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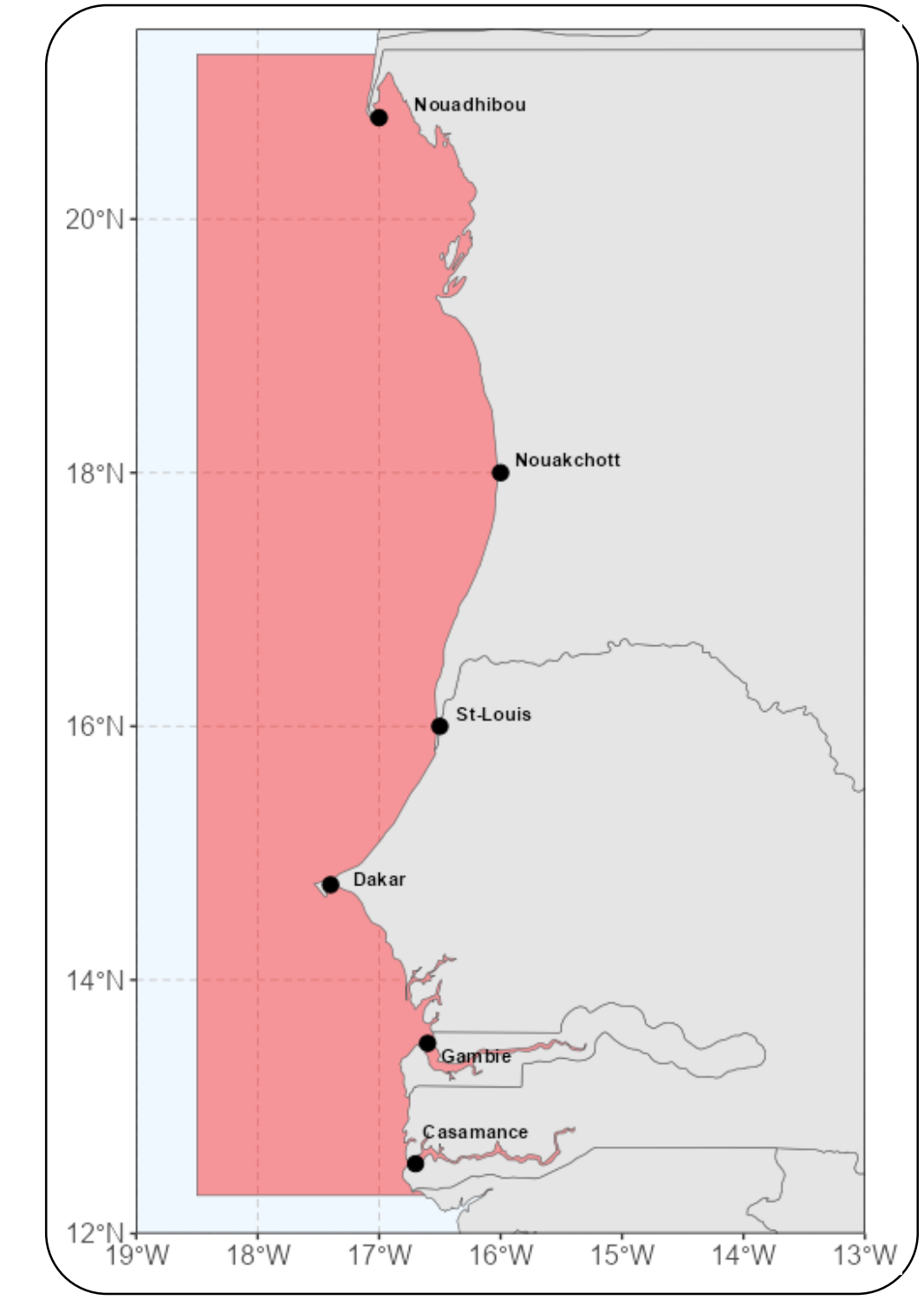
