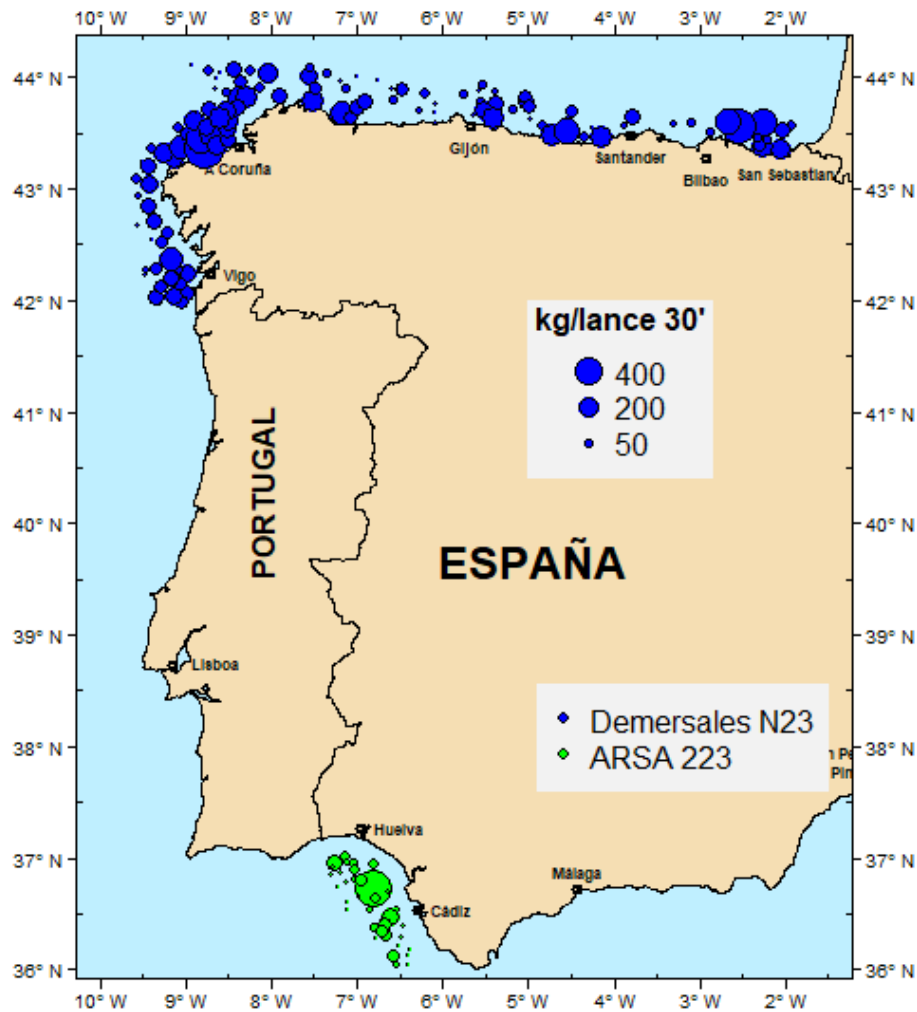
Videoconferencia
14 octubre 2024

Esther Abad, Santiago Cerviño, Marta Cousido,
Isabel G. Herraiz, Grazia Pennino, Paz Sampetro,
Yolanda Vila, Fran Velasco y Héctor Villa



hke 8c9a

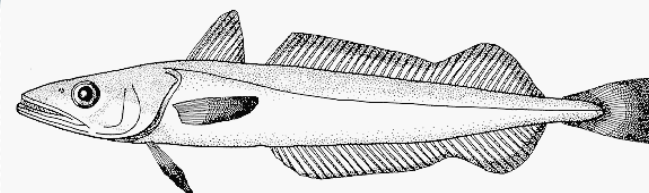
Merluccius merluccius



Merluza stock sur

Consejo para 2025

(*Merluccius merluccius*)





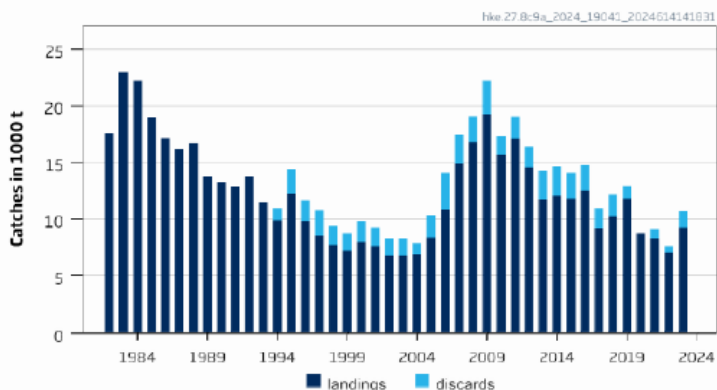
hke 8c9a

- Modelo aprobado en 2022 (**Categoría 1**)
- Mayor complejidad en la estructura (sexos separados, flotas separadas, etc)
- Se superan problemas que llevaron a rechazar el modelo anterior (2021)
- Sin embargo continua siendo un modelo con problemas de estabilidad (gran sensibilidad a pequeños cambios)

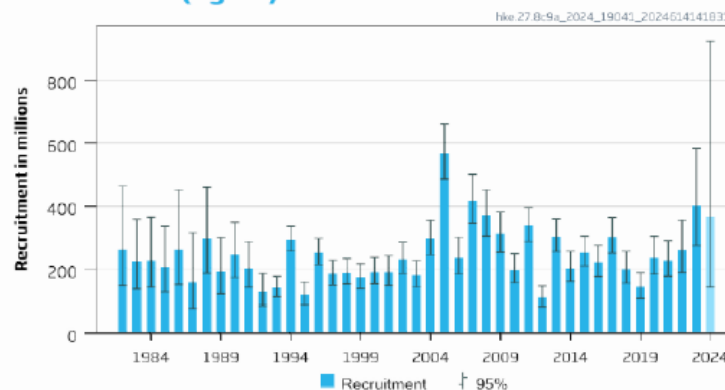


hke 8c9a

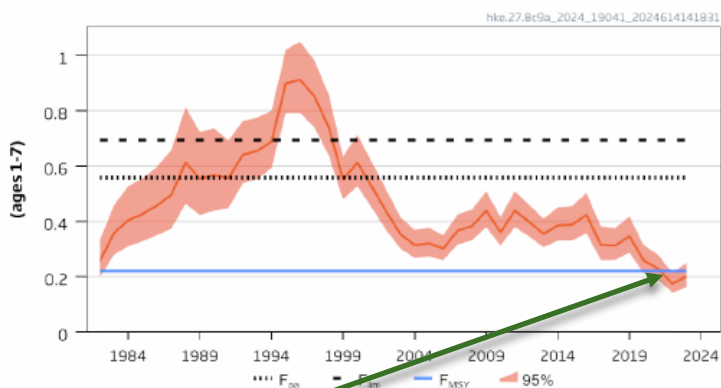
Catches



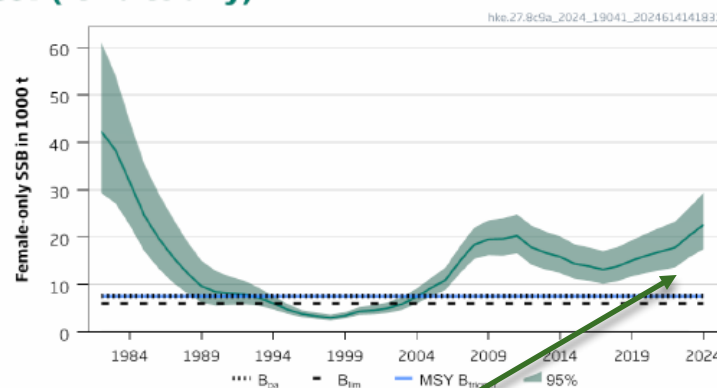
Recruitment (age 0)



F



SSB (females only)



- Presión pesquera ligeramente por debajo F_{MRS}
- Biomasa reproductora en estado saludable $> MSY B_{trigger}, B_{pa}$

hke 8c9a

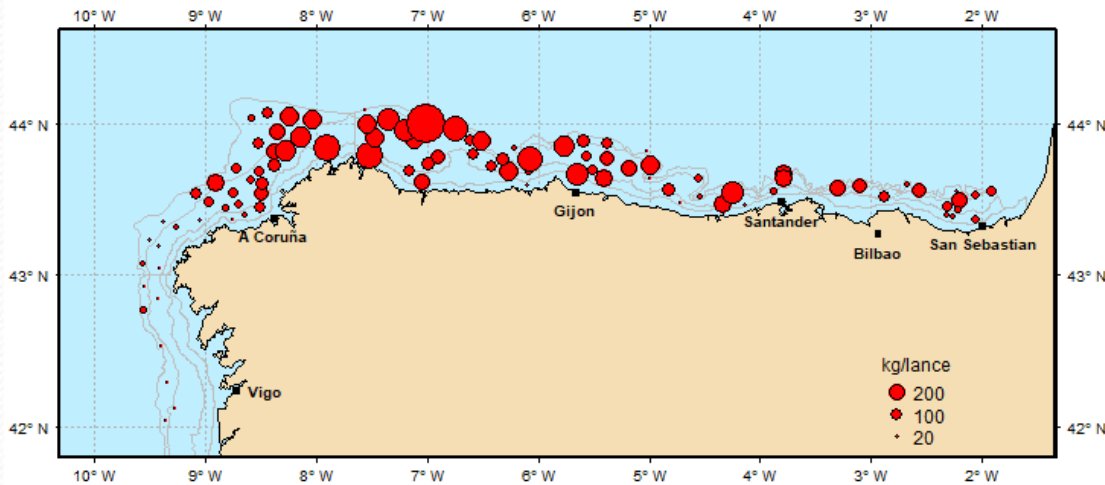
Basis	Total catch (2025)	Projected landings (2025)	Projected discards (2025)	F _{ages 1-7} total (2025)	F _{ages 1-7} projected landings (2025)	F _{ages 1-7} projected discards (2025)	SSB (2026)	% SSB change*	% TAC change [^]	% advice change ^{^^}
ICES advice basis										
EU MAP F = F _{MSY} ^{^^^}	15105	14017	1088	0.221	0.20	0.0160	31680	17.6	-13.4	16.9
EU MAP F = F _{MSY} lower	10659	9904	755	0.151	0.140	0.0110	34126	27	-39	16.9
EU MAP F = F _{MSY} upper	20404	18903	1501	0.311	0.29	0.023	28798	6.9	17.0	17.0
Other scenarios										
F = 0	0	0	0	0	0	0	40084	49	-100	-100
F = F _{lim}	38558	35473	3085	0.694	0.64	0.056	19249	-29	121	198
F = F _{pa}	32839	30286	2553	0.558	0.52	0.043	22197	-17.6	88	154
SSB (2026) = B _{lim}	66526	60037	6489	1.83	1.65	0.178	6011	-78	281	415
SSB (2026) = B _{pa}	62947	57014	5933	1.60	1.45	0.151	7556	-72	261	387
SSB (2026) = MSY B _{trigger}	62947	57014	5933	1.60	1.45	0.151	7556	-72	261	387
SSB (2026) = SSB (2025)	23858	22077	1781	0.37	0.35	0.028	26940	0	37	85
F = F ₂₀₂₄	13903	12906	997	0.20	0.188	0.0140	32338	20	-20	7.6
Catch advice (2025) = TAC ₂₀₂₄	17445	16177	1268	0.26	0.24	0.0190	30402	12.9	0	35

ICES recomienda que, al aplicar el Plan Multianual, las capturas correspondientes al RMS sean **15 105 t** con un rango entre 10 659 t y 20 404 t

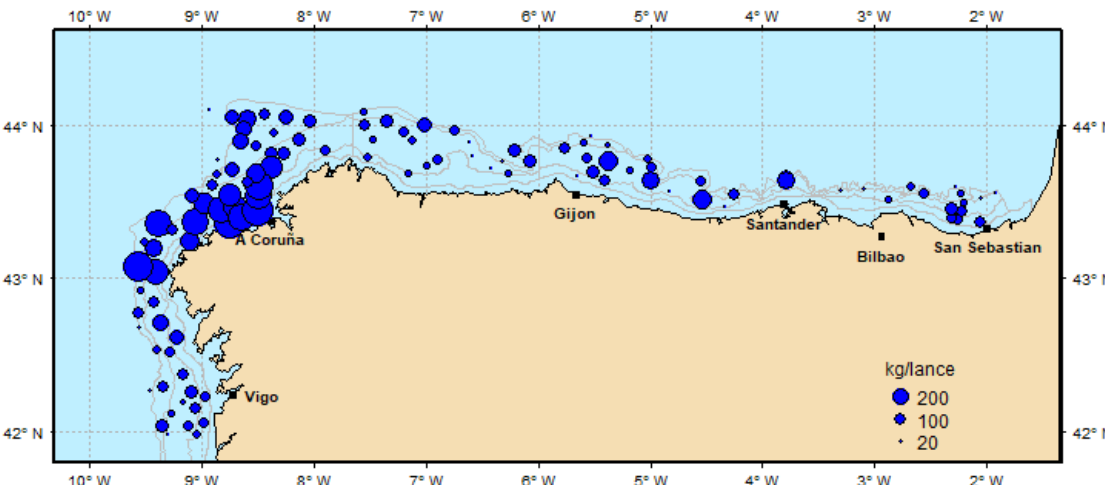
Las capturas correspondientes al RMS aumentan un 16.9 %  respecto al consejo establecido para 2024



Lepidorhombus whiffiagonis



Lepidorhombus boscii



Gallos (*Lepidorhombus* spp)

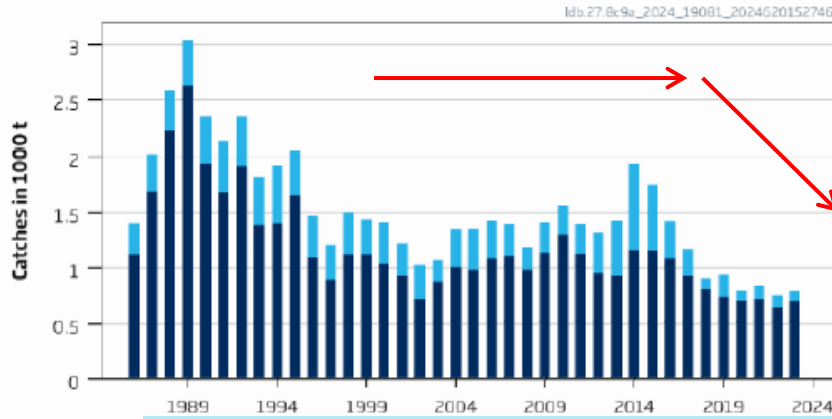
Consejo 2024 para 2025
whiffiagonis *boscii*



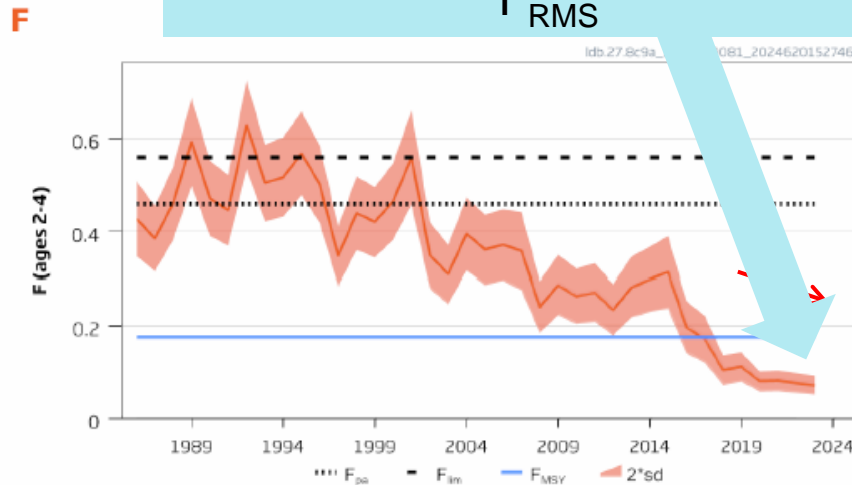


Idb 8c9a

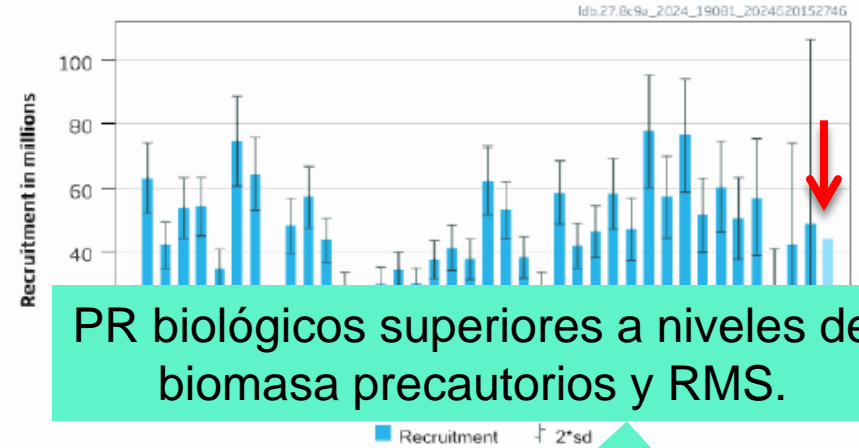
Catches



PR pesqueros por debajo del F_{RMS}

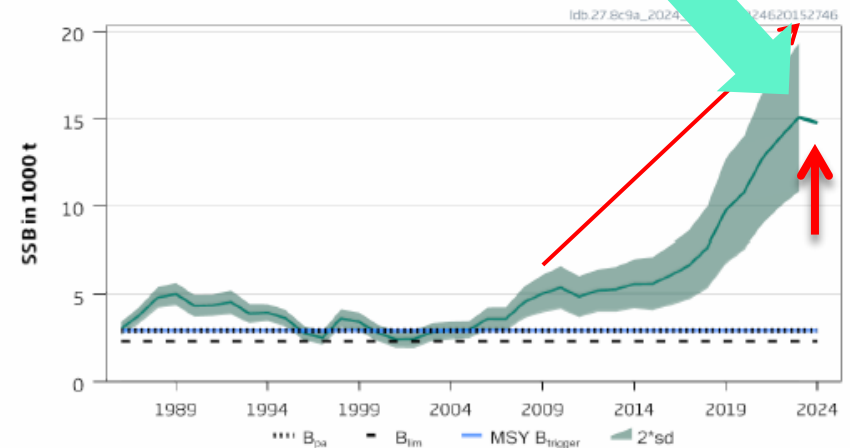


Recruitment (age 0)



PR biológicos superiores a niveles de biomasa precautorios y RMS.

