



Food and Agriculture
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General Fisheries
Commission for
the Mediterranean

Navigating Changes in
Small Pelagic Fish
and Forage Communities:
Climate, Ecosystems, and
Sustainable Fisheries
May 4 – 8, 2026 | La Paz, Mexico

From data-limited to management-ready: a regional assessment framework for Mediterranean dolphinfish (*Coryphaena hippurus*)

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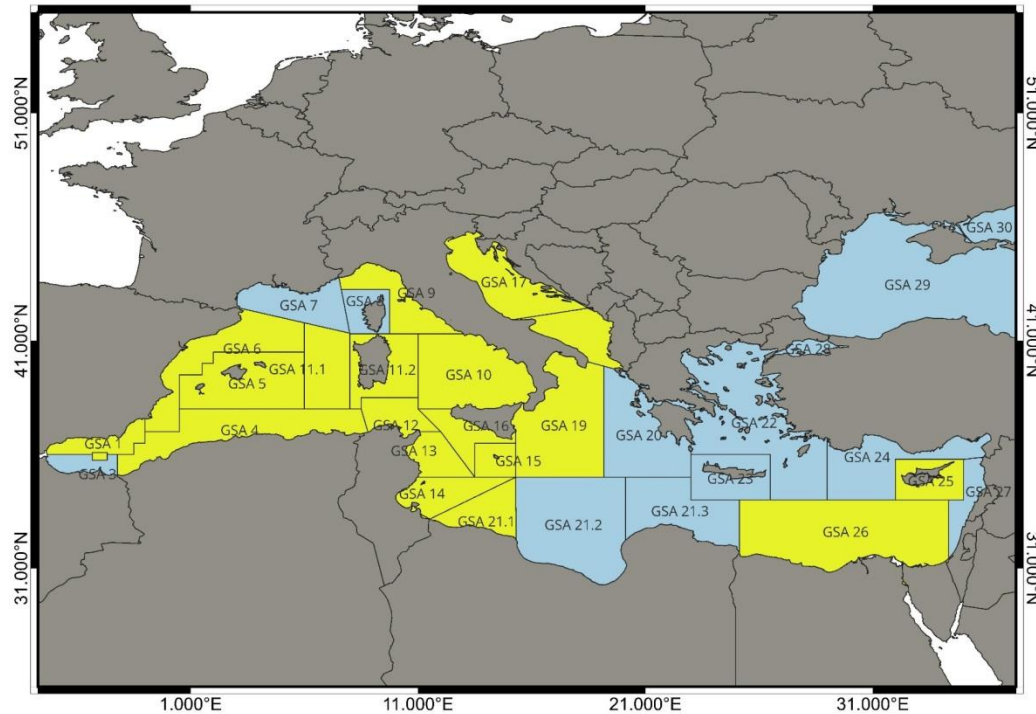