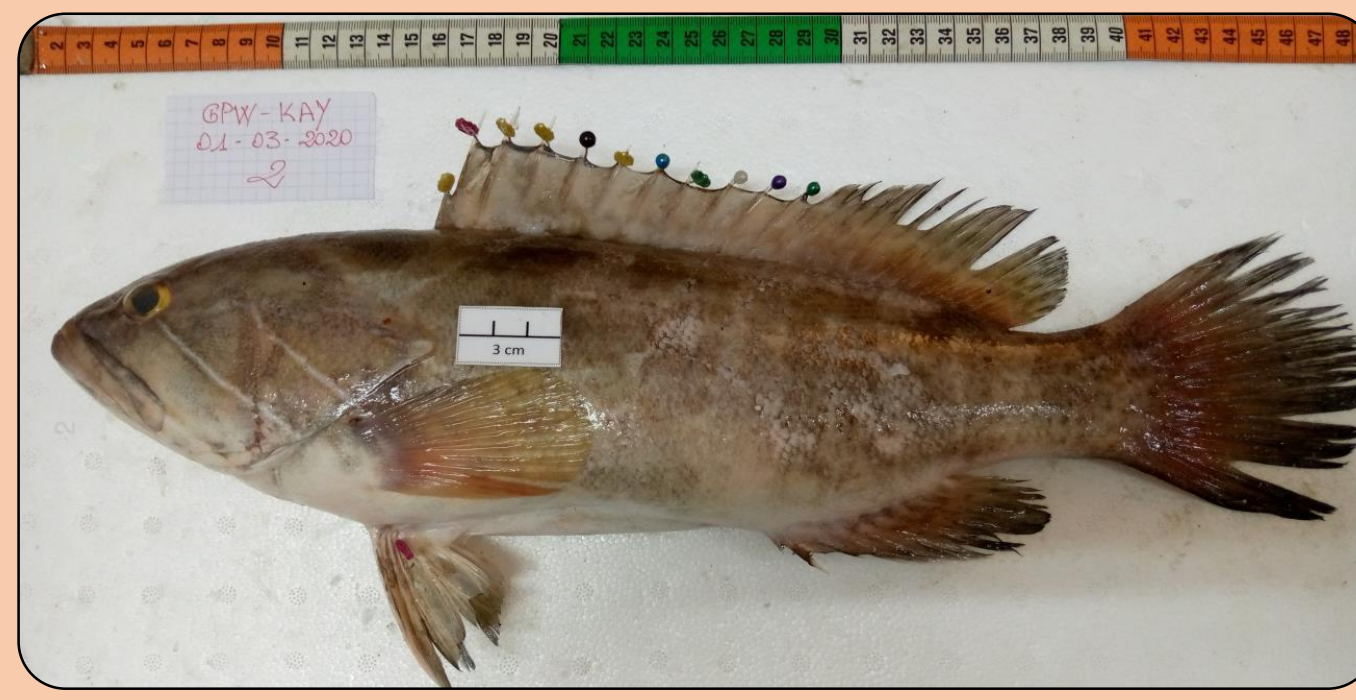
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### 1 Introduction

