

Plaice and sole Eastern English Channel stock assessment

Évaluation des stocks de plie et sole de Manche Orientale

(ICES, 2024)

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NWWAC - WG3 Channel / CCEOS - GT3 Manche

10/03/2025

01.

Plaice 7d stock assessment

*Évaluation du stock
de plie de 7d*



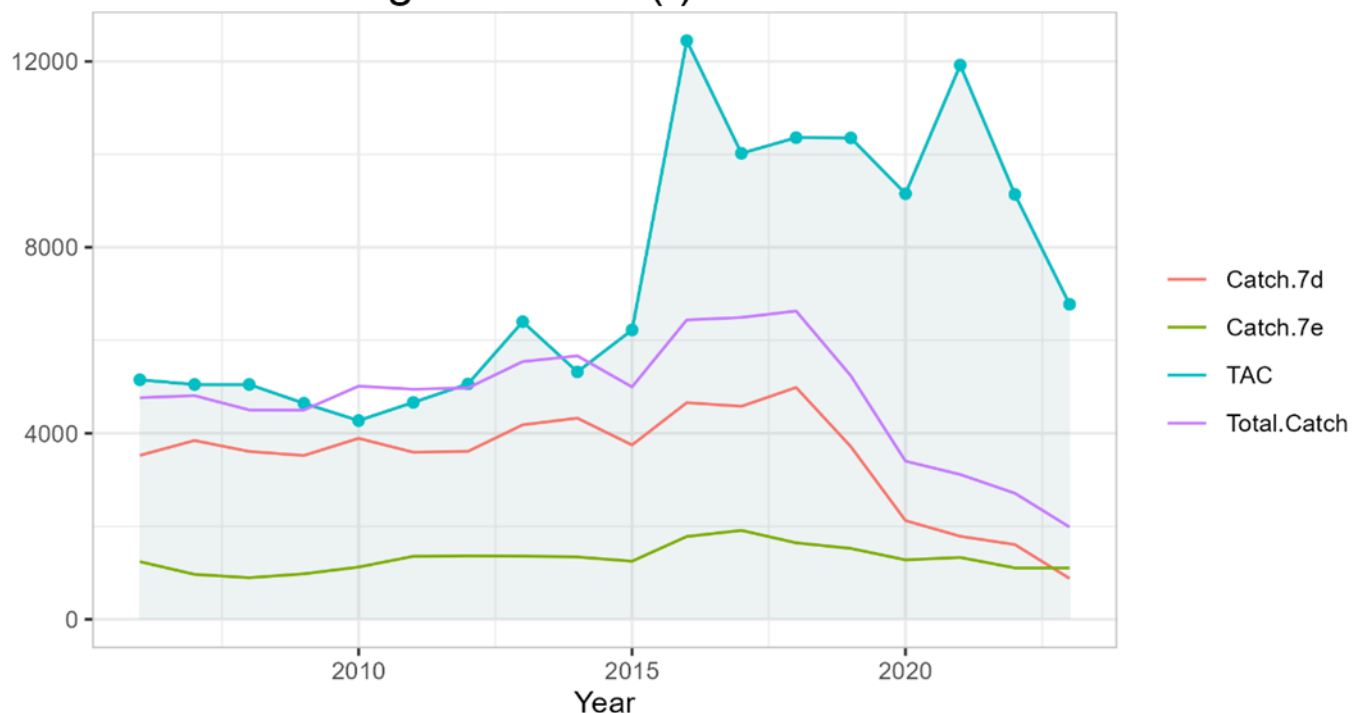
Dugornay Olivier (2012)

Catch statistics – Official landing

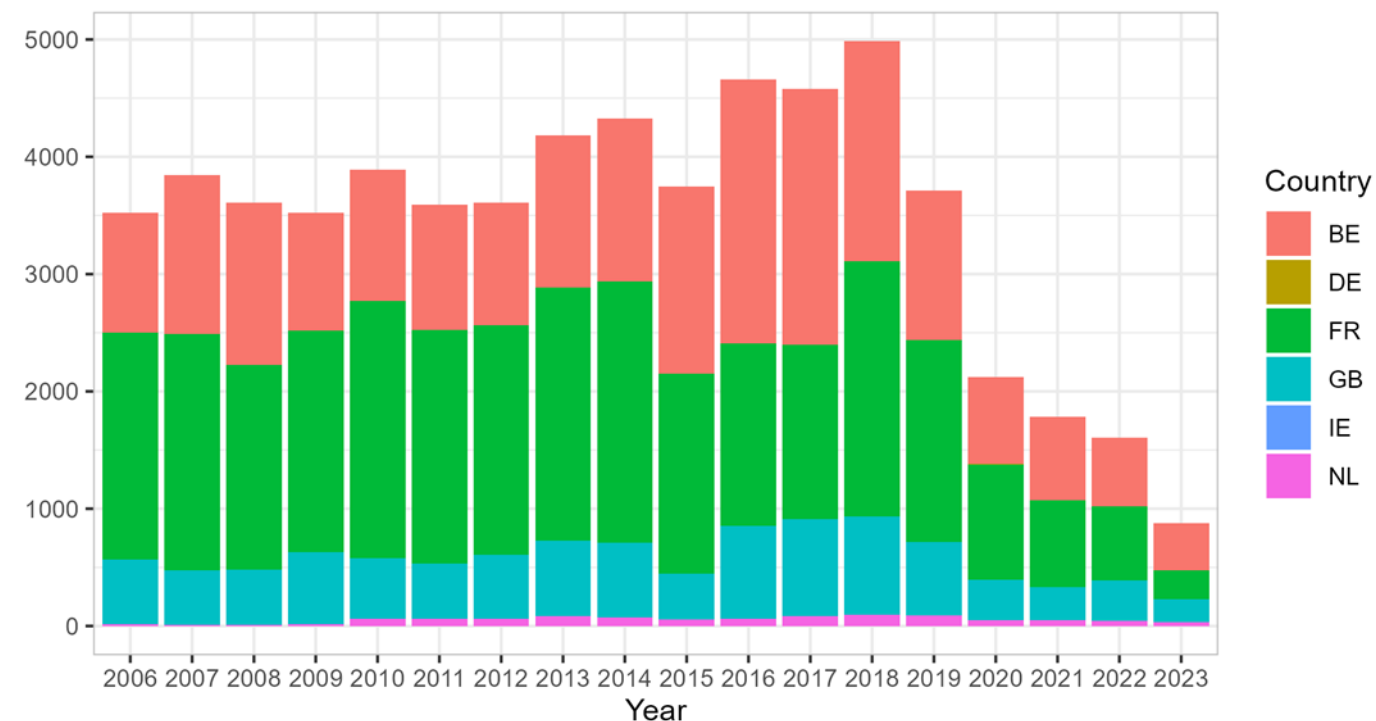
Statistiques de capture – Débarquements officiels



Official landings and TAC (t)



Official landings by country in 7d (t)

