

## Mediterranean Marine Science

Vol 25, No 2 (2024)

Mediterranean Marine Science



### Towards Cross-Border Fisheries Management: An Analysis of Fleet Structures and Species-Specific Regulatory Measures in the Aegean Sea

HAKKI DERELİ, VAHDET ÜNAL, AYLIN ULMAN,  
IOANNIS GIOVOS, ZAFER TOSUNOĞLU, GEORGE  
PRODROMITIS, DIMITRIOS K. MOUTOPOULOS

doi: [10.12681/mms.35526](https://doi.org/10.12681/mms.35526)

#### To cite this article:

DERELİ, H., ÜNAL, V., ULMAN, A., GIOVOS, I., TOSUNOĞLU, Z., PRODROMITIS, G., & MOUTOPOULOS, D. K. (2024). Towards Cross-Border Fisheries Management: An Analysis of Fleet Structures and Species-Specific Regulatory Measures in the Aegean Sea. *Mediterranean Marine Science*, 25(2), 418–440. <https://doi.org/10.12681/mms.35526>

## Towards Cross-Border Fisheries Management: An Analysis of Fleet Structures and Species-Specific Regulatory Measures in the Aegean Sea

**Hakkı DERELİ, Vahdet ÜNAL, Aylin ULMAN, Ioannis GIOVOS, Zafer TOSUNOĞLU, George PRODROMITIS  
 and Dimitrios K. MOUTOPOULOS**

*Mediterranean Marine Science, 25 (2) 2024*

**Table S1.** Species reported from Aegean Sea by the official statistical authorities of Greece and Türkiye. (+: Indicates that the species is reported).

Species	Greece	Türkiye	Species	Greece	Türkiye
<i>Fish</i>			<i>Fish</i>		
<i>Anguilla anguilla</i>	+		<i>Pagellus acarne</i>	+	
<i>Argyrosomus regius</i>		+	<i>Pagellus erythrinus</i>	+	+
<i>Atherina boyeri</i>	+	+	<i>Pagrus caeruleostictus</i>		+
<i>Auxis rochei</i>	+	+	<i>Pagrus pagrus</i>	+	+
<i>Belone belone</i>	+	+	<i>Phycis blennoides</i>		+
<i>Boops boops</i>	+	+	<i>Pleuronectes spp.</i>		+
<i>Caranx rhonchus</i>	+		<i>Polyprion americanus</i>	+	
<i>Chelidonichthys lastoviza</i>		+	<i>Pomatomus saltatrix</i>	+	+
<i>Dentex dentex</i>	+	+	<i>Psetta maxima</i>	+	
<i>Dentex macrophthalmus</i>	+	+	<i>Raja clavata</i>	+	
<i>Dicentrarchus labrax</i>	+	+	<i>Sarda sarda</i>	+	+
<i>Diplodus annularis</i>	+	+	<i>Sardina pilchardus</i>	+	+
<i>Diplodus puntazzo</i>		+	<i>Sardinella aurita</i>	+	+
<i>Diplodus sargus</i>	+	+	<i>Sarpa salpa</i>	+	+
<i>Diplodus vulgaris</i>		+	<i>Scomberesox saurus</i>		+
<i>Engraulis encrasicolus</i>	+	+	<i>Scomber colias</i>	+	+
<i>Epinephelus aeneus</i>		+	<i>Scomber scombrus</i>	+	+
<i>Epinephelus alexandrinus</i>	+		<i>Scorpaena scrofa</i>		+
<i>Epinephelus marginatus</i>	+	+	<i>Scorpaena porcus</i>		+
<i>Euthynnus alletteratus</i>	+	+	<i>Scorpaenidae</i>	+	
<i>Gobius paganellus</i>		+	<i>Seriola dumerili</i>	+	
<i>Lepidorhombus whiffiagonis</i>	+		<i>Serranus spp.</i>	+	+
<i>Lichia amia</i>		+	<i>Solea solea</i>	+	+
<i>Lithognathus mormyrus</i>	+	+	<i>Sparus aurata</i>	+	+
<i>Lophius spp.</i>	+	+	<i>Sphyraena sphyraena</i>		+
<i>Merlangius merlangus</i>	+	+	<i>Spicara maena</i>	+	
<i>Merluccius merluccius</i>	+	+	<i>Spicara smaris</i>	+	+
<i>Micromesistius poutassou</i>	+		<i>Spondylisoma cantharus</i>	+	
<i>Mugilidae</i>	+	+	<i>Sprattus sprattus</i>	+	
<i>Mullus barbatus</i>	+	+	<i>Squalidae</i>	+	
<i>Mullus surmuletus</i>	+	+	<i>Thunnus alalunga</i>	+	+
<i>Mustelus spp.</i>	+	+	<i>Thunnus thynnus</i>		+
<i>Oblada melanura</i>	+	+	<i>Trachinus draco</i>	+	