SSB





Idb 8c9a



Estado y EVOLUCION DEL STOCK

cambio modelo 2022

Capturas están estables y la SSB sube muy por encima de MSY
Actualmente el stock se encuentra en buena situación

ICES stock data category	1 (ICES, 2023a)
Assessment type	Age-based assessment (a4a; ICES, 2024) that uses catches in the model and in the forecast.
Input data	Commercial catches (international catches, ages, and length frequencies from catch sampling); two survey indices, the Spanish North Coast Bottom Trawl Survey (SP-NSGFS-Q4 [G2784]) from 1988 to 2023 but excluding 2003 and 2013 and the Portuguese Crustacean Survey (NepS (FU 2829)[G2913]) from 1997 to 2018; constant maturity ogive; assumed natural mortality of 0.2 (ICES, 2023b)
Discards and bycatch	Discards are included in the assessment for all data series from the majority of the fleet.
Indicators	None
Other information	Last benchmarked in 2022 (ICES, 2023b)
Working group	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion (WGBIE)



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RECOMENDACIÓN DE ICES

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock no debe superar las:

2727 t

(1903 - 4098 t MAP)

En 2025  16 % 2024

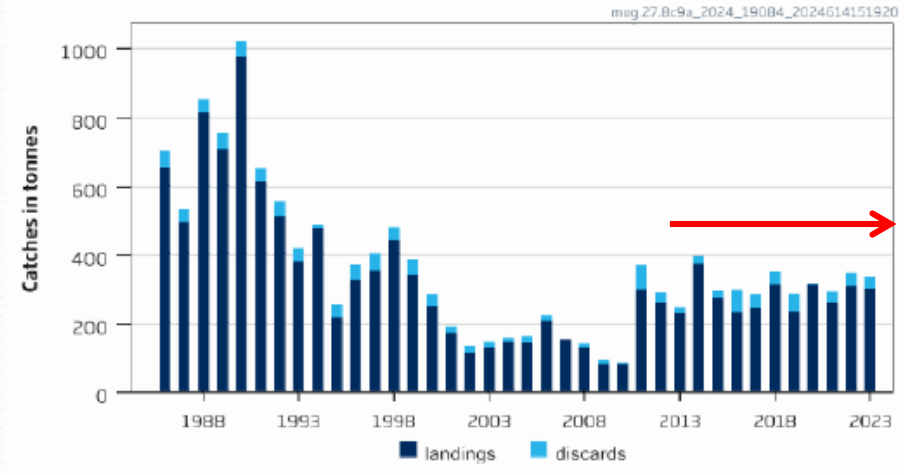
Consejo ICES 2024

2351 t

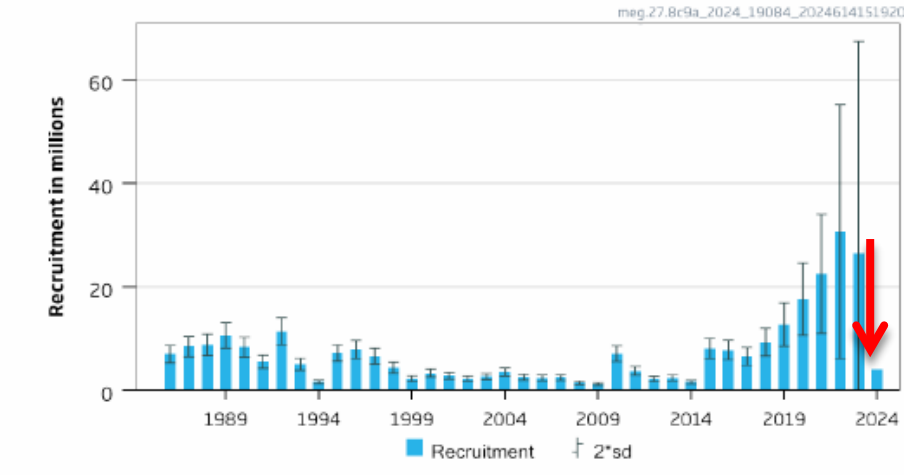


meg 8c9a

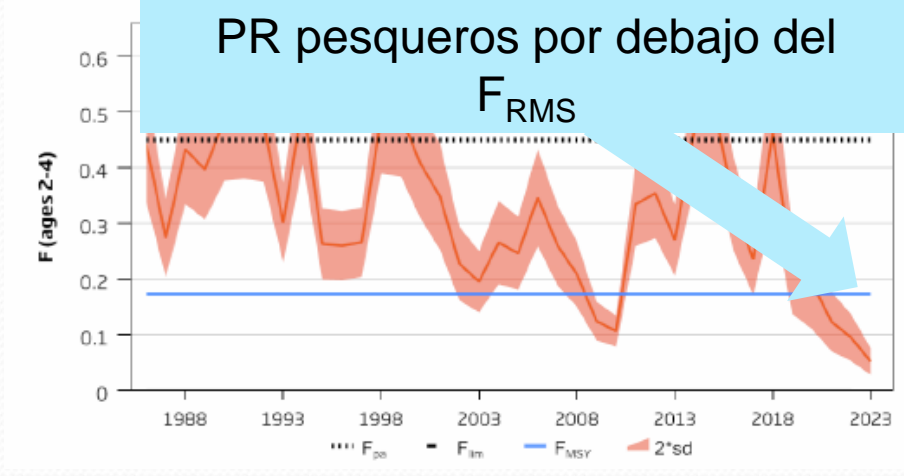
Catches



Recruitment (age 1)



F



SSB





meg 8c9a

ESTADO Y EVOLUCION DEL STOCK
 Benchmark en 2022
 Capturas están estables y la SSB sube por encima de RMS
 Actualmente el stock se encuentra en buena situación

ICES stock data category	1 (ICES, 2023b).
Assessment type	Age-based assessment (a4a; ICES 2023c) that uses catches in the model and in the forecast.
Input data	Commercial catches (international catches, ages, and length frequencies from catch sampling); one survey index, the Spanish North Coast Bottom Trawl Survey (SP-NSGFS-Q4 [G2784]), from 1988 to 2022 but excluding 2003 and 2013; constant maturity ogive; assumed natural mortality of 0.2 (ICES, 2023a).
Discards and bycatch	Discards are included in the assessment for the full time-series for the majority of the fleets.
Indicators	None.
Other information	Last benchmarked in 2022 (ICES, 2023a).
Working group	Working Group for the Bay of Biscay and Iberian Waters Ecoregion (WGBIE).



meg 8c9a

CONSEJO DE ICES

ICES aconseja que aplicando el ENFOQUE del RMS la
captura de este stock debe ser

1721 t

(1161 - 2595 t MAP)

En 2024  35 % 2023

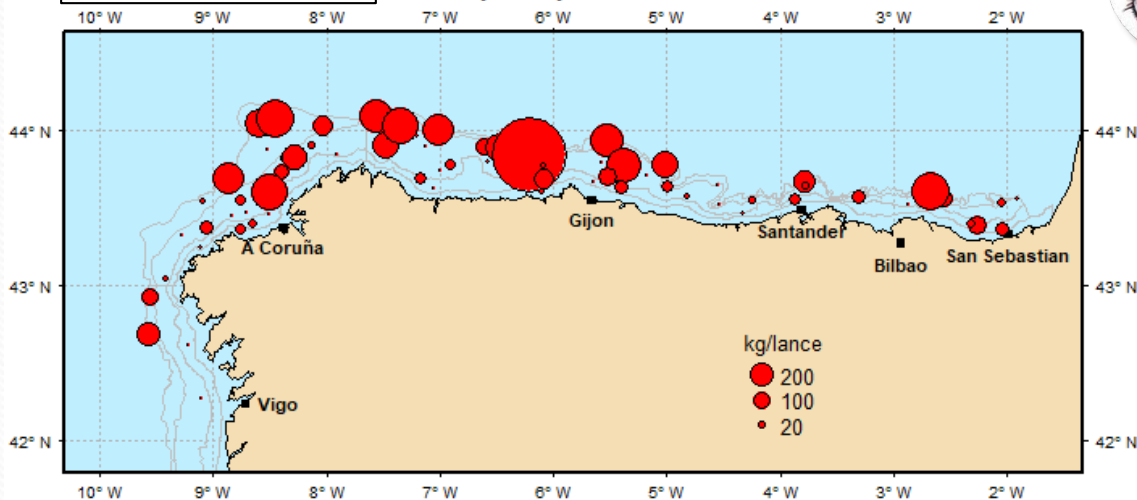
Consejo ICES 2024

1271 t



Rape blanco

Lophius piscatorius



Rapes (*Lophius* spp)

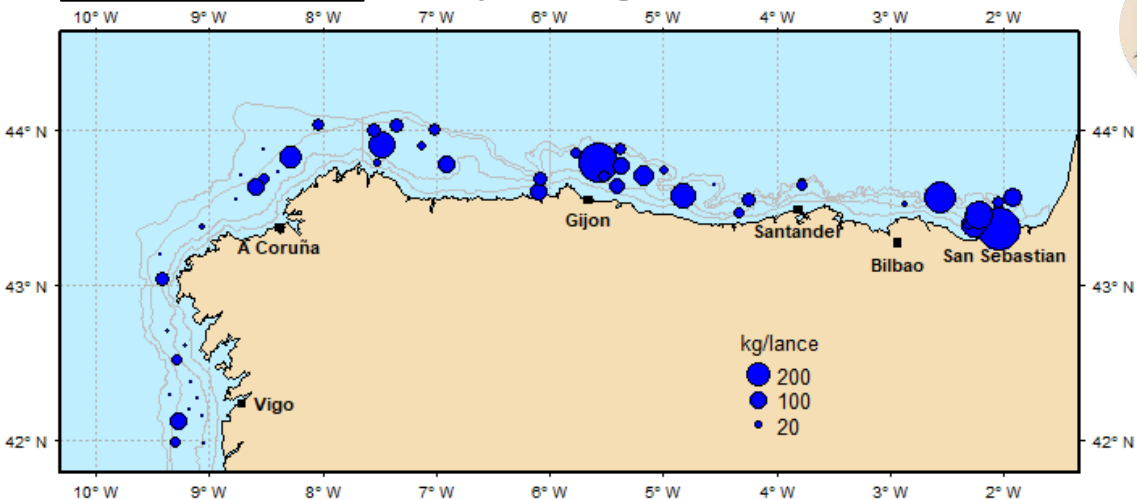
Consejo 2024 para 2025

piscatorius

budegassa

Rape negro

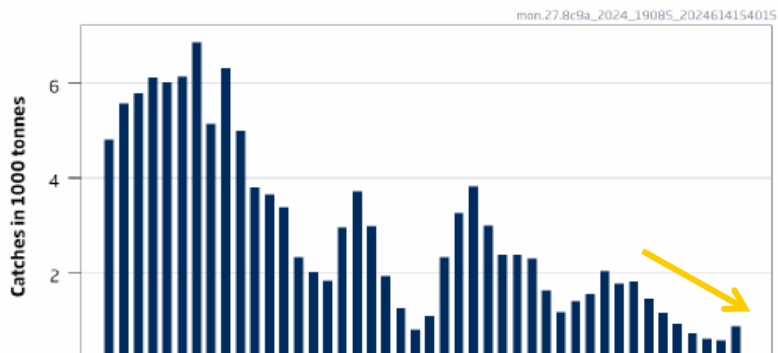
Lophius budegassa





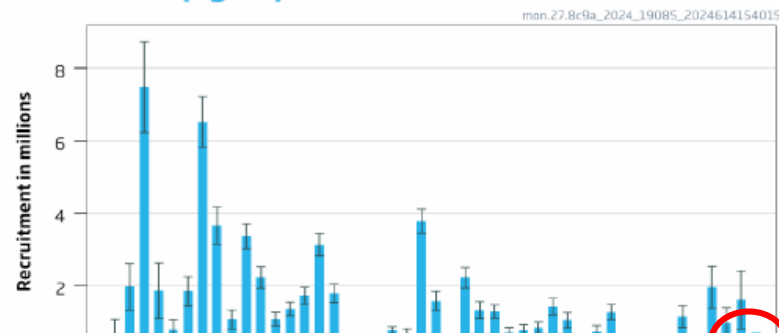
Rape blanco (*Lophius piscatorius*) Estado del stock – modelo analítico Stock Synthesis

Catches



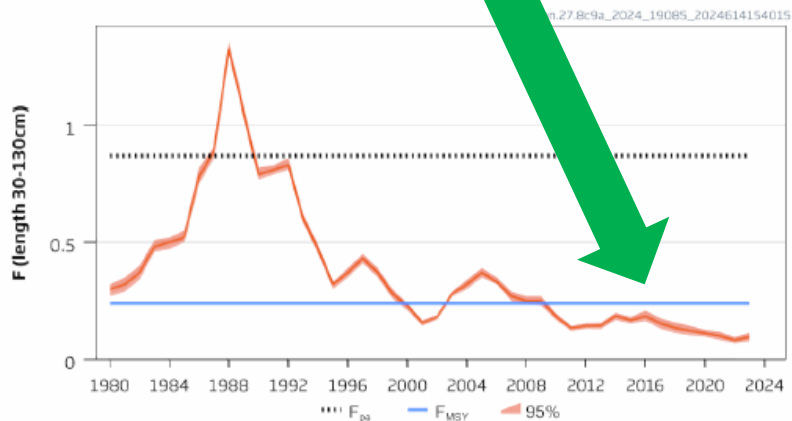
PR pesqueros por debajo del F_{RMS}

Recruitment (age 0)

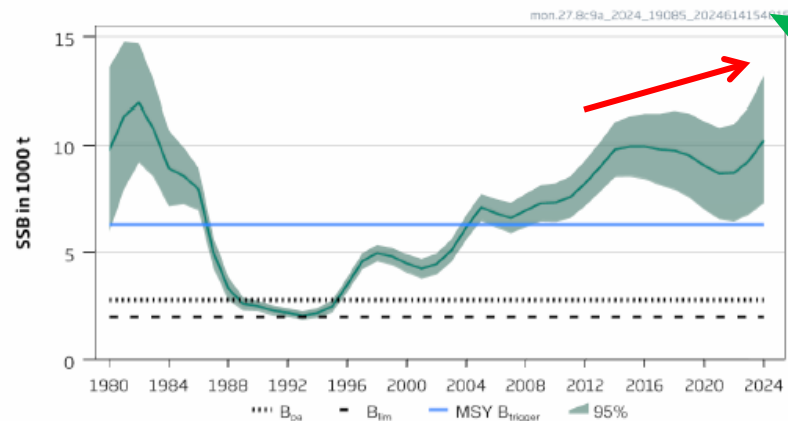


PR biológicos superiores a niveles de biomasa precautorios y RMS.