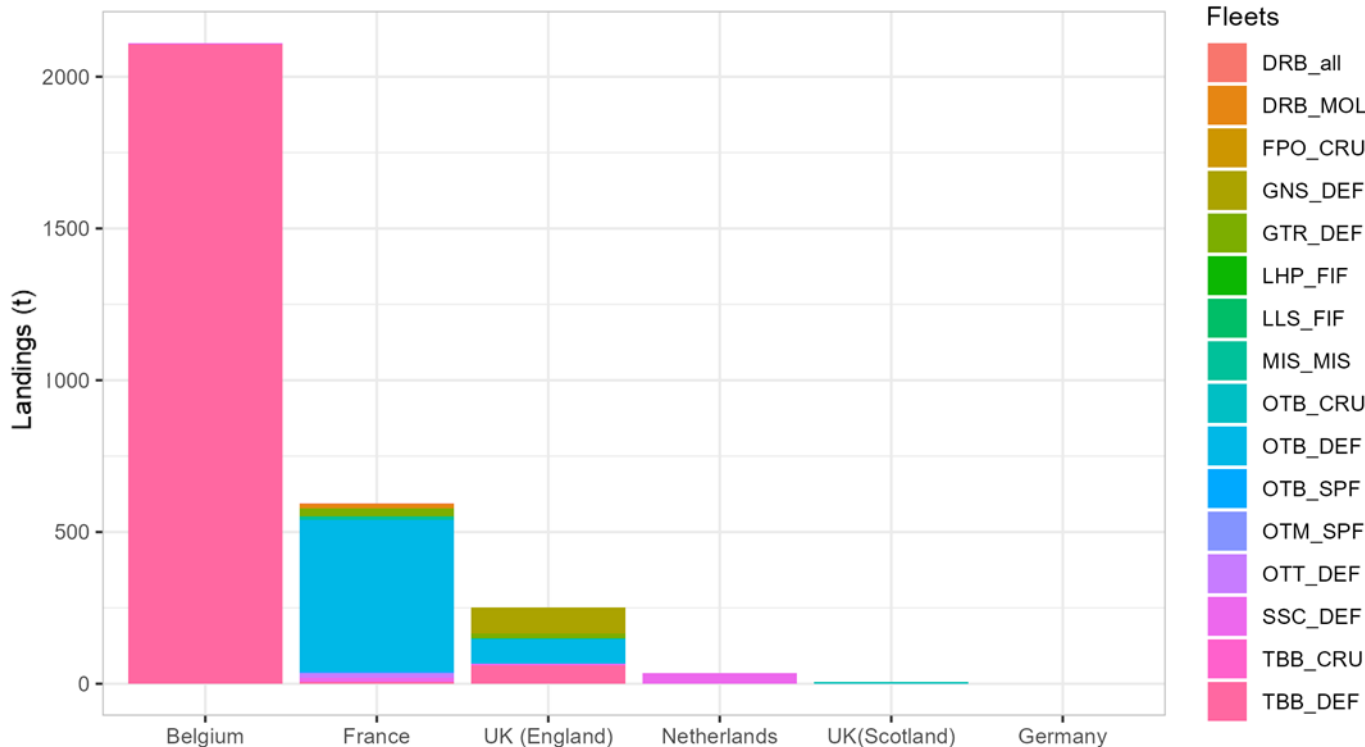


ICES Catch submission – 2023

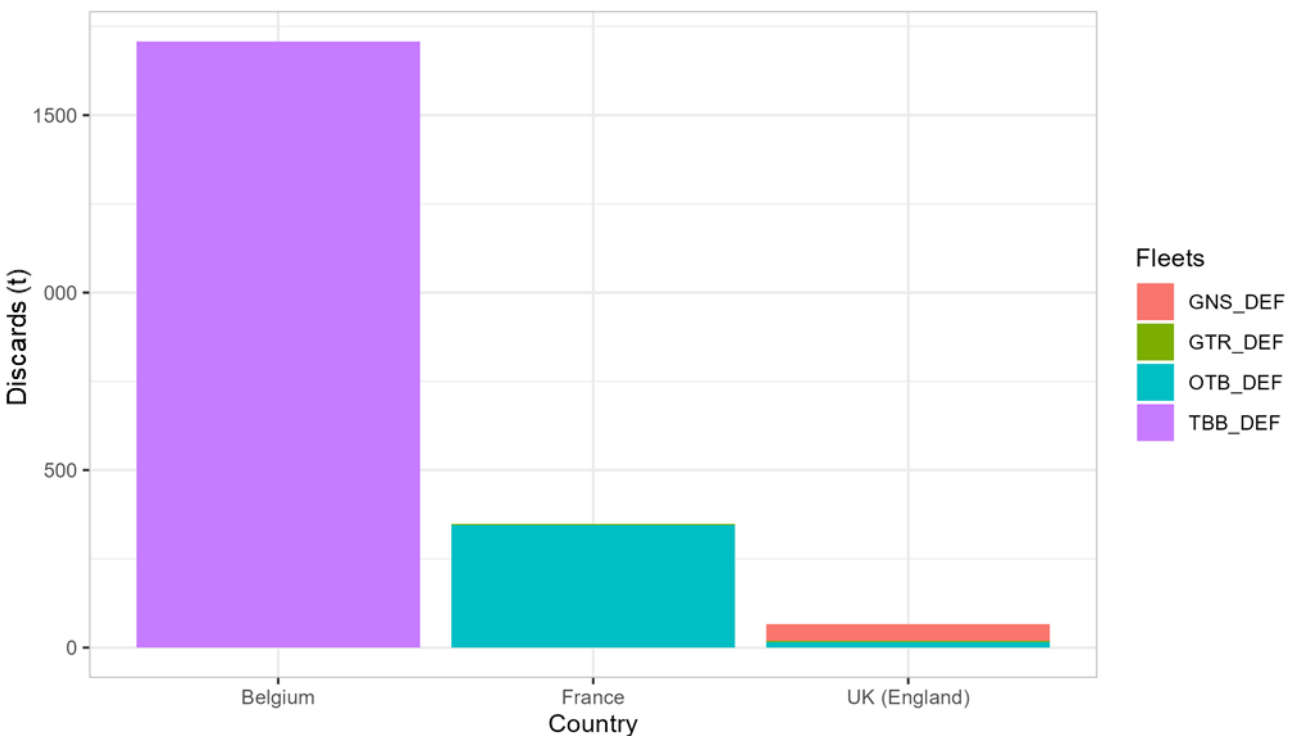
Captures soumises au CIEM – 2023



Landings by country and fleet 2023



Discards by country and fleet 2023



Missing discard information is estimated from observe landing/discard ratio per group of fleet

Les rejets manquants sont estimés à partir des ratios observés de débarquement/rejet par regroupement de flottilles

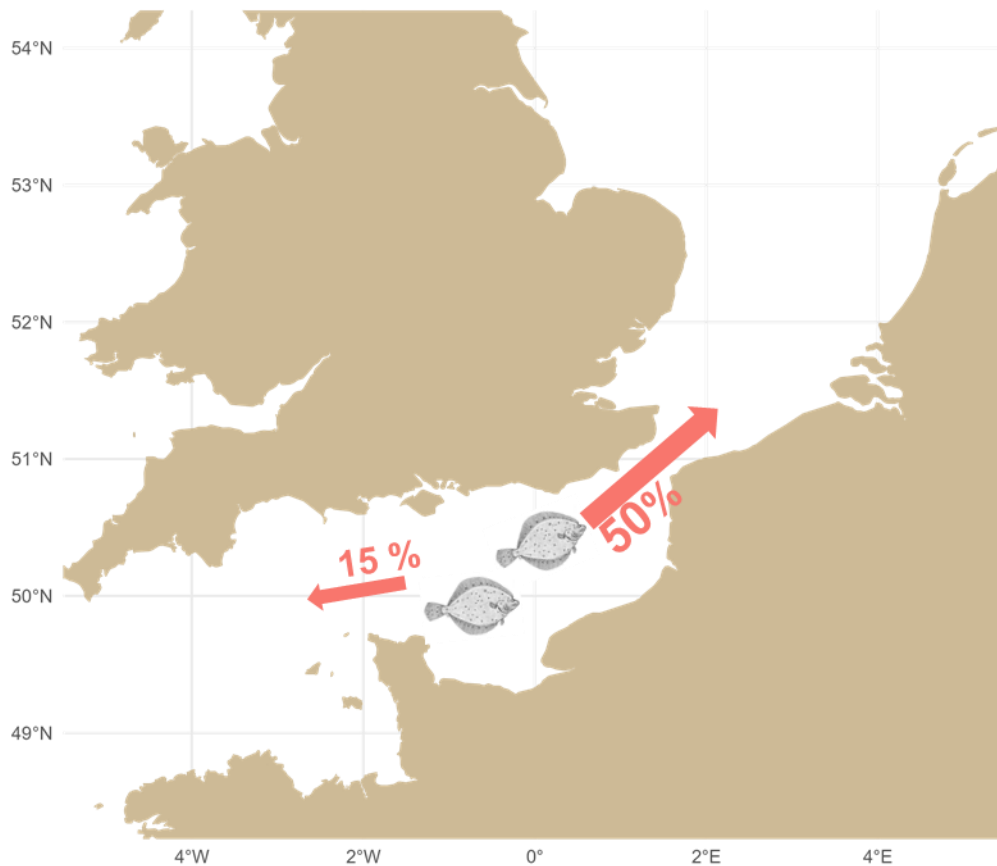


ICES Catch estimate – Spawning Migration

Estimation de capture CIEM – Migration de reproduction



Q1 Catch reallocation



65% of the catch from Q1 assumed from neighbouring stocks (mature individuals)