*Continued*

Table S1 continued

Species	Greece	Türkiye	Species	Greece	Türkiye
<b>Fish</b>			<b>Fish</b>		
<i>Trachurus mediterraneus</i>	+	+	Other decapods	+	
<i>Trachurus trachurus</i>		+	<b>Cephalopods</b>		
<i>Trigla lyra</i>		+	<i>Eledone moschata</i>	+	
Triglidae	+	+	Loliginidae, Ommastrepidae	+	
<i>Umbrina cirrosa</i>	+	+	<i>Loligo</i> spp.	+	+
<i>Upeneus moluccensis</i>		+	<i>Octopus vulgaris</i>	+	+
<i>Xiphias gladius</i>	+	+	<i>Sepia officinalis</i>	+	+
<i>Zeus faber</i>	+	+	<b>Molluscs</b>		
Other fish species	+	+	<i>Chamelea gallina</i>		+
<b>Crustaceans</b>			<i>Donax trunculus</i>	+	
<i>Aristaeomorpha foliacea</i> and		+	<i>Flexopecten glaber</i>	+	
<i>Aristeus antennatus</i>			<i>Holothuria</i> spp		+
<i>Carcinus aestuarii</i>	+		<i>Mytilus galloprovincialis</i>	+	+
<i>Hommarus gammarus</i>	+	+	<i>Ostrea edulis</i>	+	+
<i>Metapenaeus monoceros</i>		+	<i>Pecten jacobaeus</i>		+
<i>Natantia</i>	+		<i>Rapana venosa</i>		+
<i>Nephrops norvegicus</i>	+	+	Veneridae		+
<i>Palinurus elefas</i>		+	Other molluscs	+	+
<i>Parapenaeus longirostris</i>		+			
<i>Penaeus kerathurus</i>	+	+			
<i>Penaeus semisulcatus</i>		+			

**Table S2.** Closed seasons for species in Greece and Turkish Legislations.

Taxa		Greece	Turkish
Scientific Name	Common name		
<b>Fish</b>			
<i>Coryphaena hippurus</i>	Common dolphinfish	-	1 January - 14 August
<i>Epinephelus aeneus</i>	White grouper	-	1 June - 31 August
<i>Lichia amia</i>	Leerfish	-	15 April - 15 May
<i>Platichthys flesus</i>	European flounder	-	15 December – 31 January
<i>Sarda sarda</i>	Atlantic bonito	-	1 April - 31 August (15-31 August excluding set longlines)
<i>Solea solea</i>	Common sole	-	15 December – 31 January
<i>Thunnus thynnus</i>	Atlantic bluefin tuna	2 July - 14 May	2 July - 14 May
<i>Xiphias gladius</i>	Swordfish	1 October – 31 January	15 February - 15 March 1 October - 30 November
<b>Crustaceans</b>			
<i>Callinectes sapidus</i>	Atlantic blue crab	-	1 May - 30 September
<i>Homarus gammarus</i>	European lobster	1 September - 31 December	1 September -15 April
<i>Palinurus vulgaris</i>	European spiny lobster	-	1 September -15 April
<i>Scyllarides latus</i>	Mediterranean slipper lobster	-	15 June -15 April
<b>Mollusc- Bivalves</b>			
<i>Callista chione</i>	Brown venus	1 April – 30 June	-
<i>Chamelea gallina</i>	Striped venus clam	1 April – 31 October	15 April - 30 September
<i>Donax trunculus</i>	Truncate donax	1 April – 31 October	15 April - 31 August
<i>Mytilus galloprovincialis</i>	Mediterranean mussel	1 April – 31 October	15 April - 30 June
<i>Ostrea edulis</i>	Edible oyster	1 August – 31 March	15 April - 31 August
<i>Pecten jacobaeus</i>	Scallop	1 April – 31 October	15 April - 31 August
<i>Ruditapes decussatus</i>	Clam	1 April – 31 October	15 April - 31 August
<i>Venus verrucosa</i>	Warty venus	1 August – 31 October	15 April - 31 August
<b>Mollusc-Gastropod</b>			
<i>Rapana venosa</i>	Rapa whelk	1 April – 31 October	15 April - 31 August
<b>Cephalopods</b>			
<i>Octopus vulgaris</i>	Octopus		15 April - 31 October
<b>Holothuroidea</b>			
<i>Holothuria</i> spp.	Sea cucumbers	1 April – 31 October	1 June -31 October
<b>Florideae</b>			
<i>Gracilaria</i> spp.	Moss	-	1 April - 15 July