

SIMERPE₃

Iberian Symposium on Modeling and Assessment of Fishery Resources

4 to 7 november 2025

Lisbon | Portugal

IPMA | Instituto Português do Mar e da Atmosfera

PROGRAMME

4 November Tuesday

SESSION 1

From tradition to innovation:
progress for data-rich stock assessment
and management strategy evaluation

09:00 - 10:00 **OPENING SESSION**
Maria Ana Martins
Ivone Figueiredo

10:00 - 10:45 **SESSION 1** Keynote:
Dorleta Garcia
Quarter Century Reflections:
Challenges, Breakthroughs, and the
Way Forward

10:45 - 11:10 **Coffee-break**

11:10 - 11:30 **Mauricio Mardones**
Evaluating the impact of changes in
minimum legal size on population
dynamics of the wedge clam (*Donax*
trunculus) in the Gulf of Cádiz using
an integrated stock assessment model

11:30 - 11:50 **Beatriz Guijarro**
Comparing two stock assessment
approaches of demersal species in the
Balearic Islands (western Mediterranean
Sea): age-structured vs. production models

11:50 - 12:10 **Amina Tifoura**
Assessing Natural Mortality Models
Under simulations: Identifying the Most
Robust Natural Mortality Model

12:10 - 14:00 **Lunch**

14:00 - 14:20 **Georgios Kerametsidis**
Exploring Potential Biases in Conventional
Stock Assessments: A Spatially Explicit
Simulation-Estimation Experiment for
the red mullet *Mullus barbatus* in the
Northwestern Mediterranean Sea

14:20 - 14:40 **Santiago Cerviño**
The retrospective pattern: a review
of the current state of the problem
and future actions

14:40 - 15:00 **Adriana Nogueira**
Using multivariate autoregressive
state-space models to examine stock
structure of horse mackerel in the
North Atlantic

15:00 - 15:25 **Diana Feijó**
Estimating the slipping magnitude
in the Portuguese purse seine fishery
and the survival rates of sardine

15:25 - 15:55 **SESSION 1** Talk:
Rui Coelho
Progress in data collection, fisheries
assessment and management of large
migratory pelagic species

15:55 - 16:20 **Coffee-break**

16:20 - 16:40 **Leire Citores**
A new post-benchmark evaluation
of the management plan of Bay
of Biscay anchovy

16:40 - 17:00 **Juan Gil Herrera**
Blackspot seabream fishery recovery
plan in the Strait of Gibraltar:
A Management Strategy Evaluation

17:00 - 17:20 **Sonia Sánchez-Maróño**
A Flexibility Approach to enhance
effectiveness of quota-based Fisheries
Management

17:20 - 18:00 **Round table-Q&A**

18:00 **CLOSING**

19:30 **Dinner**

5 November Wednesday

SESSION 2

Assessment and management
of data-limited stocks

09:00 - 09:45 **SESSION 2** Keynote:
Tobias Mildenberger
Navigating Uncertainty: Modeling
and Managing Data-Limited Fisheries
in the Northeast Atlantic

09:45 - 10:05 **Mauricio Mardones**
SARTisanal: A Comprehensive R Package
for Analyzing the Swept Area Ratio (SAR)
of Artisanal Fishing Fleets

10:05 - 10:25 **Wendell Medeiros-Leal**
What length-frequency data reveals
about the current status of Azorean
fish stocks

10:25 - 10:45 **Bárbara Serra-Pereira**
Characterization of Norway Lobster
fisheries in the south of Galicia and
north of Portugal: implications for
redefining the Iberian stock

10:45 - 11:10 **Coffee-break**

11:10 - 11:30 **Miguel Pinto**
The role of environmental controls and
exploitation rates on populations
of three commercially relevant species
along the Portuguese coast

11:30 - 11:50 **Núria Zaragoza**
Stock assessment and environmental
effects on the population dynamics
of small pelagic fish in the Balearic
Islands (western Mediterranean Sea)

11:50 - 12:10 **Alberto Rocha**
Evaluating Biomass and Stock Status
in the Algarve Octopus Fishery using
CatDyn and RTMB Models