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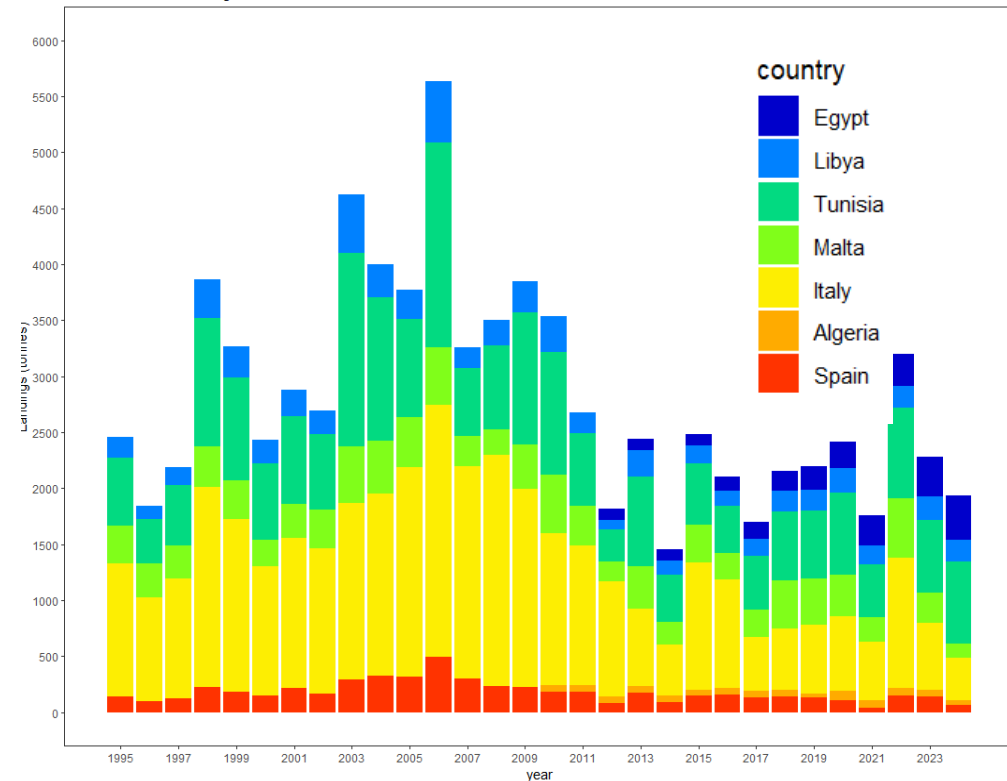
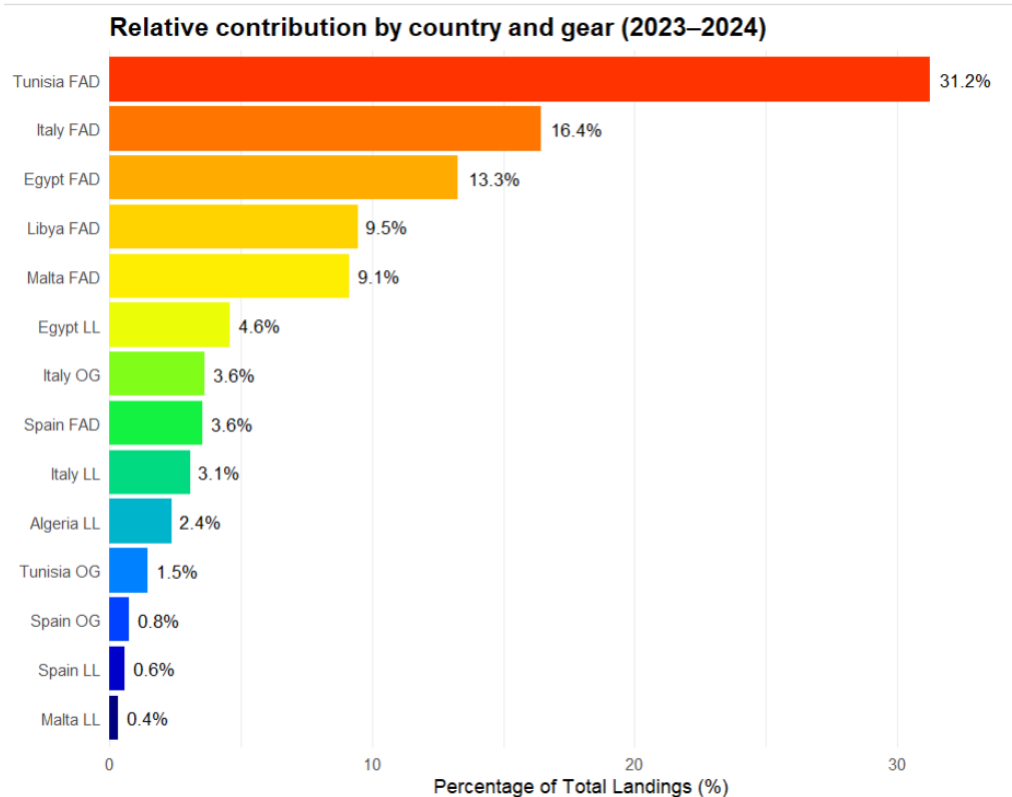
Context

Can we manage a Mediterranean-wide stock with fragmented landings and no survey data?



