

Mediterranean-Black Sea Stocks

v4.63 (Dec-07-2023)

Not present Present Preferred

Stock	Time Series Types			
	B/Bmsy	U/Umsy	B/Bmgt	U/Umgt
1. ALBAMED [Albacore tuna Mediterranean Sea]	TB SSB	ER F	TB SSB	ER F
2. ANCHMEDGSA1 [Anchovy Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
3. ANCHMEDGSA16 [Anchovy South of Sicily]	TB SSB	ER F	TB SSB	ER F
4. ANCHMEDGSA17-18 [Anchovy Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
5. ANCHMEDGSA19 [Anchovy Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F
6. ANCHMEDGSA20 [Anchovy Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
7. ANCHMEDGSA22-23 [Anchovy Aegean Sea and Crete Island (GSA 22,23)]	TB SSB	ER F	TB SSB	ER F
8. ANCHMEDGSA29 [Anchovy Black Sea]	TB SSB	ER F	TB SSB	ER F
9. ANCHMEDGSA6 [Anchovy Northern Spain]	TB SSB	ER F	TB SSB	ER F
10. ANCHMEDGSA7 [Anchovy Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
11. ANCHMEDGSA9-11 [Anchovy Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
12. ANGLMEDGSA15-16 [Black bellied angler Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
13. ANGLMEDGSA5 [Black bellied angler Balearic Island]	TB SSB	ER F	TB SSB	ER F
14. ANGLMEDGSA6 [Black bellied angler Northern Spain]	TB SSB	ER F	TB SSB	ER F
15. ANGLMEDGSA7 [Black bellied angler Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
16. BWHITMEDGSA1 [Blue whiting Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
17. BWHITMEDGSA6 [Blue whiting Northern Spain]	TB SSB	ER F	TB SSB	ER F
18. BWHITMEDGSA9 [Blue whiting Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
19. CPANDMEDGSA15-16 [Common pandora Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
20. CPANDMEDGSA9 [Common pandora Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
21. EBASSGSA7 [European seabass Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
22. GFORKBMEDGSA9 [Greater forkbeard Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
23. GHBRMGSA7 [Gilthead seabream Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
24. GRSHRIMPEDGSA12-16 [Giant red shrimp Geographical Sub-Areas 12-16]	TB SSB	ER F	TB SSB	ER F
25. GRSHRIMPEDGSA18-19 [Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19)]	TB SSB	ER F	TB SSB	ER F
26. GRSHRIMPEDGSA9-11 [Giant red shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
27. HAKEMEDGSA15-16 [Hake Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
28. HAKEMEDGSA1-7 [Hake Geographical Sub-Areas 1-7]	TB SSB	ER F	TB SSB	ER F
29. HAKEMEDGSA17-18 [Hake Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
30. HAKEMEDGSA19 [Hake Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F

31. HAKEMEDGSA20 [Hake Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
32. HAKEMEDGSA22-23 [Hake Aegean Sea and Crete Island (GSA 22,23)]	TB SSB	ER F	TB SSB	ER F
33. HAKEMEDGSA7 [Hake Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
34. HAKEMEDGSA8-11 [Hake Geographical Sub-Areas 8-11]	TB SSB	ER F	TB SSB	ER F
35. HMACKMEDGSA9-11 [Horse mackerel Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
36. MHMACKMEDGSA29 [Mediterranean horse mackerel Black Sea]	TB SSB	ER F	TB SSB	ER F
37. NEPHMEDGSA1 [Norway lobster Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
38. NEPHMEDGSA11 [Norway lobster Sardinia]	TB SSB	ER F	TB SSB	ER F
39. NEPHMEDGSA15-16 [Norway lobster Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
40. NEPHMEDGSA17-18 [Norway lobster Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
41. NEPHMEDGSA5 [Norway lobster Balearic Island]	TB SSB	ER F	TB SSB	ER F
42. NEPHMEDGSA6 [Norway lobster Northern Spain]	TB SSB	ER F	TB SSB	ER F
43. NEPHMEDGSA9 [Norway lobster Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
44. PICAMEDGSA25 [Picarel Cyprus Island]	TB SSB	ER F	TB SSB	ER F
45. PRCODMEDGSA9 [Poor cod Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
46. PSHRMPMEDGSA6 [Deep water rose shrimp Northern Spain]	TB SSB	ER F	TB SSB	ER F
47. RBRMMEDGSA1-3 [Red seabream Alboran Island Sea (GSA 1,3)]	TB SSB	ER F	TB SSB	ER F
48. RDSHRMPMEDGSA1 [Red shrimp Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
49. RDSHRMPMEDGSA15-16 [Red shrimp Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
50. RDSHRMPMEDGSA6-7 [Red shrimp Geographical Sub-Areas 6-7]	TB SSB	ER F	TB SSB	ER F
51. RDSHRMPMEDGSA9-11 [Red shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
52. RMULLMEDGSA1 [Red mullet Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
53. RMULLMEDGSA10 [Red mullet South Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
54. RMULLMEDGSA11 [Red mullet Sardinia]	TB SSB	ER F	TB SSB	ER F
55. RMULLMEDGSA15-16 [Red mullet Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
56. RMULLMEDGSA17-18 [Red mullet Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
57. RMULLMEDGSA19 [Red mullet Western Ionian Sea]	TB SSB	ER F	TB SSB	ER F
58. RMULLMEDGSA22 [Red mullet Aegean Sea]	TB SSB	ER F	TB SSB	ER F
59. RMULLMEDGSA25 [Red mullet Cyprus Island]	TB SSB	ER F	TB SSB	ER F
60. RMULLMEDGSA29 [Red mullet Black Sea]	TB SSB	ER F	TB SSB	ER F
61. RMULLMEDGSA5 [Red mullet Balearic Island]	TB SSB	ER F	TB SSB	ER F
62. RMULLMEDGSA6 [Red mullet Northern Spain]	TB SSB	ER F	TB SSB	ER F
63. RMULLMEDGSA7 [Red mullet Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
64. RMULLMEDGSA9 [Red mullet Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
65. RSHRMPMEDGSA1 [Deep water rose shrimp Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
66. RSHRMPMEDGSA12-16 [Deep water rose shrimp Geographical Sub-Areas 12-16]	TB SSB	ER F	TB SSB	ER F
67. RSHRMPMEDGSA17-19 [Deep water rose shrimp Geographical Sub-Areas 17-19]	TB SSB	ER F	TB SSB	ER F
68. RSHRMPMEDGSA22-23 [Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23)]	TB SSB	ER F	TB SSB	ER F

69. RSHRMPMEDGSA5 [Deep water rose shrimp Balearic Island]	TB SSB	ER F	TB SSB	ER F
70. RSHRMPMEDGSA9-11 [Deep water rose shrimp Geographical Sub-Areas 9-11]	TB SSB	ER F	TB SSB	ER F
71. SARDMEDGSA1 [European pilchard Northern Alboran Sea]	TB SSB	ER F	TB SSB	ER F
72. SARDMEDGSA16 [Sardine South of Sicily]	TB SSB	ER F	TB SSB	ER F
73. SARDMEDGSA17-18 [Sardine Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
74. SARDMEDGSA20 [European pilchard Eastern Ionian Sea]	TB SSB	ER F	TB SSB	ER F
75. SARDMEDGSA22-23 [European pilchard Aegean Sea and Crete Island (GSA 22,23)]	TB SSB	ER F	TB SSB	ER F
76. SARDMEDGSA6 [European pilchard Northern Spain]	TB SSB	ER F	TB SSB	ER F
77. SARDMEDGSA7 [Sardine Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
78. SARDMEDGSA9 [European pilchard Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
79. SDOGBLKGSA29 [Spiny dogfish Black Sea]	TB SSB	ER F	TB SSB	ER F
80. SMSHRMPMEDGSA10 [Spottail mantis shrimp South Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
81. SMSHRMPMEDGSA17-18 [Spottail mantis shrimp Adriatic Sea (GSA 17,18)]	TB SSB	ER F	TB SSB	ER F
82. SMSHRMPMEDGSA9 [Spottail mantis shrimp Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
83. SMULLMEDGSA15-16 [Surmullet Malta Island and South of Sicily (GSA 15, 16)]	TB SSB	ER F	TB SSB	ER F
84. SMULLMEDGSA5 [Surmullet Balearic Island]	TB SSB	ER F	TB SSB	ER F
85. SMULLMEDGSA9 [Surmullet Ligurian and North Tyrrhenian Sea]	TB SSB	ER F	TB SSB	ER F
86. SOLMEDGSA17 [Common sole Northern Adriatic Sea]	TB SSB	ER F	TB SSB	ER F
87. SOLMEDGSA7 [Common sole Gulf of Lions]	TB SSB	ER F	TB SSB	ER F
88. SPRBLKGSA29 [Sprat Black Sea]	TB SSB	ER F	TB SSB	ER F
89. SWORDMED [Swordfish Mediterranean Sea]	TB SSB	ER F	TB SSB	ER F
90. TBSKAMEDGSA29 [Thornback skate Black Sea]	TB SSB	ER F	TB SSB	ER F
91. TURBLKGSA29 [Turbot Black Sea]	TB SSB	ER F	TB SSB	ER F
92. WANGLGSA1-7 [White anglerfish Geographical Sub-Areas 1-7]	TB SSB	ER F	TB SSB	ER F
93. WHITMEDGSA29 [Whiting Black Sea]	TB SSB	ER F	TB SSB	ER F

Albacore tuna Mediterranean Sea [ALBAMED]

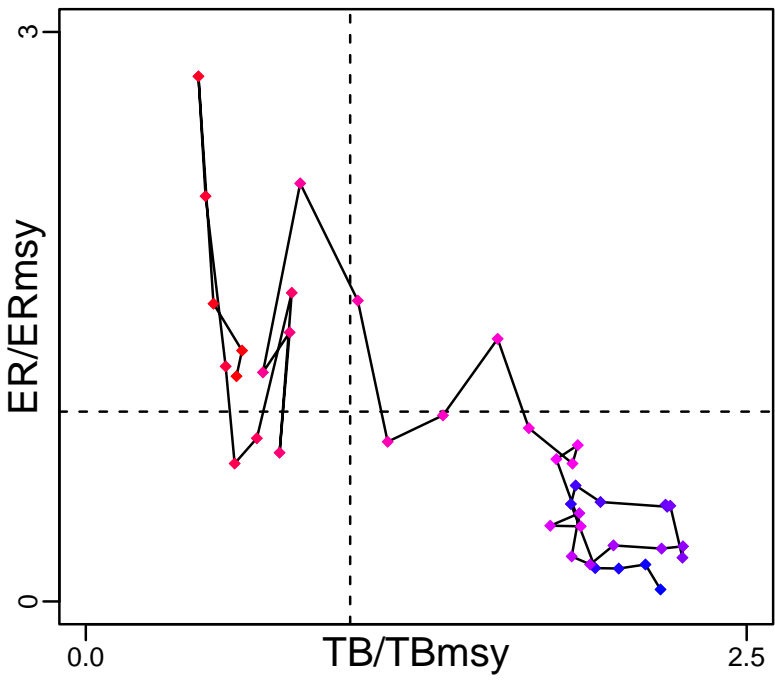
Metadata	
Scientific Name	Thunnus alalunga
Current Assess ID	ICCAT-ALBAMED-1950-2020-LAWSON
Area	Mediterranean Sea
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Asmts in RAM	2020, 2016, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2020	19,703
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2020	0.184
ERmsy	ERmsy-calc-ratio	2020	0.185
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2011	322,000
SSB0	-	-	-
MSY	MSY-MT	2020	3654
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

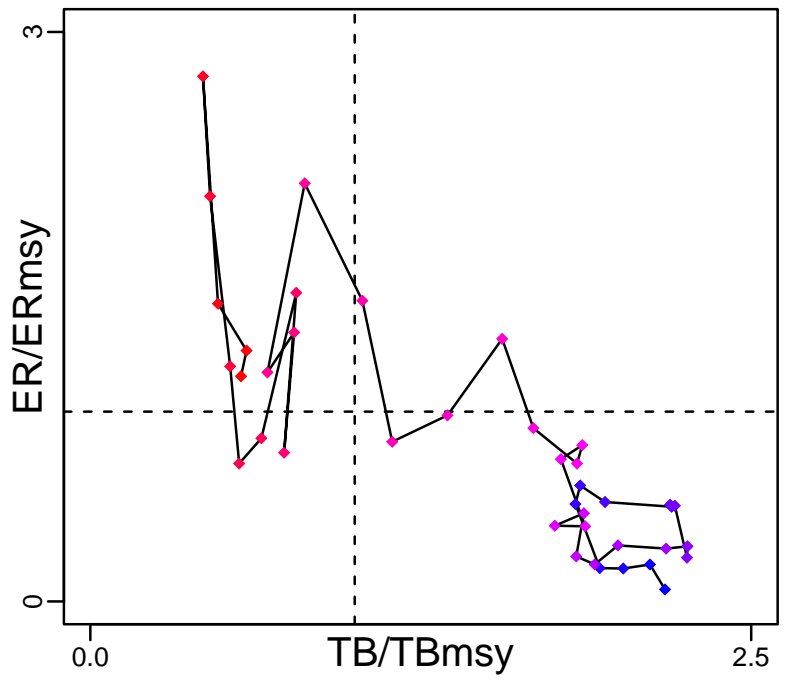
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2020	11,292	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2020	0.22	-	-
ER	ER-calc-ratio	2020	0.22	-	-
TC	TC-MT	2011	2120		
TL	TL-MT	2020	2675		
TB/TBmsy	TBdivTBmsy-dimensionless	2020	0.57		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2020	1.213		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2020	1.186		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Albacore tuna Mediterranean Sea [ALBAMED]

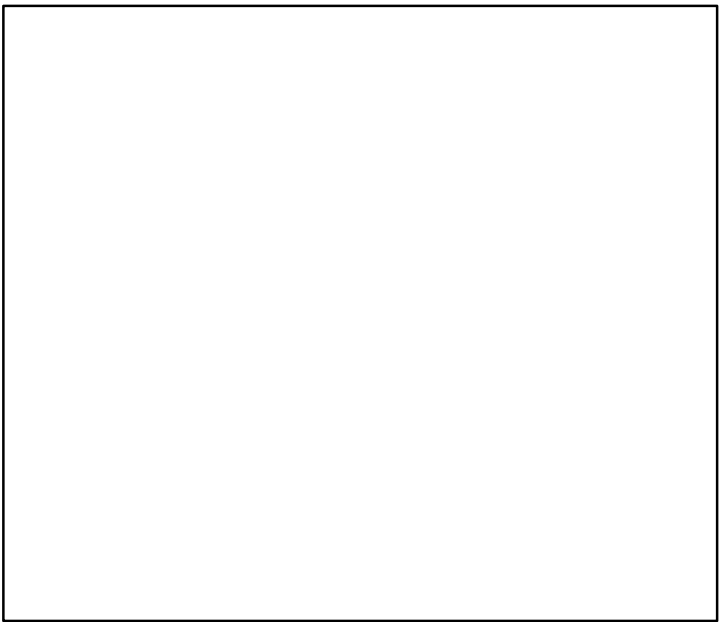
Kobe MSYpref (1950–2020–LAWSON)



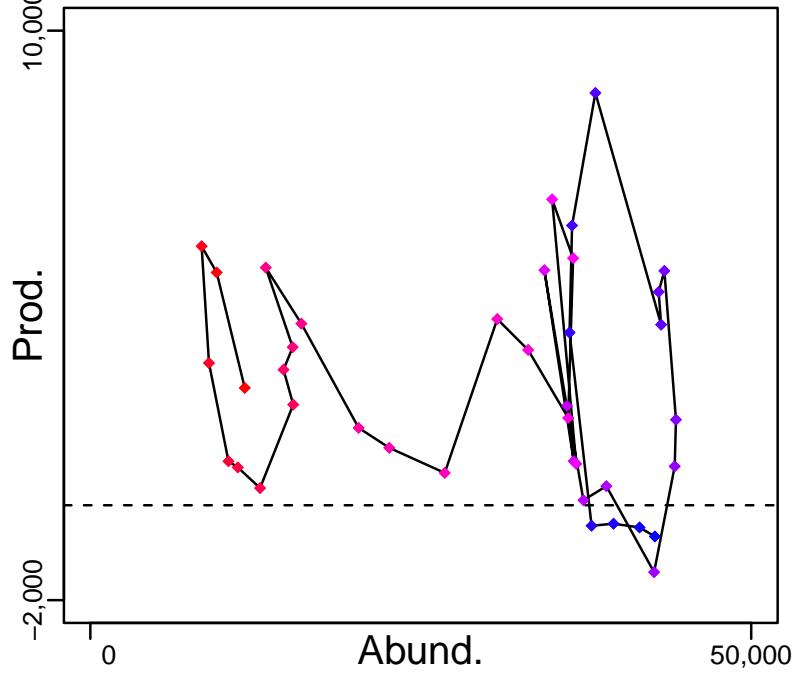
Kobe MGTpref (1950–2020–LAWSON)



Spawner Recruit*



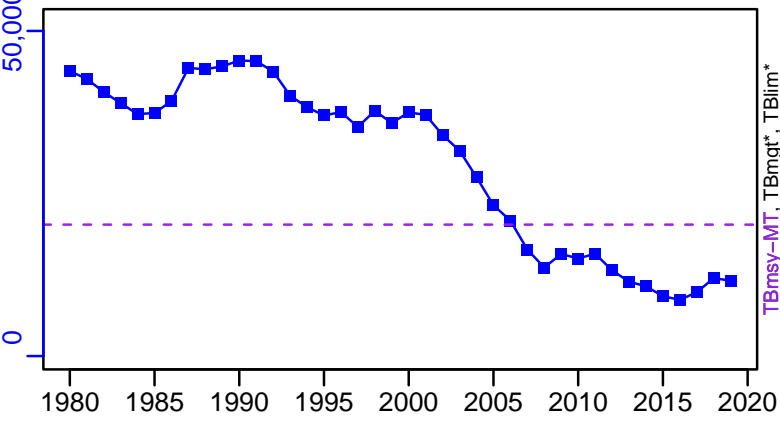
Production (1950–2020–LAWSON)



◆ Start Year ◆ End Year * No Data

Albacore tuna Mediterranean Sea [ALBAMED]

TB-MT (1950-2020-LAWSON)



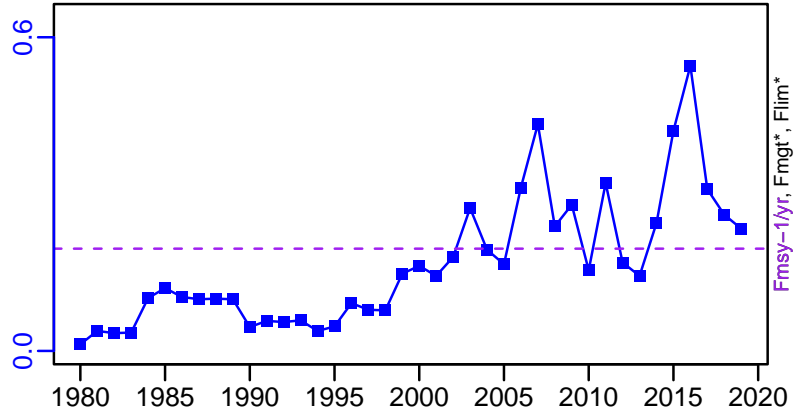
SSB*



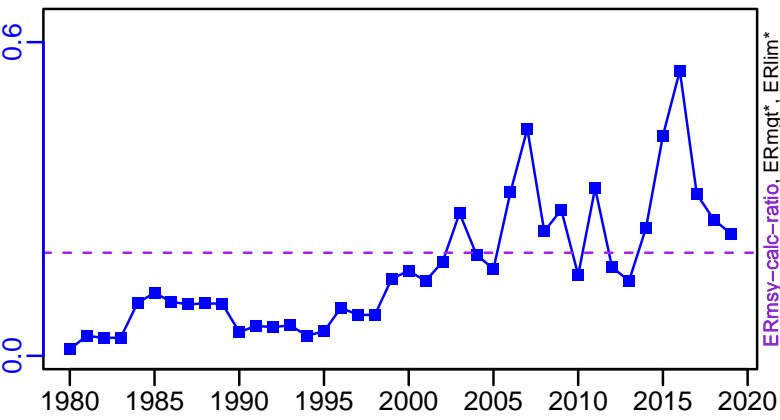
TN *



F-1/yr (1950-2020-LAWSON)