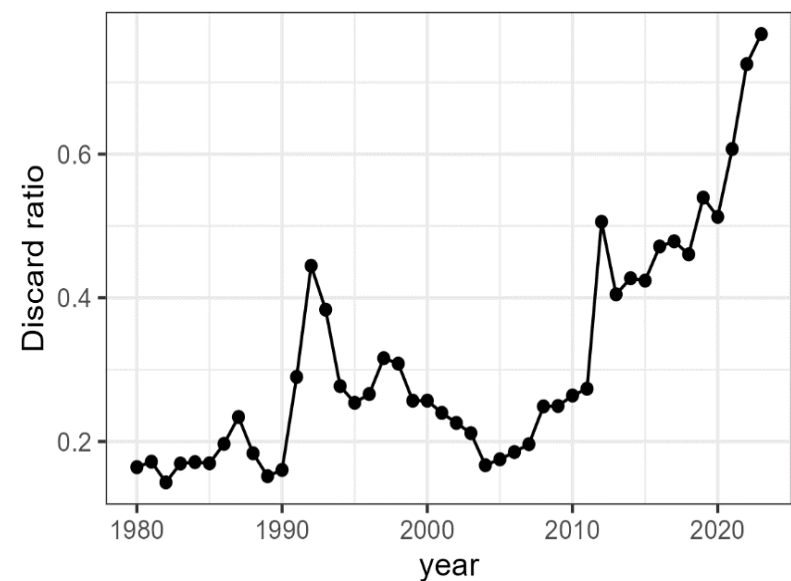
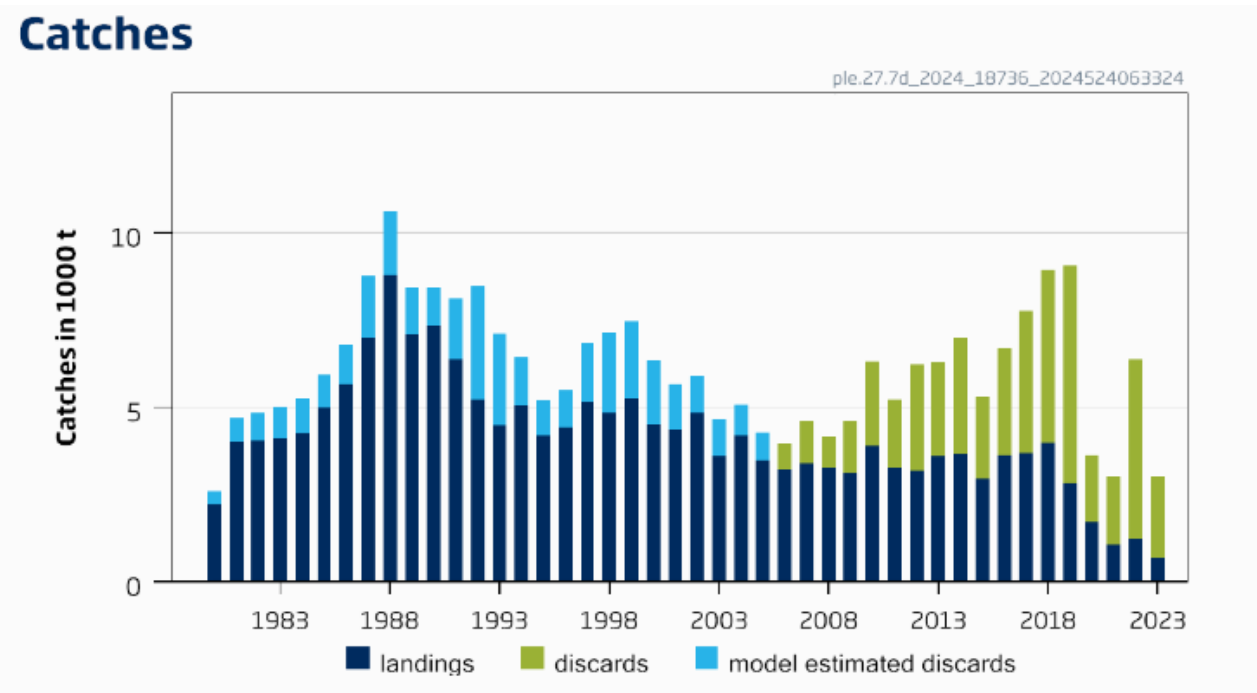
- 50% are assumed to belong to the North Sea stock (ple.27.420)
- 15% are assumed to belong to the Western English Channel stock (ple.27.7e)

65% des captures du T1 assumées de venir de stocks voisins (individus matures)

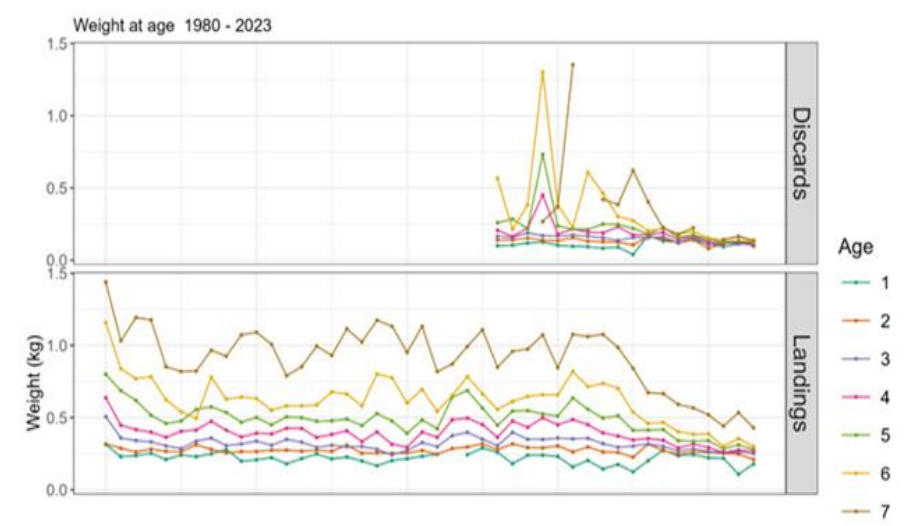
- 50% appartiennent au stock Mer du Nord (ple.27.420)
- 15% appartiennent au stock Manche Occidentale (ple.27.7e)



ICES Catch Capture CIEM



Dugornay Olivier (2012)



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Survey index: Q3 UK BTS & Q4 FR CGFS

Indices de campagnes : T3 UK BTS & T4 FR CGFS



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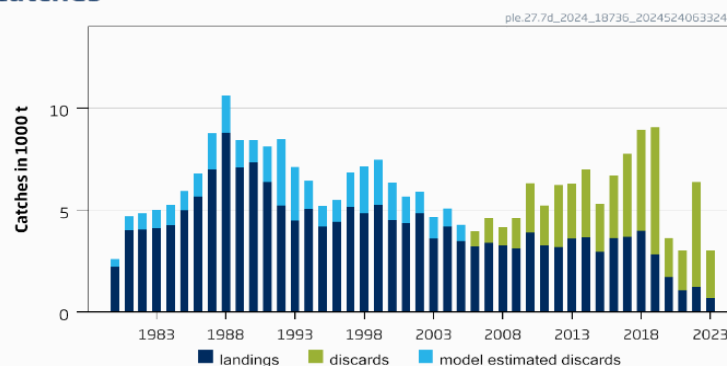
Sole and plaice Eastern English Channel stock assessment
/ Evaluation des stocks de sole et plie de Manche Orientale