F



SSB





mon 8c9a

ESTADO Y EVOLUCION DEL STOCK

Capturas decrecientes desde 2016 (2023↑) la SSB por encima de RMS

ICES stock data category	1 ICES, 2023
Assessment type	Length-based analytical assessment model (Stock Synthesis) that uses landings in the model and in the forecast (ICES, 2024).
Input data	Commercial landings, one index from the Spanish North Coast Bottom Trawl Survey (SP-NSGFS-Q4 [G2784]) between 1983 and 2023 and two commercial indices (LPUE series from SP-CORUTR8c 1982–2012 and SP-CEDGNS8c 1999–2011); assumed constant natural mortality.
Discards and bycatch	Discarding is not quantified, assumed to be negligible
Indicators	None
Other information	The most recent benchmark was in 2018 (ICES, 2018)
Working group	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion (WGBIE)



mon 8c9a

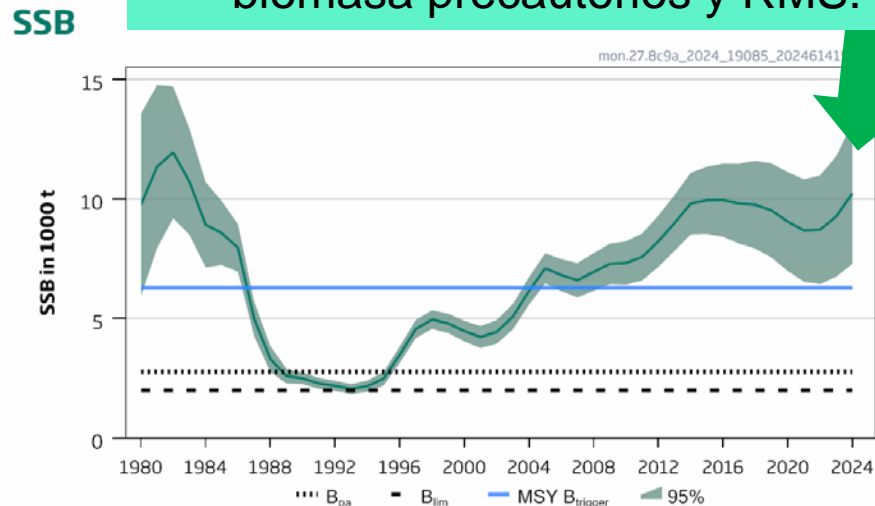
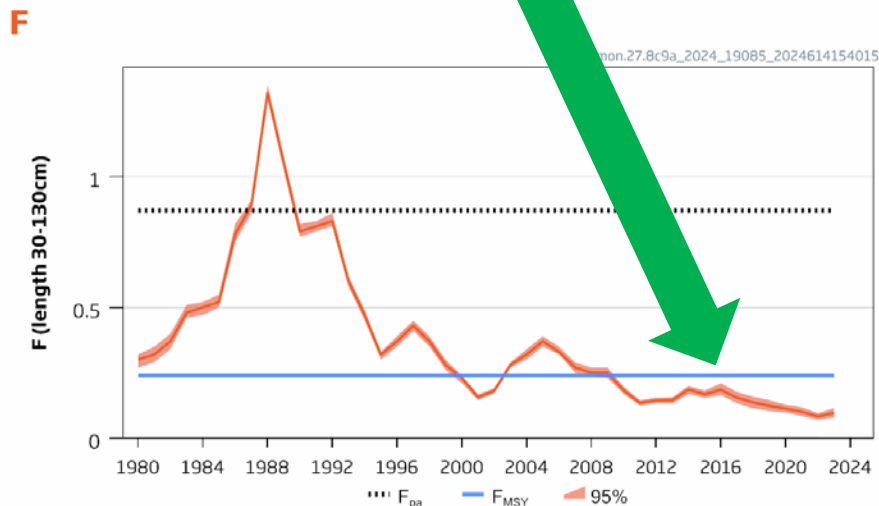
ESTADO Y EVOLUCION DEL STOCK

Capturas decrecientes desde 2016 (2023↑) la SSB por encima de RMS

ICES stock data category	1 ICES, 2023)
Assessment type	Length-based analytical assessment model (Stock Synthesis) that uses landings in the model and in the forecast (ICES, 2024).
Input data	Commercial landings, one index from the Spanish North Coast Bottom Trawl Survey (SP-NSGFS-Q4 [G2784]) between 1983 and 2023 and two commercial indices (LPUE series from SP-CORUTR8c 1982–2012 and SP-CEDGNS8c 1999–2011); assumed constant natural mortality.
Discards and bycatch	Discarding is not quantified, assumed to be negligible
Indicators	None
Other information	The most recent benchmark was in 2018 (ICES, 2018)
Working group	Working Group for the Bay of Biscay and the Iberian

PR pesqueros por debajo del F_{RMS}

PR biológicos superiores a niveles de biomasa precautorios y RMS.



Rape blanco



mon 8c9a

CONSEJO DE ICES

Basis	Total catch (2025)	F _{30-130 cm} total (2025)	SSB (2026)	% SSB change**	% advice change^
ICES advice basis					
EU MAP*: F _{MSY}	2946	0.24	11639	-0.39	16.0
F = MAP* F _{MSY lower}	2098	0.164	12467	6.7	16.2
F = MAP* F _{MSY upper}	3863	0.33	10743	-8.1	15.9
Other options					
F = 0	0	0	14503	24	-100
F _{pa}	7803	0.87	6837	-41	207
SSB (2026) = B _{lim}	12322	2.8	1993	-83	385
SSB (2026) = B _{pa}	11668	2.2	2769	-76	360
SSB (2026) = MSY B _{trigger}	8350	0.98	6283	-46	229
SSB ₂₀₂₆ = SSB ₂₀₂₅	2900	0.24	11685	0	14.2
F = F ₂₀₂₄	1245	0.094	13296	13.8	-51
Catch advice (2025) = Catch advice 2024	2539	0.20	12036	3.0	0

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock no debe superar las **2946 t** (MAP: 2098 – 3863 t)
 En 2025 16 % 2024

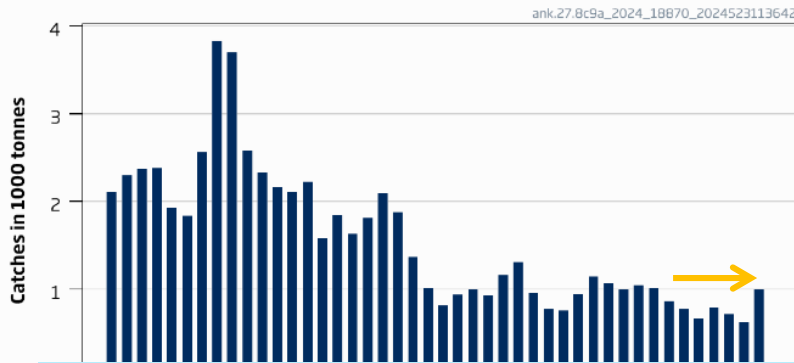
Consejo 2024

2539 t



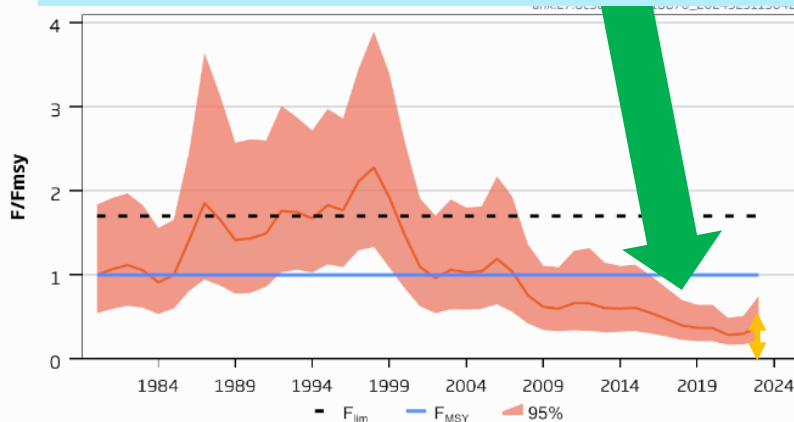
Rape negro (*Lophius budegassa*) Estado del stock – Categoría 2, modelo producción (SPiCT)

Catches



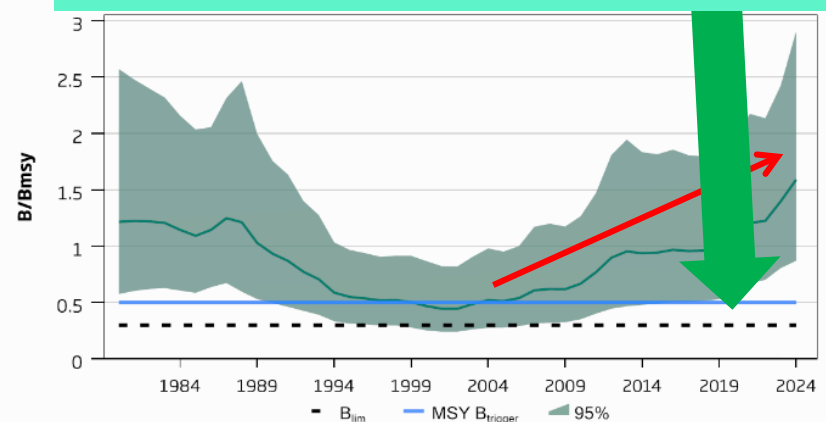
PR pesqueros por debajo del F_{RMS}

Rela



PR biológicos superiores a niveles de biomasa precautorios y RMS.

Rela



Rape negro



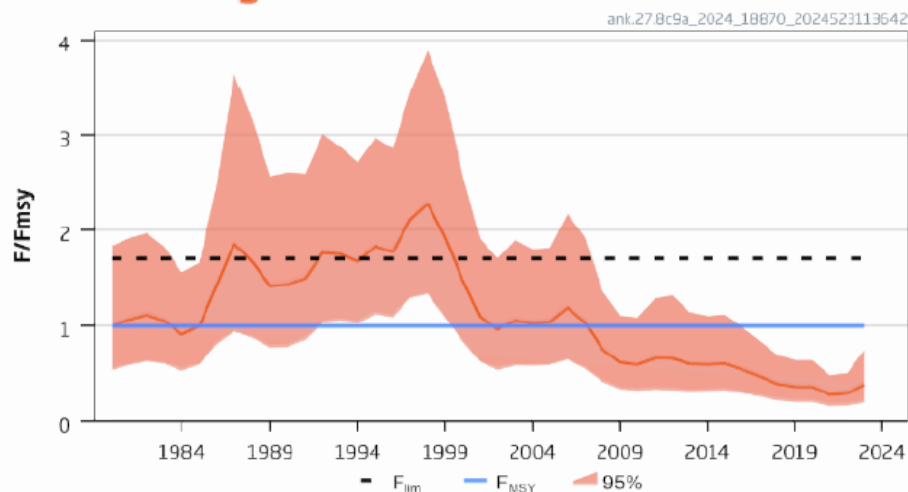
ank 8c9a

ESTADO Y EVOLUCION DEL STOCK

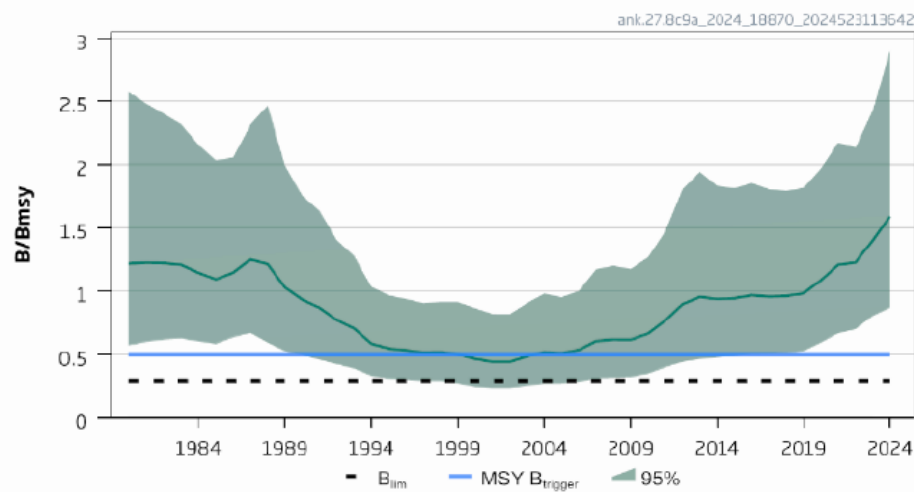
Capturas estables y la SSB sube por encima de RMS

ICES stock data category	2 ICES, 2023
Assessment type	Surplus Production Model in Continuous Time (SPiCT; ICES, 2024)
Input data	Commercial catches (international landings); one commercial index (PT.fish.tr 1989–2023).
Discards and bycatch	Discarding is assumed to be negligible.
Indicators	None
Other information	Last benchmarked in 2021 (ICES, 2021).
Working group	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion (WGBIE)

Relative Fishing Pressure



Relative Biomass





ank 8c9a

CONSEJO DE ICES

Basis	Total catch (2025)	Fishing mortality F_{2025}/F_{MSY}	Stock size B_{2026}/B_{MSY}	% biomass change [^]	% advice change ^{^^}
ICES advice basis					
MSY approach (35 th percentile of predicted catch distribution under $F = F_{MSY}$)	2486	0.89	1.50	-6.2	17.8
Other scenarios					
$F = F_{msy}$	2770	1	1.49	-6.9	31
$F = F_{2023} = F_{sq}$	1121	0.39	1.60	0	-47
$F = 0$	0	0	1.68	5.0	-100

ICES aplicando el RMS aconseja que la captura de este stock en 2025 debe ser menor de **2486 t**

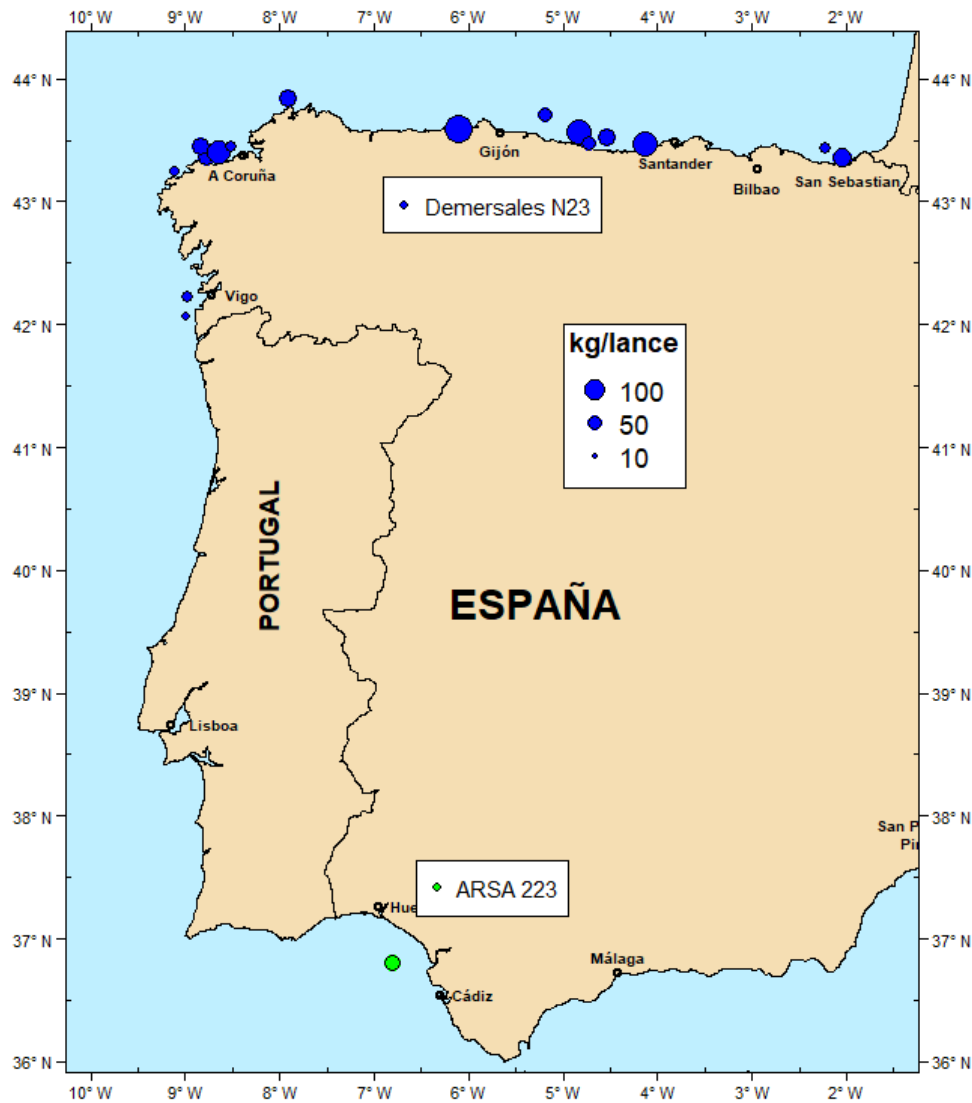
En 2025  17.8 % 2024

Consejo ICES 2024

2111 t

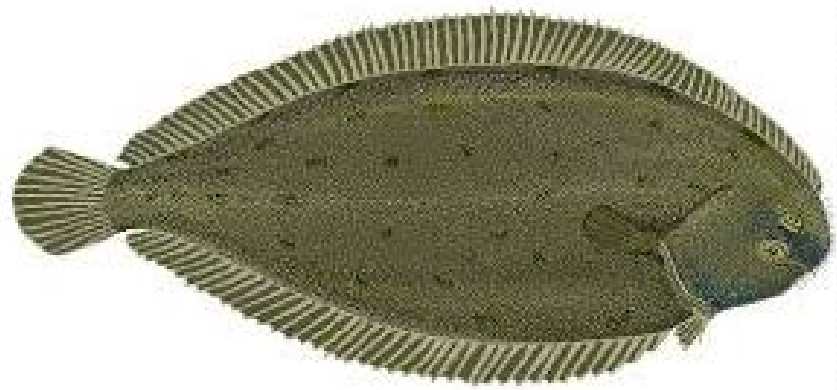


Solea solea



Lenguado / SOL
(Solea solea)