12:10 - 14:00 **Lunch**

14:00 - 14:30 **SESSION 2** Talk:
Wendell Medeiros-Leal
Advancing Stock Assessment for
Deep-Sea Fisheries Under Data-Limited
Conditions

14:30 - 14:50 **Marta Cousido Rocha**
Developing Alternative Catch Rules
for Iberian Common Sole Using
a Management Strategy Framework

14:50 - 15:50 **Round table-Q&A**

15:50 - 18:00 **Coffee-break + Poster session**

18:00 **CLOSING**

6 November Thursday

SESSION 3

Beyond Single Stock Assessment:
Integrating Ecosystem Considerations
into Fisheries Management

9:00 - 09:45 **SESSION 3** Keynote:
Anna Rindorf
Realising Ecosystem Based Fisheries
Management: what will it take?

09:45 - 10:05 **Diego Panzeri**
Integration of fisheries and ecological
data to support spatial management:
the case of blackspot seabream
(*Pagellus bogaraveo*) in the western
Mediterranean Sea

10:05-10:25 **Inês Pereira**
Spatiotemporal variation of sardine,
Sardina pilchardus, recruitment in the
Northeast Atlantic and Western
Mediterranean Sea: Implications for
fisheries management

10:25-10:45 **Nerea Goikoetxea**
Improving Catch Data Quality to Boost
Predictive Mackerel Distribution

10:45 - 11:20 **Coffee-break**

11:20 - 11:40 **Adrian Mencia**
Identification of key environmental
variables to predict future distribution
of European hake

11:40 - 12:00 **Paula Sánchez-Zulueta**
An ecosystem approach assessment
of the effects of the implementation of
the multiannual plan for the fisheries
exploiting demersal stocks in the western
Mediterranean Sea and the climate
change in the Balearic Islands

12:00 - 12:20 **Xavier Corrales**
Modelling cumulative impacts of human
activities on marine biodiversity using
spatial-temporal ecosystem models
for the Iberian Peninsula

12:20 - 14:00 **Lunch**

14:00 - 14:30 **SESSION 3** Talk:
Margarita Rincón Hidalgo
Multidimensional framework for
implementing EBFM: social, economic,
and environmental dimensions
of the ecosystem

14:30 - 14:50 **Anxo Paz**
From Ecosystem Models to Stock
Assessment: The Role of Cannibalism
in Atlantic Iberian Hake

14:50 - 15:10 **Leire Ibaibarriaga**
Incorporation of environment-driven
processes into the simulation framework
of the basque pelagic inshore fishery

15:10 - 15:30 **Inês R. Pereira**
Unpacking Azorean Small-Scale Fisheries:
An Integrated Structural, Social, and
Economic Characterization

15:30 - 16:00 **Coffee-break**

16:00 - 16:20 **Juan Moreno Navas**
An evaluation of the prior stock status
and the ecological risk associated with
a novel boat seine fishery

16:20 - 16:40 **Danai Mantopoulou Palouka**
Optimizing Exploitation Patterns:
Selectivity Indicators for Sustainable
Management of Iberian Fisheries

16:40 - 18:00 **Round table-Q&A**

18:00 **CLOSING**

7 November Friday

SESSION 4

Competing marine uses to fisheries:
challenges posed by Offshore
Wind Farms and Marine Protected Areas

09:00 - 09:45 **SESSION 4** Keynote:
Josep Lloret
Promoting Sound Marine Spatial
Planning of Offshore Wind Energy
to Minimize Impacts on Marine
Biodiversity and Fishery Resources:
A Mediterranean Case Study

09:45 - 10:05 **Ricardo Fernandes**
Modeling the Coastal Atmosphere and
Ocean off Western Iberia to inform the
development of Offshore Wind Farms

10:05 - 10:25 **Maria Paz Sampedro**
Modelling the spatial distribution
of European anglerfish species to inform
marine spatial management

10:25 - 10:45 **Sebastião Farias**
Assessing the Socioeconomic Impact of
Fishing Exclusion Zones: a Portuguese
case-study

10:45 - 11:15 **Coffee-break**

11:15 - 12:15 **To the future: initiatives,
collaborations et al.**

12:15 - 13:00 **Symposium summary**

13:00 **CLOSING**



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