ICES assessment summary – catch advice

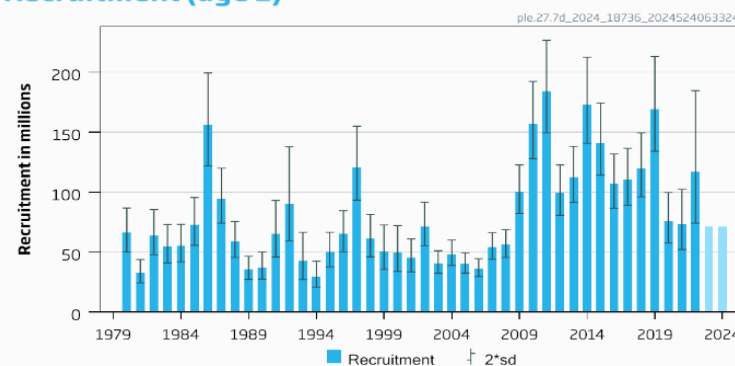
Résumé de l'évaluation de stock du CIEM – avis d'opportunité de captures



Catches



Recruitment (age 1)

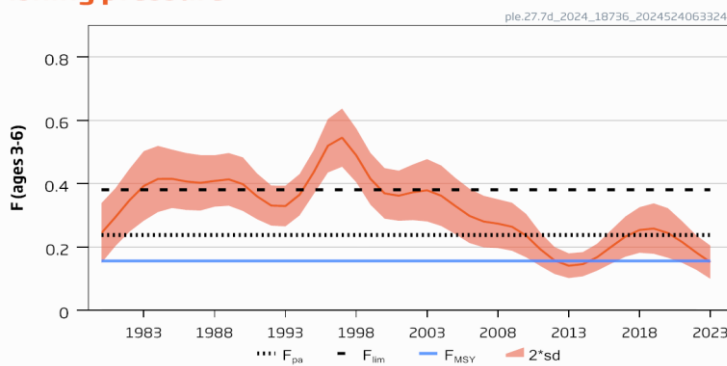


Assuming average recruitment and same fishing pressure in 2024 as in 2023:

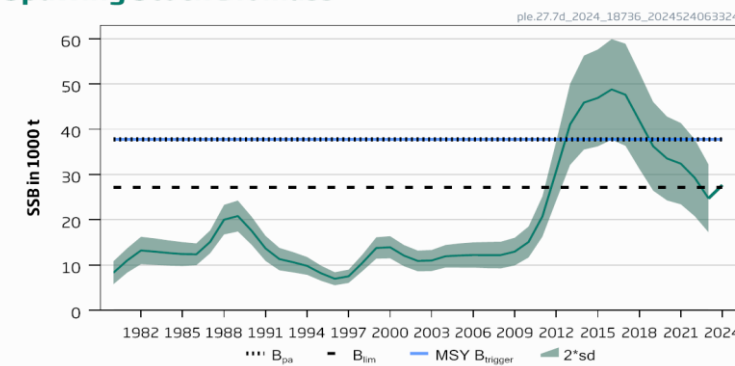
Catch advice in 2025 + 9.8% (2 600 tons)

Incoming 2021 year class and change selectivity patterns for age 1-2.

Fishing pressure



Spawning Stock Biomass



En assumant un recrutement moyen et la même pression de pêche en 2024 qu'en 2023:

Avis d'opportunité de captures en 2025 + 9.8% (2 600 tonnes)

Cohorte de 2021 et modification de la sélectivité sur âges 1-2.



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Ongoing works *Travaux en cours*

Benchmark in February 2025 / *Benchmark en Février 2025:*

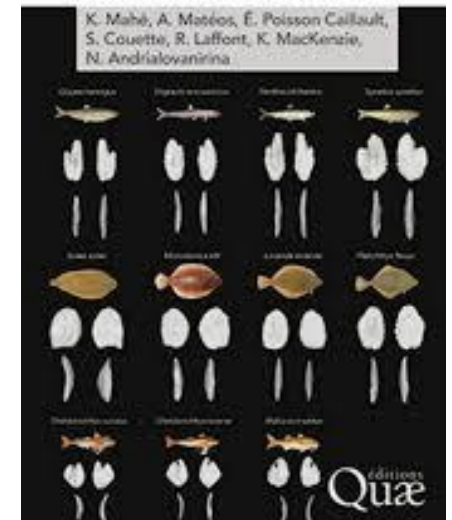
- wait for final ICES approval / *attente de la décision final du CIEM*
- New assessment model, maturity and RPs / *nouveau modèle d'évaluation, maturité et points de référence*

Stock identification and migration based on otolithes / *Identification du stock et migration basé sur les otolithes*



Dugornay Olivier (2012)

Guide
Identification des poissons
par leurs otolithes en 3D
Manche et mer du Nord



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Sole and plaice Eastern English Channel stock assessment
Evaluation des stocks de sole et plie de Manche Orientale

02.

Sole 7d stock assessment

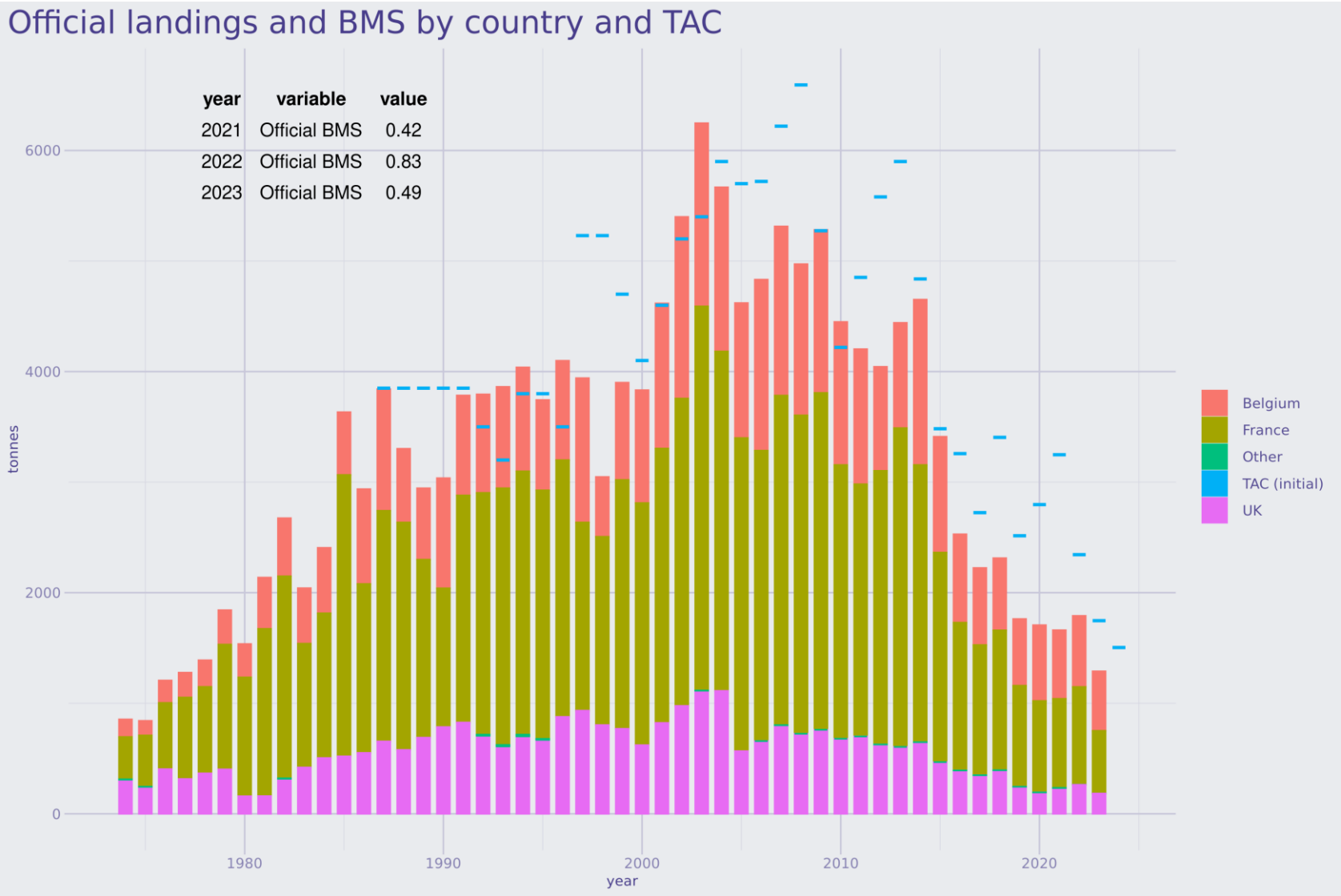
Évaluation du stock de sole de 7d



Dugornay Olivier (2012)