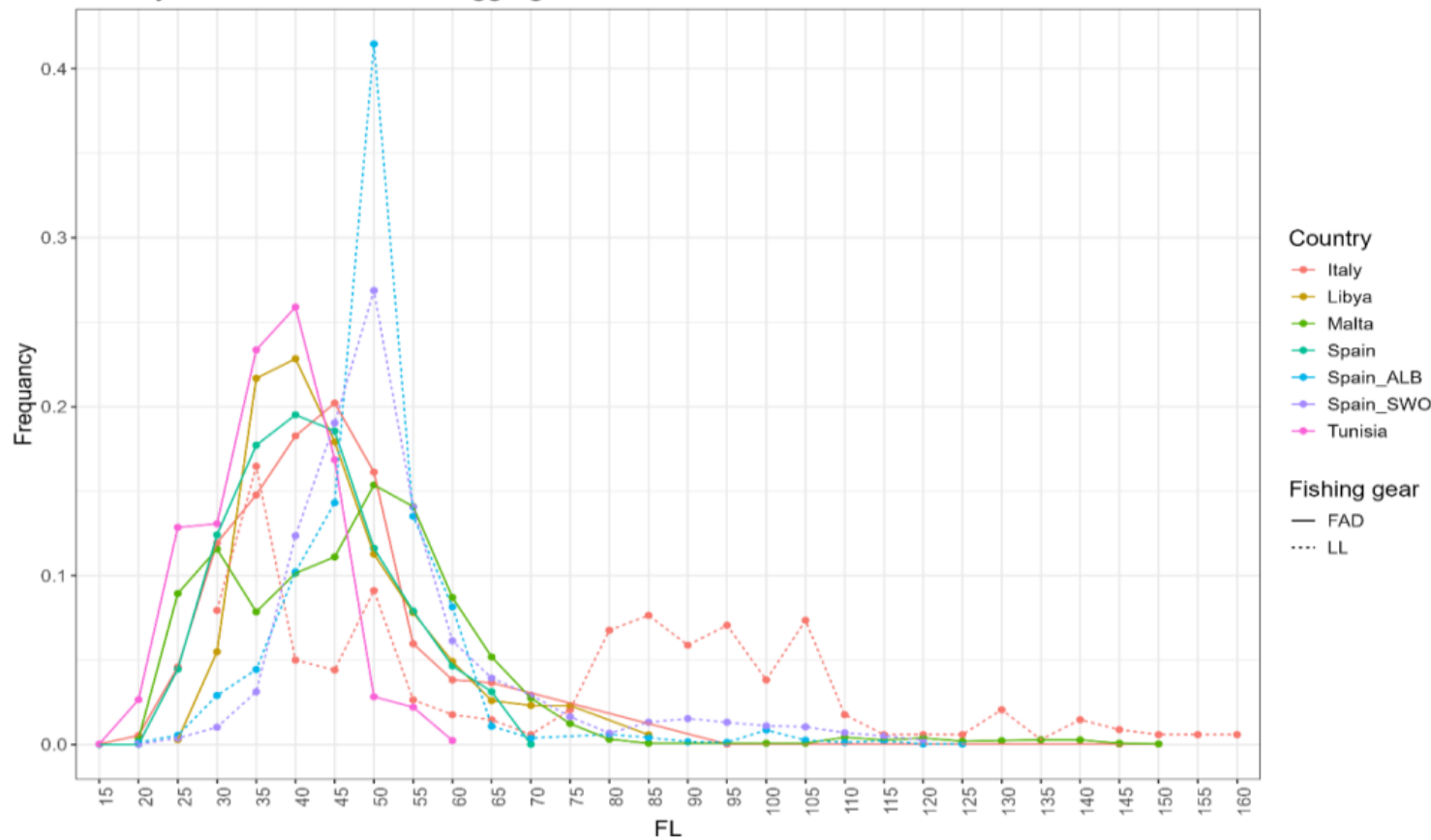
Dolphinfish is exploited across the Mediterranean by multiple countries, mainly through seasonal FAD fisheries targeting recruits (age 0).