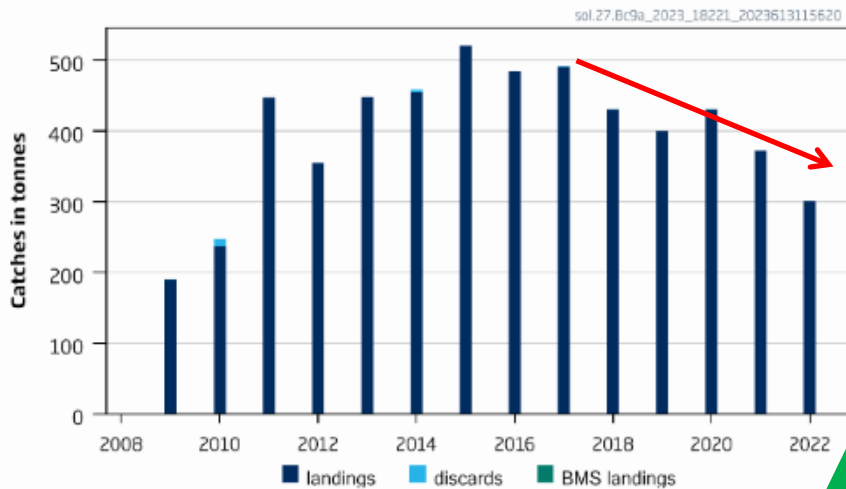
Consejo 2023
para 2024-2025





sol 89a

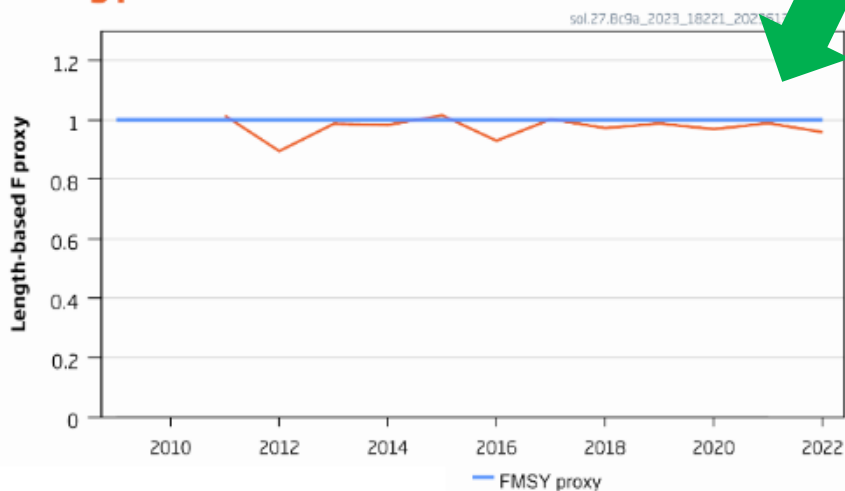
Catches



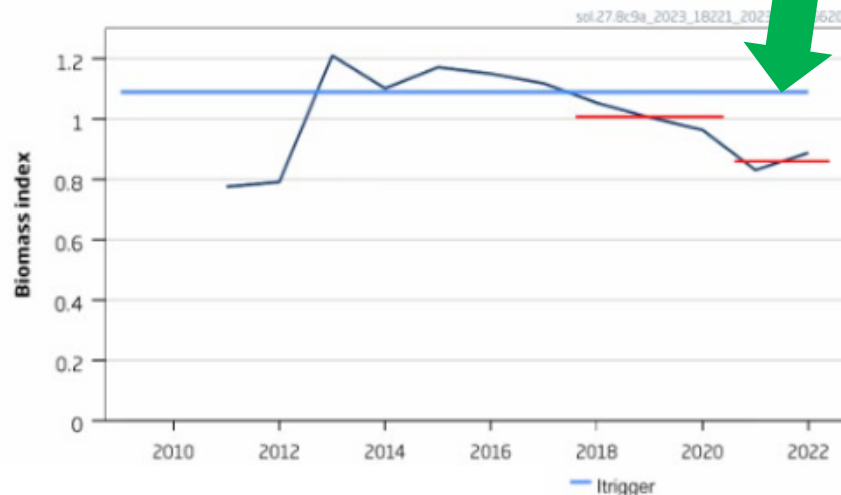
PR pesqueros por debajo del F_{RMS}

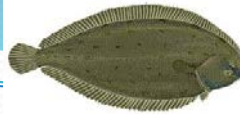
PR biológico por debajo de $I_{trigger}$

Fishing pressure indicator



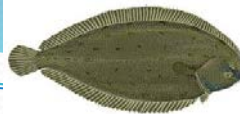
Stock size indicator





sol 89a

ICES stock data category	3 (ICES, 2023a).
Assessment type	Trends from combined biomass index between commercial Portuguese LPUE and Spanish bottom trawl survey index and LBI (ICES, 2023b).
Input data	Commercial catches (Portuguese catches 2011–2022, Spanish and French catches 2009–2022), biomass standardized index from the Spanish North Coast Bottom Trawl Survey (IBTS Q4 [G2784], 2009–2022), standardized LPUE index from the Portuguese polyvalent fleet (2011–2022), length composition from commercial catches (Portugal and Spain 2011–2022), life-history parameters ($k=0.22$; $L_{inf}=48.9$ cm).
Discards and bycatch	Discards are considered negligible.
Indicators	Length-based spawning potential ratio (LBSPR) and mean length-based mortality (MLZ).
Other information	Benchmarked in 2021 (ICES, 2021).
Working group	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion (WGBIE).



sol 89a

CONSEJO DE ICES

ICES aconseja que aplicando el **Máximo Rendimiento Sostenible** la captura de este stock no debe superar las **209 t**

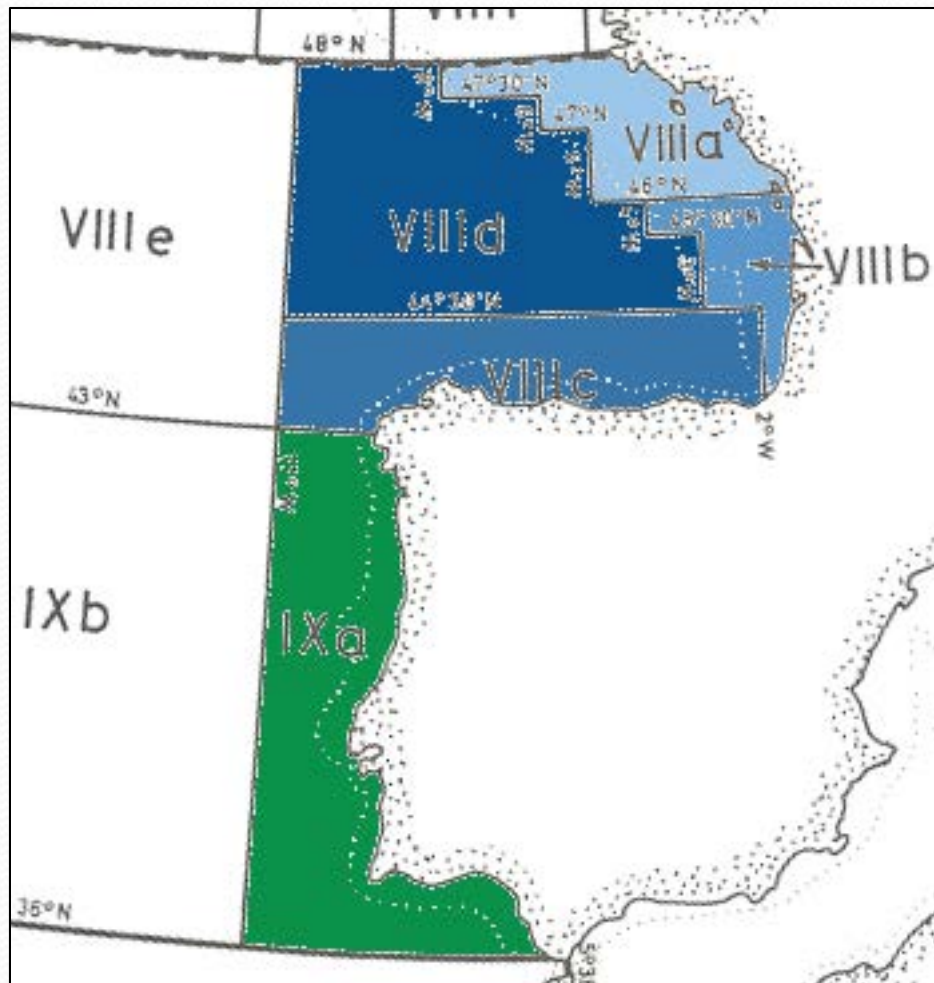
en los años **2024 y 2025**

35% 2022/23

La recomendación de captura es para *Solea* spp. tres especies. La recomendación de captura es de 541 t para los años 2024 y 2025

Consejo ICES 2022/23

320 t



Abadejo / POL (*Pollachius pollachius*)

**Consejo 2023
para 2024-2025**

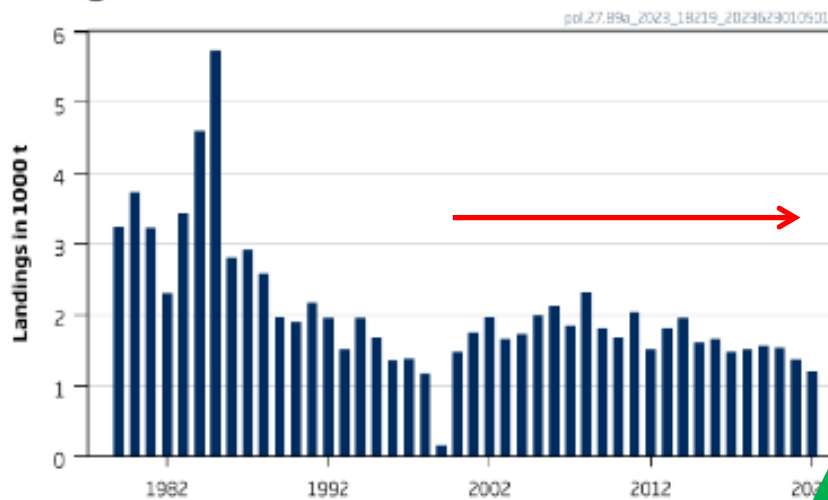




pol 89a



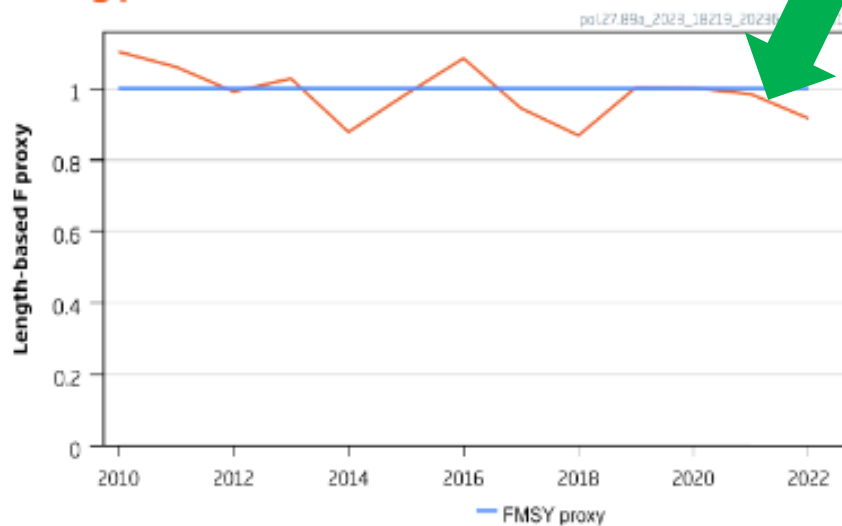
Landings



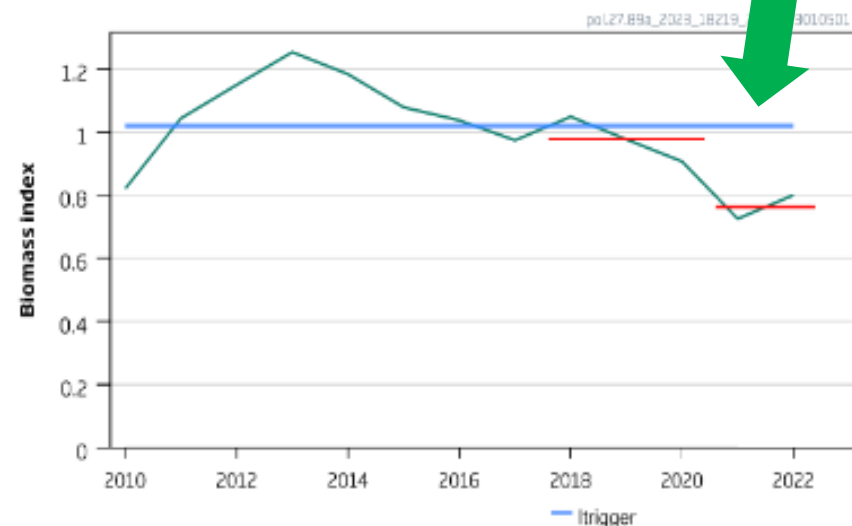
PR pesqueros por debajo del F_{RMS}

PR biológico por debajo de $I_{trigger}$

Fishing pressure indicator



Stock size indicator





pol 89a



CONSEJO DE ICES

ICES aconseja que aplicando el **Máximo Rendimiento Sostenible** la captura de este stock no debe superar las **872 t**

en los años **2024 y 2025**

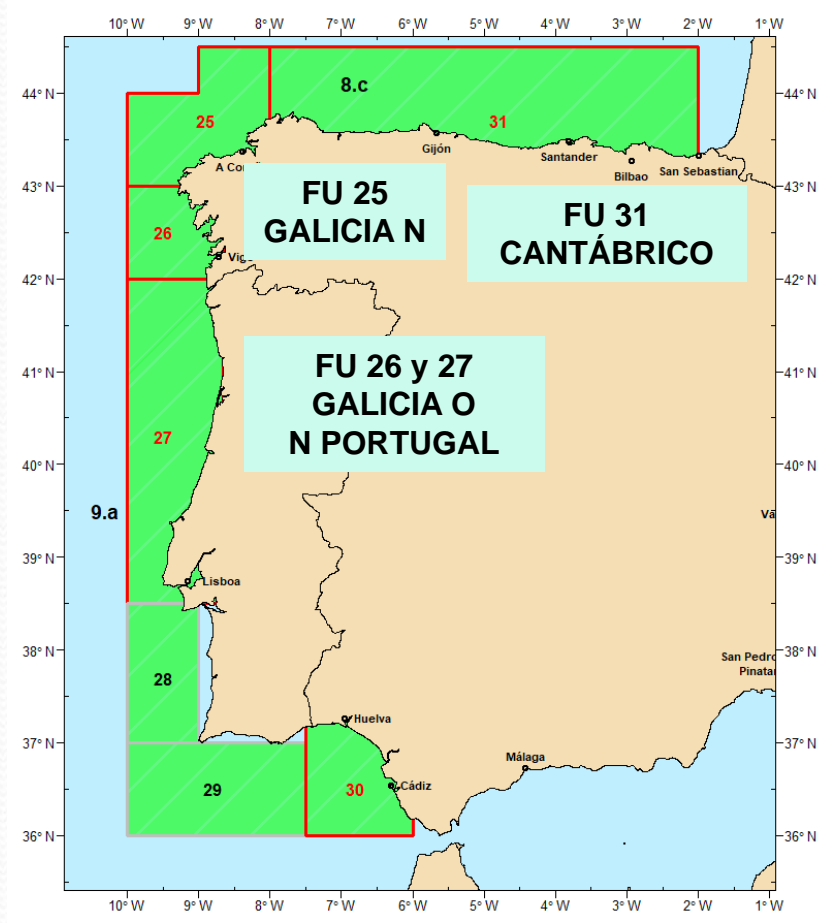
↓ **36%** 2022/23

Consejo ICES 2022/23

1369 t



Cigala/ NEP (*Nephrops norvegicus*) Recomendación para 2025





Benchmark en 2021 para FU31, FU25 y FU 26-27

Modelo de producción (SPiCT)
Categoría de los tres stocks → 2
Recomendación basada en RMS

ICES recomienda seguir realizando una
gestión de capturas por UF para garantizar
una explotación sostenible.

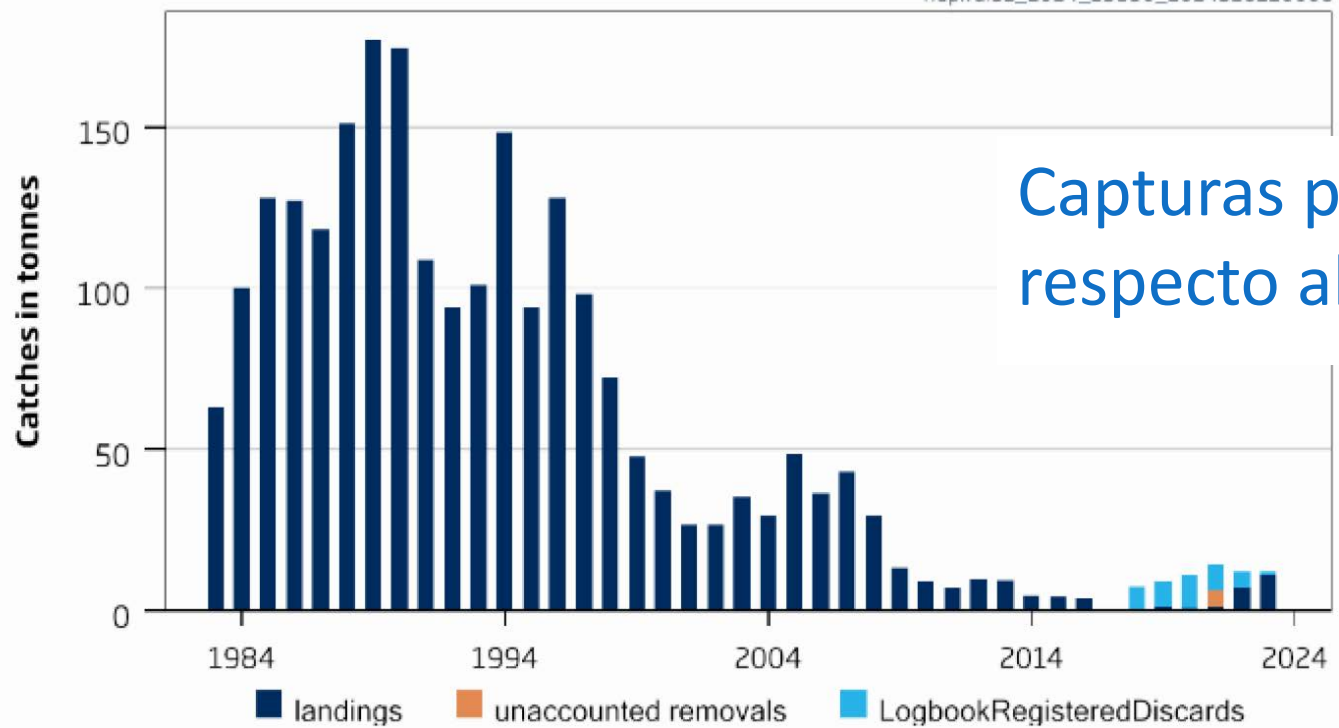


FU31



Catches

nep.fu.31_2024_18890_2024526220006



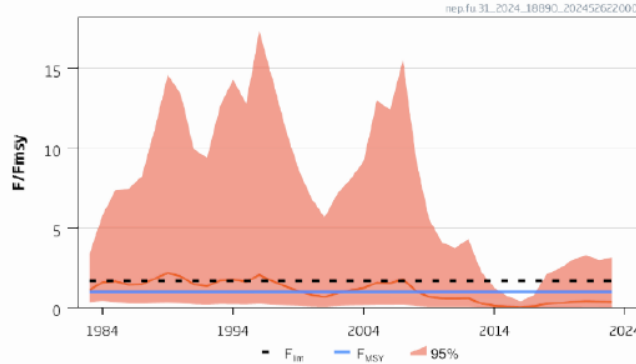
Capturas para 2025 respecto al RMS = 29 t