Catch statistics – Official landing

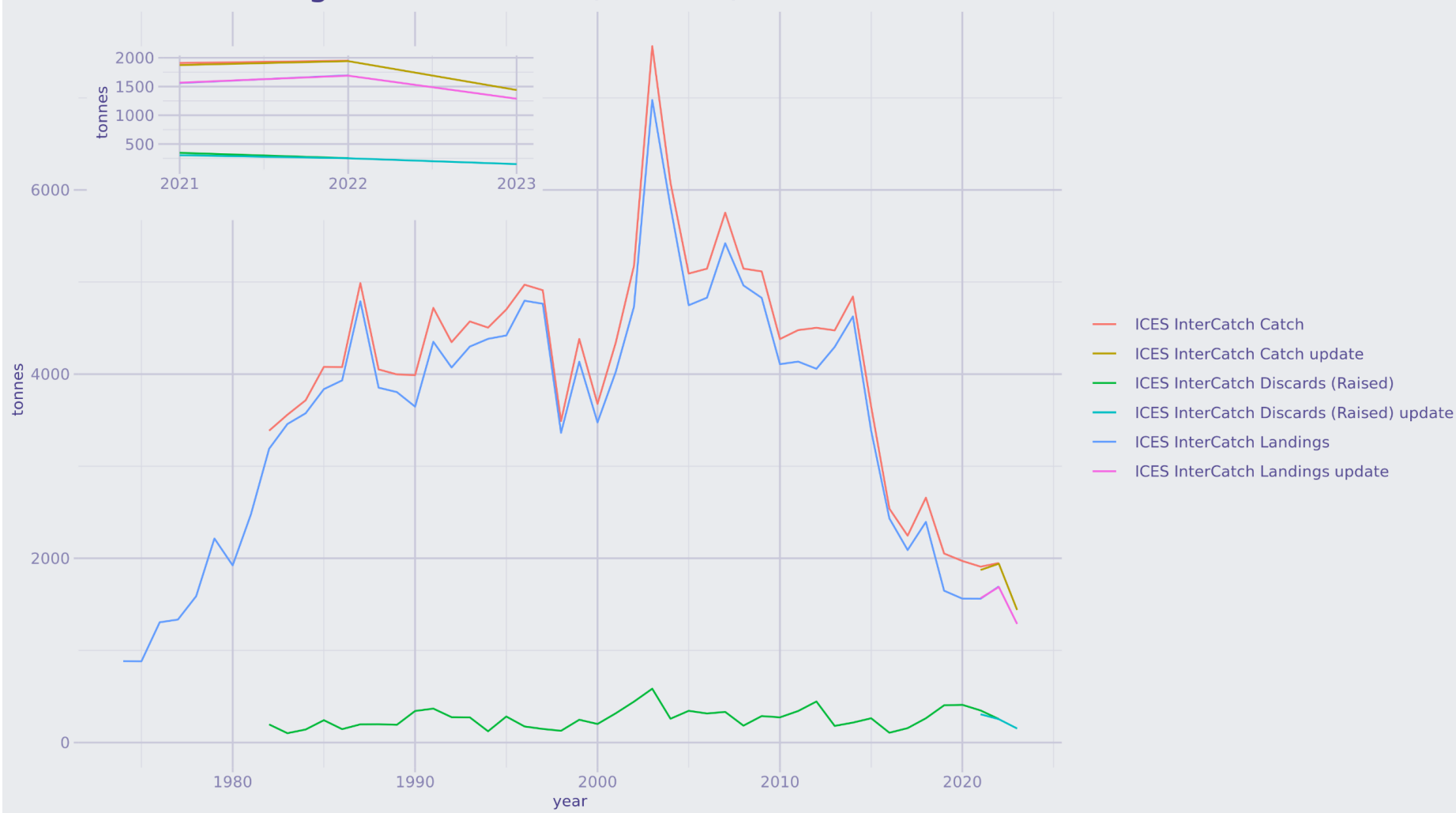
Statistiques de capture – Débarquements officiels



ICES Catch Captures CIEM



InterCatch landings and discards (no BMS)



Missing discard information is estimated from observed landing/discard ratio per group of fleet

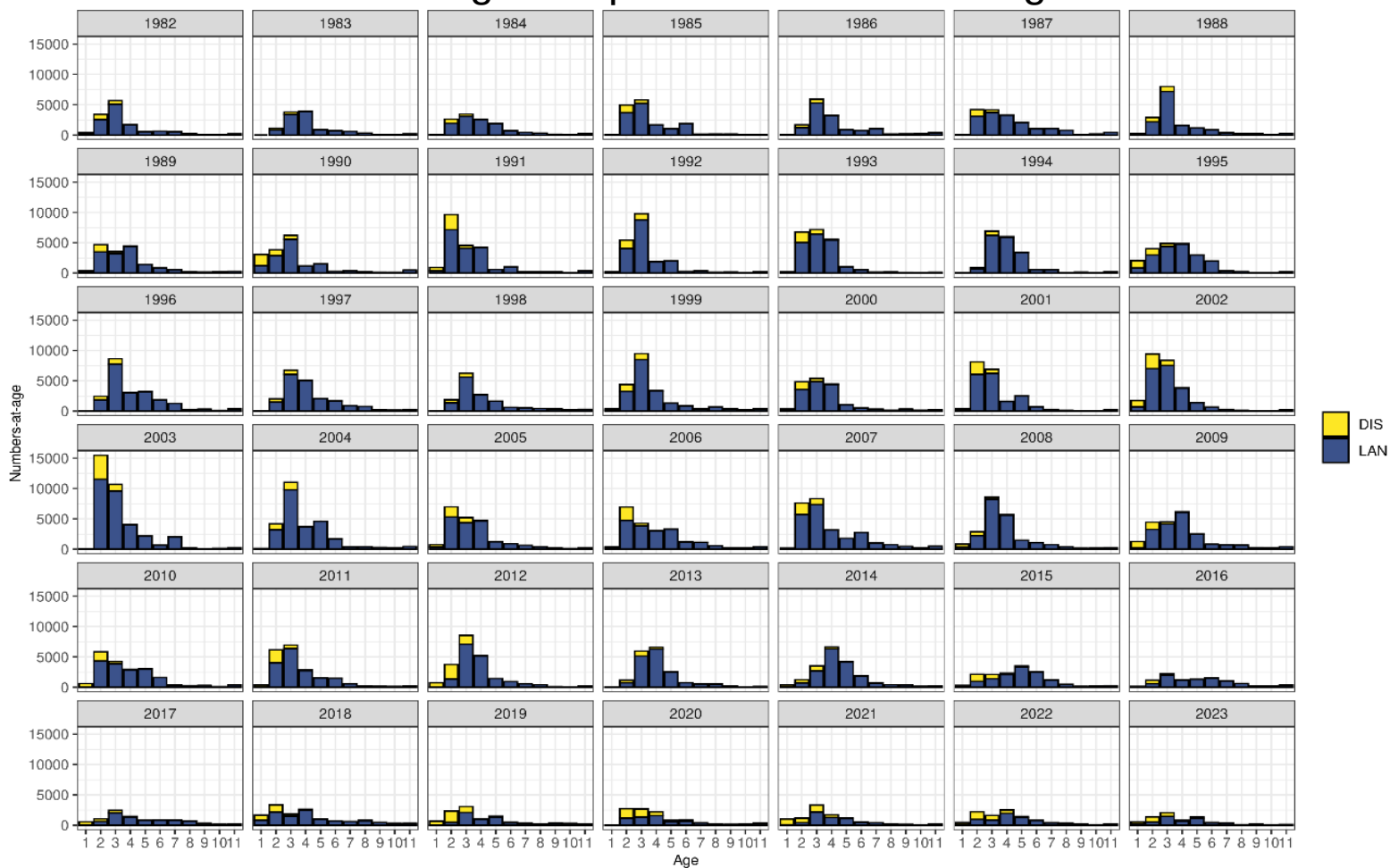
Les rejets manquants sont estimés à partir des ratios observés de débarquement/rejet par regroupement de flottilles



