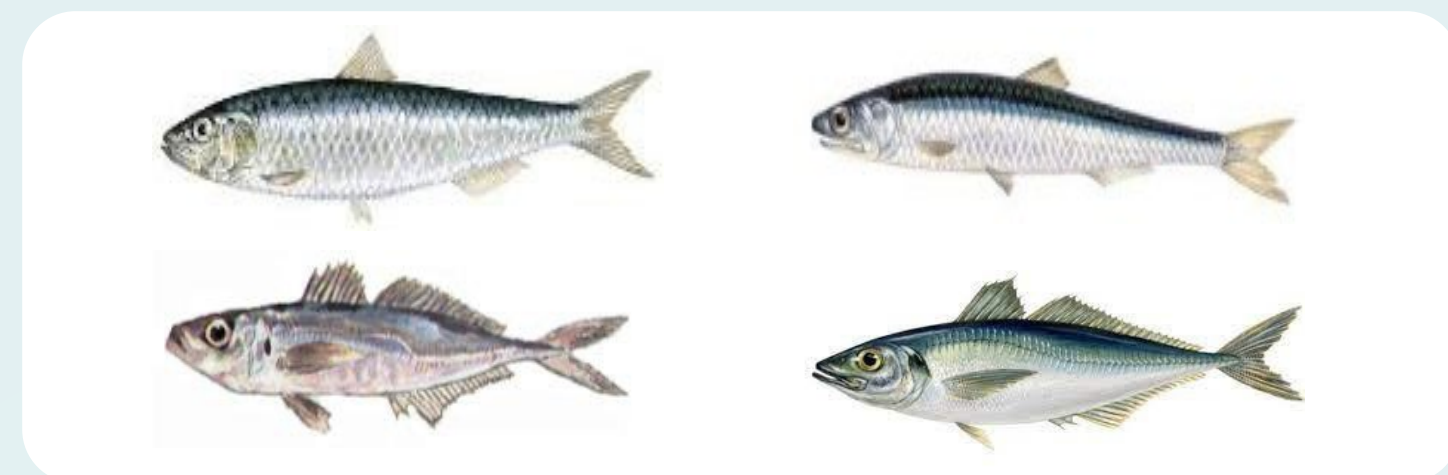
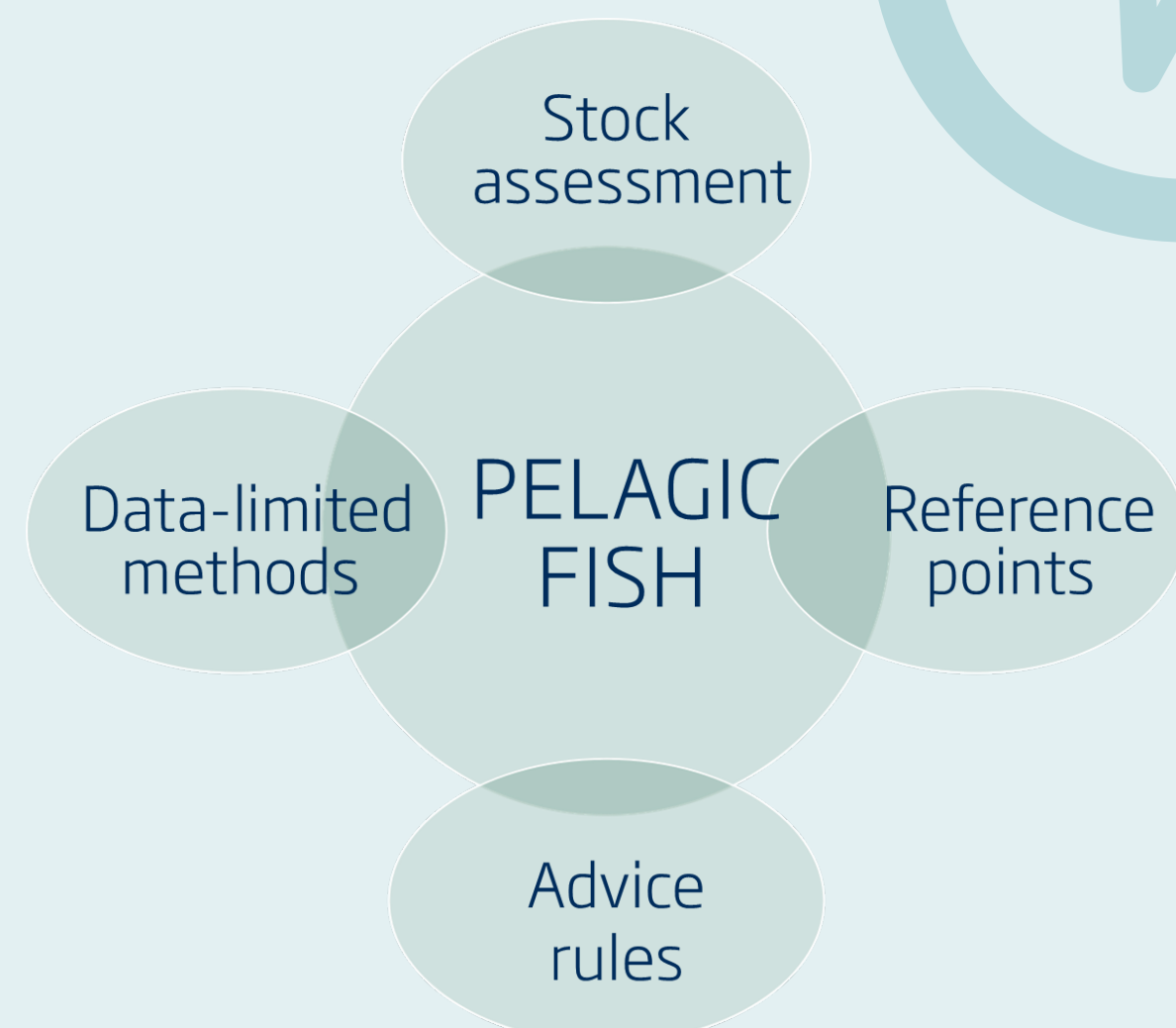


# WGHANSA

## Working Group on Southern Horse Mackerel, Anchovy, and Sardine

Fisheries Resources  
Steering Group (FRSG)

## RESEARCH FOCUS



## OUR MEMBERS



P. Abaunza, J. A. Canseco, J.L. Cebrián, L. Citores, G. Costas, R. Dunne, E. Duhamel, S. Garrido, L. Ibaibarriaga, H. Mendes, D. Miller, R. Nash, M. Olmos, R. Ourens (Chair), L. Pawlowski, F. Ramos, D. Reis, M. Rincón, I. Riveiro, M. Santos and L. Wise

## OUR OBJECTIVE

Provide scientific basis for the management advice of the following stocks:

- Anchovy in Subarea 8 (Bay of Biscay) and Division 9.a (Atlantic Iberian waters)
- Sardine in Divisions 8.c and 9.a (Cantabrian Sea and Atlantic Iberian waters), 8.abd (Bay of Biscay) and Subarea 7 (Southern Celtic Seas and the English Channel)
- Horse mackerel in Division 9.a (Atlantic Iberian waters)
- Blue jack mackerel in Subdivision 10.a.2 (Azores grounds)

## OUR EXPERTISE

- Stock assessment models (Stock Synthesis, GADGET, two-stage biomass-based models)
- Data-limited methods (focus on short-lived stocks)
- Evaluation of management strategies
- Use of acoustic and DEPM surveys indices in stock assessment (close link to WGACEGG)

Scan the QR code  
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about our work

