

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

Hakki 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>Polypriion 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
Fish			Fish		
<i>Trachurus mediterraneus</i>	+	+	Other decapods		+
<i>Trachurus trachurus</i>		+	Cephalopods		
<i>Trigla lyra</i>		+	<i>Eledone moschata</i>		+
<i>Triglidae</i>	+	+	<i>Loliginidae, Ommastrepidae</i>		+
<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>	+	+	Molluscs		
Other fish species	+	+	<i>Chamelea gallina</i>		+
Crustaceans			<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>	+	+	<i>Veneridae</i>		+
<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		
Fish			
<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
Crustaceans			
<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
Mollusc- Bivalves			
<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
Mollusc-Gastropod			
<i>Rapana venosa</i>	Rapa whelk	1 April – 31 October	15 April - 31 August
Cephalopods			
<i>Octopus vulgaris</i>	Octopus		15 April - 31 October
Holothuroidea			
<i>Holothuria</i> spp.	Sea cucumbers	1 April – 31 October	1 June -31 October
Florideae			
<i>Gracilaria</i> spp.	Moss	-	1 April - 15 July