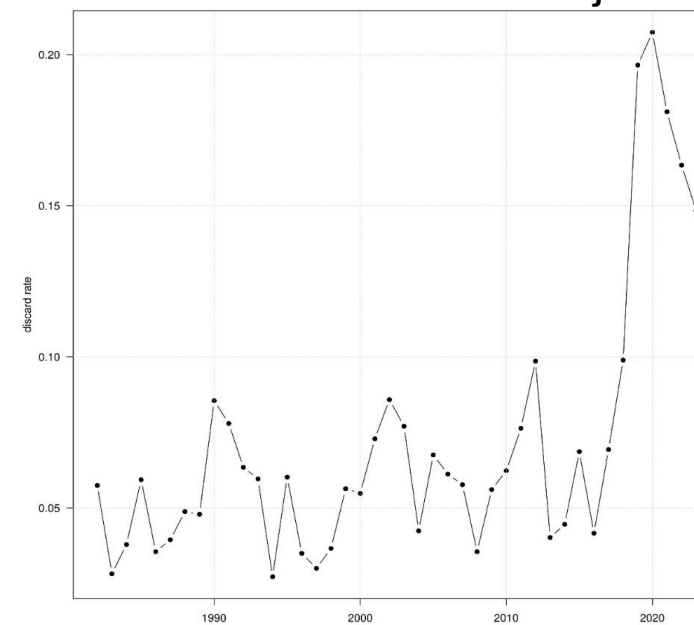
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ICES Catch Captures CIEM

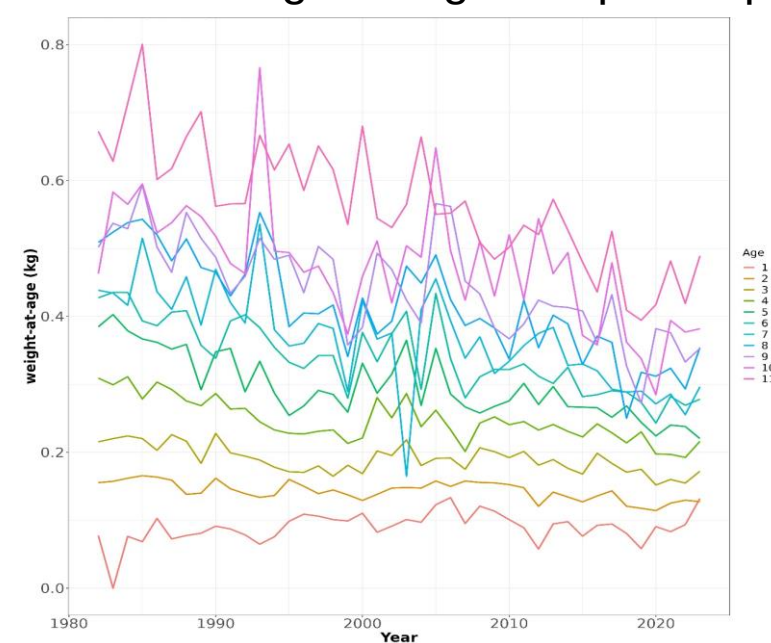
Catch numbers at age / Captures nombres aux âges



Discard rate / Taux de rejets



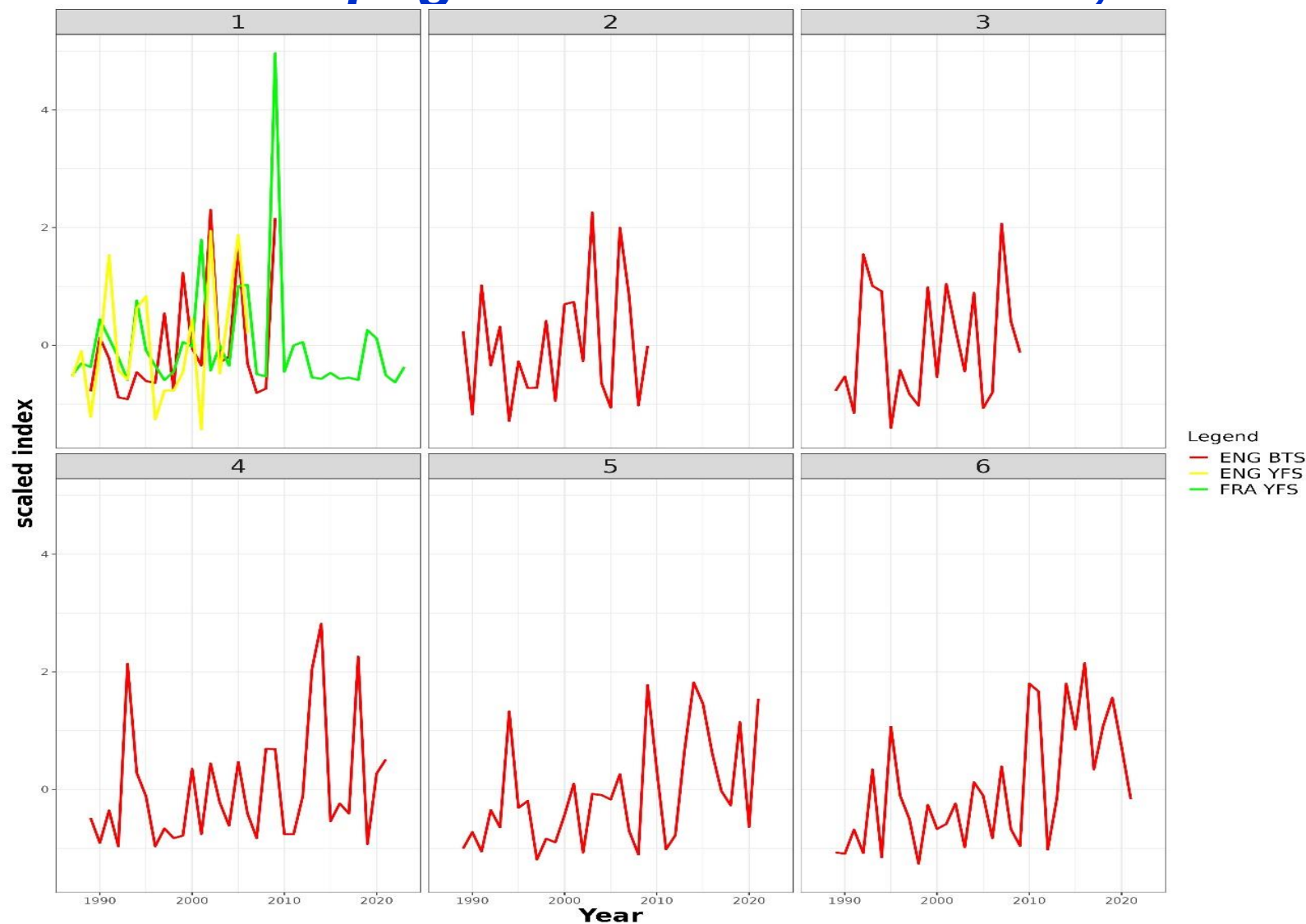
Catch weight at age / Captures poids aux âges