ER-calc-ratio (1950-2020-LAWSON)



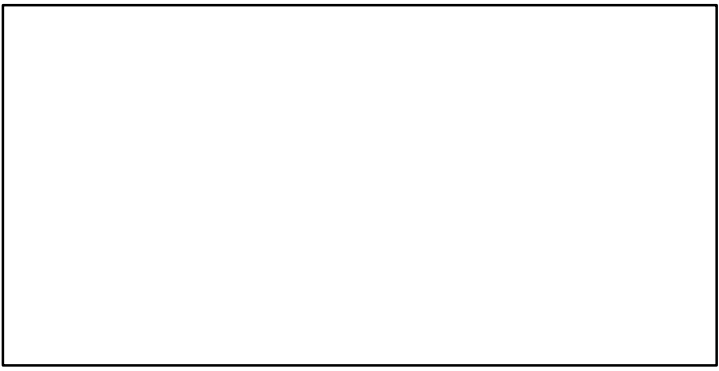
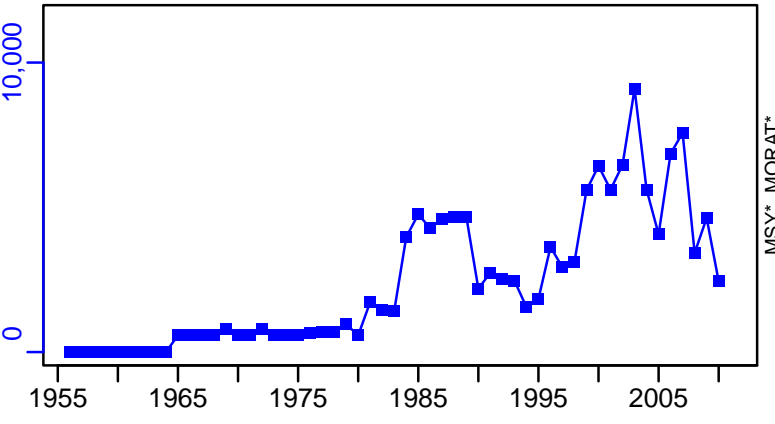
Recruits*



Albacore tuna Mediterranean Sea [ALBAMED]

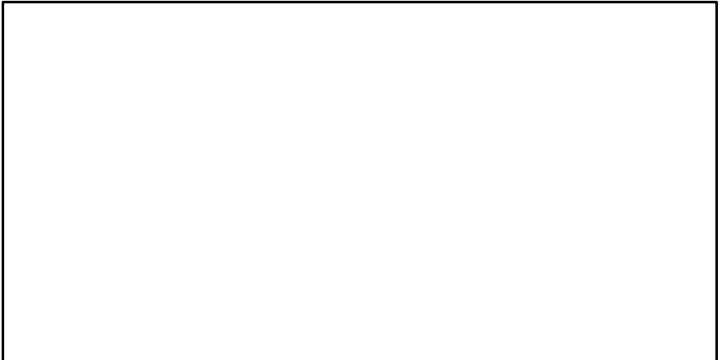
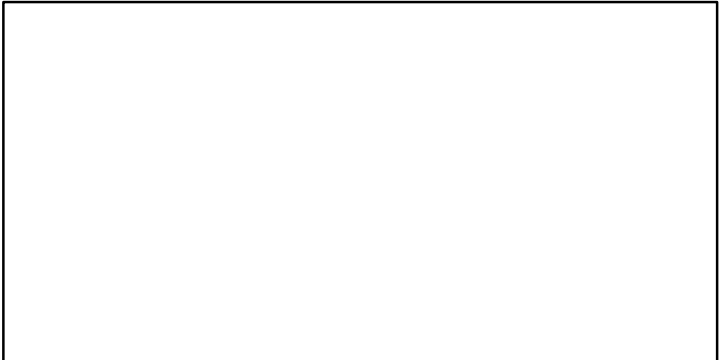
TC-MT, TL*, RecC* (1956-2011-CHING)

TAC*, Cpair*, Cadv*



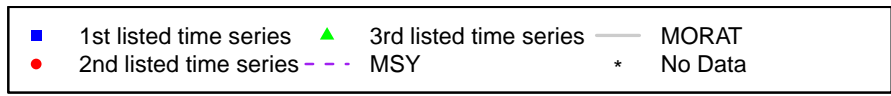
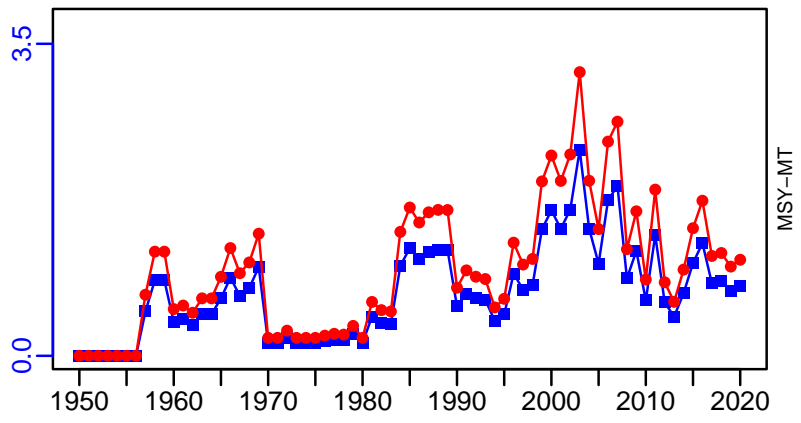
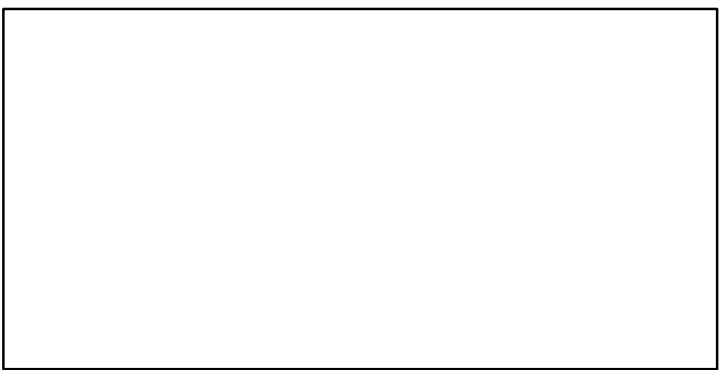
survB*

CPUE*



EFFORT*

TL-MT/MSY-MT, CdivMEANC-ratio, (1950-2020-LAWSON)



Anchovy Northern Alboran Sea [ANCHMEDGSA1]

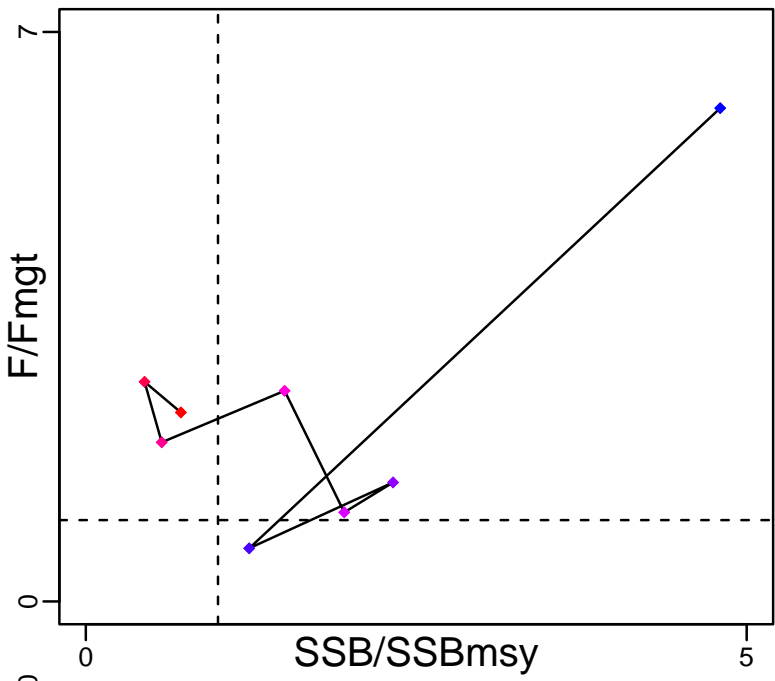
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA1-2002-2009-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.452
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

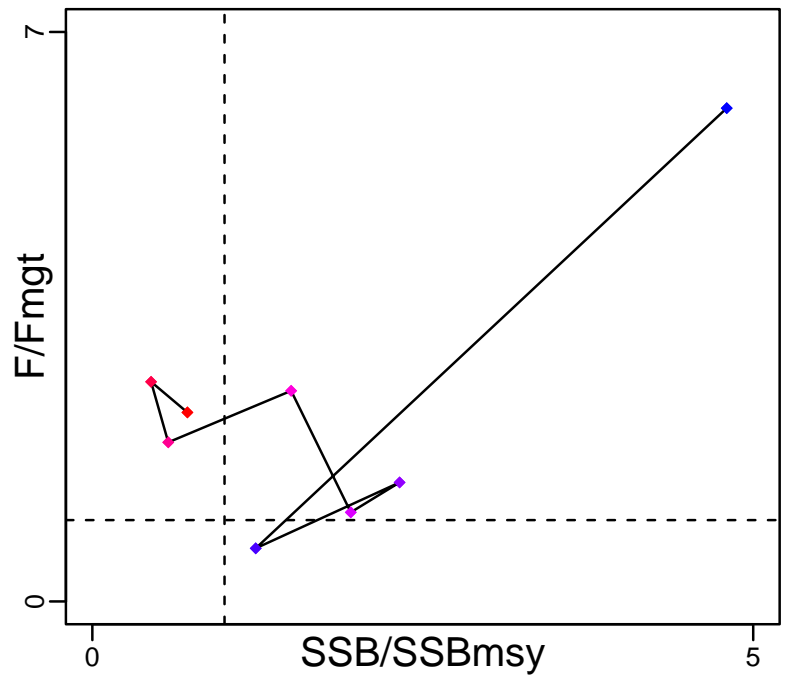
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2009	526	-	-
TN	-	-	-	-	-
R	R-E00	2009	1.56×10^8	-	-
F	F-1/yr	2009	1.05	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	292		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	2.324		
ER/ERmgt	-	-	-		

Anchovy Northern Alboran Sea [ANCHMEDGSA1]

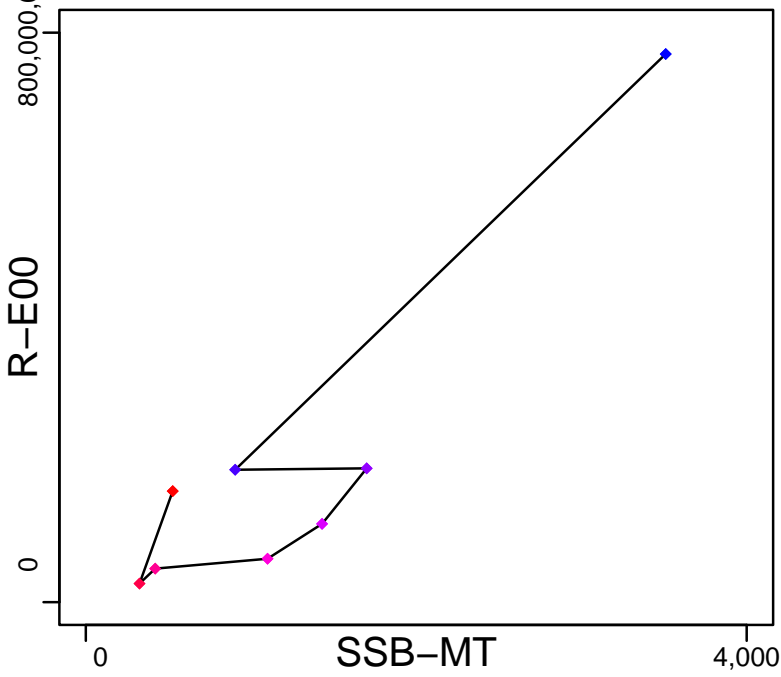
Kobe MSYpref (2002–2009–OSIO)



Kobe MGTpref (2002–2009–OSIO)



Spawner Recruit (2002–2009–OSIO)



Production*



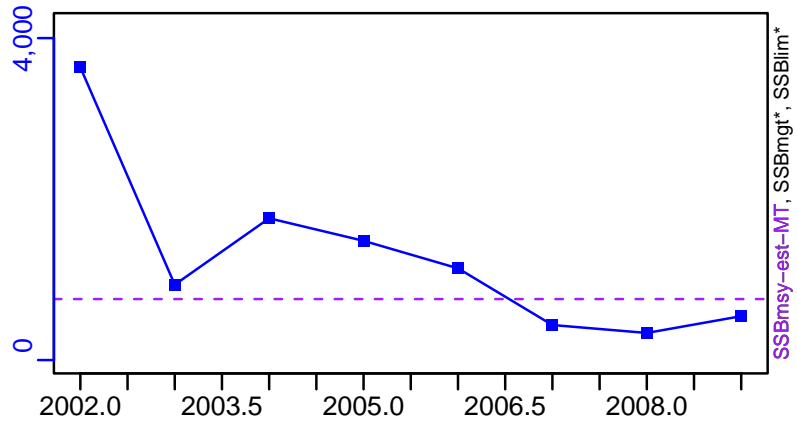
◆ Start Year ◆ End Year * No Data

Anchovy Northern Alboran Sea [ANCHMEDGSA1]

TB*



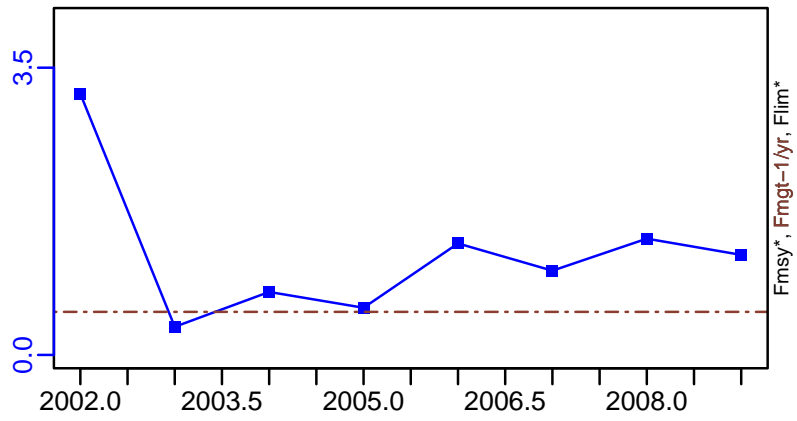
SSB-MT (2002-2009-OSIO)



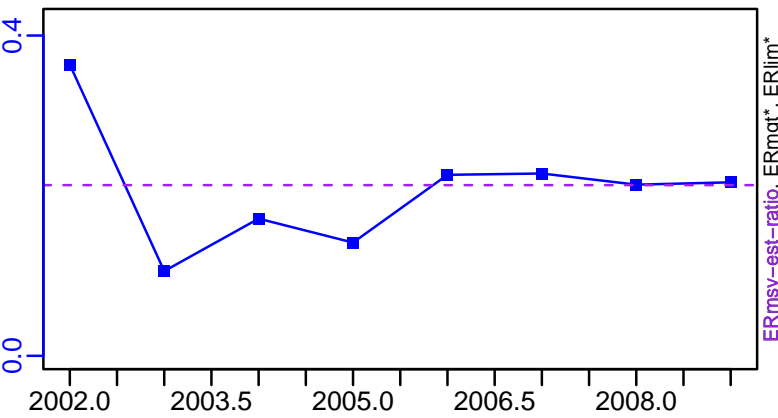
TN *



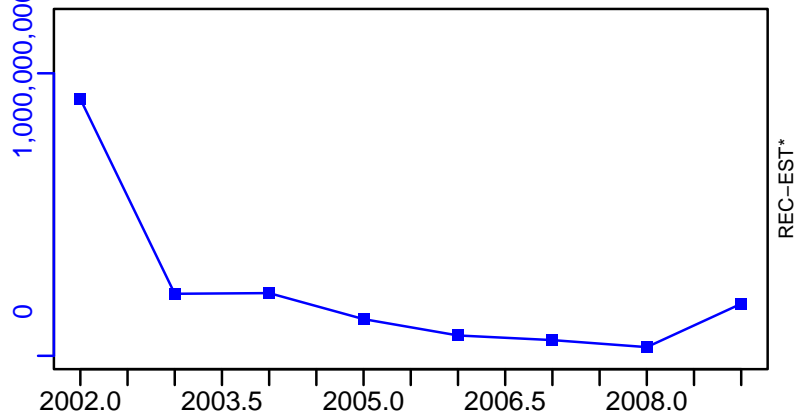
F-1/yr (2002-2009-OSIO)



ER-calc-ratio (2002-2009-OSIO)



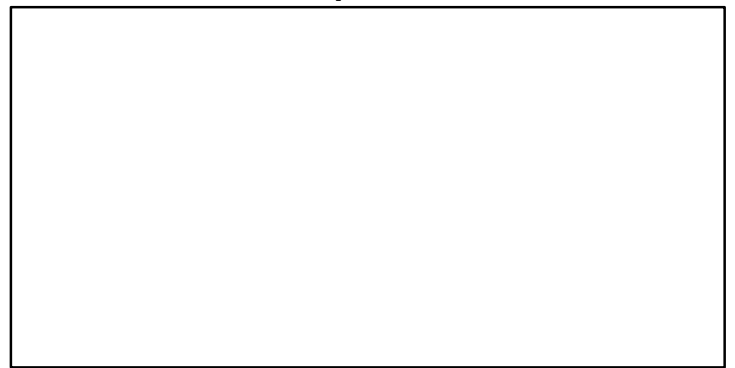
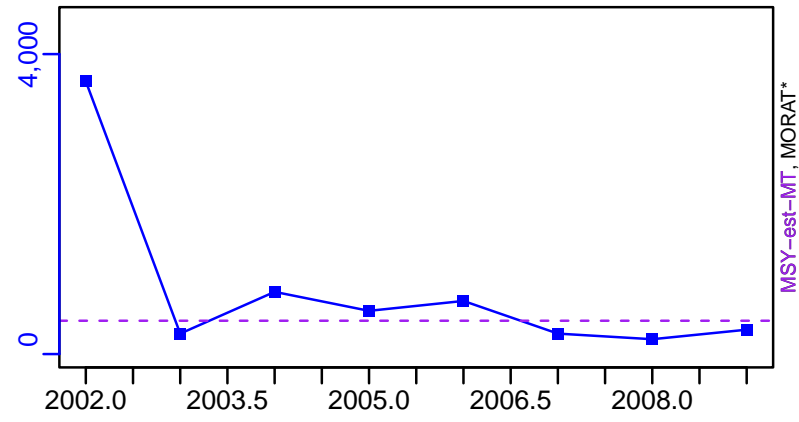
R-E00 (2002-2009-OSIO)



Anchovy Northern Alboran Sea [ANCHMEDGSA1]

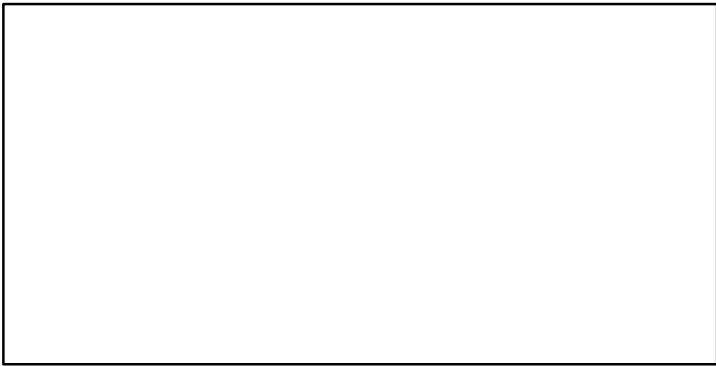
TC-MT, TL*, RecC* (2002-2009-OSIO)