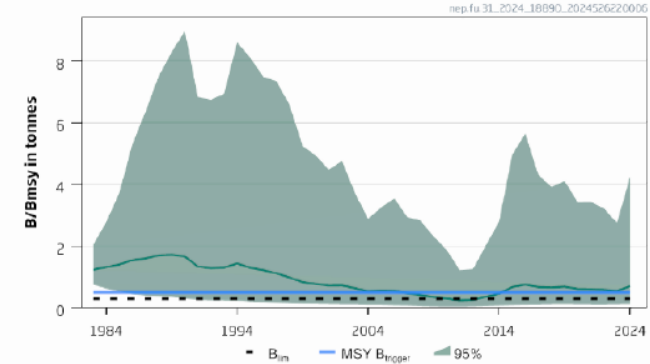
FU31



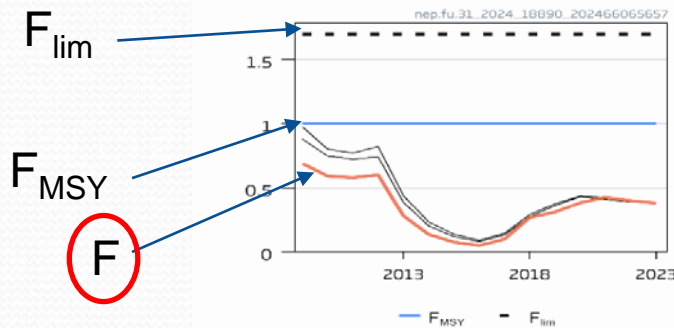
Relative Fishing Pressure



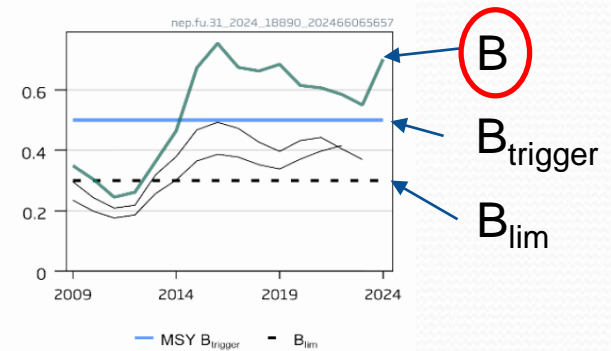
Relative Biomass



Relative Fishing Pressure



Relative Biomass



- la mortalidad pesquera (F) sobre la población está por debajo del F_{MSY}
- la biomasa está por encima del $MSY B_{trigger}$



FU31



Bases de la evaluación

ICES stock data category	2 (ICES, 2023)
Assessment type	Production model (SPiCT; ICES, 2024) that uses catches in the model and in the forecast
Input data	Commercial catches (Spanish catches [1983–2023]); <i>Nephrops</i> abundance index (since 1983) derived from the Spanish North Coast Bottom Trawl Survey (SP-NGFS-WIBTS-Q4 [G2784])
Discards	Included
Indicators	None
Other information	Last benchmarked in 2021 (ICES, 2021)
Working group	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion (WGBIE)

(Campaña Demersales)




FU31

- Se usa este escenario:
- para tener en cuenta la incertidumbre y porque
 - se considera que la biomasa del stock está en situación precaria

Basis	Total catch (2025)	Fishing pressure F_{2025}/F_{MSY}	Biomass B_{2026}/B_{MSY}	% Biomass change [^]	% TAC change ^{^^}	% advice change ^{^^}	Probability $B < B_{lim}$
ICES advice basis							
MSY approach: 35th percentile of predicted catch distribution under $F = F_{MSY}$	29.0	0.73	0.78	4.0	134	134	0.157
Other scenarios							
$F = F_{2023} = F_{sq}$	15.3	0.38	0.81	8.0	23	23	0.144
$F = F_{MSY}$	39.3	1.00	0.77	2.7	217	217	0.167
$F = 0$	0.0	0.00	0.83	10.7	-100	-100	0.130

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock en 2025 no debe superar las:

29 t

Consejo para 2025  un 134 % respecto al de 2024

Consejo del año anterior
12.4 t

[^] Biomass in 2026 relative to the biomass in 2025.
^{^^} Advice value for 2025 relative to the advice value for 2024 (12.4 tonnes).
^{^^^} Advice value for 2025 relative to the TAC value for 2024 (12.4 tonnes).

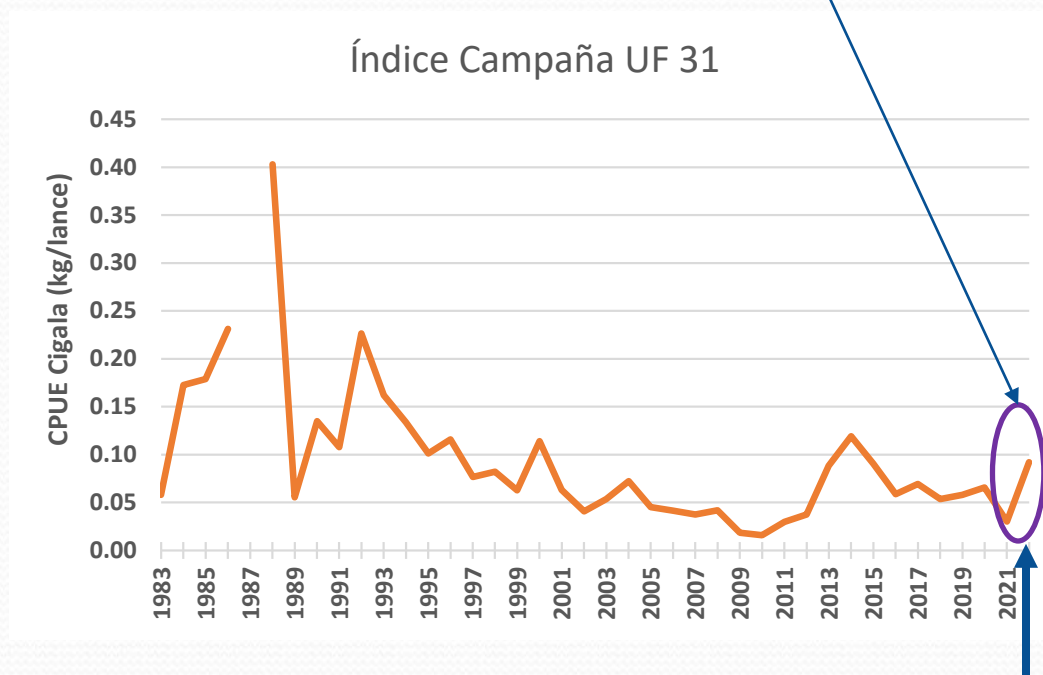




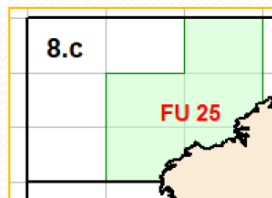
FU31

¿Por qué se produce este aumento?

Índice campaña x3



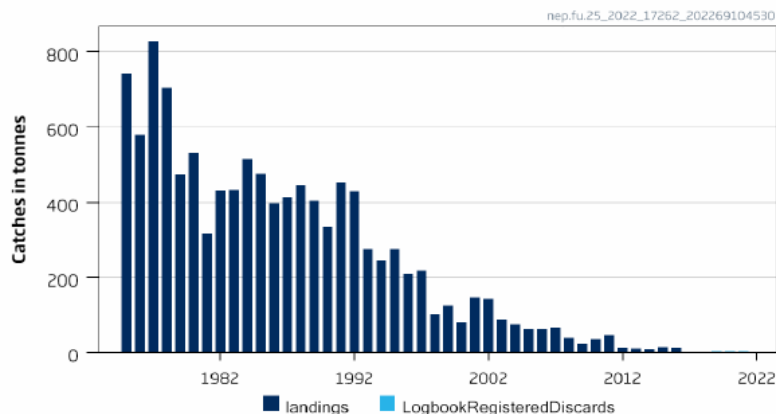
De 0.030 a 0.092 kg/lance



FU25

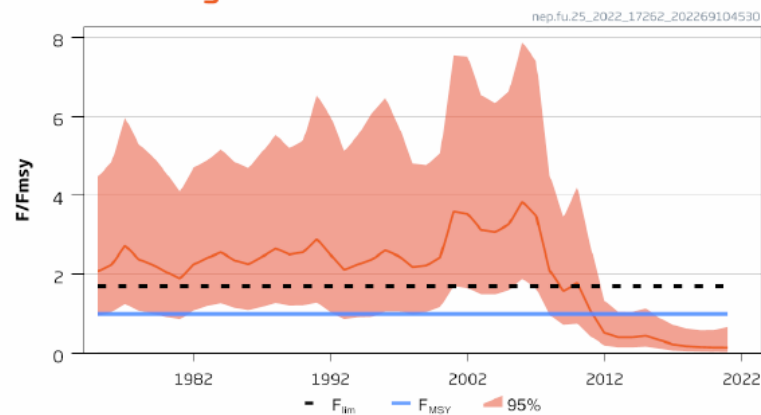


Catches

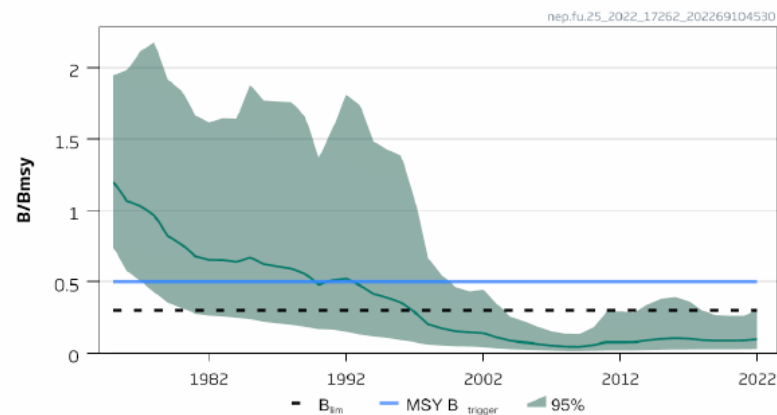


- $B < B_{MSY}$ desde 1978
- $B < B_{trigger}$ desde 1990
- $B < B_{lim}$ desde 1997
- Consejo 0 t desde 2002
- TAC cero desde 2017
- Último consejo científico 2022
- Capturas para 2023, 2024 y 2025 con respecto al RMS = 0 t
- Próximo consejo científico 2025

Relative Fishing Pressure



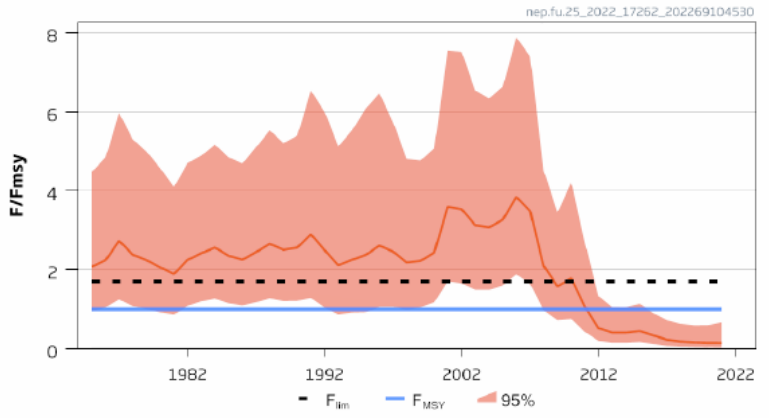
Relative Biomass



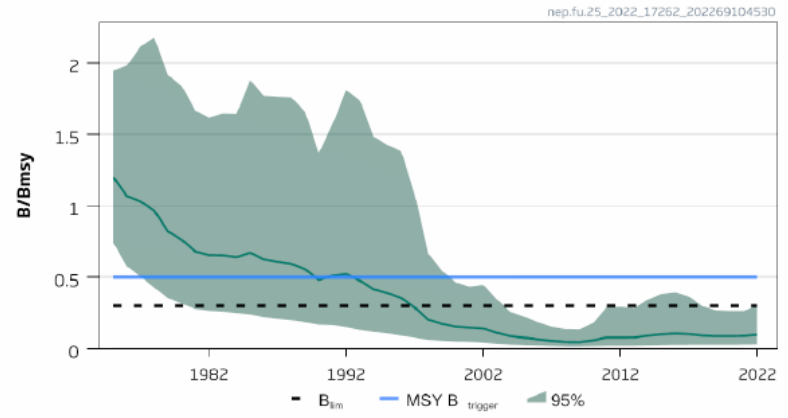
FU25



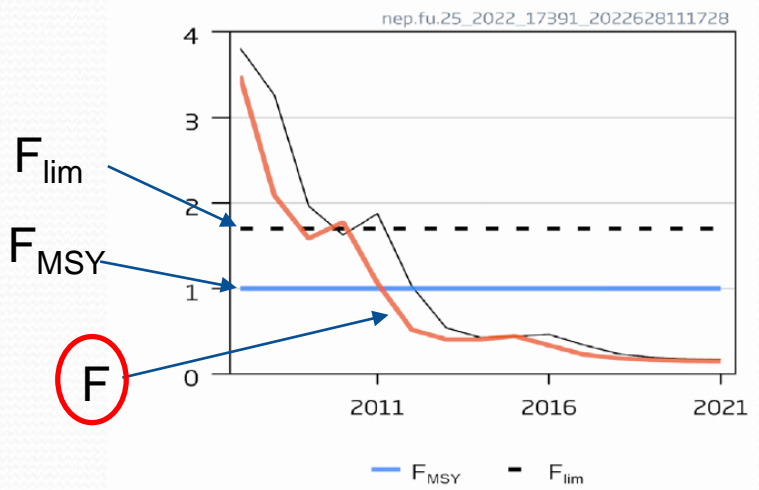
Relative Fishing Pressure



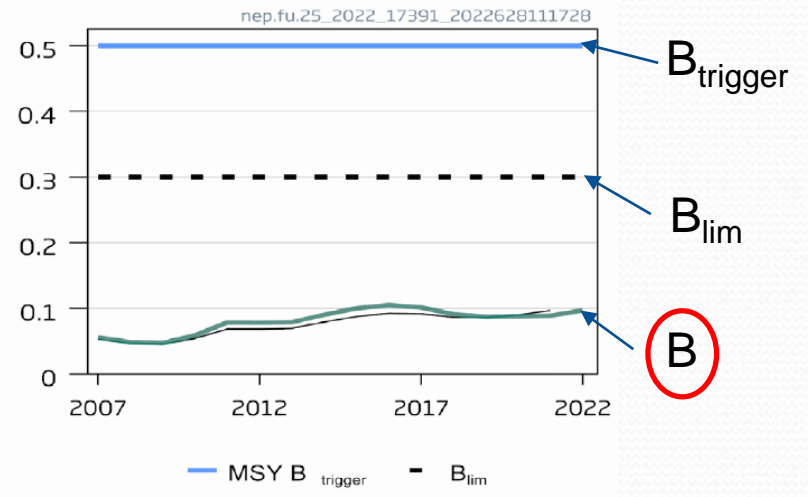
Relative Biomass



Relative Fishing Pressure



Relative Biomass





Nº UNIDAD FUNCIONAL	ZONA	NOMBRE UNIDAD FUNCIONAL	AÑO	ESTACIONES PLANEADAS	DENSIDAD MEDIA AJUSTADA (madrigueras/m ²)
8	Escocia (Este)	Firth of Forth	2023	56	0.88
13b	Escocia (Oeste)	Sound of Jura	2023	10	0.84
15	Irlanda (Este)	Western Irish Sea - UK Northern Ireland	2023	100	0.80
13a	Escocia (Oeste)	Firth of Clyde	2023	30	0.72
11	Escocia (Oeste)	North Minch	2023	50	0.51
12	Escocia (Oeste)	South Minch	2023	41	0.32
17-A	Irlanda (Oeste)	Aran Grounds - Aran	2023	44	0.29
16	Irlanda (Oeste)	Porcupine Bank	2023	71	0.27
22	Irlanda (Sur)	Celtic Sea - Smalls	2023	41	0.27
34	Escocia (Este)	Devil's hole	2023	16	0.27
9	Escocia (Este)	Moray Firth	2023	55	0.25
3-4	Dinamarca (Norte)	Skagerrak/Kattegat	2023	93	0.24
17-G	Irlanda (Oeste)	Aran Grounds - Galway Bay	2023	44	0.19
7	Escocia (Noreste)	Fladen Ground	2023	70	0.17
17-S	Irlanda (Oeste)	Aran Grounds - Slyne Head	2023	44	0.12
19	Irlanda (Sur)	S Ireland	2023	42	0.11
20-21	Irlanda (Sureste)	Celtic Sea	2023	100	0.10
10	Escocia (Norte)	Noup	2023	12	0.09
33	Dinamarca (Oeste)	Horn's Reef	2023	80	0.07
25	España (Noroeste)	Galicia Norte	2022 (1501 km ²)	24	0.01
25	España (Noroeste)	Galicia Norte	2023 (5900 km ²)	80	0.01

La densidad de la cigala en la **FU 25** es **0.0083** individuos/m²

La densidad media de la cigala en las FUs del **Atlántico Noreste** es **0.34** i/m²