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Survey index: Q3 UK BTS & FR, UK YFS

Indices de campagnes : T3 UK BTS & FR, UK YFS



During last benchmark UK-BTS ages 1-3 were remove (lack of cohort tracking)

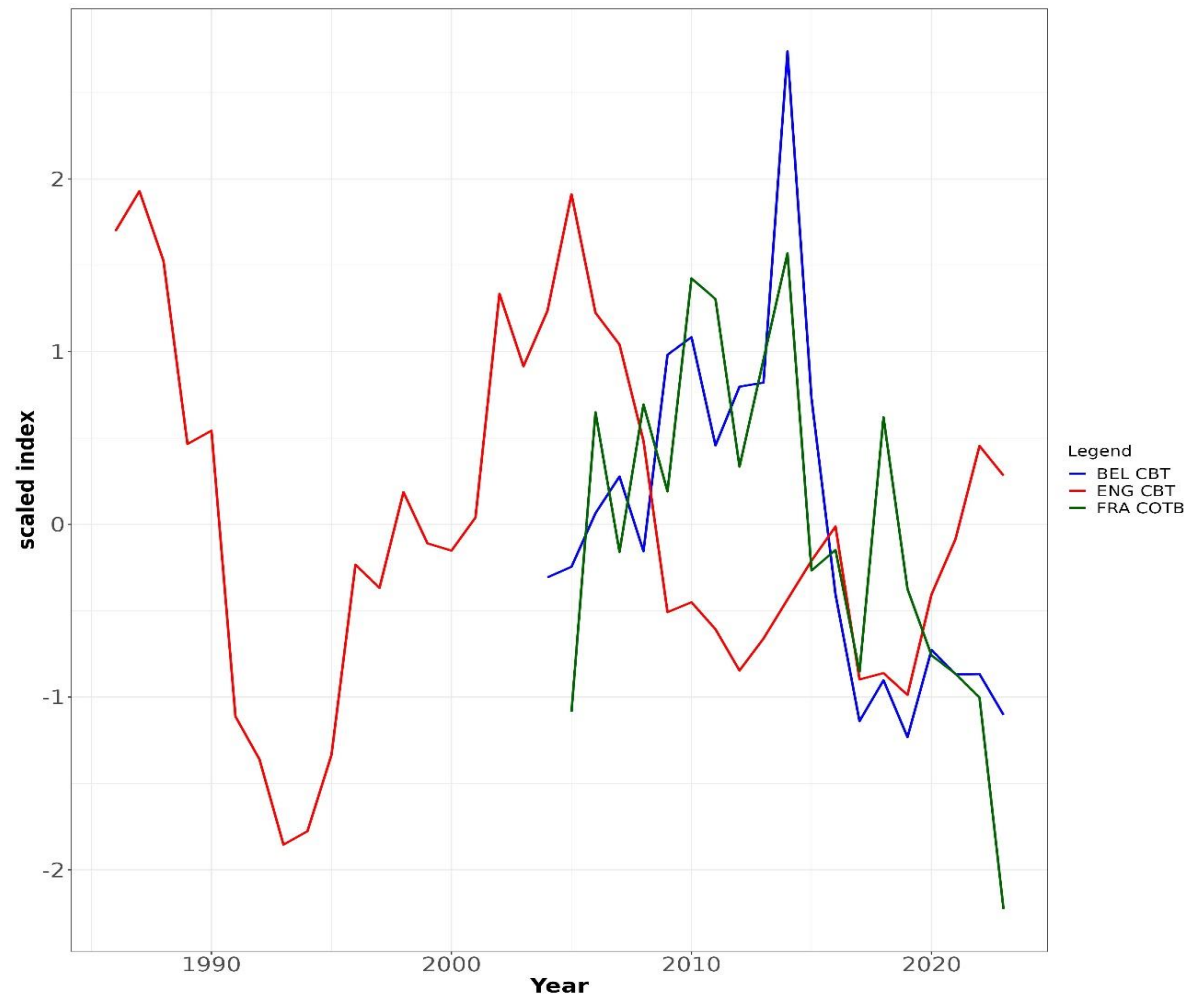
Au cours du dernier benchmark les âges 1-3 de la UK-BTS ont été retirés (faible suivi de cohorte)



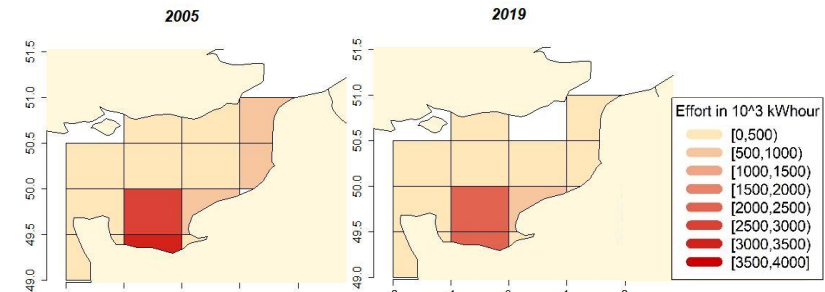
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Commercial index: UK-CBT, BE-CBT & FR-COTB

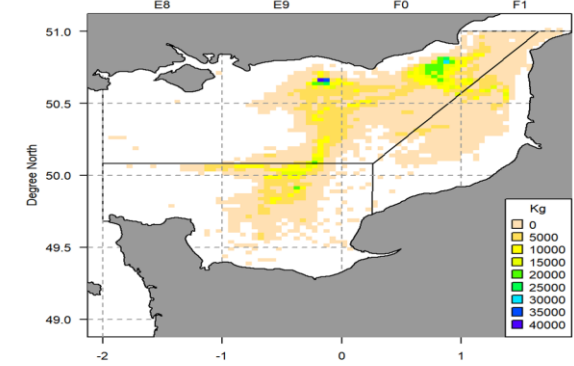
Indices commerciaux: UK-CBT, BE-CBT & FR-COTB