Data-limited, multi-country fishery



- No survey indices
- Fragmented data
- Increasing interest to expand the fishery

Data: Length structure

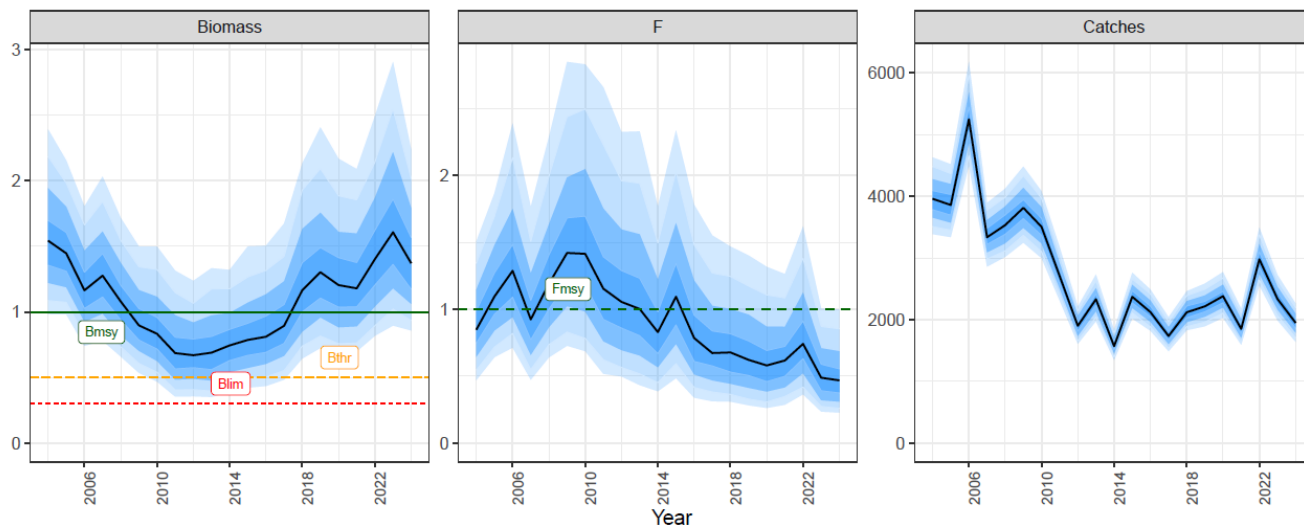
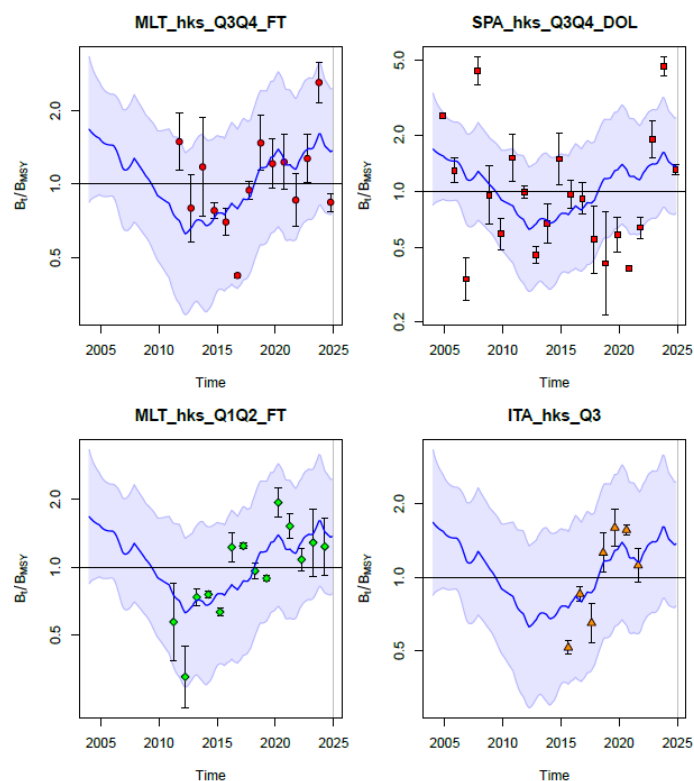


In absence of a fishery-independent survey, standardized CPUEs tracking comparable FADs' length frequency distribution were built from available longline-bycatch for the FADs' period (Quarter 3 and 4).