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CSIC

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



Resumen de la recomendación científica de ICES para los recursos pesqueros de interés para la flota española en aguas Atlántico ibéricas

Stocks pelágicos

Programa de Pesca ICES
Área de Pesca
Instituto Español de Oceanografía

Videoconferencia
14 octubre 2024

José Cebrián, Gérsom Costas, Rosario Domínguez-Petit,
Fernando Ramos, Margarita Rincón, Isabel Riveiro, M^a José
Zuñiga, Fran Velasco, Héctor Villa

Campañas primavera usadas evaluación

Jurel (*Trachurus trachurus*)

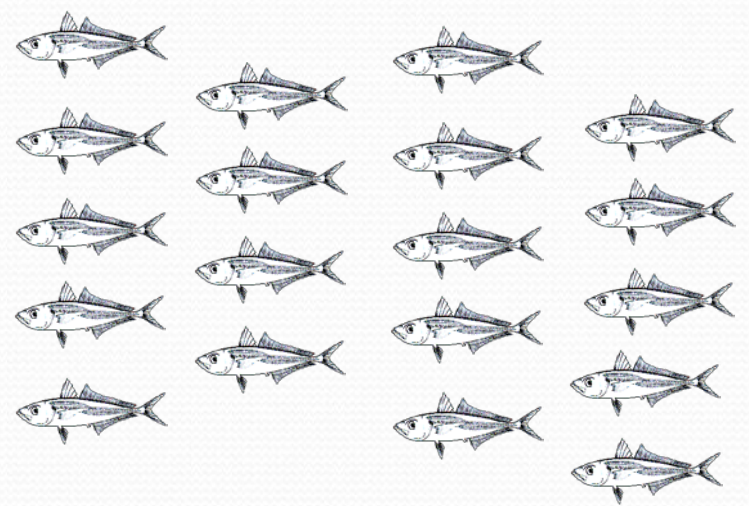
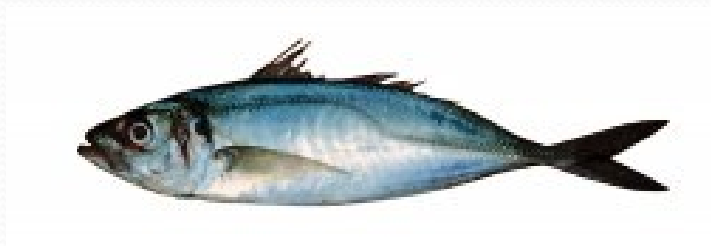
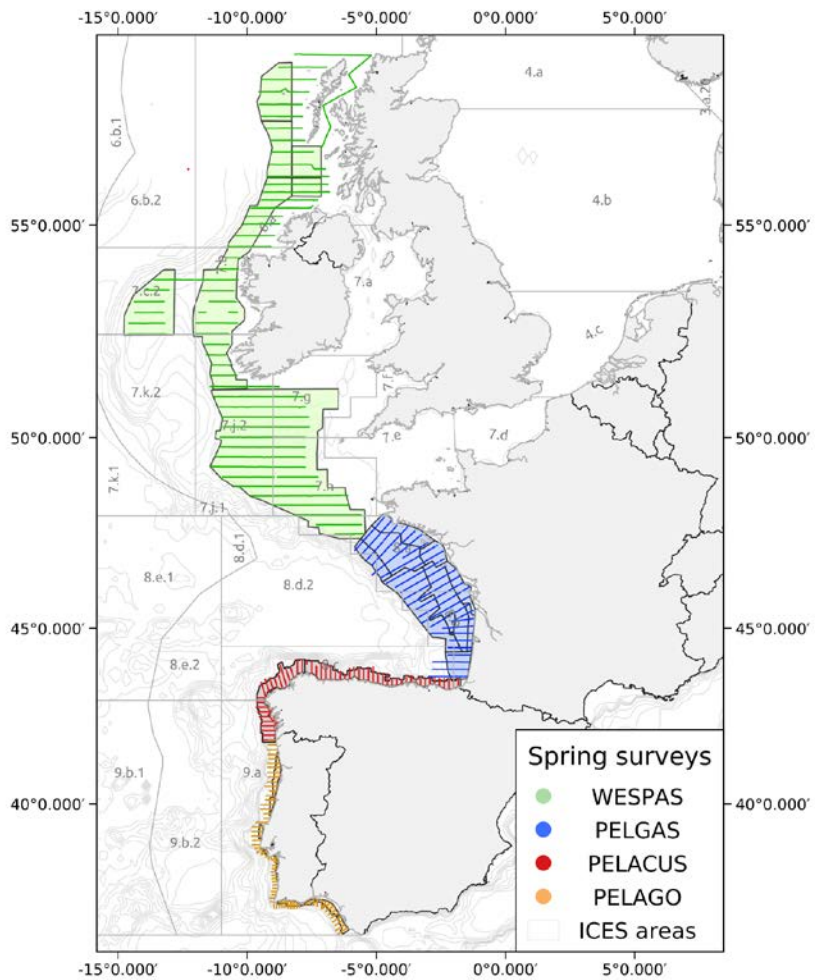
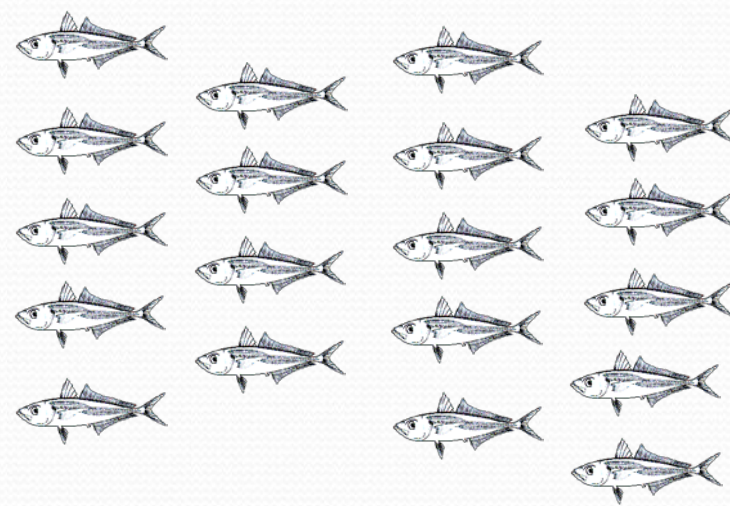
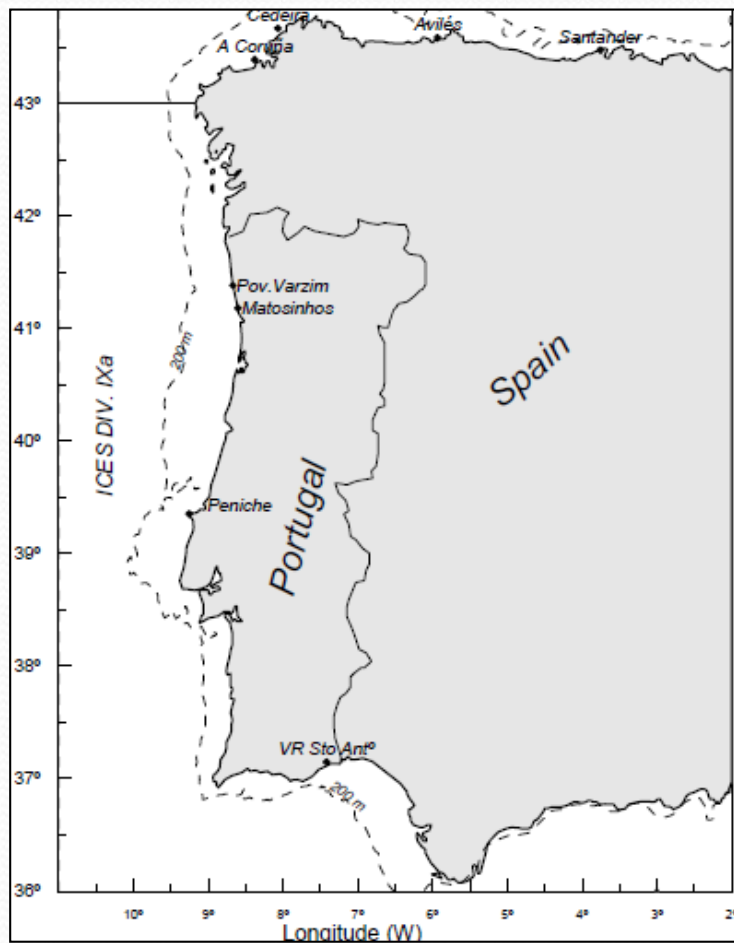


Figura de Doray et al. (2021). WGwide



hom 9a

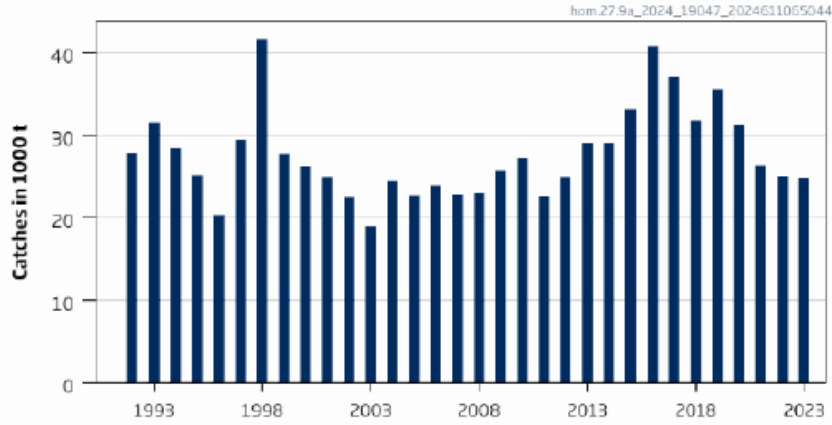
Jurel stock sur Consejo 2024 para 2025 (*Trachurus trachurus*)



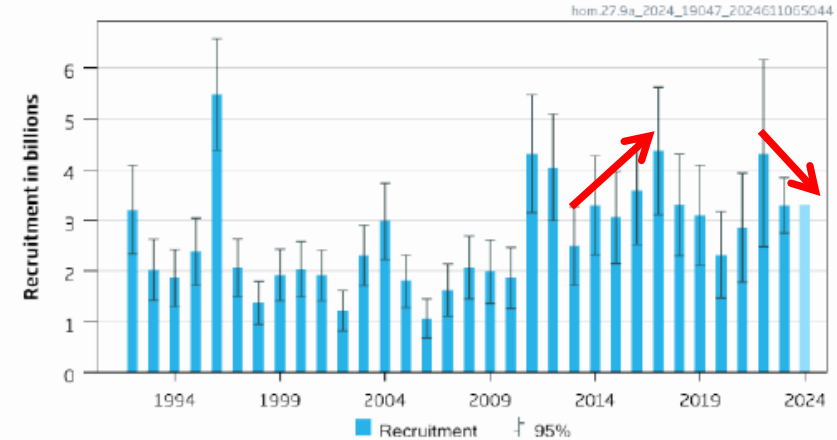


hom 9a

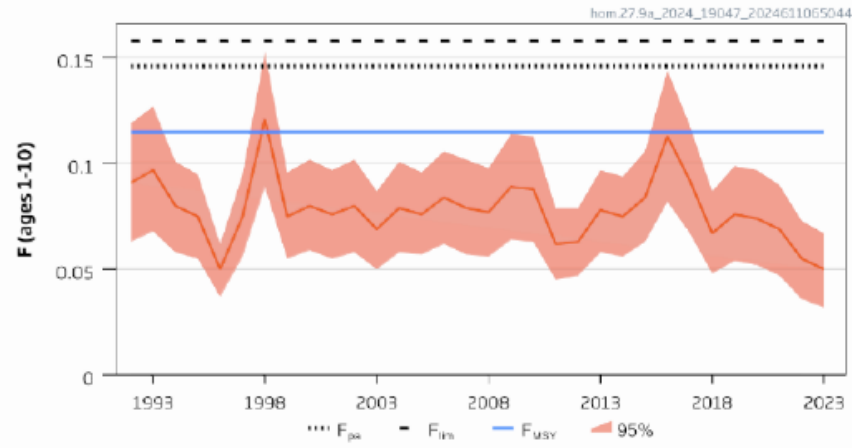
Catches



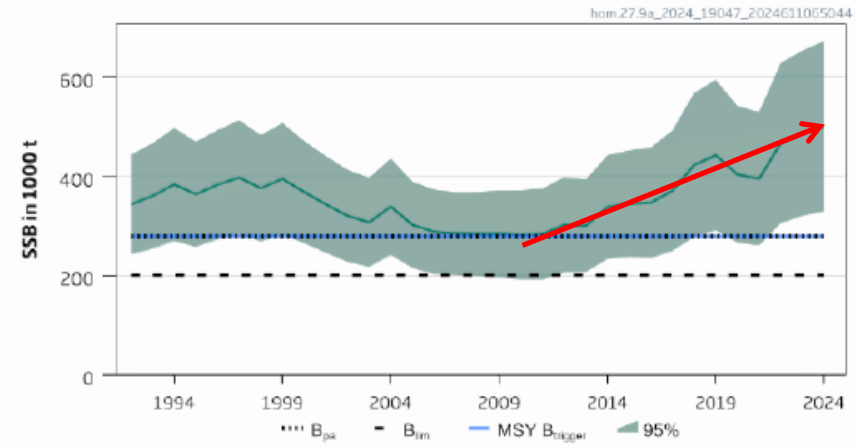
Recruitment (age 0)



F



SSB



hom 9a

EVOLUCION DEL STOCK

Presión pesquera por debajo de F_{MSY}
Biomasa del stock reproductor por encima $MSY B_{trigger}$ y B_{pa} B_{lim} desde 1992

ICES stock data category	1 (ICES, 2023)
Assessment type	Age-based analytical assessment* (Stock Synthesis model) that uses catches and CPUE and survey indices in the model and in the forecast (ICES, 2024b)
Input data	Commercial catches (international landings, ages from catch sampling). Three indices: triennial DEPM survey index (I4189, 2010–2022), a combined IBTS survey index, derived from Spanish North Coast Bottom Trawl Survey [G2784] and Portuguese International Bottom Trawl Survey [G8899] and a commercial bottom trawl CPUE index; constant maturity and age-dependent time-invariant natural mortality estimated in ICES (2024b).
Discards and bycatch	Not included and considered negligible
Indicators	None
Other information	This stock was benchmarked in 2024 (ICES, 2024a)
Working group	Working Group Southern Horse Mackerel, Anchovy and Sardine (WGHANSA)

Campaña Demersales

IBTS Portugal

ESTADO DEL STOCK

PR pesqueros por debajo del
 F_{RMS}

PR biológicos **SUPERIORES** a
niveles de biomasa precautorios y
RMS.



hom 9a

Escenarios	Capturas (2025)	F (2025)	SSB (2026)	% cambio SSB *	% cambio captura**	% cambio Advice ***
ICES advice						
Rendimiento max. sostenible: F_{MSY}	59 266	0.115	522 221	-2	122	-66
Otros escenarios						
$F = 0$	0	0	577 806	8	-100	-100
$F = F_{2023}$	26 618	0.050	552 803	4	7	-85

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock en 2025 no debe superar las **59 266 t (-66 %)**

Consejo ICES 2023

173 873 t

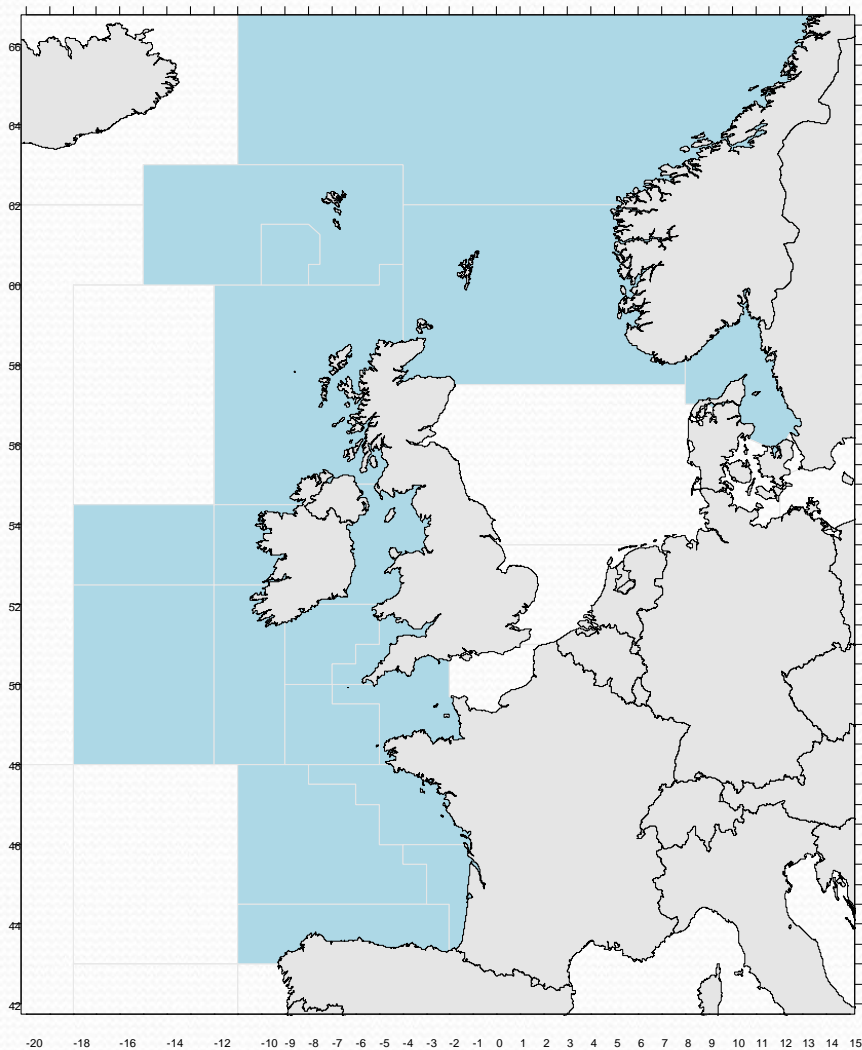
* SSB 2026 relative to SSB 2025.