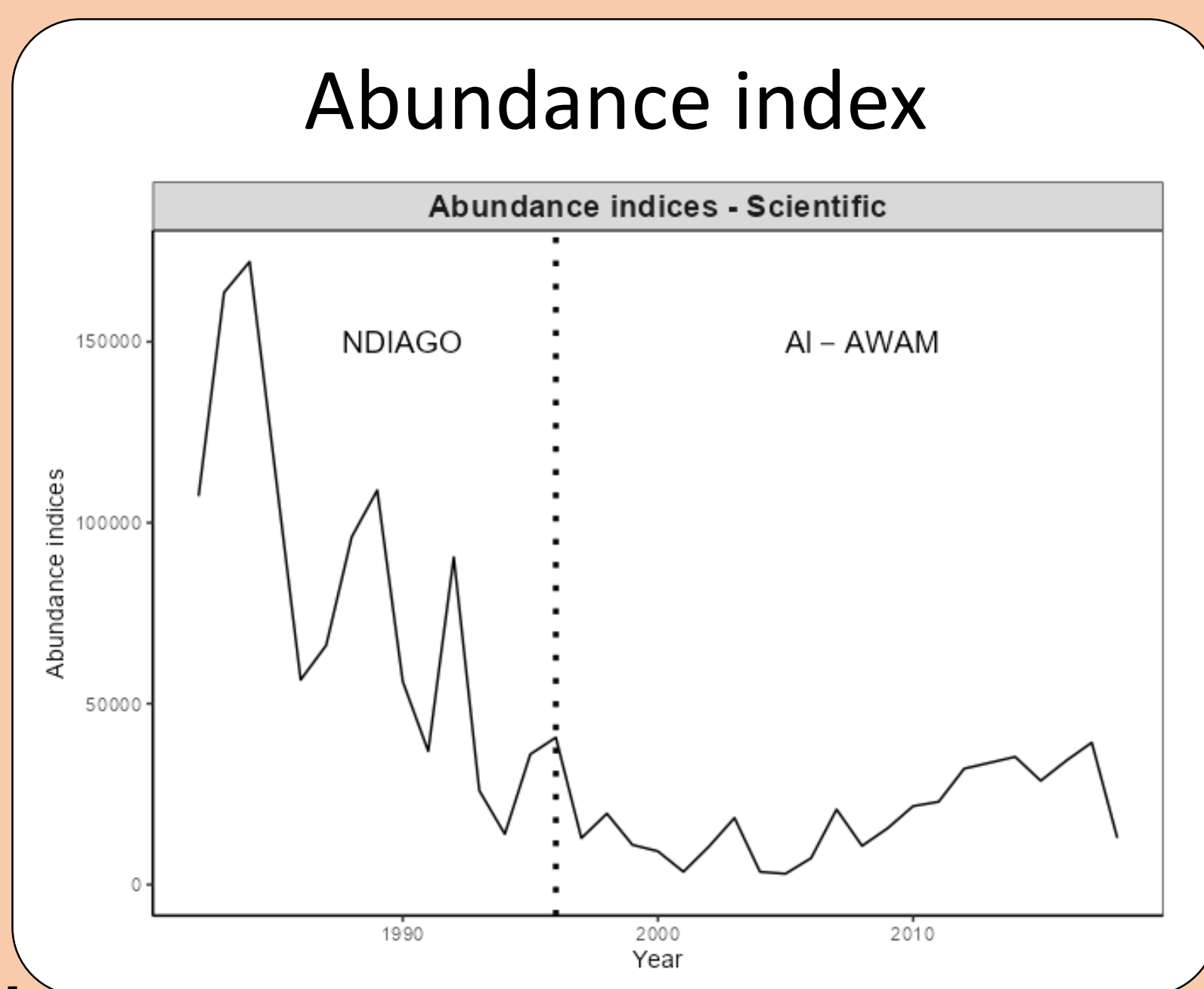
The **thiof** or white grouper *Epinephelus aeneus* is an emblematic species of West Africa.