TAC*, Cpair*, Cadv*



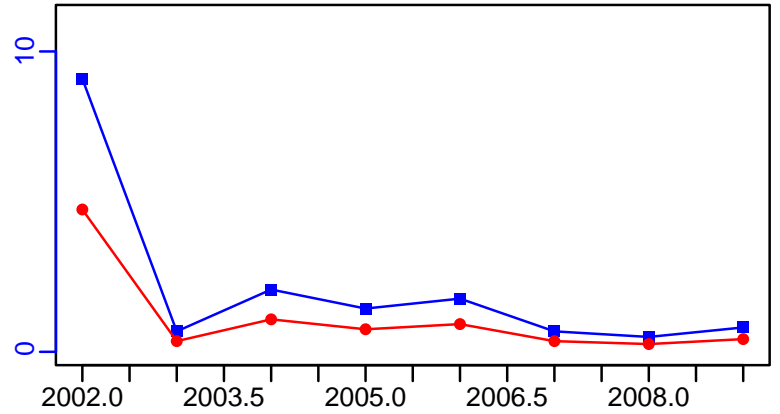
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2009-OSIO)



Anchovy South of Sicily [ANCHMEDGSA16]

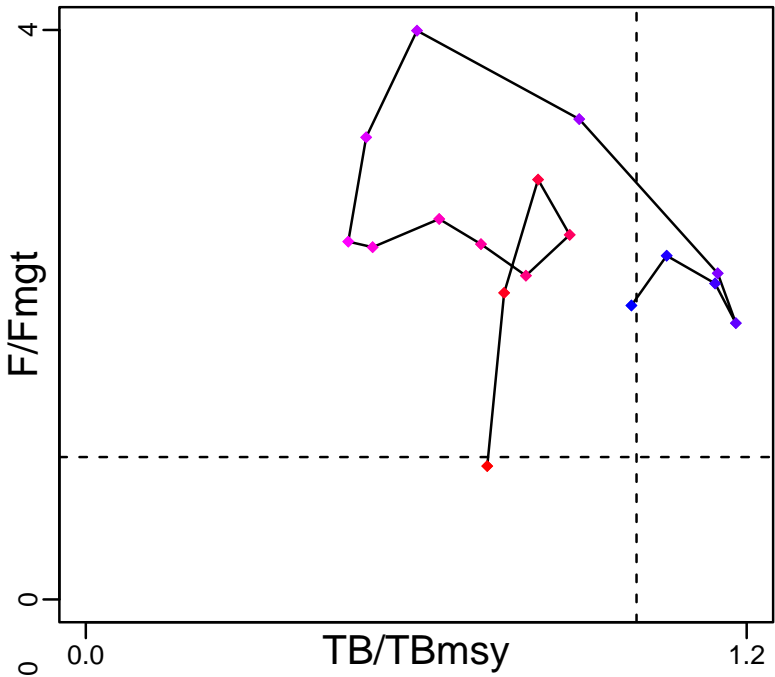
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGSASP-ANCHMEDGSA16-2005-2021-HIVELY
Area	South of Sicily
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2011, 2011, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	14,152
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2011	0.17
ERmsy	ERmsy-calc-ratio	2011	0.167
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.454
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	2359
M	M-1/yr	2011	0.66
TBlim	TBlim-MT	2011	3130
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

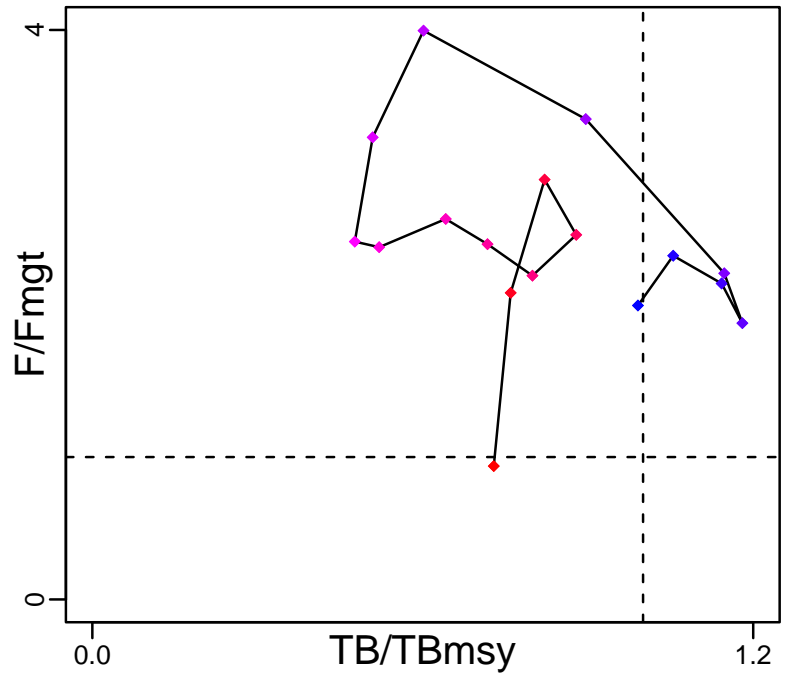
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	11,288	-	-
SSB	SSB-MT	2021	3634	-	-
TN	-	-	-	-	-
R	R-E00	2021	691,493,000	-	-
F	F-1/yr	2021	0.426	-	-
ER	ER-calc-ratio	2021	0.133	-	-
TC	TC-MT	2011	4370		
TL	TL-MT	2021	1500		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.669		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.62		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	2.768		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.937		
ER/ERmgt	-	-	-		

Anchovy South of Sicily [ANCHMEDGSA16]

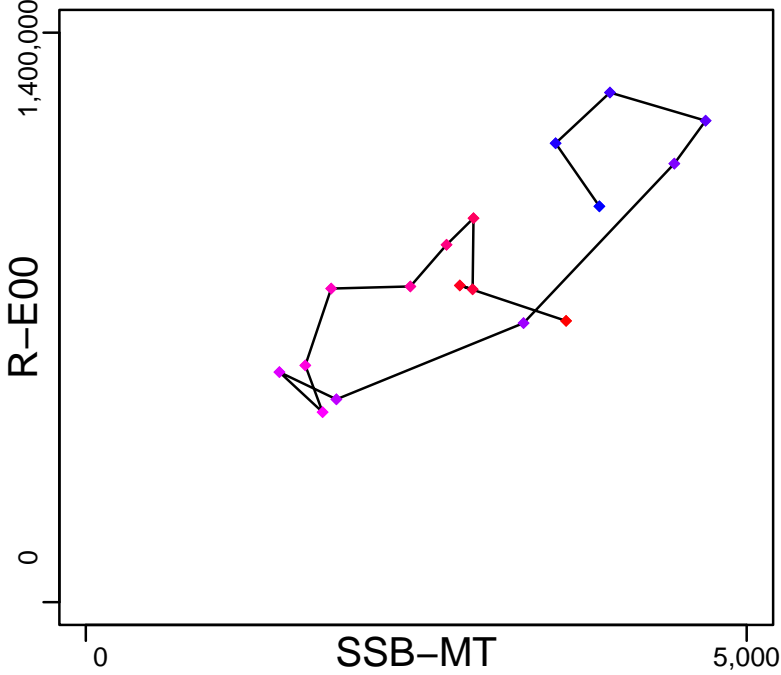
Kobe MSYpref (2005–2021–HIVELY)



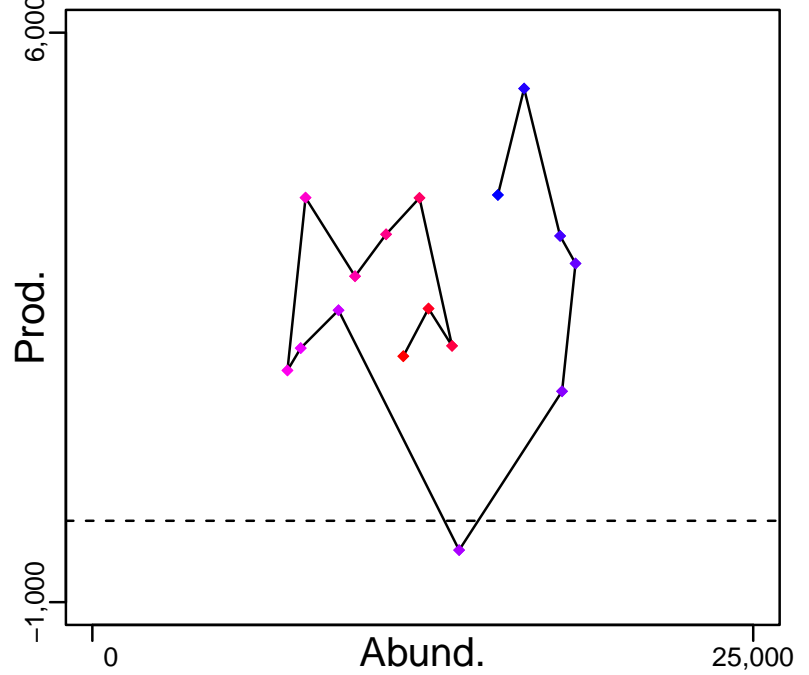
Kobe MGTpref (2005–2021–HIVELY)



Spawner Recruit (2005–2021–HIVELY)



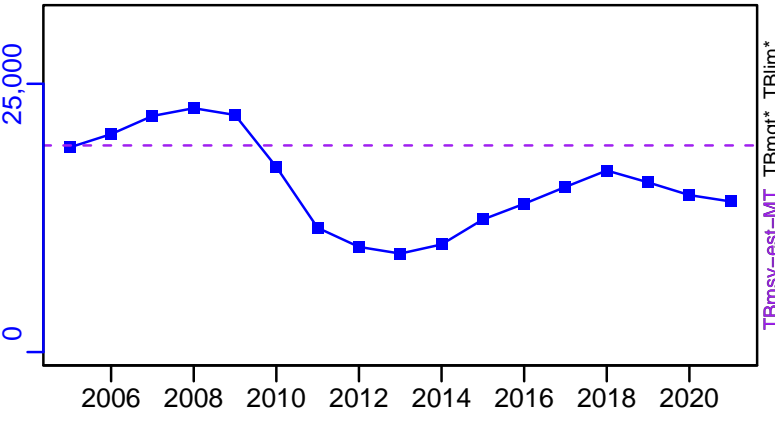
Production (2005–2021–HIVELY)



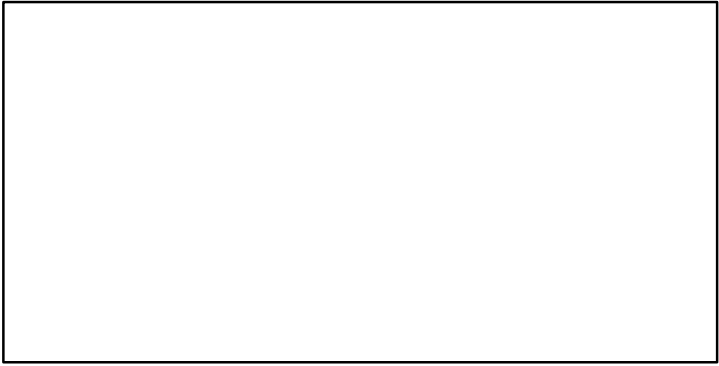
◆ Start Year ◆ End Year * No Data

Anchovy South of Sicily [ANCHMEDGSA16]

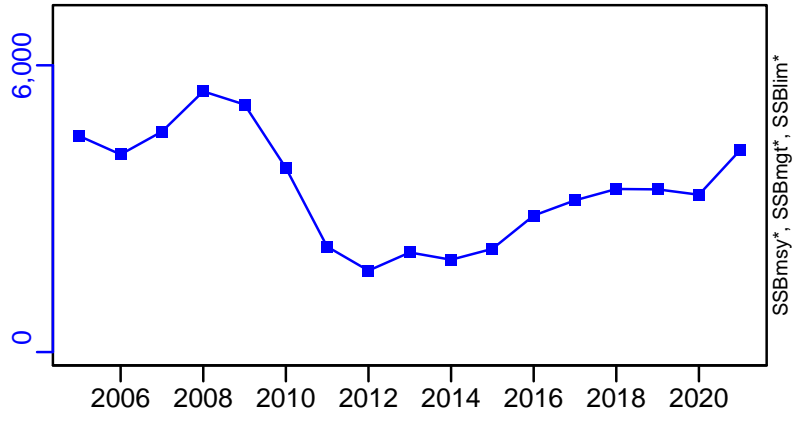
TB-MT (2005-2021-HIVELY)



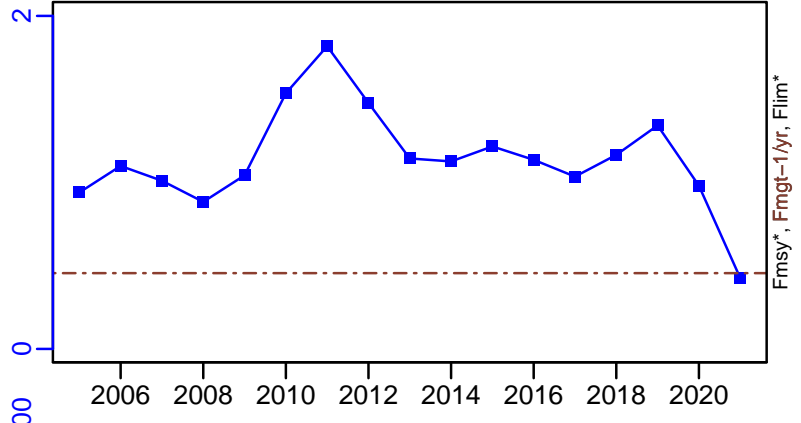
TN *



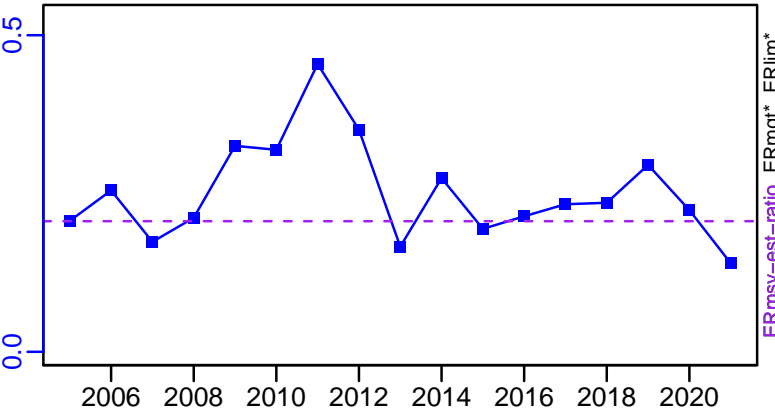
SSB-MT (2005-2021-HIVELY)



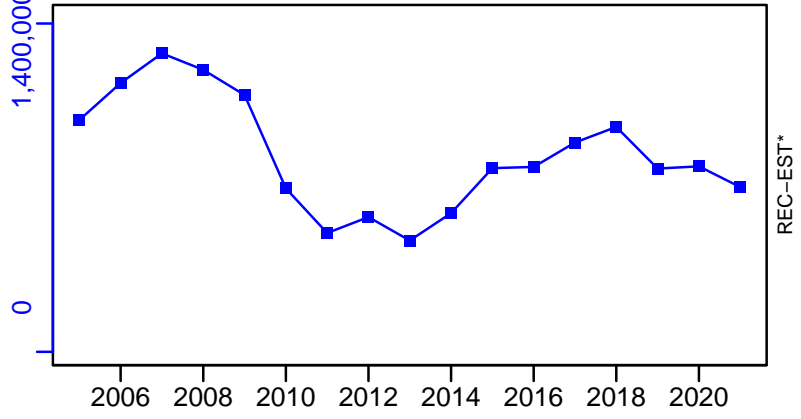
F-1/yr (2005-2021-HIVELY)



ER-calc-ratio (2005-2021-HIVELY)



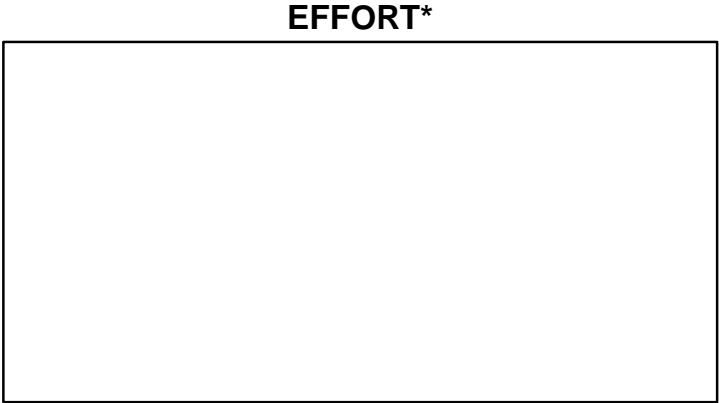
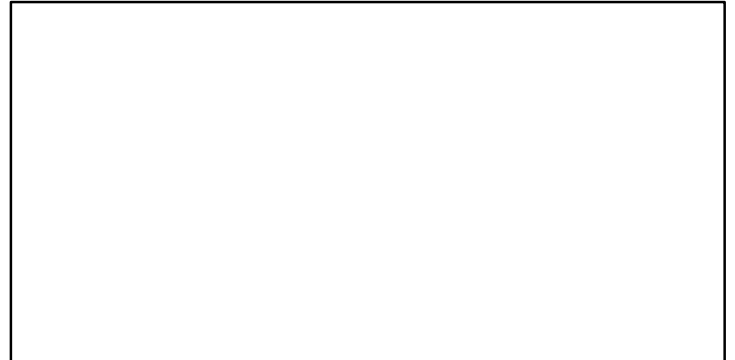
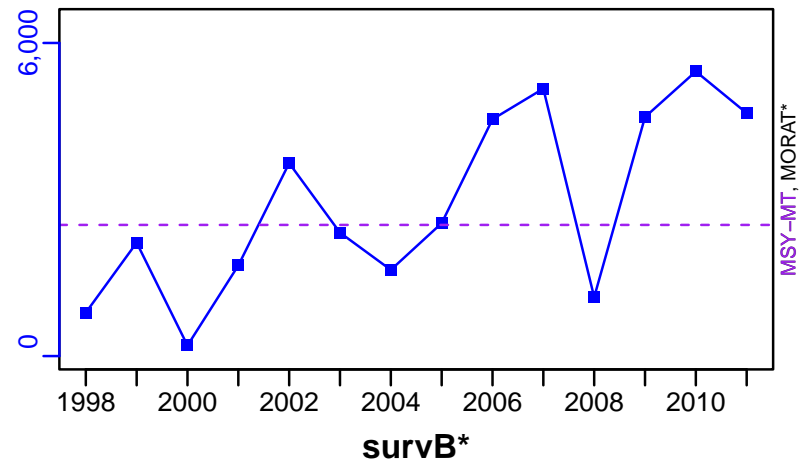
R-E00 (2005-2021-HIVELY)



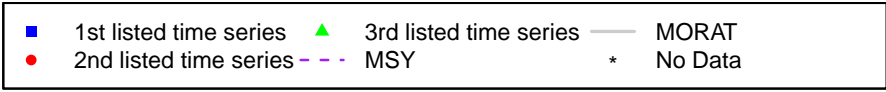
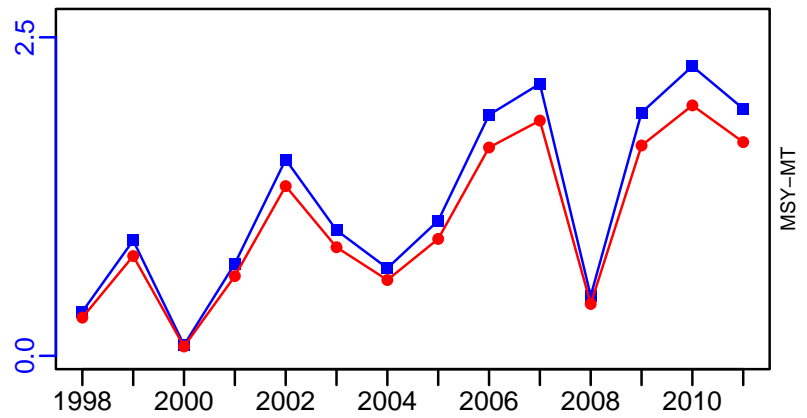
Anchovy South of Sicily [ANCHMEDGSA16]