Length frequency distribution aggregated by country during the FADs fishery season (July-December – Q3Q4), for Italy, Tunisia and Libya, Malta (Sep-Nov) and Spain (Sep-Nov)

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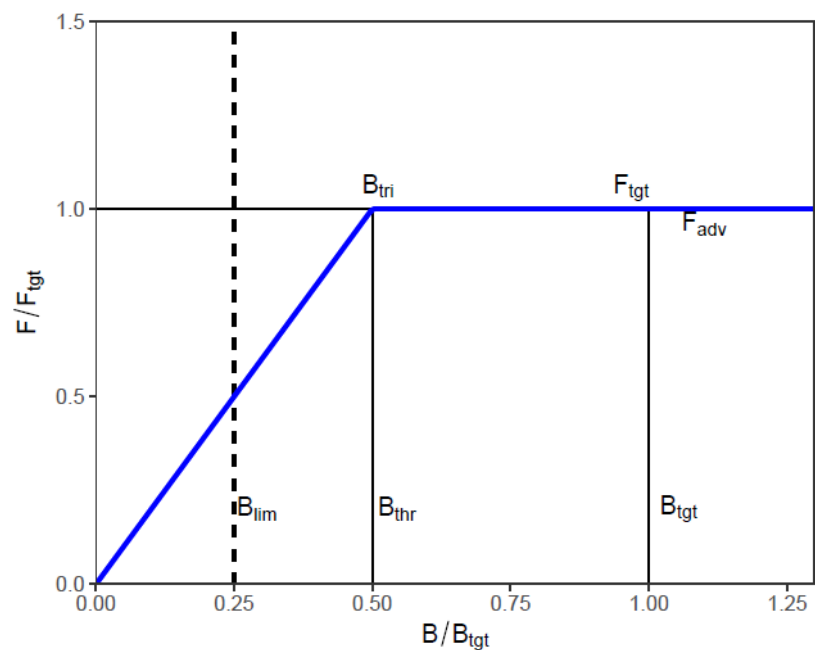
Can we assess and manage a shared stock using only fishery-dependent data, and still support decisions about expanding the fishery?



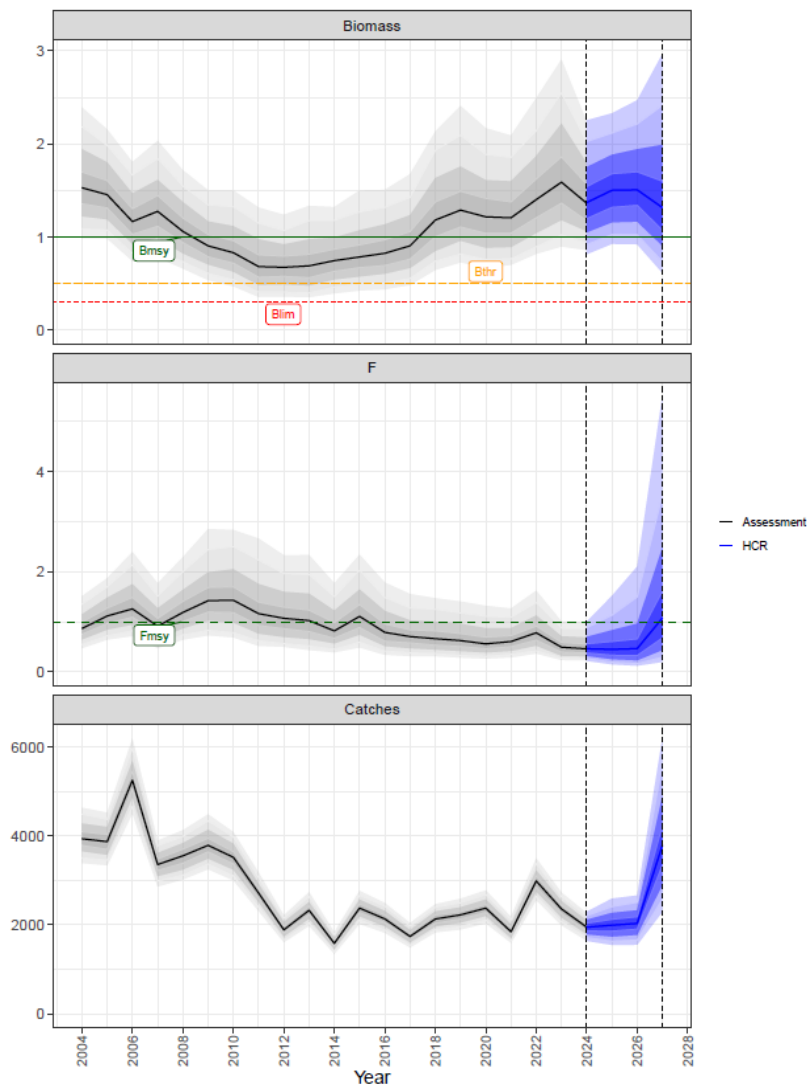
Annual, seasonal and time-varying r scenarios were tested