A **single management unit** has been selected for the three countries (Mauritania, Senegal and Gambia).

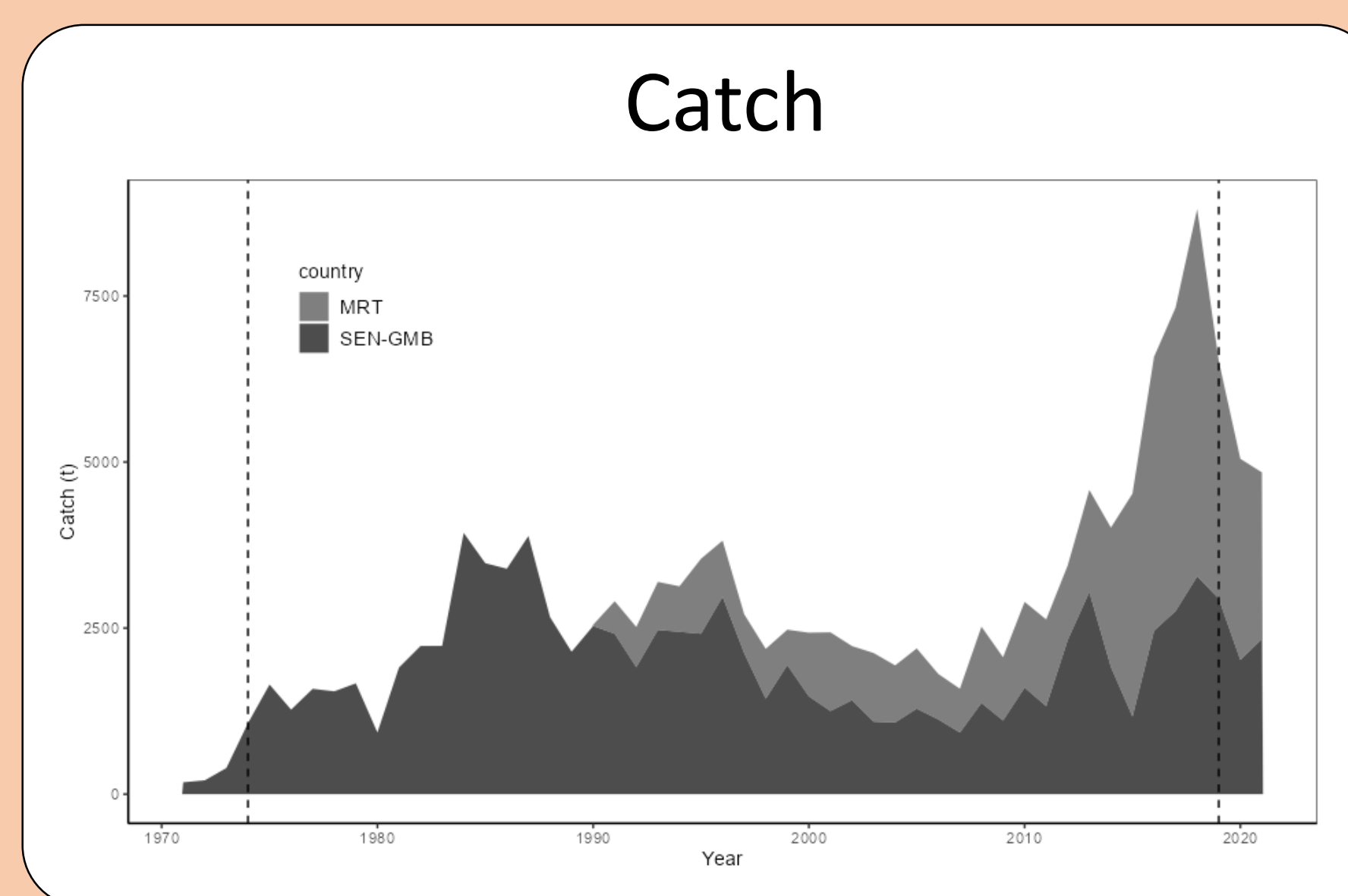


### 2 Data

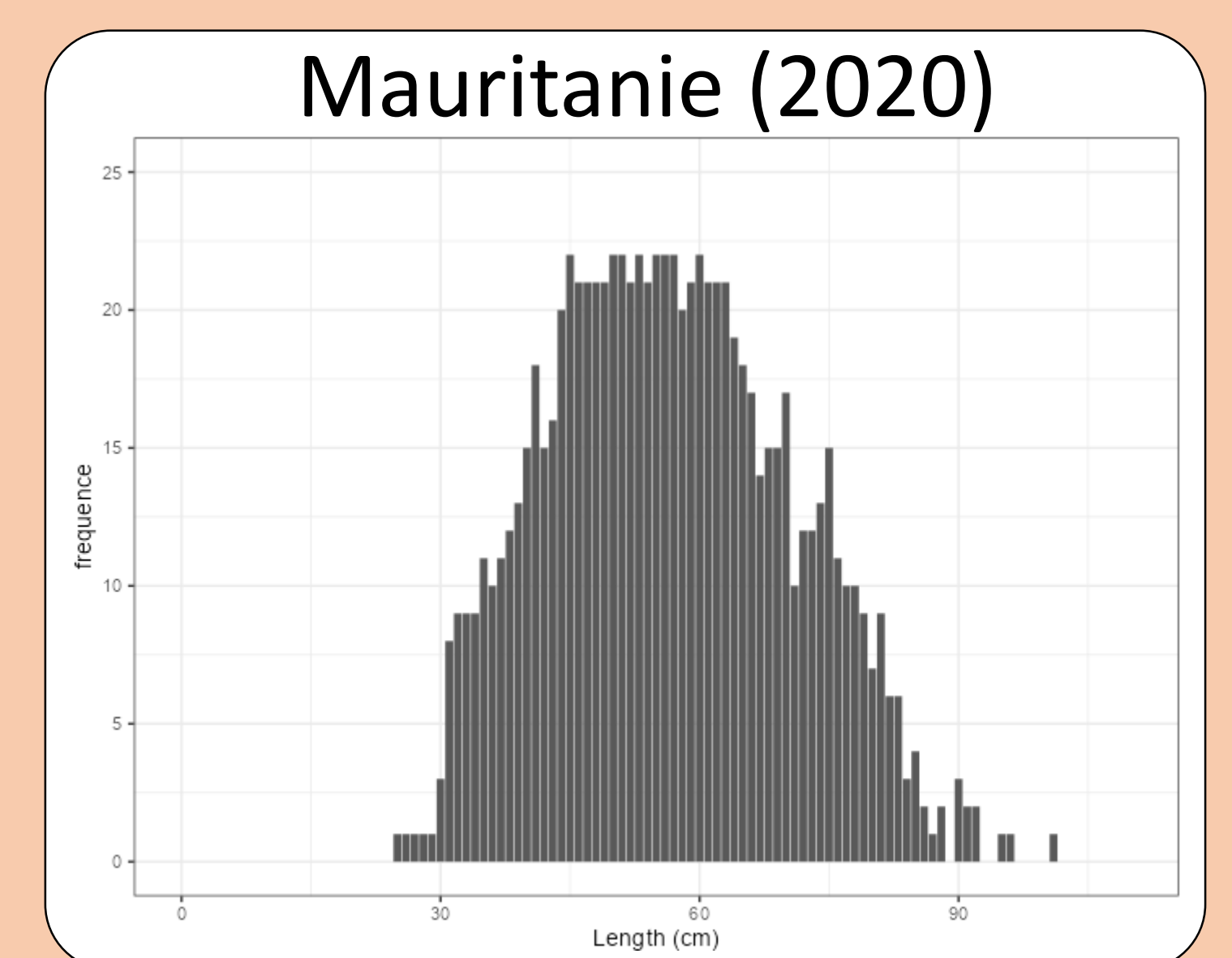