TC-MT, TL*, RecC* (1998-2011-BANOBI)

TAC*, Cpair*, Cadv*



TC-MT/MSY-MT, CdivMEANC-ratio, (1998-2011-BANOBI)



Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]

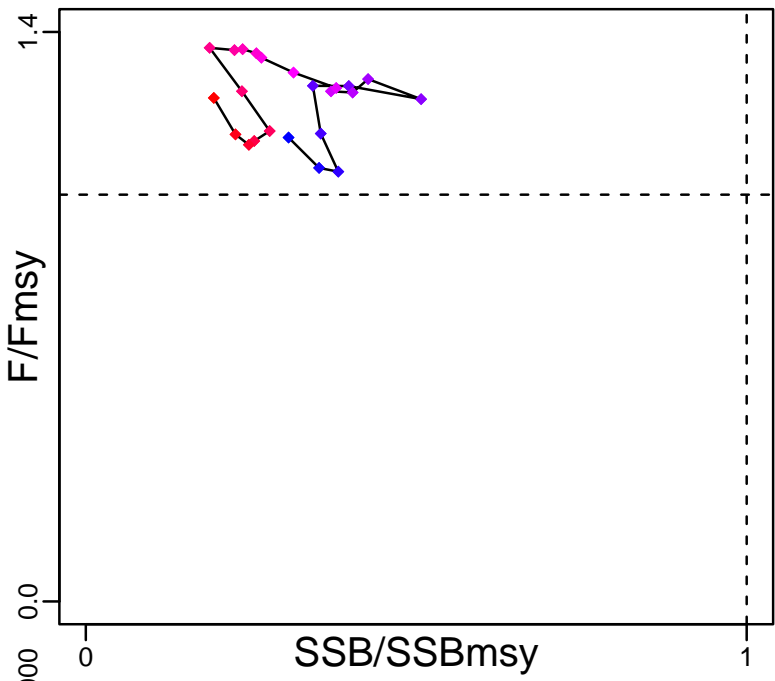
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGSASP-ANCHMEDGSA17-18-2000-2022-HIVELY
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2015, 2016, 2013, 2022

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2022	0.81
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2022	0.81
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2022	16,200
Flim	-	-	-
ERlim	-	-	-

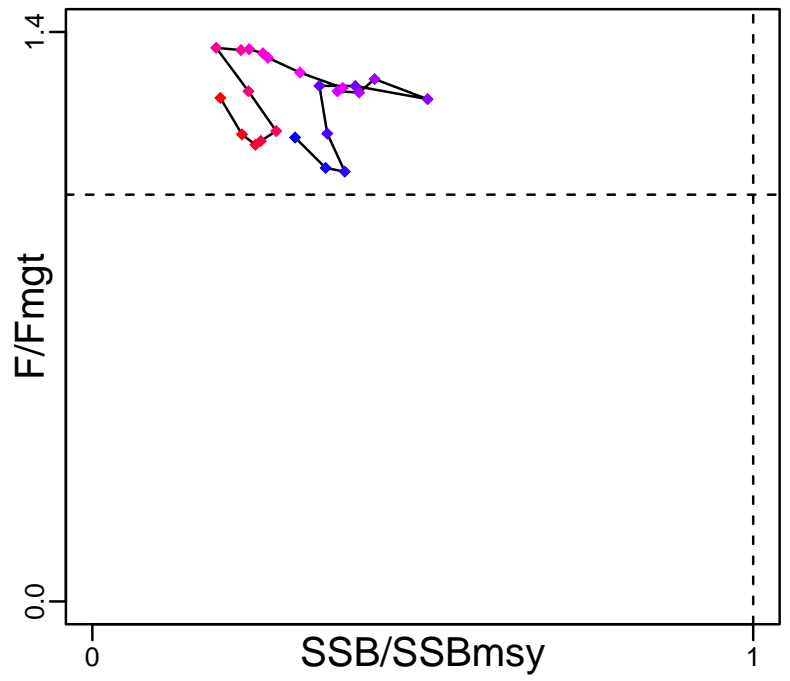
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	349,000	-	-
SSB	SSB-MT	2022	20,178	-	-
TN	-	-	-	-	-
R	R-E00	2022	72,574,075,600	-	-
F	F-1/yr	2022	1.003	-	-
ER	ER-calc-ratio	2015	0.113	-	-
TC	TC-MT	2022	28,665		
TL	TL-MT	2015	39,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2022	1.238		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.238		
ER/ERmgt	-	-	-		

Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]

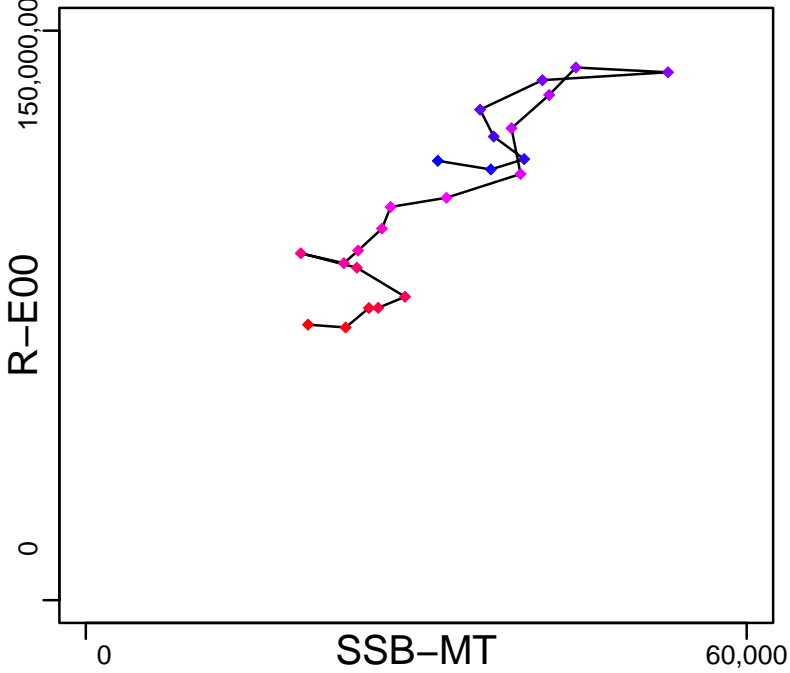
Kobe MSYpref (2000-2022-HIVELY)



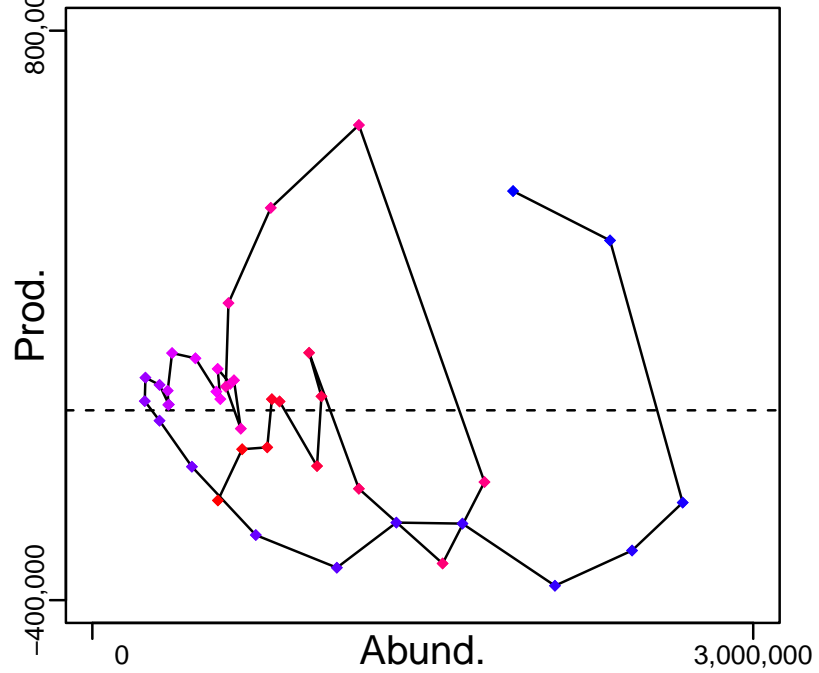
Kobe MGTpref (2000-2022-HIVELY)



Spawner Recruit (2000-2022-HIVELY)



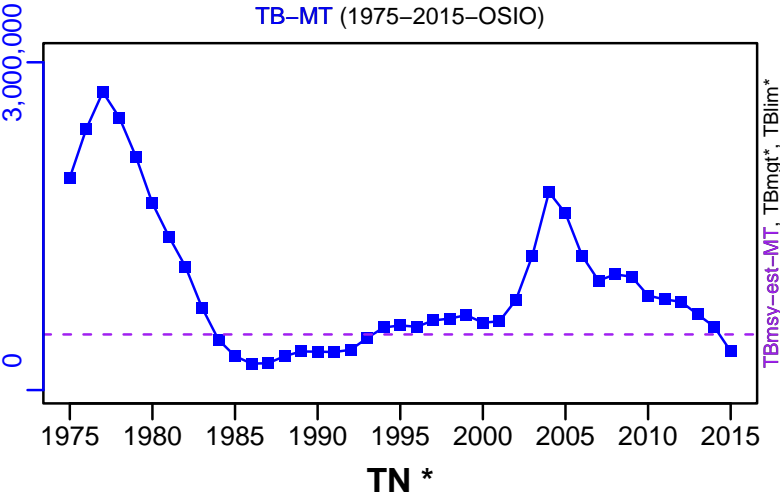
Production (2000-2022-HIVELY)



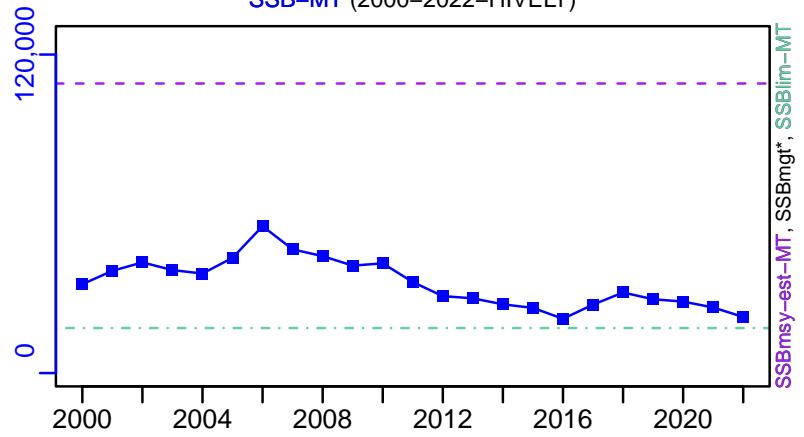
◆ Start Year ◆ End Year * No Data

Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]

TB-MT (1975-2015-OSIO)



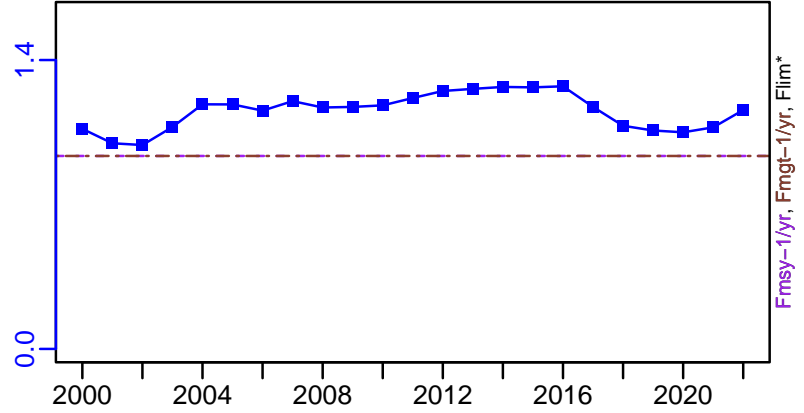
SSB-MT (2000-2022-HIVELY)



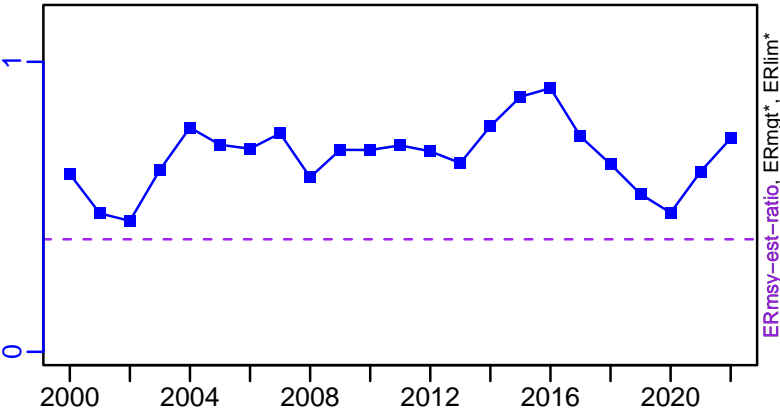
TN *



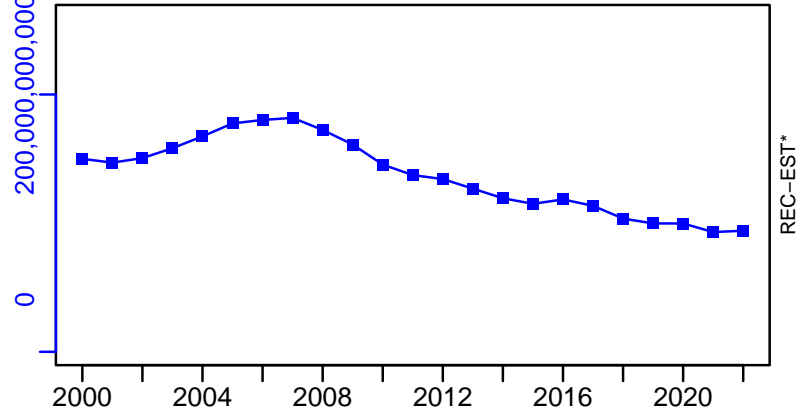
F-1/yr (2000-2022-HIVELY)



ER-calc-ratio (2000-2022-HIVELY)



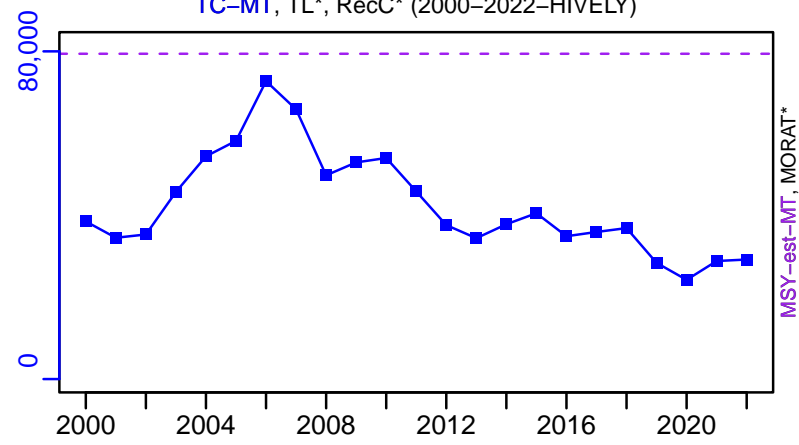
R-E00 (2000-2022-HIVELY)



Anchovy Adriatic Sea (GSA 17,18) [ANCHMEDGSA17-18]

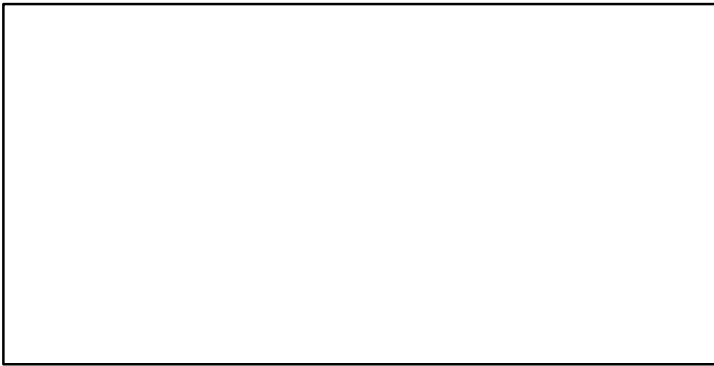
TC-MT, TL*, RecC* (2000-2022-HIVELY)

TAC*, Cpair*, Cadv*



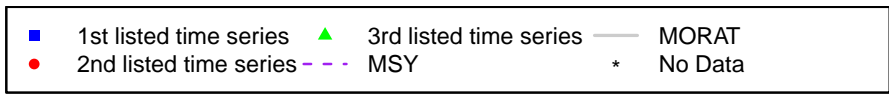
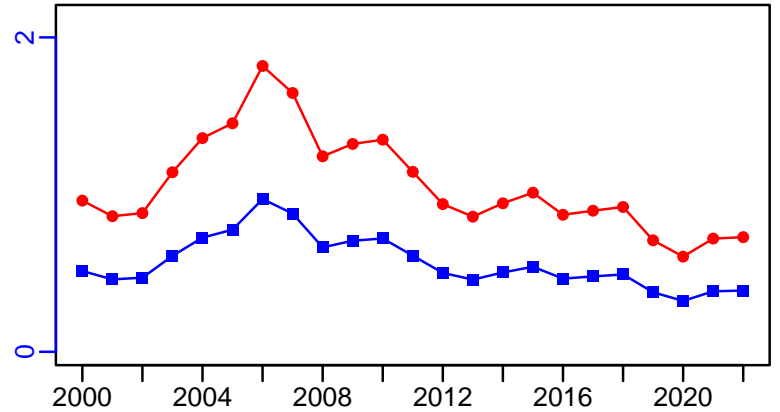
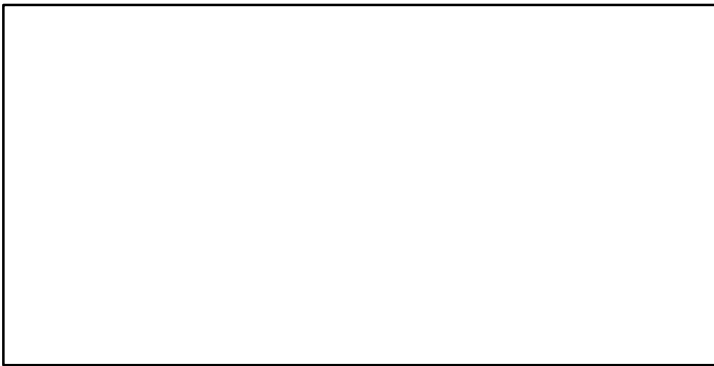
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2000-2022-HIVELY)



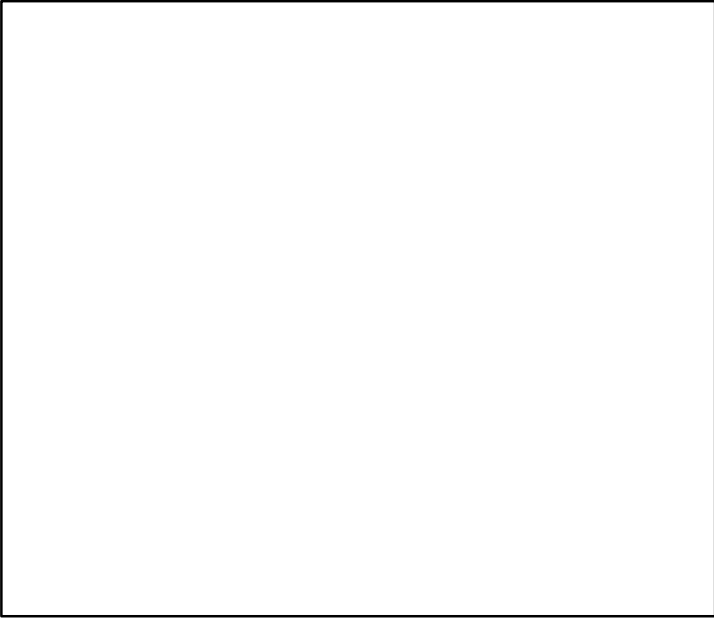
Anchovy Western Ionian Sea [ANCHMEDGSA19]

Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA19-2006-2012-OSIO
Area	Western Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

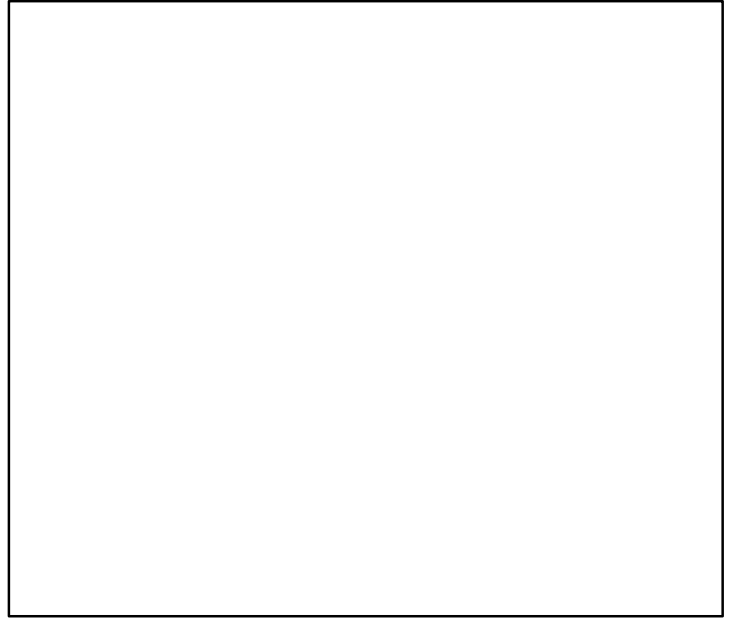
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	817		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

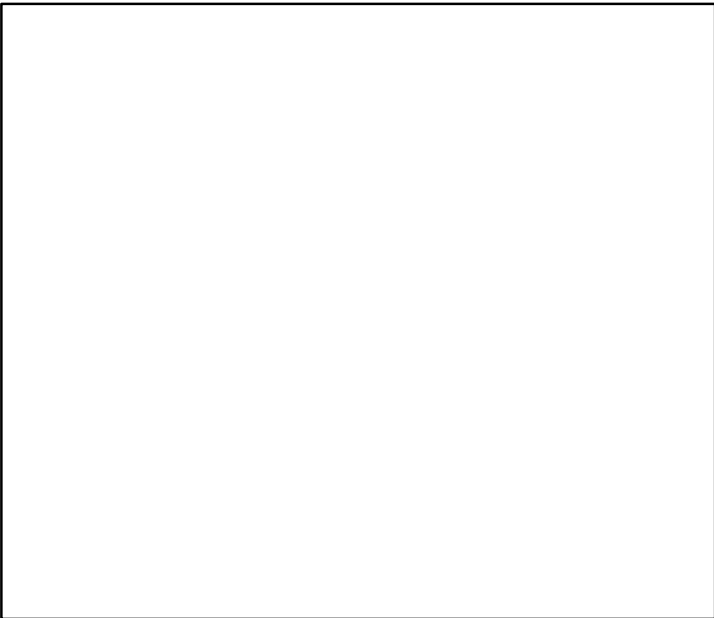
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Anchovy Western Ionian Sea [ANCHMEDGSA19]

TB*



SSB*



TN *



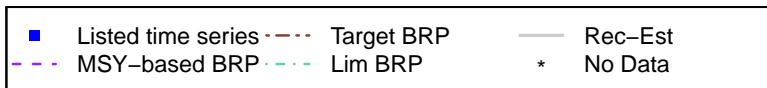
F*



ER*



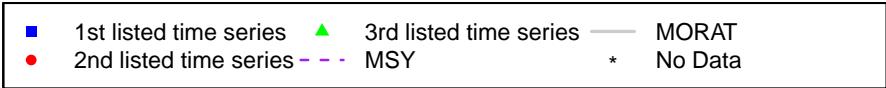
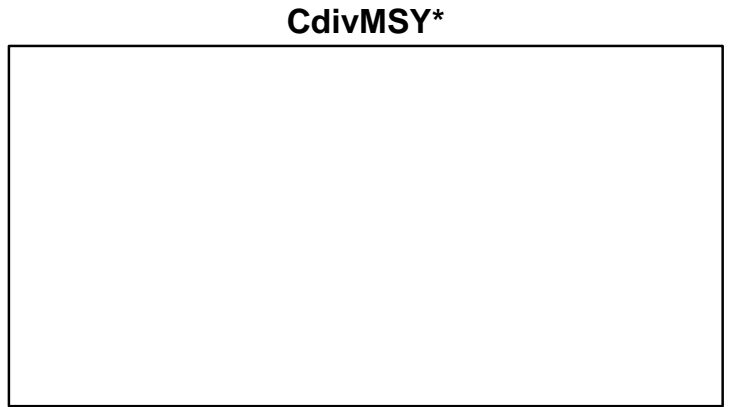
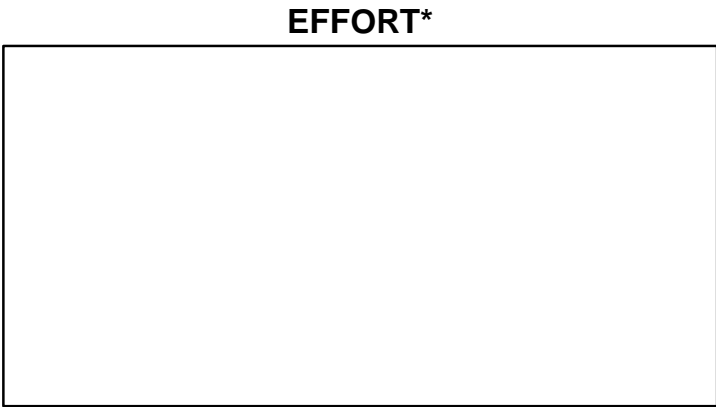
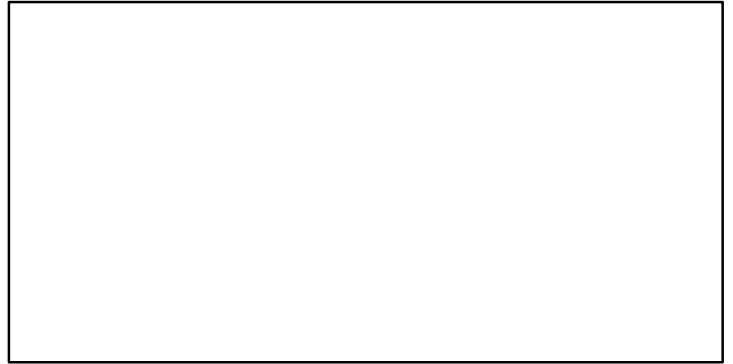
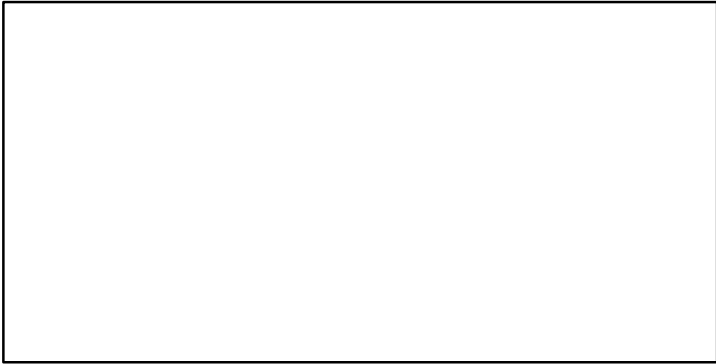
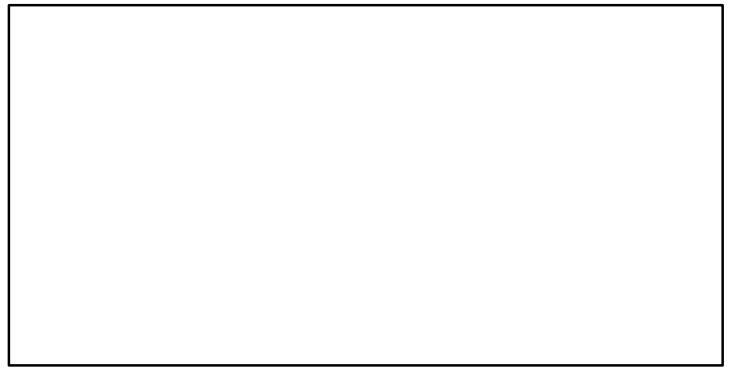
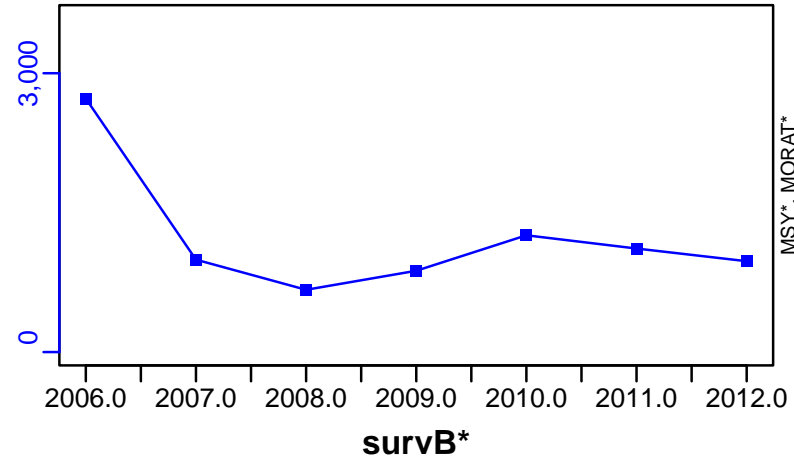
Recruits*



Anchovy Western Ionian Sea [ANCHMEDGSA19]

TC-MT, TL*, RecC* (2006-2012-OSIO)

TAC*, Cpair*, Cadv*



Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA20-2000-2008-OSIO
Area	Eastern Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	1190	-	-
TN	-	-	-	-	-
R	R-E00	2008	6.35×10^8	-	-
F	F-1/yr	2008	0.814	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	1310		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

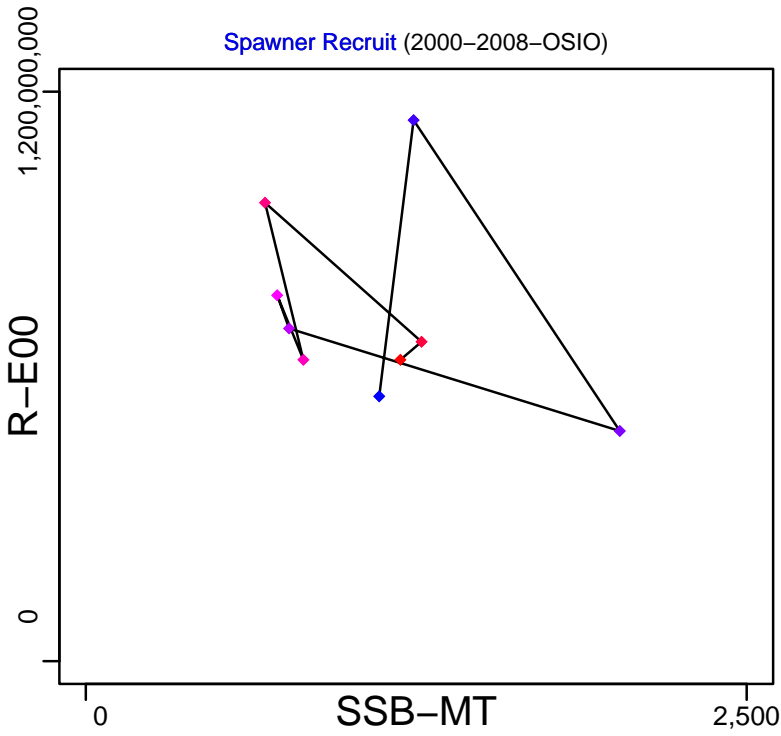
Kobe MSY*



Kobe MGT*



Spawner Recruit (2000-2008-OSIO)



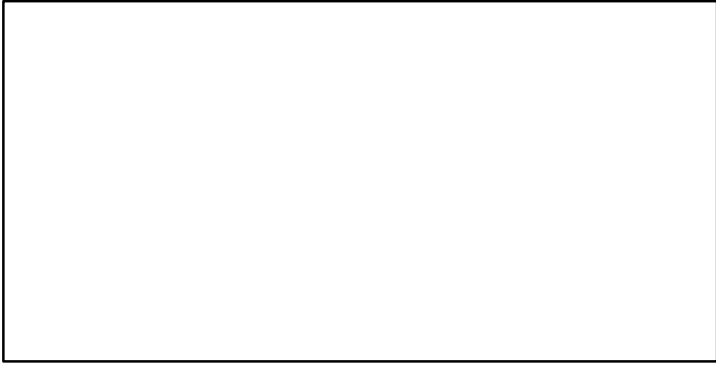
Production*



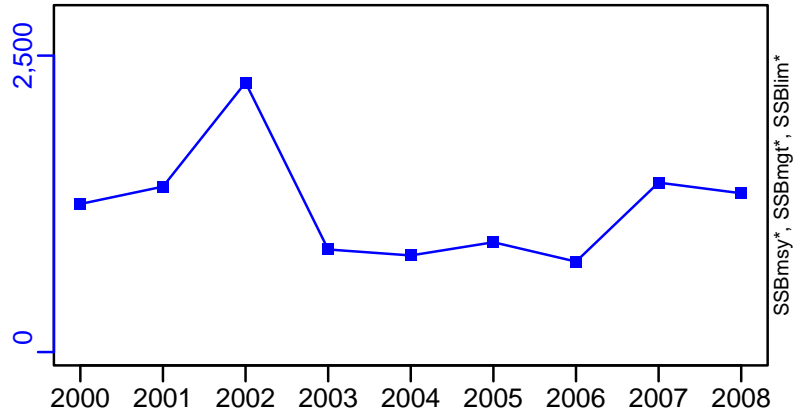
◆ Start Year ◆ End Year * No Data

Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

TB*



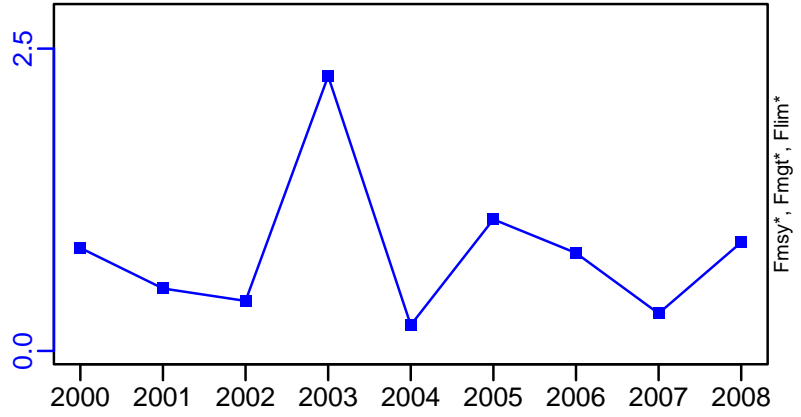
SSB-MT (2000-2008-OSIO)



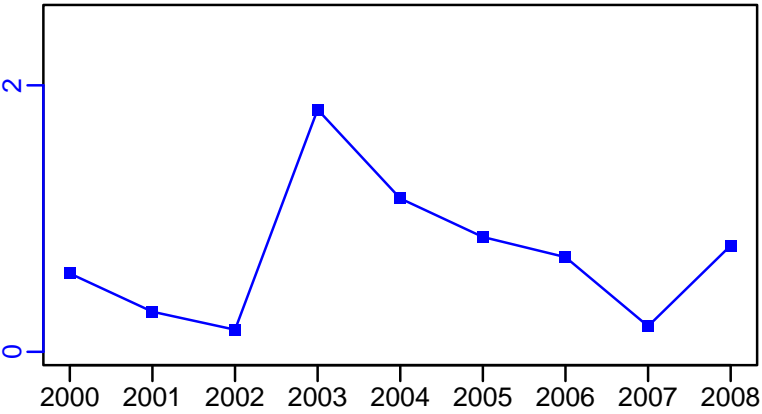
TN *



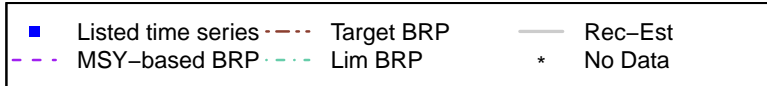
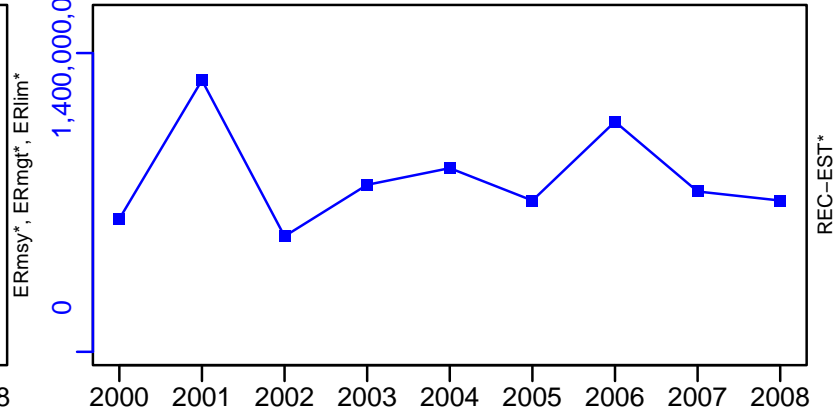
F-1/yr (2000-2008-OSIO)



ER-calc-ratio (2000-2008-OSIO)



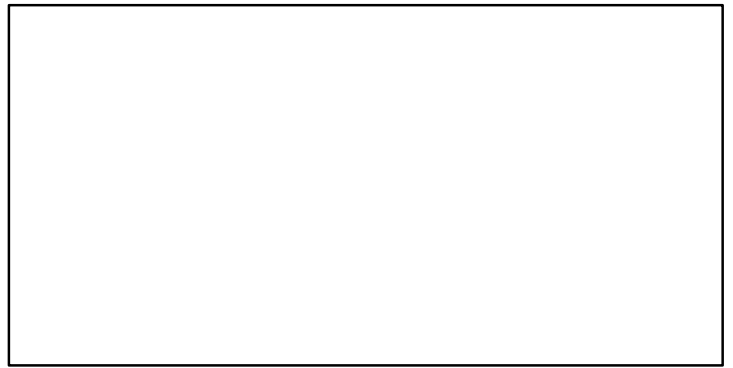
R-E00 (2000-2008-OSIO)



Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

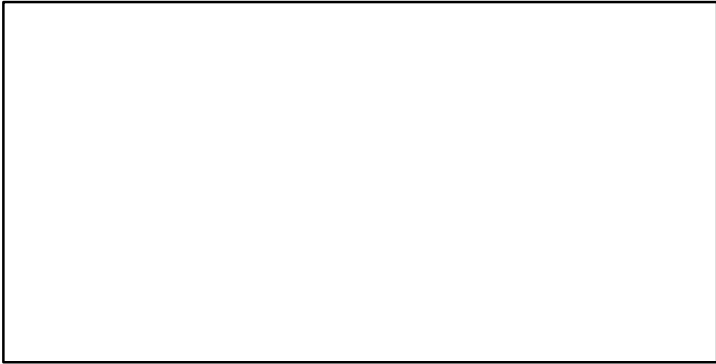
TC-MT, TL*, RecC* (2000-2008-OSIO)

