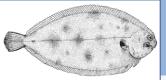
# Solea solea: landings data and LPUE standardization from

official logbooks in Atlantic Iberian waters



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### Introduction

Standardized LPUEs (Landings per Unit of Effort) derived from fisherydependent data can be used as a proxy of the species abundance.

#### **Facts**

- Common sole (Solea solea), important fishery resource, high economic value, BUT
- catches of sole species managed as a single unit in waters: Iberian possible negative implications on species exploitation rate
- Research surveys: not appropriate to monitor the species population due to its coastal distribution (species depth range: 100m-200m)
- No information on structure: subdiv. ICES 8c and 9a as a management unit

# **Objectives**

- Compilation and analyses of official landings data
- LPUE standardization for Solea solea of Atlantic Iberian waters

## Conclusions

- •OTB CN: reliable official S. solea landings data
- OTB GC: Mixture of Solea species in official data. LPUE can be corrected applying the ratio from at-sea scientific sampling.

## Next

- Include Portuguese data
- Combined LPUE index for CN and GC

## Methods and Results

- Time series: 2009-2020
- LPUE: landed weight of S. solea per trip/fishing days per trip

Source of data

- Landings data: Official logbooks from Cantabrian-Northwest (CN) and Gulf of Cadiz(GC)
- At-sea data: scientific observers on board sampling program
- ➤ On-shore data: on-shore sampling program

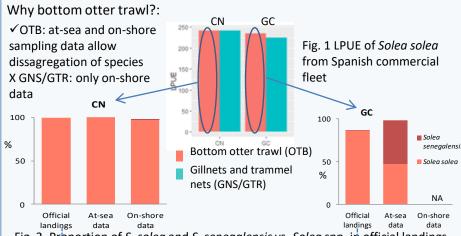
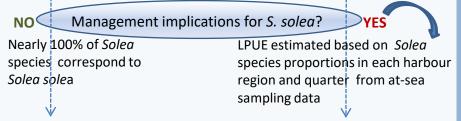
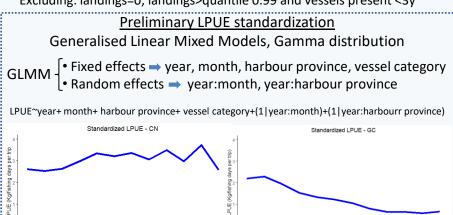


Fig. 2. Proportion of S. solea and S. senegalensis vs. Solea spp. in official landings, at-sea sampling data and on-shore sampling data.



Excluding: landings=0; landings>quantile 0.99 and vessels present <3y



2014