#### Scientific survey



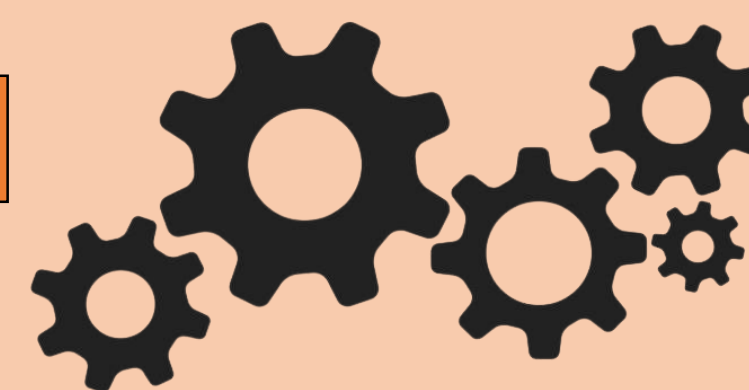
#### Data on landings



#### Length frequency on landings



#### Stock assessment

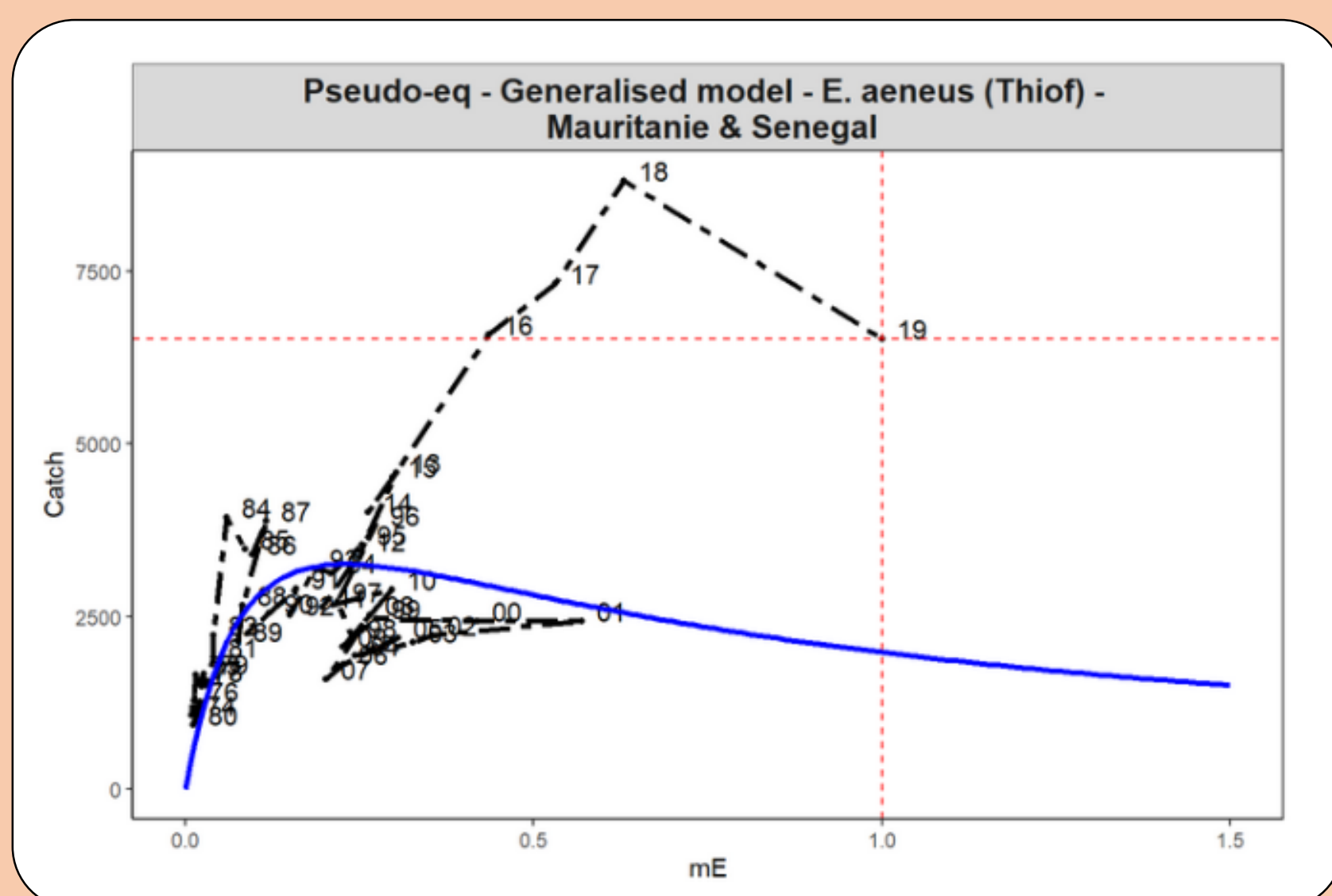


In this case study, due to their reliability and consistency, production models are preferred to models based on length frequencies.