TAC*, Cpair*, Cadv*



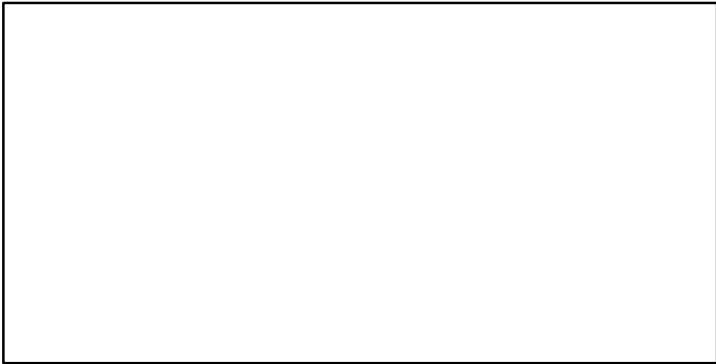
survB*

CPUE*



EFFORT*

CdivMSY*



Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

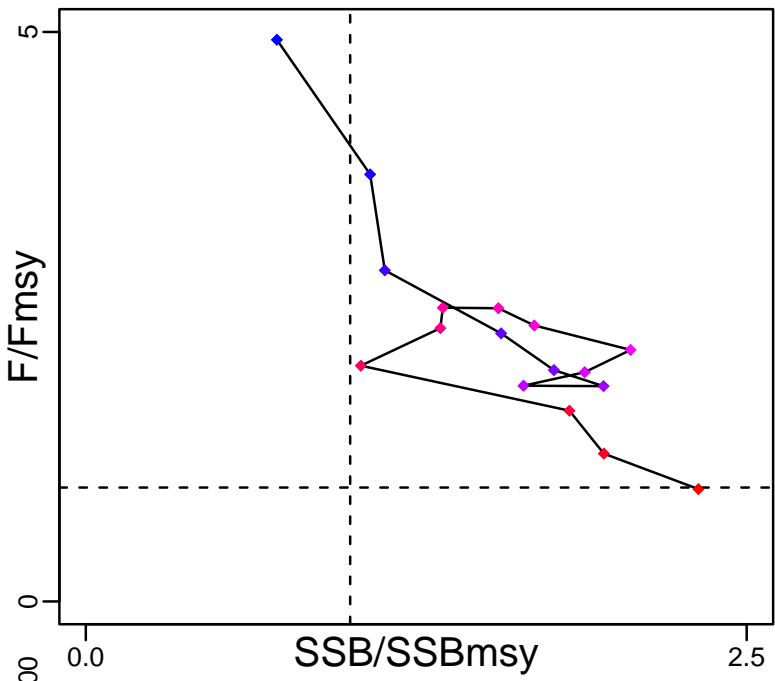
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA22-23-2000-2016-MEDIMP2021-2
Area	Aegean Sea and Crete Island (GSA 22,23)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.47
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.47
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

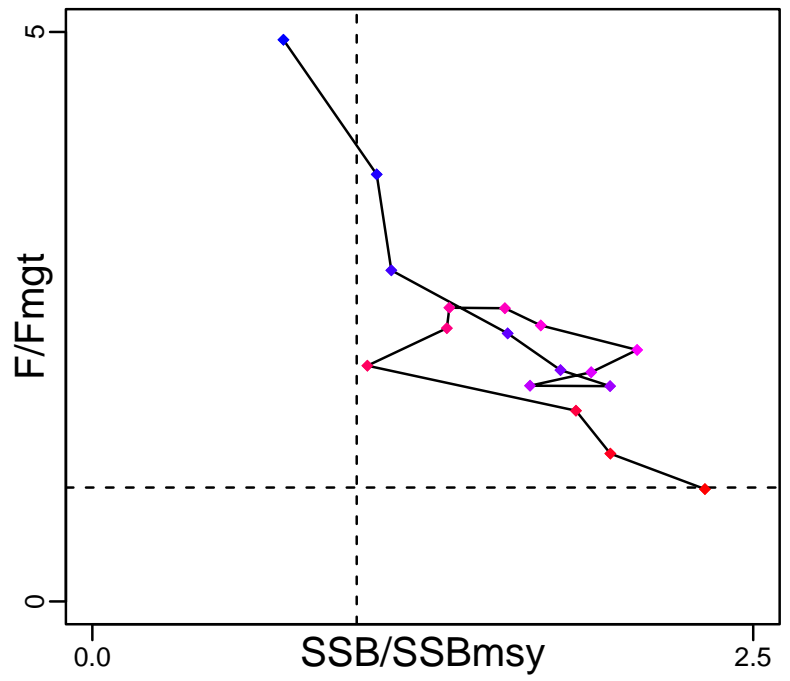
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	74,802	-	-
TN	-	-	-	-	-
R	R-E00	2016	26,458,735,000	-	-
F	F-1/yr	2016	0.464	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	10,610		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.986		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.986		
ER/ERmgt	-	-	-		

Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

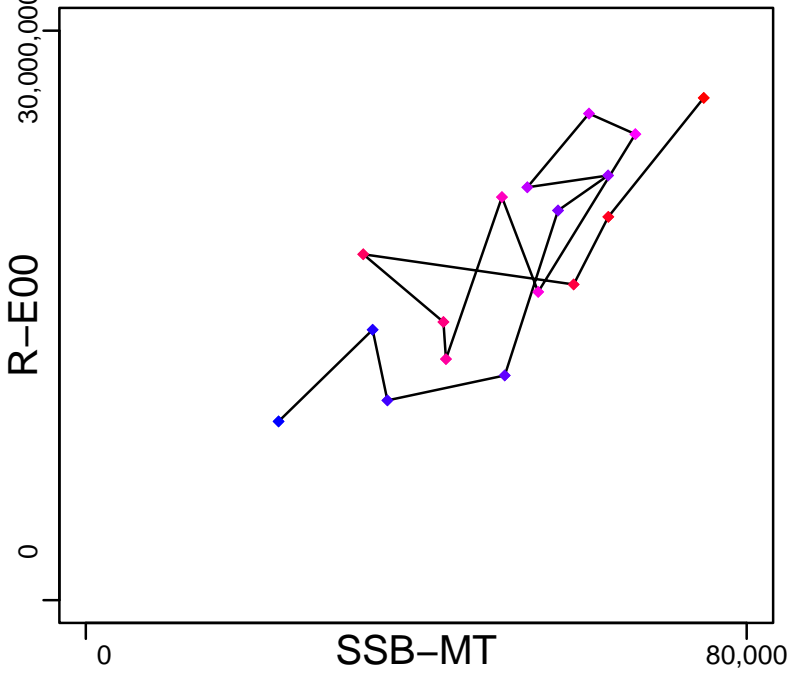
Kobe MSYpref (2000-2016-MEDIMP2021-2)



Kobe MGTpref (2000-2016-MEDIMP2021-2)



Spawner Recruit (2000-2016-MEDIMP2021-2)



Production*



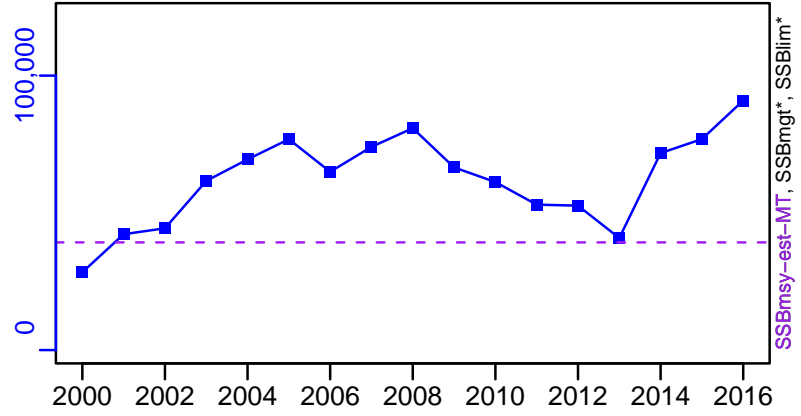
◆ Start Year ◆ End Year * No Data

Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

TB*



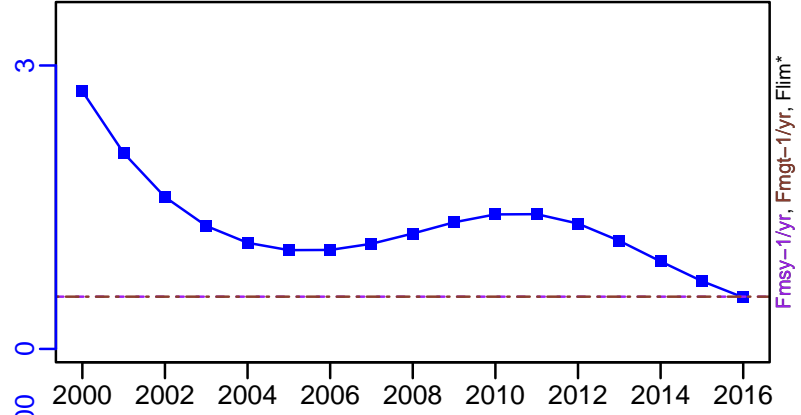
SSB-MT (2000-2016-MEDIMP2021-2)



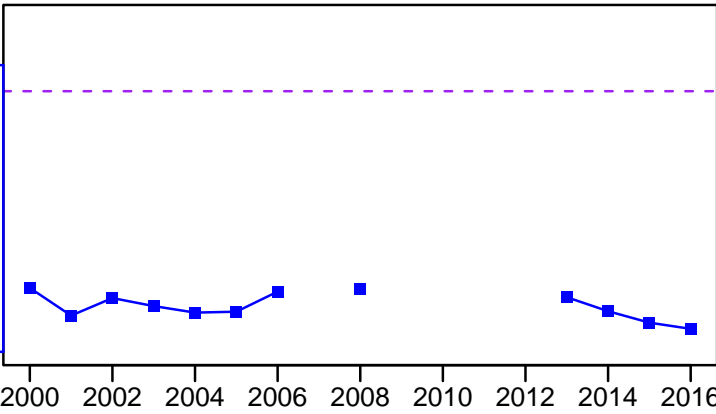
TN *



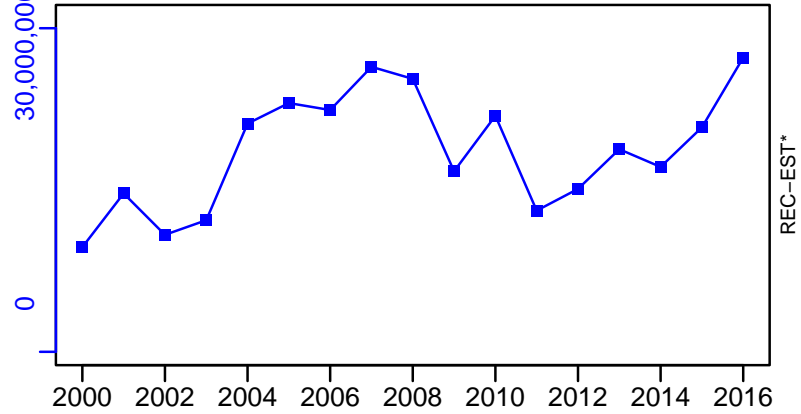
F-1/yr (2000-2016-MEDIMP2021-2)



ER-calc-ratio (2000-2016-MEDIMP2021-2)



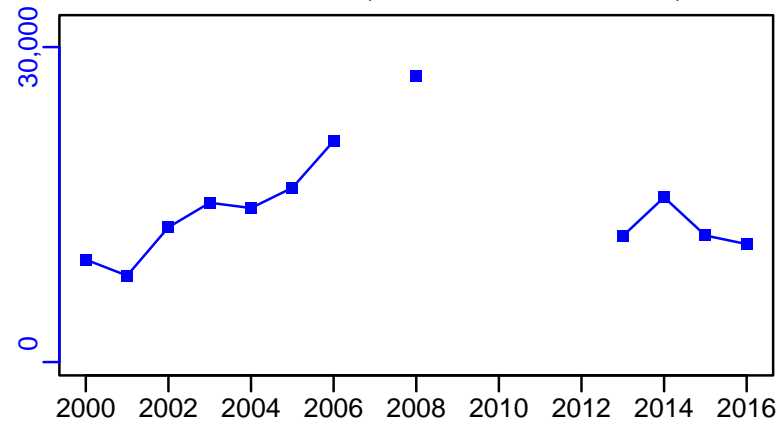
R-E00 (2000-2016-MEDIMP2021-2)



Anchovy Aegean Sea and Crete Island (GSA 22,23) [ANCHMEDGSA22-23]

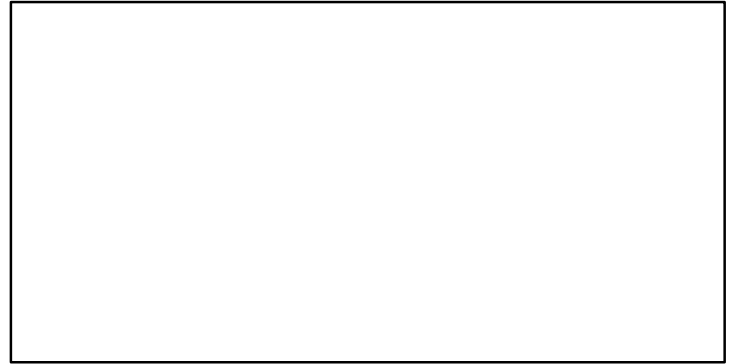
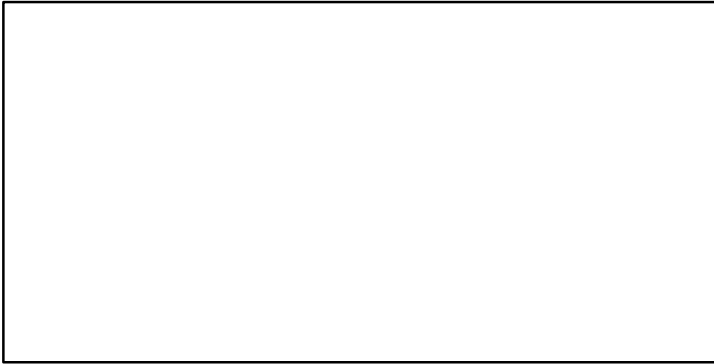
TC-MT, TL*, RecC* (2000-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



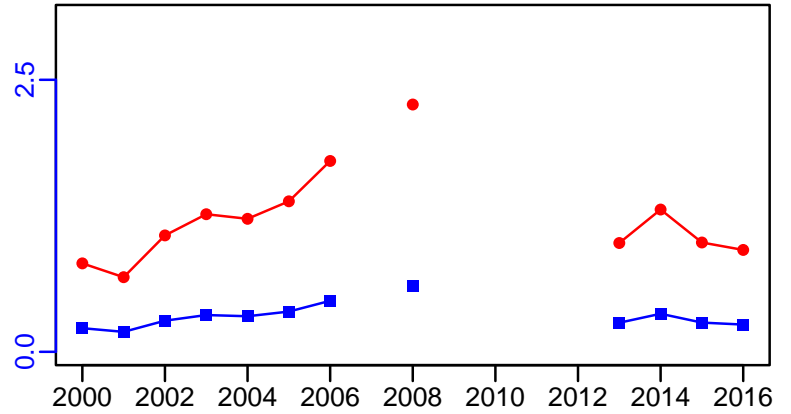
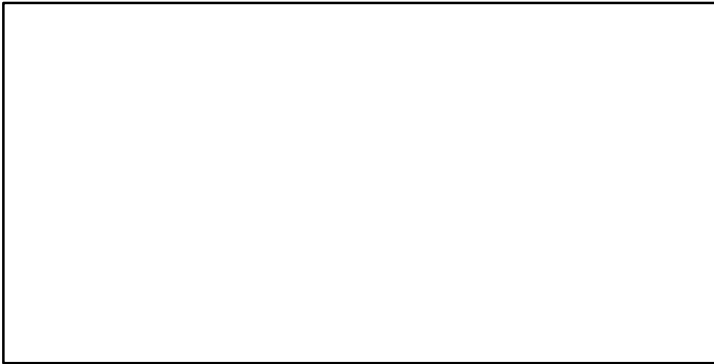
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2000-2016-MEDIMP2021-2)



Anchovy Black Sea [ANCHMEDGSA29]

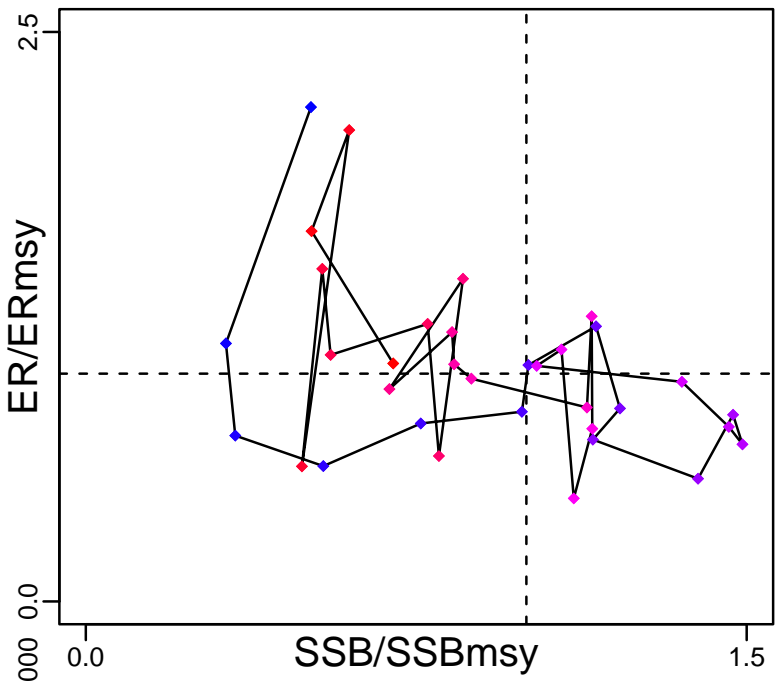
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	SGSABS-ANCHMEDGSA29-1986-2021-HIVELY
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Subregional Group on Stock Assessment for the Black Sea
Asmts in RAM	2021, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.49
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.49
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

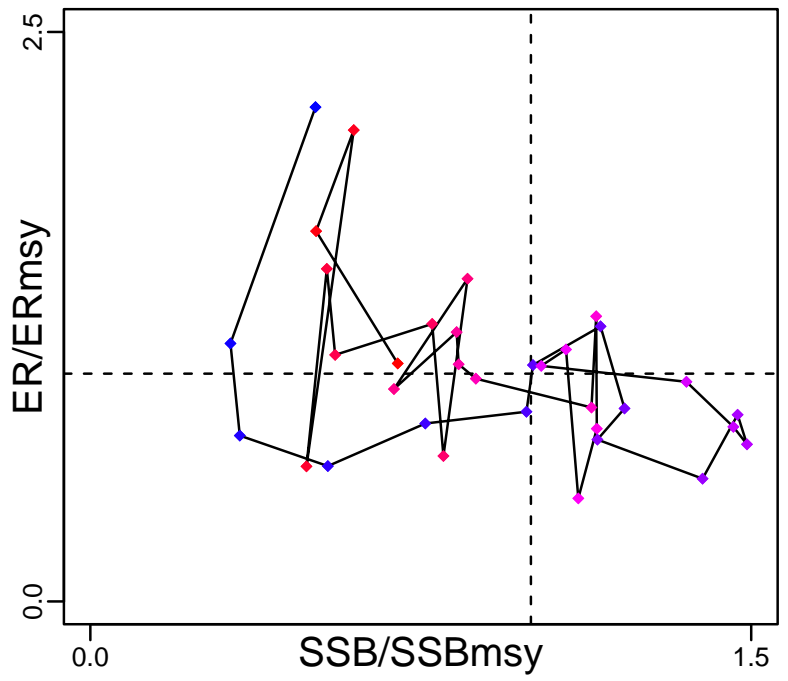
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	431,067	-	-
TN	-	-	-	-	-
R	R-E00	2021	$5.383,29 \times 10^{11}$	-	2
F	F-1/yr	2021	1.39	-	-
ER	-	-	-	-	-
TC	TC-MT	2021	196,066		
TL	TL-MT	2021	196,066		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.289		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.289		
ER/ERmgt	-	-	-		

Anchovy Black Sea [ANCHMEDGSA29]