** Catches in 2025 relative to ICES estimates of catches in 2023 (**24 766**)

*** Advised catches for 2025 relative to the advised catches for 2024 (173 873 t).



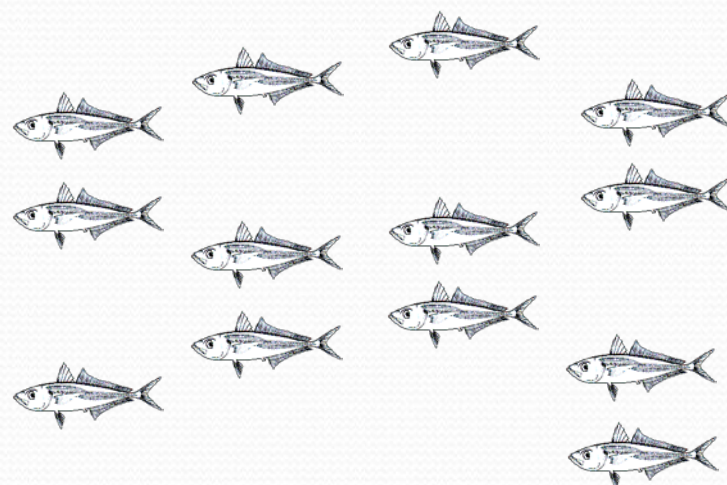
hom 2a3a4a5b6a7a-ce-k8



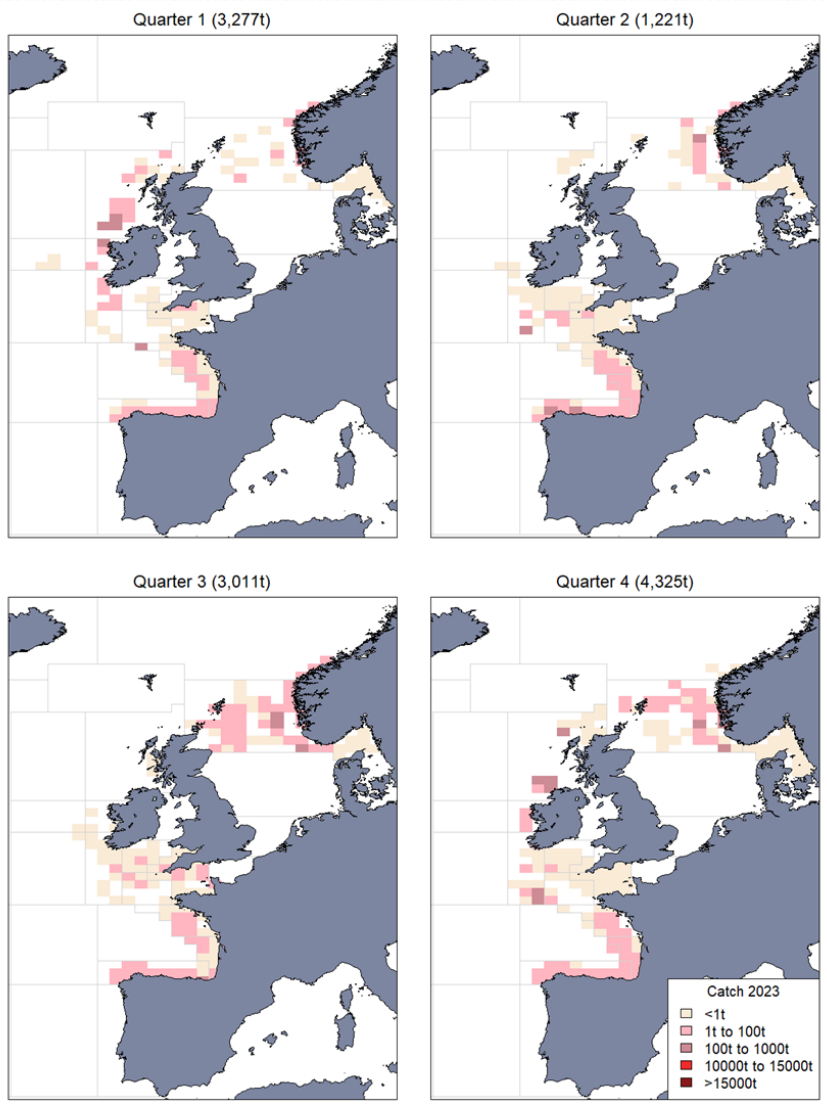
Jurel stock oeste

Consejo 2024 para 2025

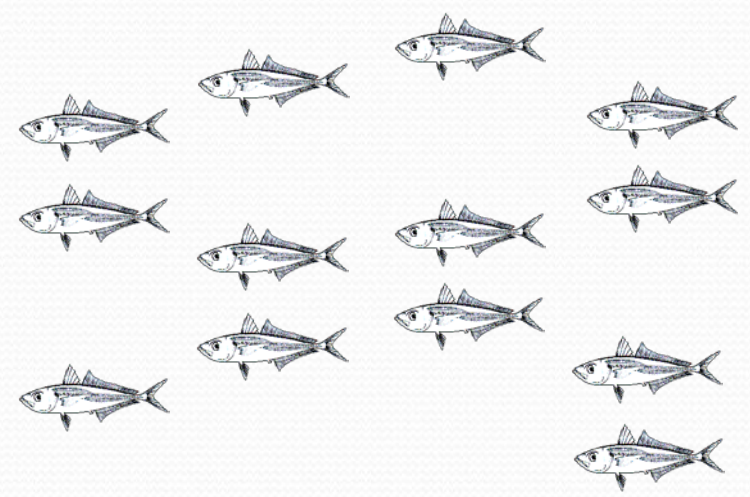
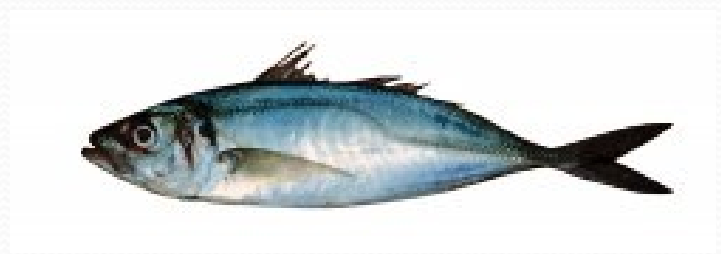
(*Trachurus trachurus*)



hom 2a3a4a5b6a7a-ce-k8



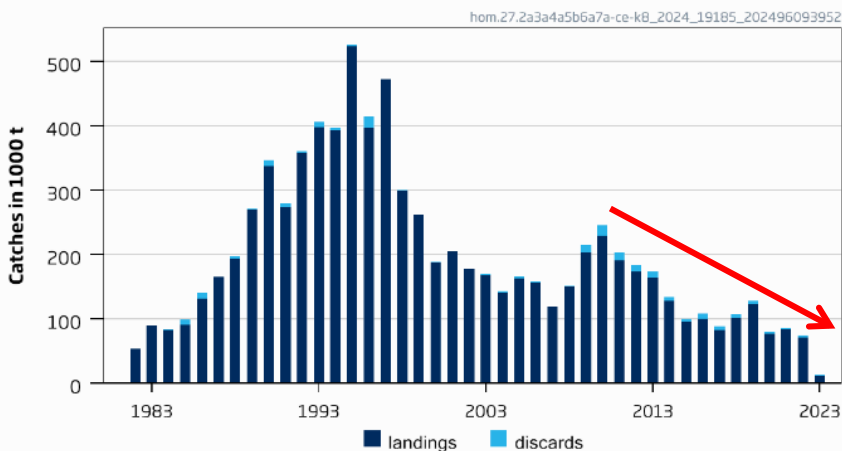
Jurel stock oeste
Consejo 2024 para 2025
(Trachurus trachurus)



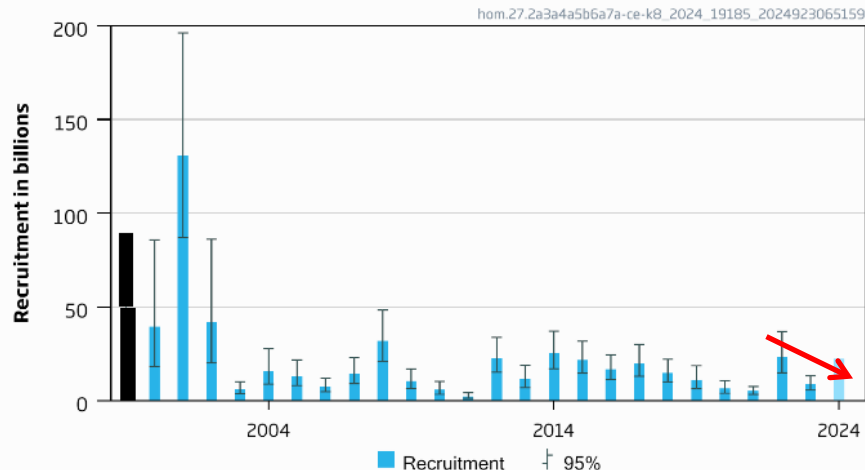


hom 2a3a4a5b6a7a-ce-k8

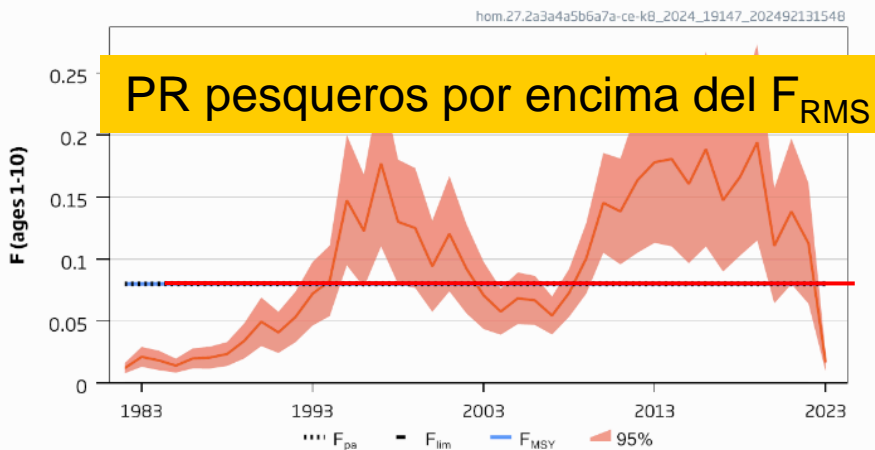
Catches



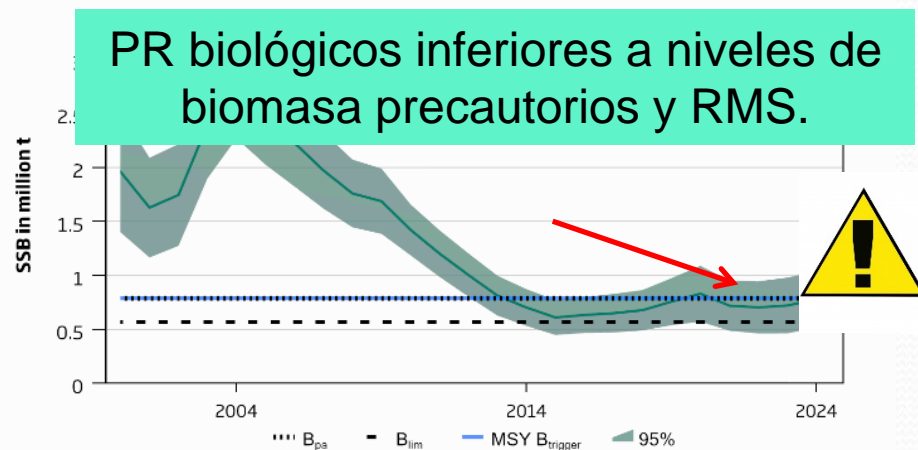
Recruitment (age 0) since 2000



F



SSB since 2000



hom 2a3a4a5b6a7a-ce-k8

Estado y EVOLUCION DEL STOCK

El cambio en la recomendación de captura cero se debe a la diferente percepción del estado de la población dada por un punto de referencia reciente, ahora se estima que el SSB está por encima del nuevo límite B del RMS, mientras que el año pasado se estimó que la población estaba por debajo del Blim anterior (CIEM, 2024a).

ICES stock data category	1 (ICES, 2023)
Assessment type	Age-based analytical assessment (Stock Synthesis) that uses catches in the model and in the forecast*
Input data	Commercial catches: international catches, age data from catch sampling. Four indices: triennial egg survey index (I4189, 1992–2023); a combined recruitment index (2003–2023) derived from EVHOE (G9527), IGFS (G7212), NS-IBTS(G1022), PORC (G5768), SCOWCGFS (G4748 and G4815), SP-NORTH (G2784), and SWC-IBTS (G1179 and G4299); a combined biomass index (2011-2023) derived from the acoustic surveys PELACUS (A2548), PELGAS (A4150) and WESPAS (A8737); and a commercial CPUE index (2017-2022). Time invariant maturity-at-age and natural mortality-at-age.
Discards and bycatch	Discards are provided and included in the assessment
Indicators	None
Other information	The stock was benchmarked in 2024 (ICES, 2024a)
Working group	Working Group on Widely Distributed Stocks (WGWIDE; ICES 2024b)

Escenarios	Capturas (2025)	F (2025)	SSB (2026)	% cambio SSB*	% cambio Advice**
ICES advice basis					
MSY approach: F = 0	75 545	0.080	887 444	2.1	-
Otros escenarios					
$F = F_{P05} = F_{pa}$	75 545	0.080	887 444	2.1	-
F = 0	0	0	955 123	9.9	-
$SSB_{2026} = MSY B_{trigger} \text{ o } B_{pa}$	188 580	0.22	787 443	-9.4	-

CONSEJO DE ICES

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock en 2025 no debe superar las:

75 545 t

Consejo ICES 2024

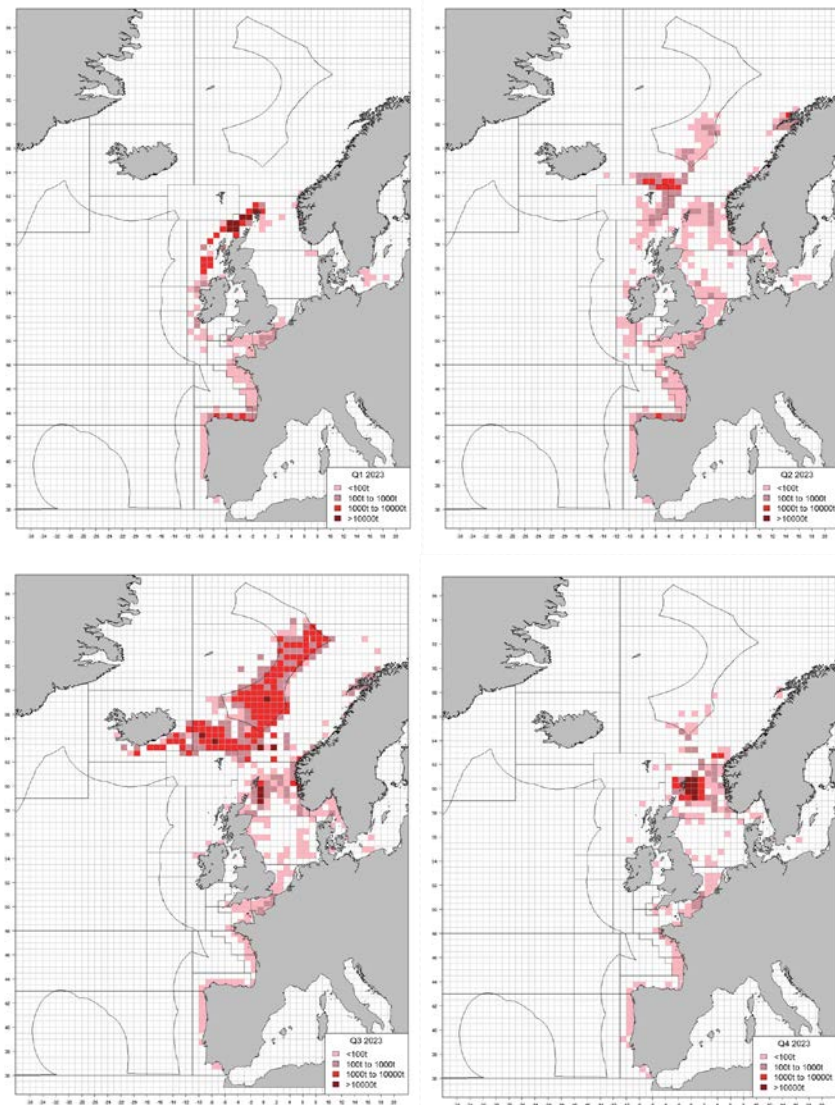
0 t

* SSB (2026) relative to SSB (2025).