Standardized CPUE representing Q1Q2 (mainly adults) and Q3Q4 periods (mainly age 0 recruits)

Management procedure implementation



Implementation of the default HCR according to the MSE concept note endorsed by the General Fisheries for the Mediterranean Commission



The stock is found sustainably exploited and fishing opportunities may be explored

Next steps: Further MSE tested scenarios under uncertainty including:

- incomplete landings,
- changing productivity, and
- incomplete implementation of management measures



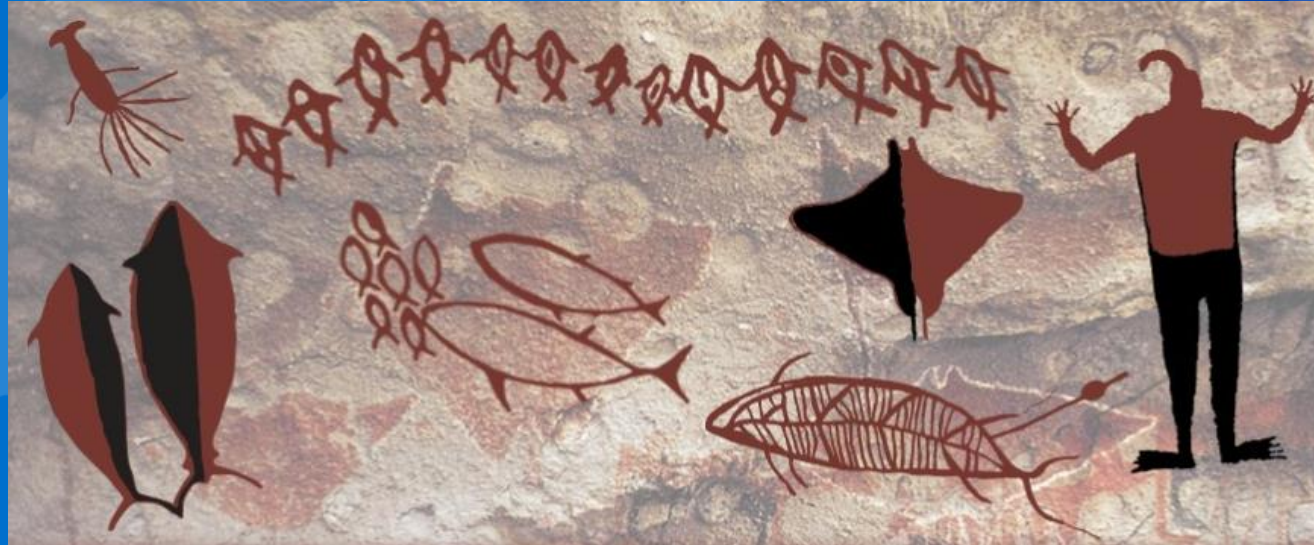
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Thank you!



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