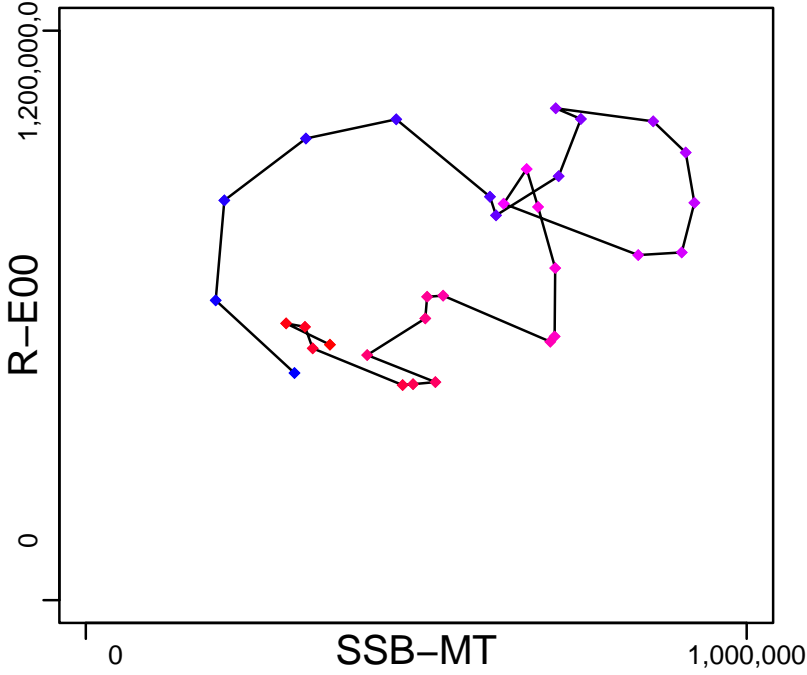
Kobe MSYpref (1986–2021–HIVELY)



Kobe MGTpref (1986–2021–HIVELY)



Spawner Recruit (1986–2021–HIVELY)



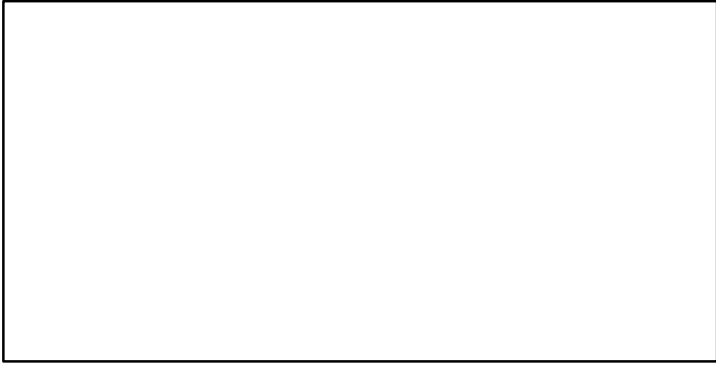
Production*



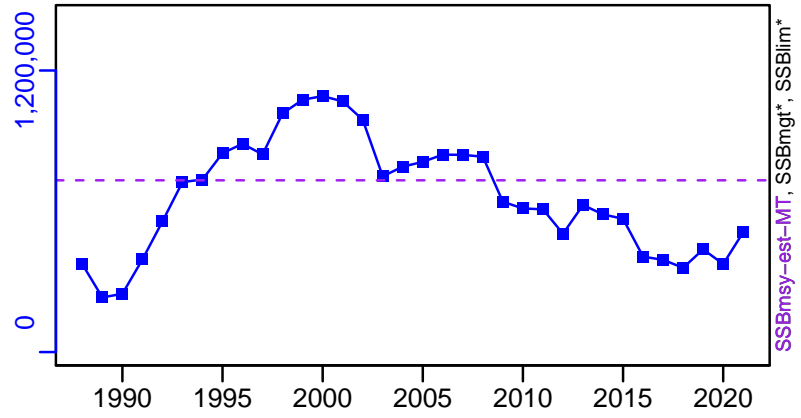
◆ Start Year ◆ End Year * No Data

Anchovy Black Sea [ANCHMEDGSA29]

TB*



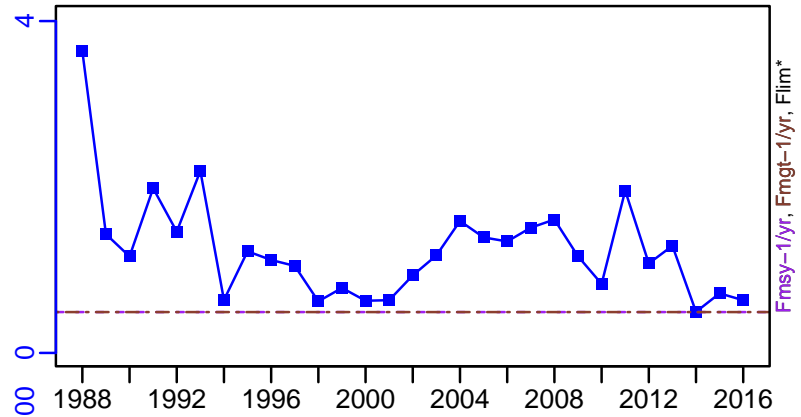
SSB-MT (1986-2021-HIVELY)



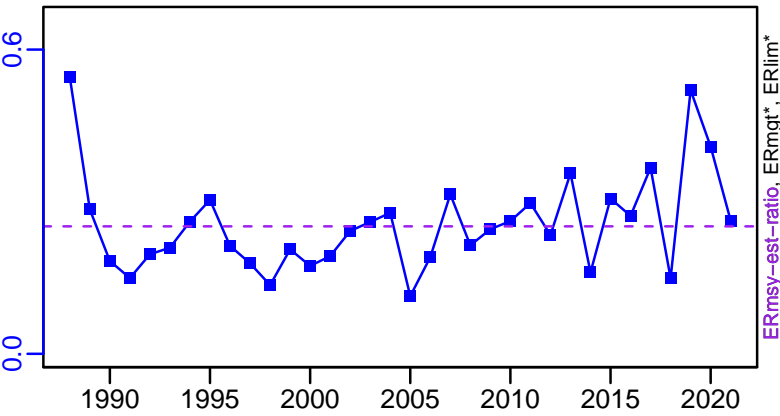
TN *



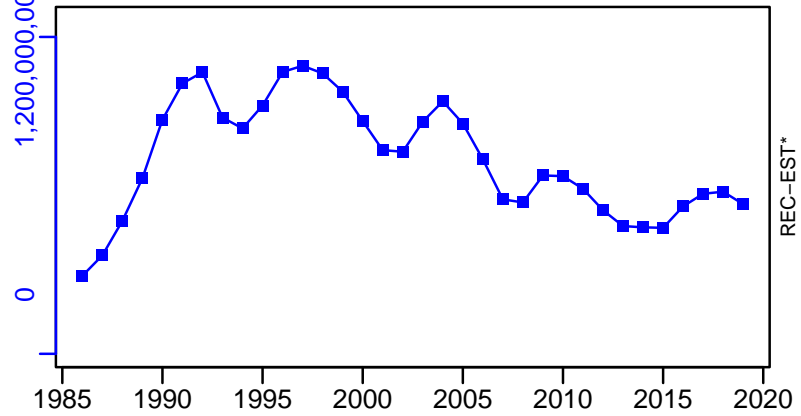
F-1/yr (1988-2016-MEDIMP2021-2)



ER-calc-ratio (1986-2021-HIVELY)



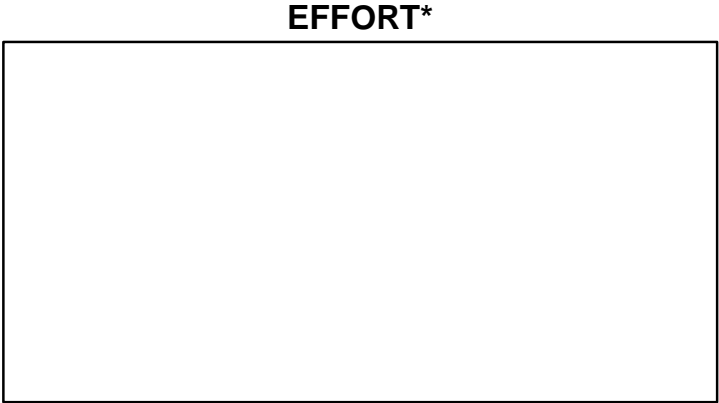
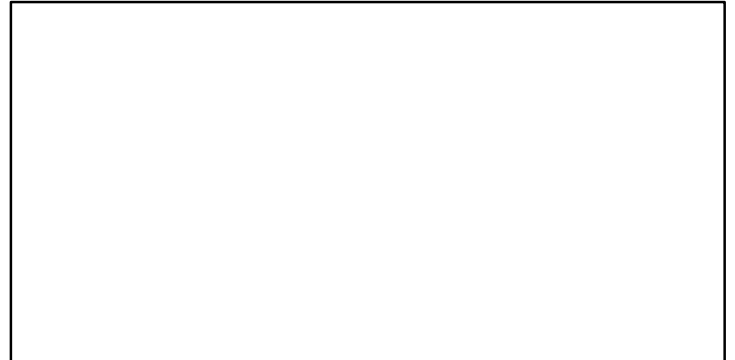
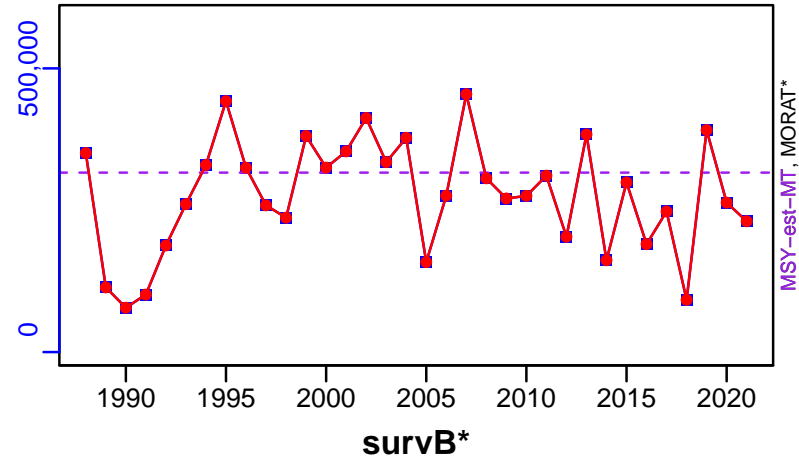
R-E00 (1986-2021-HIVELY)



Anchovy Black Sea [ANCHMEDGSA29]

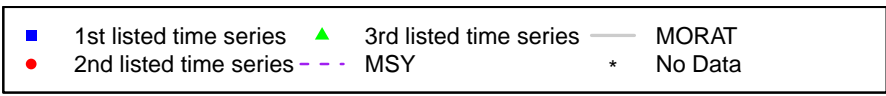
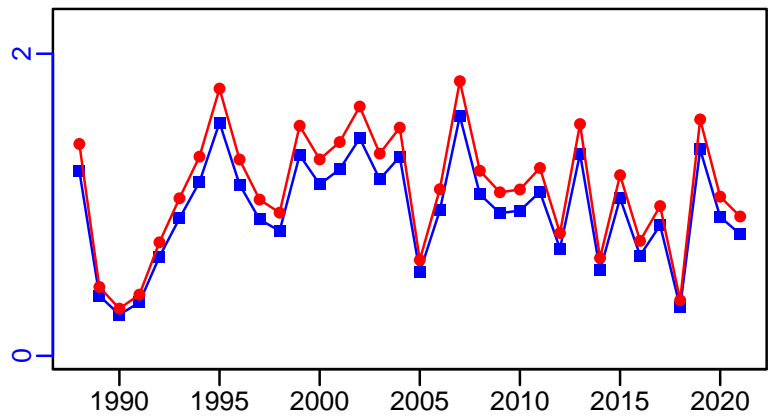
TC-MT, TL-MT, RecC* (1986-2021-HIVELY)

TAC*, Cpair*, Cadv*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (1986-2021-HIVELY)



Anchovy Northern Spain [ANCHMEDGSA6]

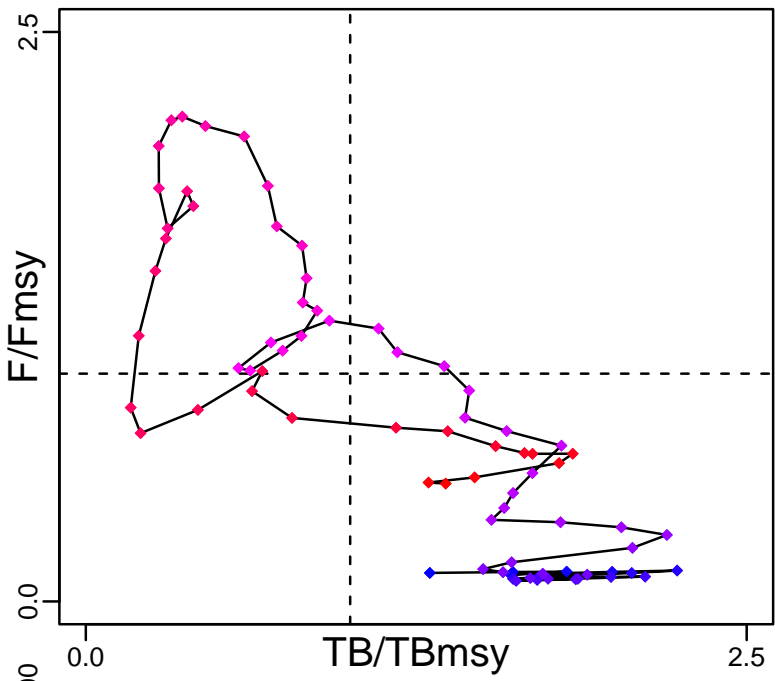
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGSASP-ANCHMEDGSA6-1945-2021-HIVELY
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2015, 2016, 2009, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2021	48,346
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2021	0.331
ERmsy	-	-	-
TBmgt	TBmgt-MT	2021	48,346
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.331
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

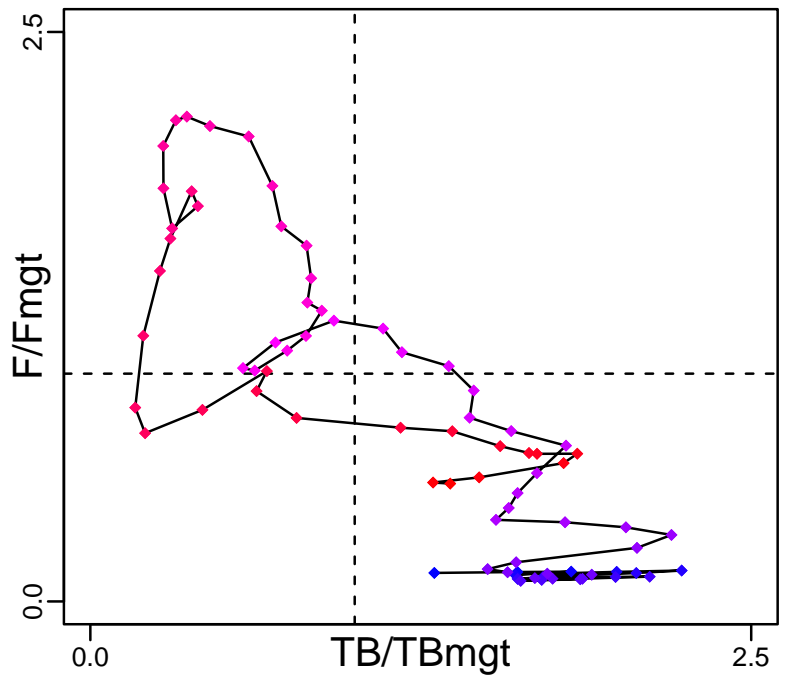
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	65,817	-	-
SSB	SSB-MT	2009	26,500	-	-
TN	-	-	-	-	-
R	R-E00	2009	1.38 × 10 ⁹	-	-
F	F-1/yr	2021	0.171	-	-
ER	ER-calc-ratio	2021	0.166	-	-
TC	TC-MT	2016	17,466		
TL	TL-MT	2021	10,920		
TB/TBmsy	TB-MT/TBmsy-MT	2021	1.361		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.517		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2021	1.361		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.517		
ER/ERmgt	-	-	-		

Anchovy Northern Spain [ANCHMEDGSA6]

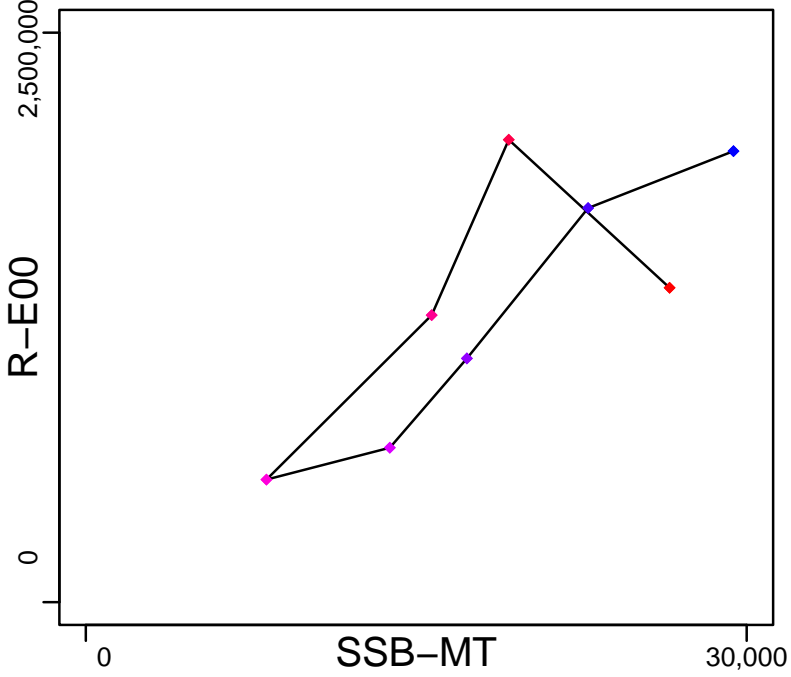
Kobe MSYpref (1945–2021–HIVELY)



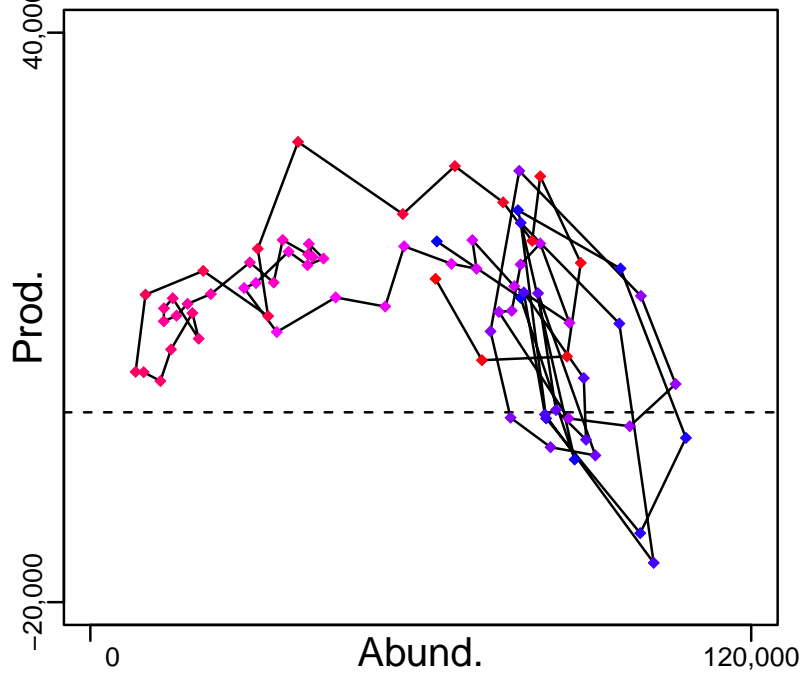
Kobe MGTpref (1945–2021–HIVELY)



Spawner Recruit (2002–2009–OSIO)