** Advice value for 2025 relative to advice value for 2024 0 tons



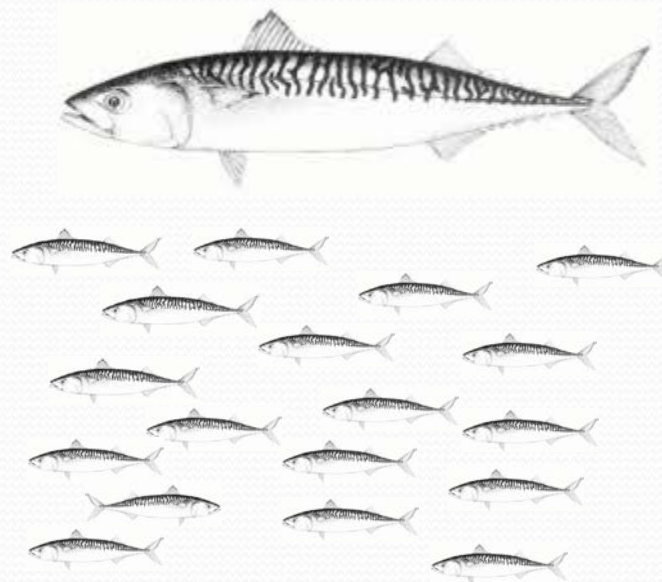
Capturas 2023



Caballa

Consejo 2024 para 2025

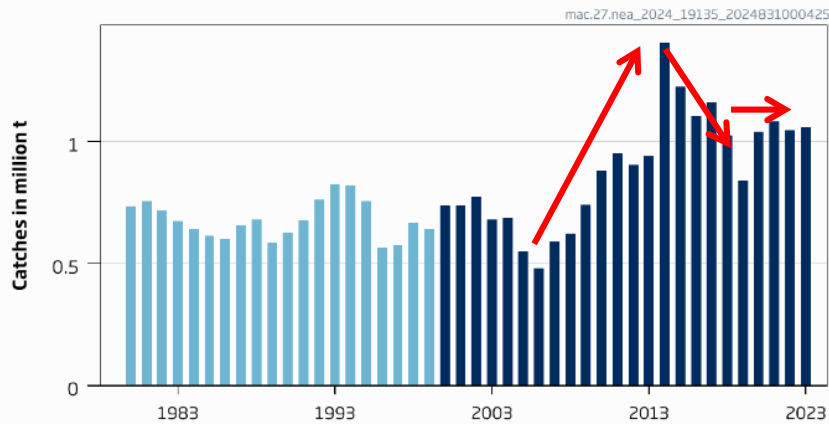
(*Scomber scombrus*)



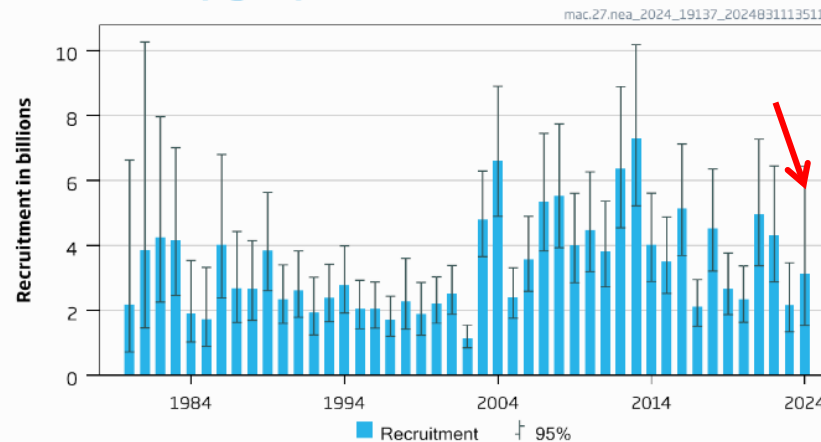
mac nea

ESTADO Y EVOLUCION DEL STOCK
Capturas crecen de 2006 a 2014 y luego bajan

Catches



Recruitment (age 2)



ICES stock data category	1 (ICES, 2023)
Assessment type	Age-based analytical model (SAM)*
Input data	Catch data, steel tagging data ([L3182] 1980–2006) and RFID tagging data ([L5543] 2014–2023), and three survey indices: SSB index from the triennial egg survey ([I4189] 1992–2022), abundance indices from the IBTS survey (G1022, G1179, G3239, G4299, G4493, G4748, G4815, G7212 and G9527) (combined Q1 and Q4; age 0, 1998–2020, 2022–2023), and from the IESSNS survey ([A7806] ages 3–11, prior to 2000 are given a very low weight in the assessment. Natural mortality (M) is based on tagging studies. Campañas IBTS (1992–2022) is based on catch information. Campañas AEPM (1992–2022) is time varying and is based on catch information.
Discards	Discarding is known to take place (0.3% of the total catch in weight in 2023) but is only quantified for part of the fisheries; the proportion of the landings covered cannot be calculated. Partial discard estimates are included in the assessment and overall discarding in recent years is assumed negligible.
Indicators	None
Other information	Interbenchmarked in 2019 (IBPNEAMac; ICES, 2019), a long-term management strategy evaluation was conducted in 2020 (WKMSEMAC; ICES 2020)
Working group	Working Group on Widely Distributed Stocks (WGWISE; ICES 2024)

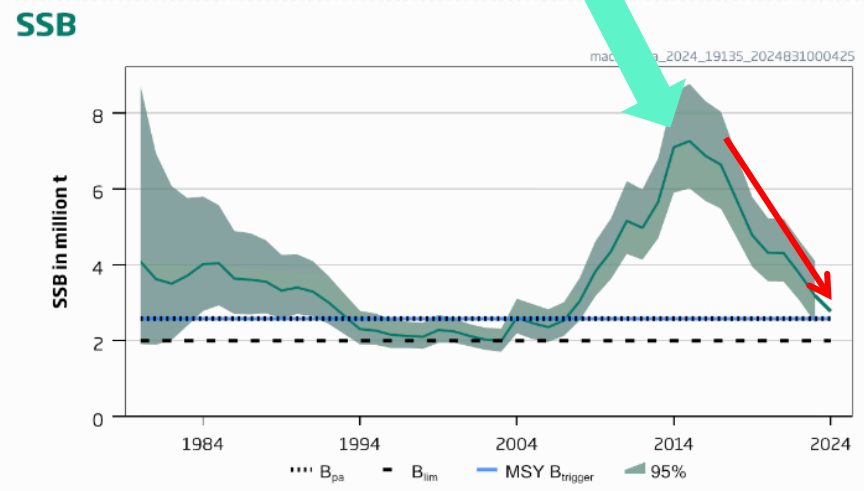
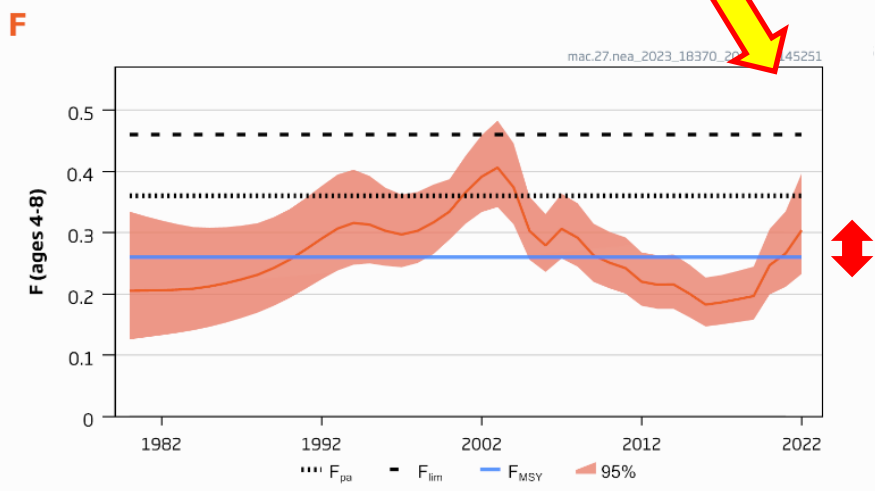
mac-nea

ESTADO Y EVOLUCION DEL STOCK

$F \gg F_{MSY}$ de 1990 a 2010 y por encima en 2022-23

PR pesqueros **por encima** del F_{RMS}

PR biológicos **SUPERIORES** a niveles de biomasa precautorios y RMS pero bajando.





mac-nea

CONSEJO DE ICES

Basis	Total catch	F _{ages 4-8}	SSB at spawning time		% change		
	2025	2025-2026	2025	2026	SSB*	Catch**	Advice***
ICES advice basis							
MSY approach: $F = F_{MSY}$	576958	0.26	2610364	2718914	4.2%	-40%	-22%
Other scenarios							
$F = 0$	0	0	2707211	3262198	21%	-100%	-100%
$Catch_{2025} = catch_{2024} - 20\%$	763290	0.36	2575293	2550243	-0.97%	-20%	3.2%
$Catch_{2025} = catch_{2024}$	954112	0.47	2537030	2381168	-6.1%	0%	29%
$Catch_{2025} = catch_{2024} + 25\%$	1192640	0.62	2485343	2175259	-12.5%	25%	61%
$F = F_{2024}$	852783	0.41	2557662	2470479	-3.4%	-10.6%	15.3%
F_{pa}	767622	0.36	2574451	2546363	-1.09%	-20%	3.8%
F_{lim}	943352	0.46	2539256	2390601	-5.9%	-1.13%	28%
$SSB_{2026} = B_{lim}^{\wedge}$	1400600	0.77	2436177	2000886	-17.9%	47%	89%
$SSB_{2026} = B_{pa}^{\wedge}$	730730	0.34	2581576	2579466	-0.082%	-23%	-1.17%

ICES aconseja que aplicando el **ENFOQUE del RMS** la captura de este stock no debe superar **576 958 t**


* SSB 2026 relative to SSB 2025.

** Catch in 2025 relative to estimated catches in 2024 (954 112 tonnes). There is no internationally agreed TAC for 2024.

*** Advice value for 2025 relative to the advice value for 2024 (739 386 tonnes).

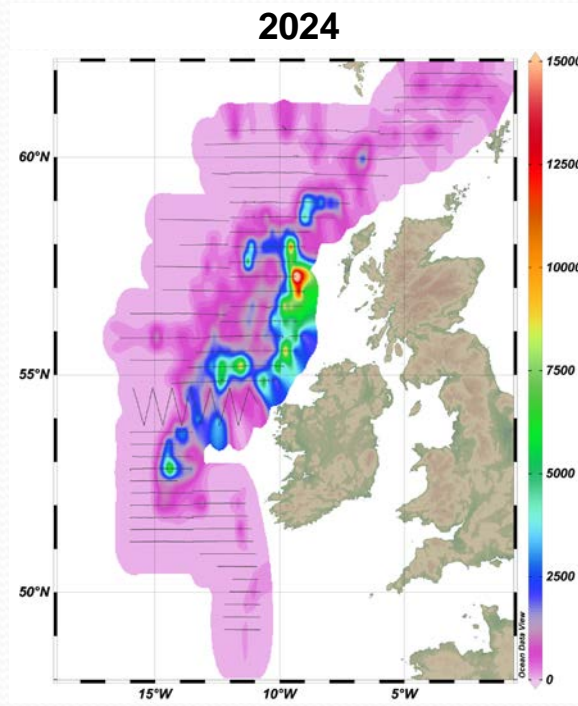
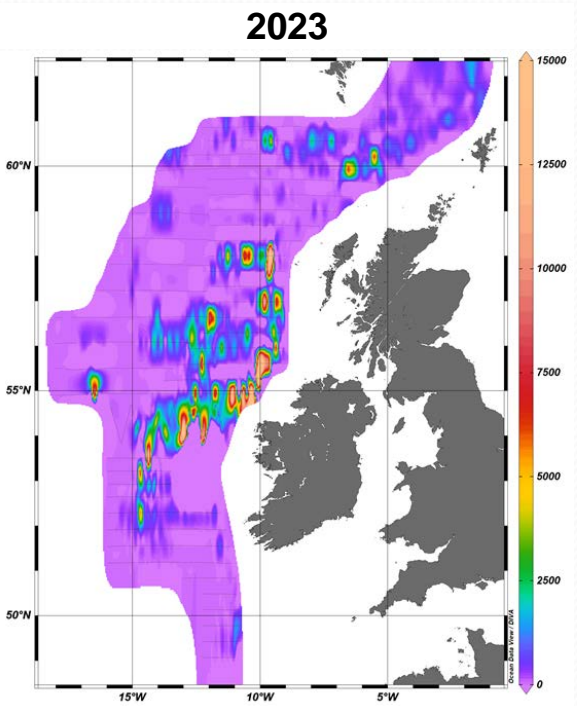
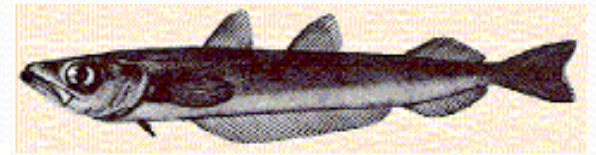
Consejo ICES 2024

739 386 t

 **-22%** debido la disminución y revisión a la baja del tamaño del stock

Resultados campaña de primavera (IBSSW)

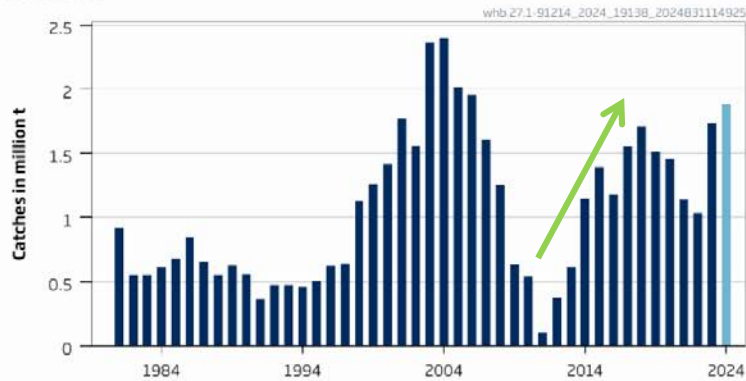
Bacaladilla Consejo 2024 para 2025 (*Micromesistius poutassou*)



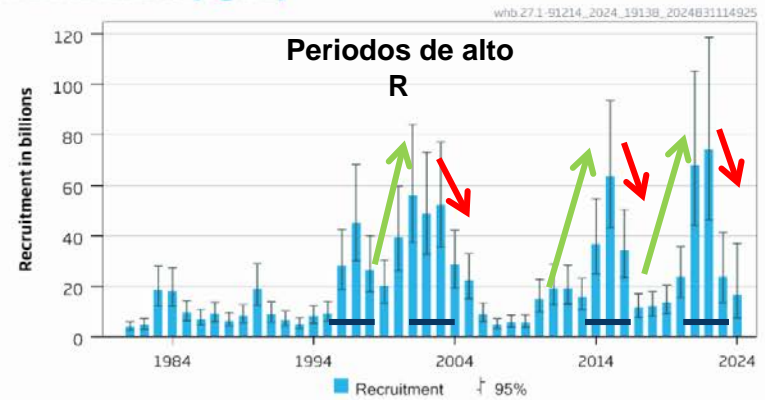
**Concentración del
stock reproductor
hacia el centro-este**

whb comb

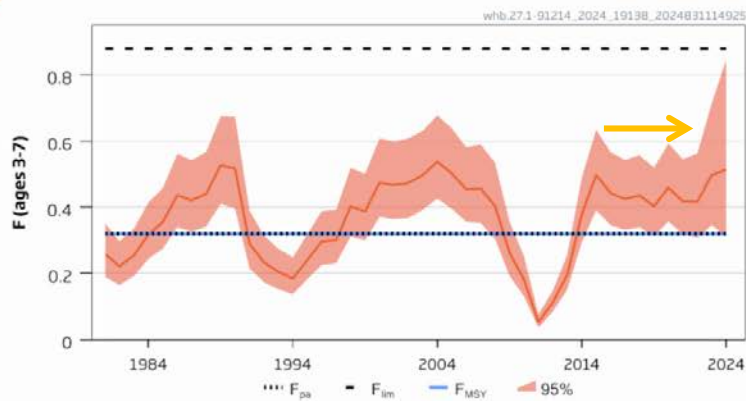
Catches



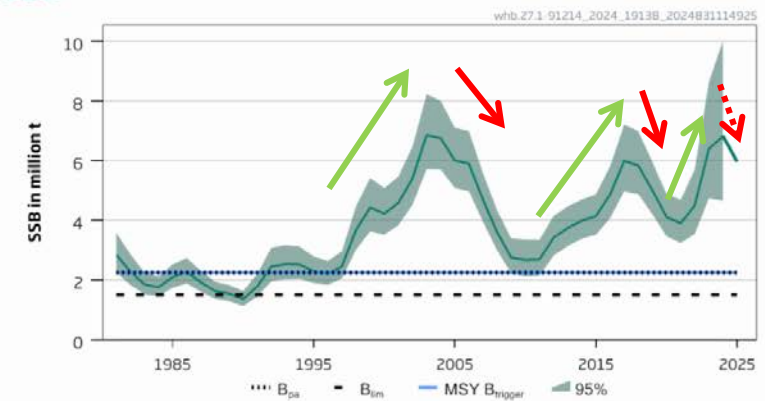
Recruitment (age 1)



F



SSB



whb-comb

ESTADO Y EVOLUCION DEL STOCK

Capturas crecen tras 2011, $F \gg F_{MSY}$

- Revisión sustancial del R de 2022 (68.9 mill. frente a los 43.2 mill. estimados el año pasado).
- En los próximos años la pesquería va a depender de las cohortes de 2020 y 2021 prácticamente en su totalidad.
- Si el ciclo habitual se mantiene, es esperable una caída grande tras este pico de R que podría dar lugar a una caída súbita de la SSB.
- Capturas > TAC desde 2018 (no se ha considerado en el *advice*, pero lo compromete si se mantiene esta práctica de cuotas unilaterales).



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CONSEJO DE ICES

ICES aconseja que aplicando el **plan de gestión a largo plazo** de la UE, Noruega, Islas Feroe, Islandia y UK las capturas de este stock no deben superar las

1 447 054 t

En 2025  **-5.4% (Advice 2024)**

Consejo 2024 para bacaladilla

Advice 2024

1 529 754 t

Catch 2024

1 881 076 t
(+23%)