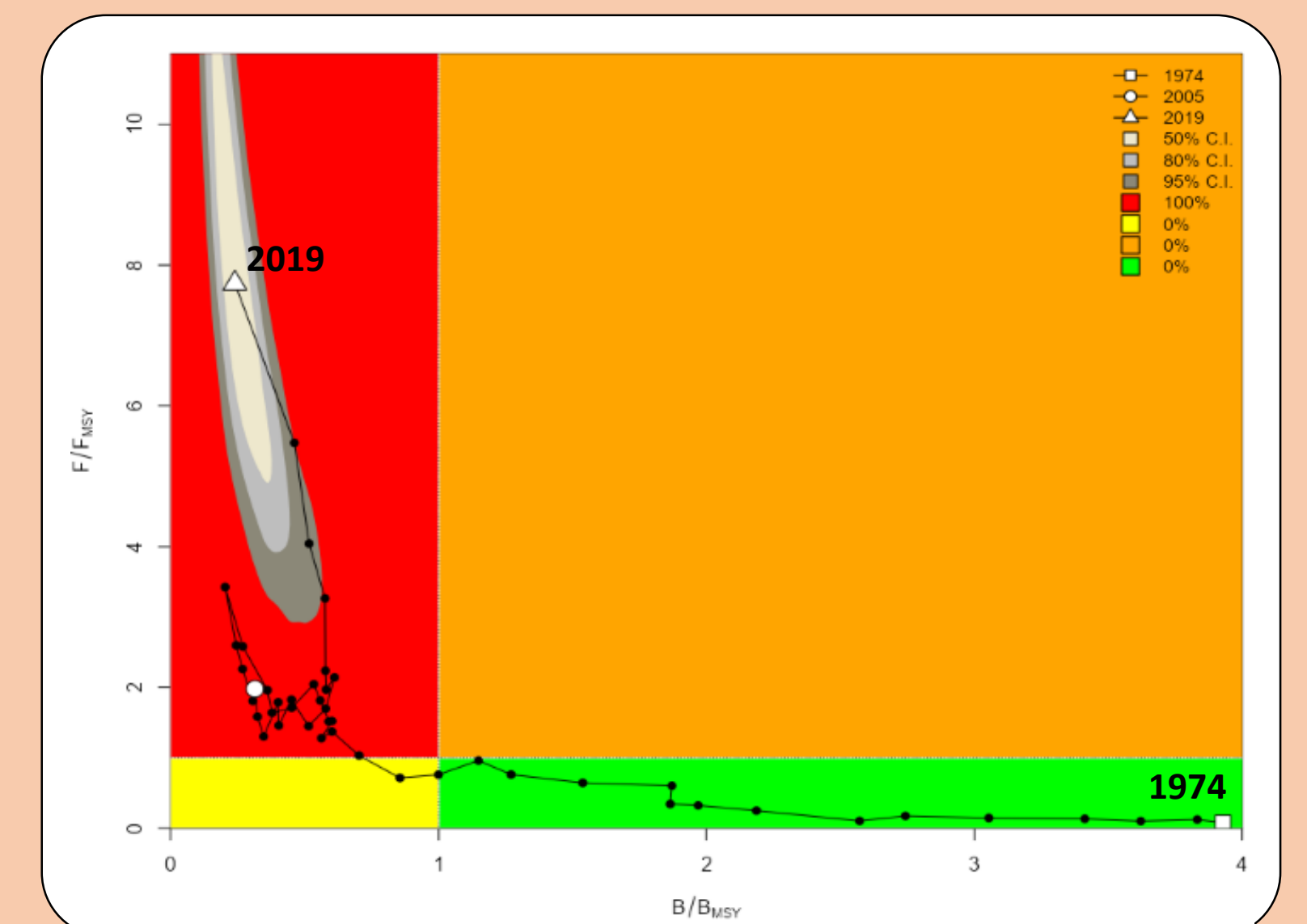
### 3 Results

#### Several fitting methods

- Different hypotheses and statistical procedures but consistent diagnoses
- Multiple tools make diagnosis more reliable.



The adjustment of the global model in **pseudo-equilibrium** provides an MSY of **3250 T** and indicates an **overexploited** stock



The surplus production model (JABBA) indicates an **overexploited** stock with an MSY of **3500 T**.

### 4 Conclusion

- The use of all the available data leads to a diagnosis similar to that established by the CECAF working group
- The use of these different adjustment methods makes it possible to represent confidence intervals on the diagnosis.

#### Références :

Evolution de l'abondance du thiof *Epinephelus aeneus* en Mauritanie



DEMERSTEM Project : <http://pescao-demerstem.org/>



Version française du poster :



Evolution de l'abondance du thiof *Epinephelus aeneus* au Sénégal