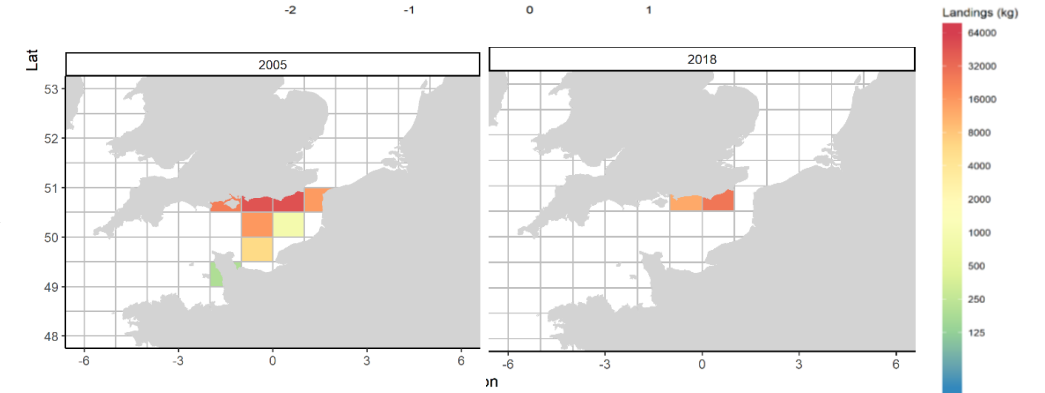
FR



BE
2006-2019



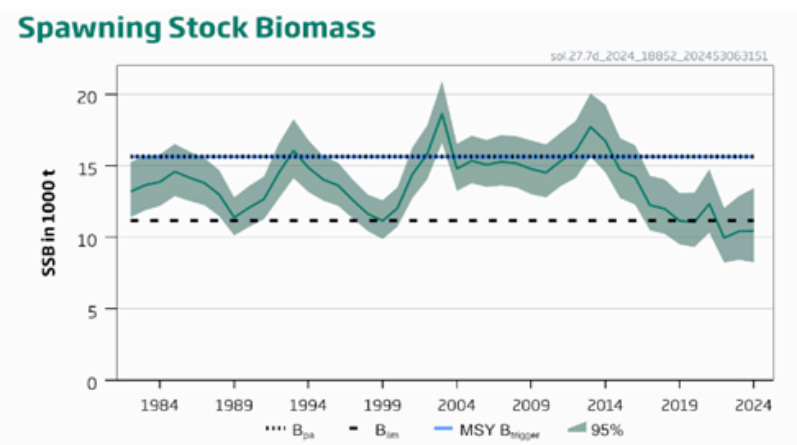
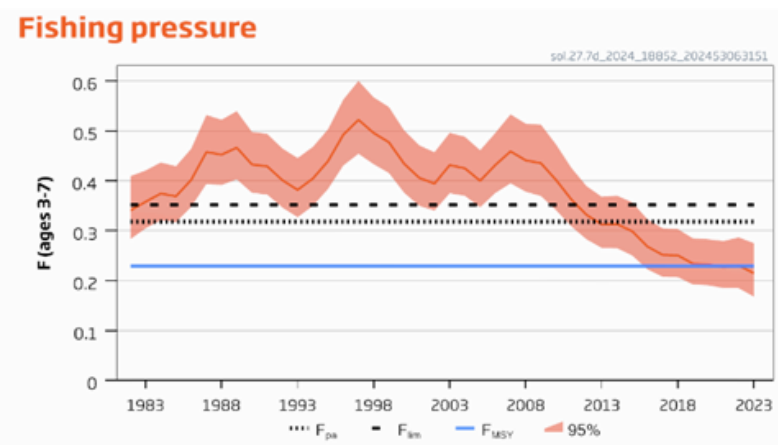
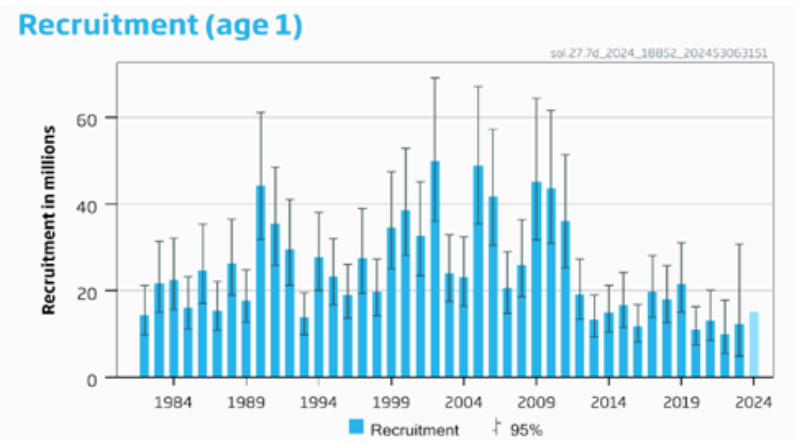
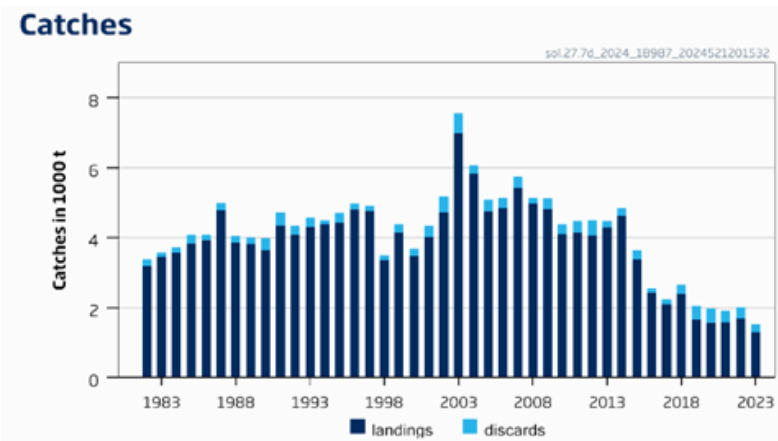
UK



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ICES assessment summary – catch advice

Résumé de l'évaluation de stock du CIEM – avis d'opportunité de captures



Assuming average recruitment from last 10 years and fishing constrained by TAC in 2024:

Catch advice in 2025 - 19.6% (1 209 tons)

Lower stock size, lower expected recruitment in 2023 and target fishing pressure reduced ($<F_{msy}$).

En assumant le recrutement moyen des 10 dernières années et une pêche contrainte par le TAC en 2024:

Avis d'opportunité de captures en 2025 - 19.6% (1209 tonnes)

Taille du stock plus faible, recrutement en 2023 plus faible qu'espéré et une cible de pression de pêche réduite ($<F_{rmd}$)

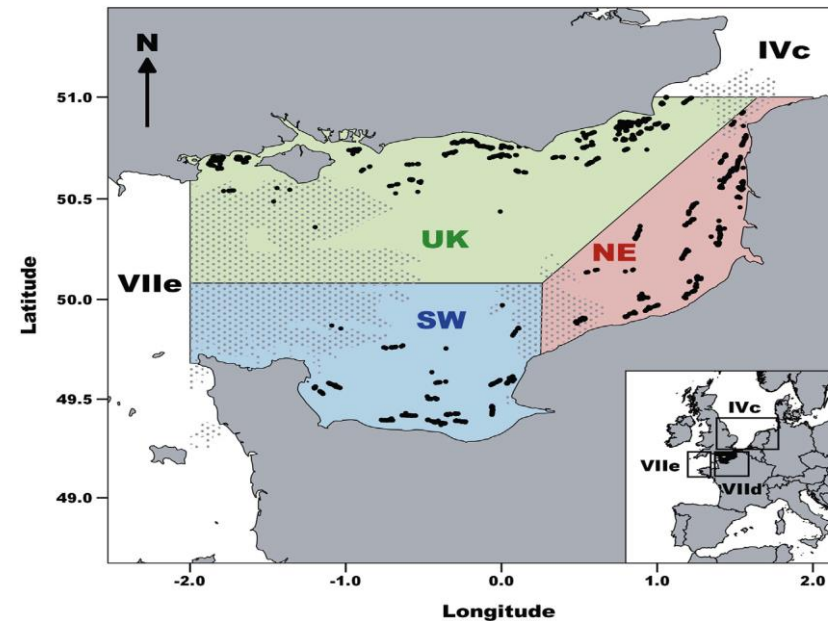


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Past and ongoing works *Travaux passés et en cours*



Low connectivity between 3 sub-populations / *Faible connectivité entre 3 sous-populations* :



Development of new recruitment index? / *Développement d'un nouvel indice de recrutement?*



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Dugornay Olivier (2012)

ICES. 2024. Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak (WGNSSK). ICES Scientific Reports. 6:38. 1659 pp.
<https://doi.org/10.17895/ices.pub.25605639>

Sole 7d stock annex (march 2025) :

[https://ices-library.figshare.com/articles/report/Stock Annex Sole Solea solea in Division 7 d eastern English Channel /18623249?file=33402290](https://ices-library.figshare.com/articles/report/Stock%20Annex%20Sole%20Solea%20solea%20in%20Division%207%20d%20eastern%20English%20Channel%20/18623249?file=33402290)

ICES. 2024. Plaice (*Pleuronectes platessa*) in Division 7.d (eastern English Channel). In Report of the ICES Advisory Committee, 2024. ICES Advice 2024, ple.27.7d.
<https://doi.org/10.17895/ices.advice.25019450>

ICES. 2024. Sole (*Solea solea*) in Division 7.d (eastern English Channel). In Report of the ICES Advisory Committee, 2024. ICES Advice 2024, sol.27.7d.
<https://doi.org/10.17895/ices.advice.25019675>



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