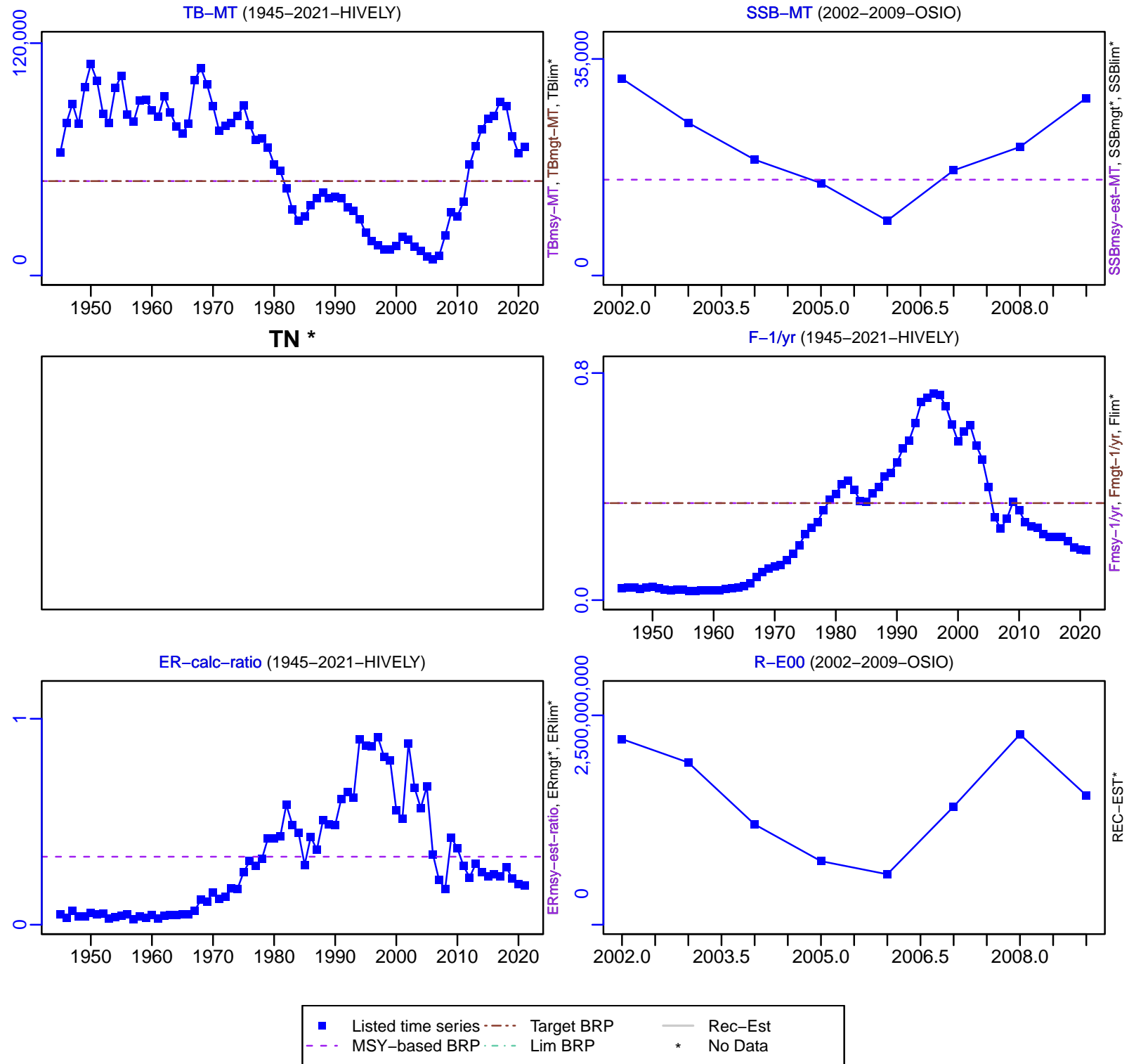


Production (1945–2021–HIVELY)



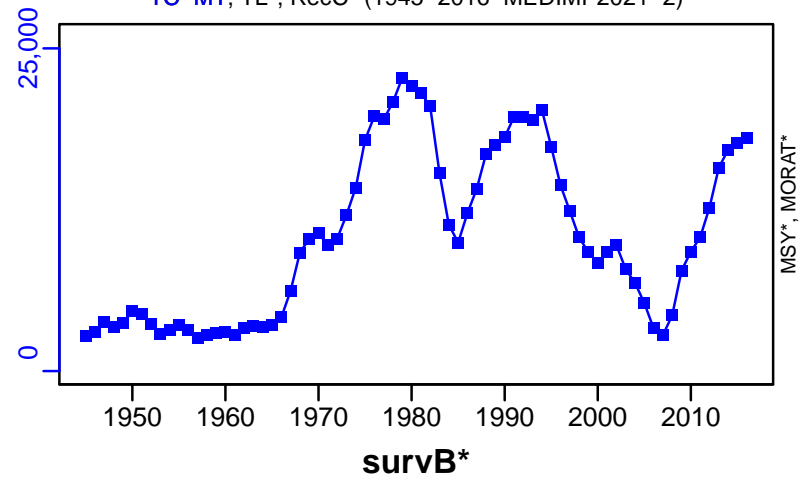
◆ Start Year ◆ End Year * No Data

Anchovy Northern Spain [ANCHMEDGSA6]

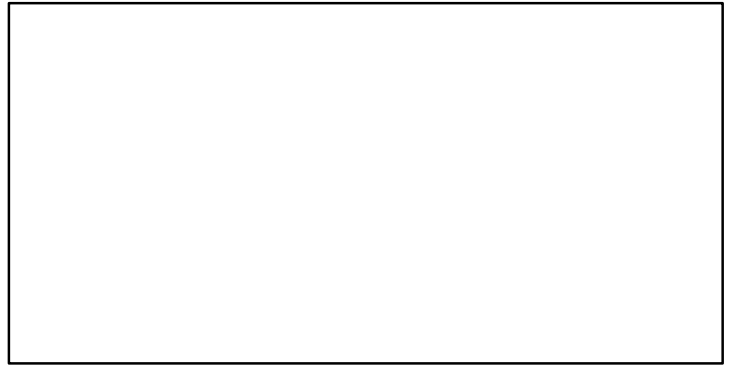


Anchovy Northern Spain [ANCHMEDGSA6]

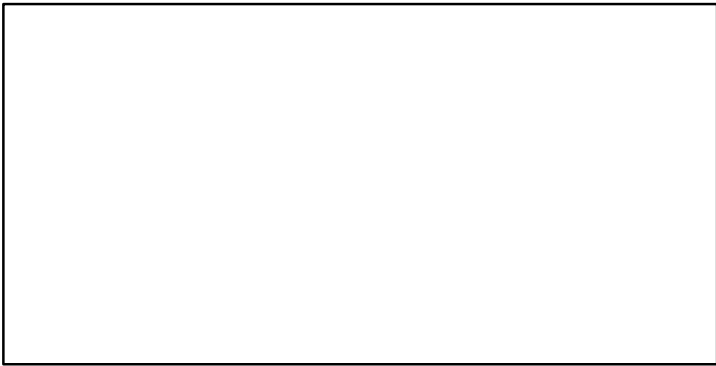
TC-MT, TL*, RecC* (1945-2016-MEDIMP2021-2)



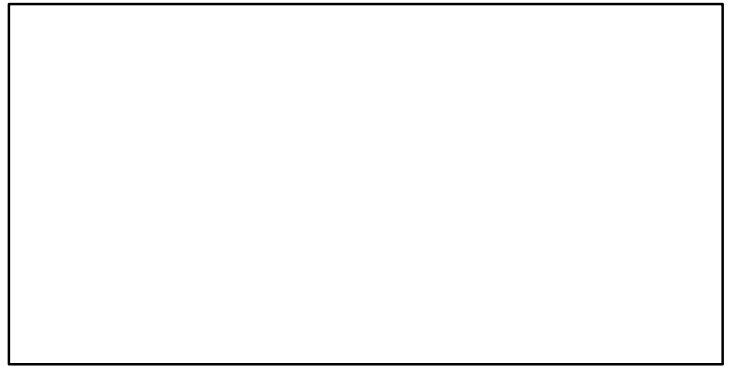
TAC*, Cpair*, Cadv*



survB*



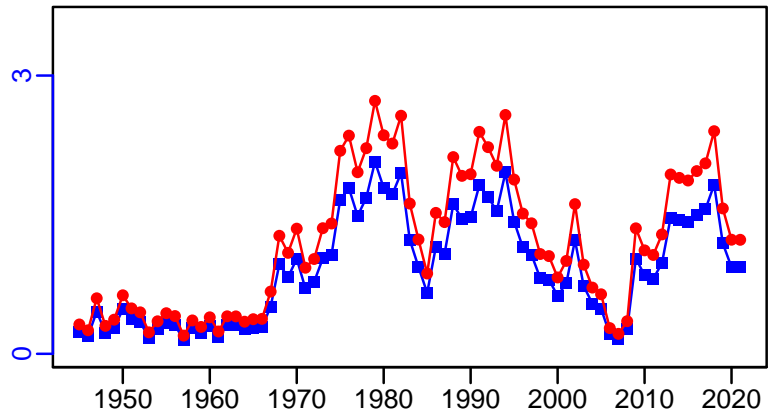
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1945-2021-HIVELY)



Anchovy Gulf of Lions [ANCHMEDGSA7]

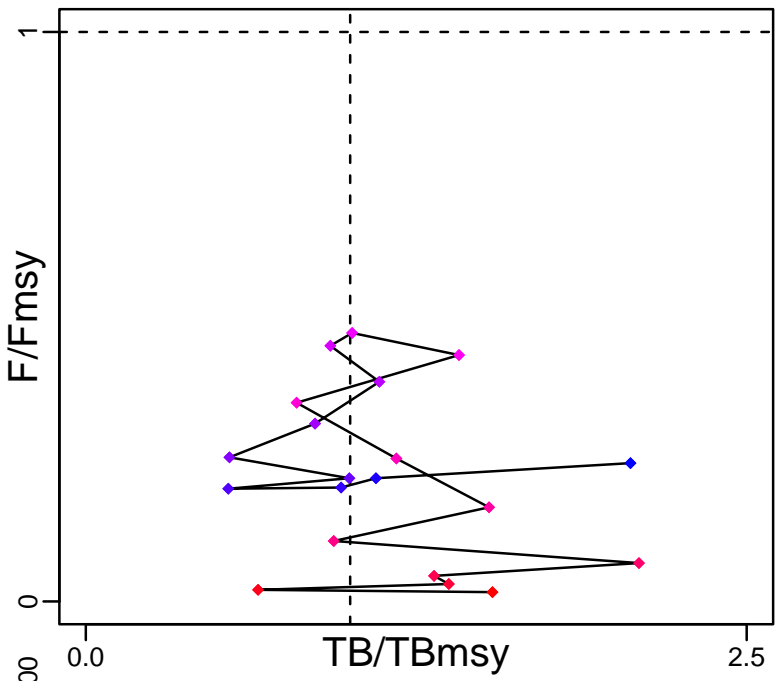
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	WGSASP-ANCHMEDGSA7-1993-2021-HIVELY
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2012, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2021	0.49
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.49
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	TBlim-MT	2021	22,889
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

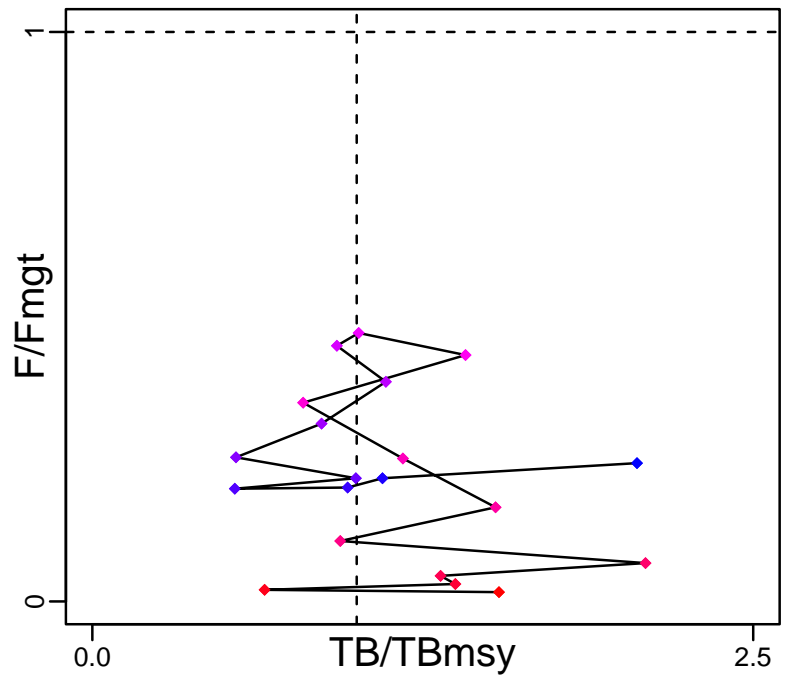
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	42,811	-	-
SSB	SSB-MT	2021	135,153	-	-
TN	-	-	-	-	-
R	R-E00	2021	38,688,921,000	-	0
F	F-1/yr	2021	0.008	-	-
ER	ER-calc-ratio	2021	0.038	-	-
TC	-	-	-		
TL	TL-MT	2021	696		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.016		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.016		
ER/ERmgt	-	-	-		

Anchovy Gulf of Lions [ANCHMEDGSA7]

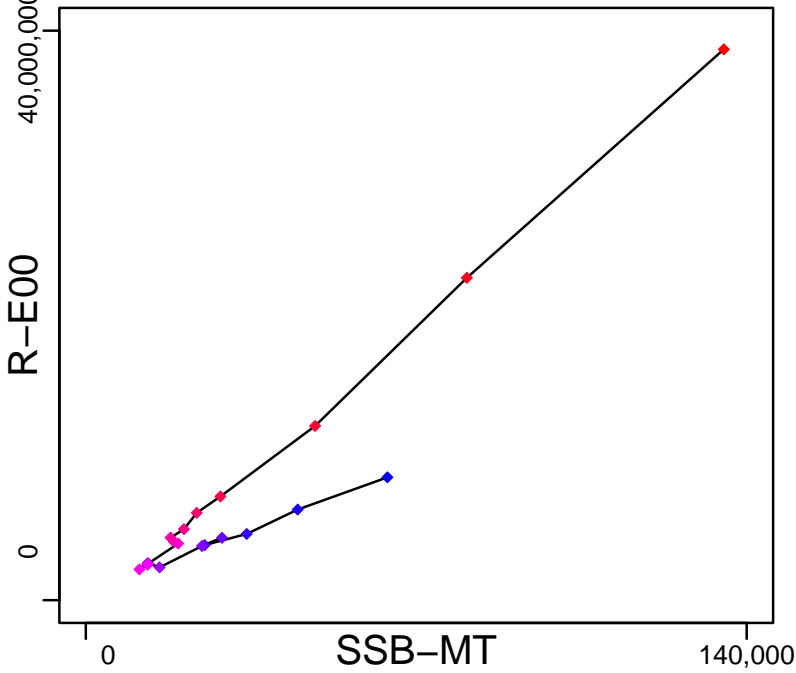
Kobe MSYpref (1993–2021–HIVELY)



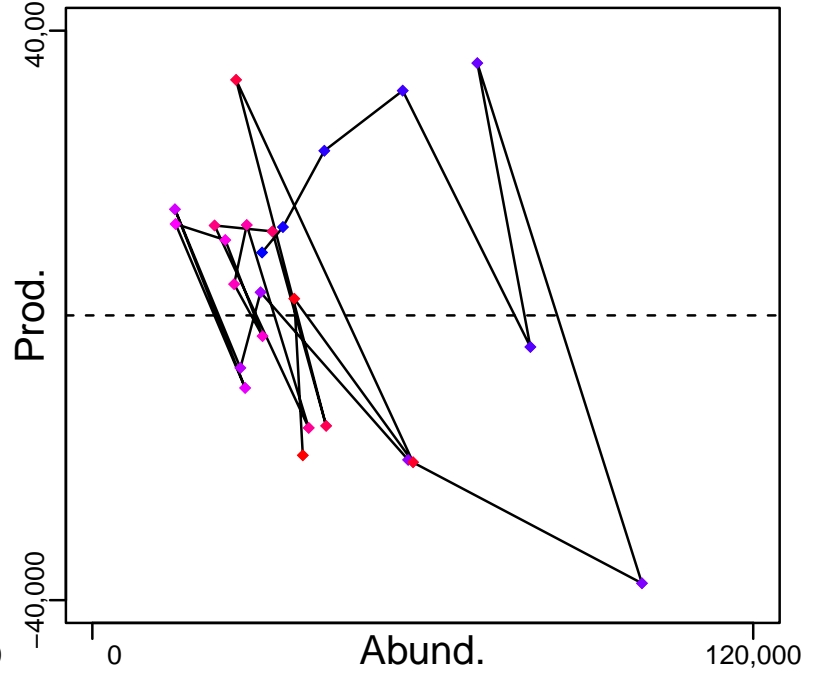
Kobe MGTpref (1993–2021–HIVELY)



Spawner Recruit (1993–2021–HIVELY)



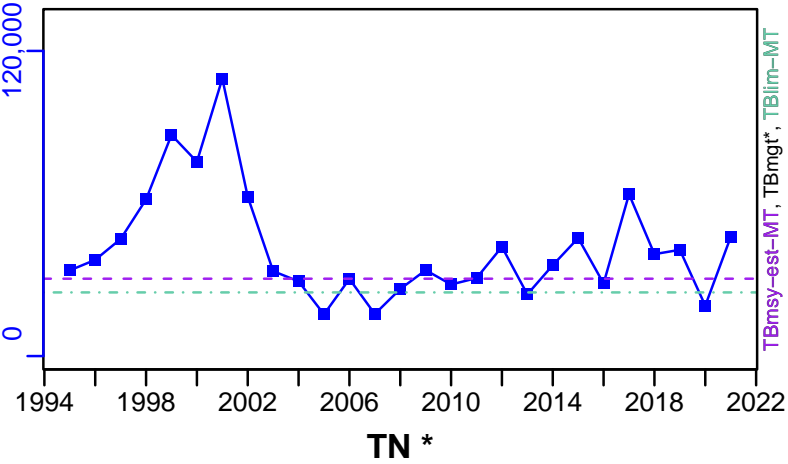
Production (1993–2021–HIVELY)



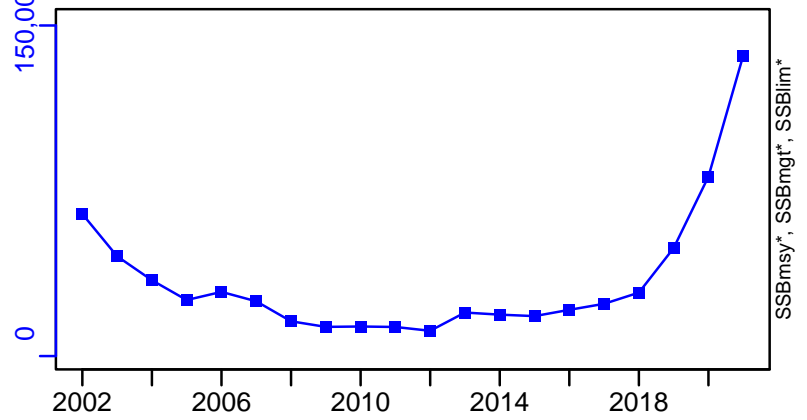
◆ Start Year ◆ End Year * No Data

Anchovy Gulf of Lions [ANCHMEDGSA7]

TB-MT (1993-2021-HIVELY)



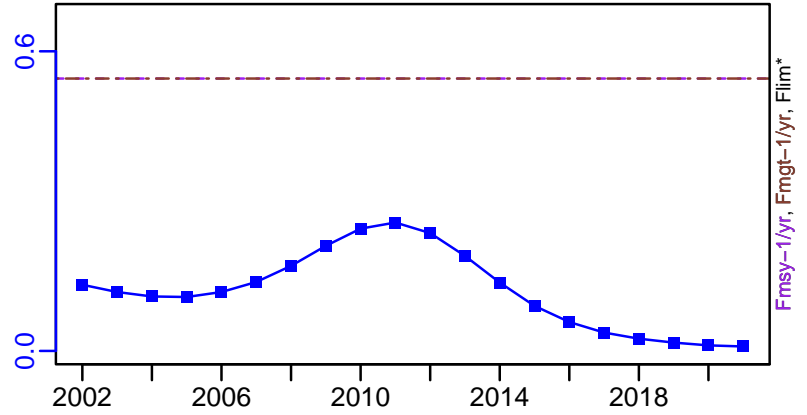
SSB-MT (1993-2021-HIVELY)



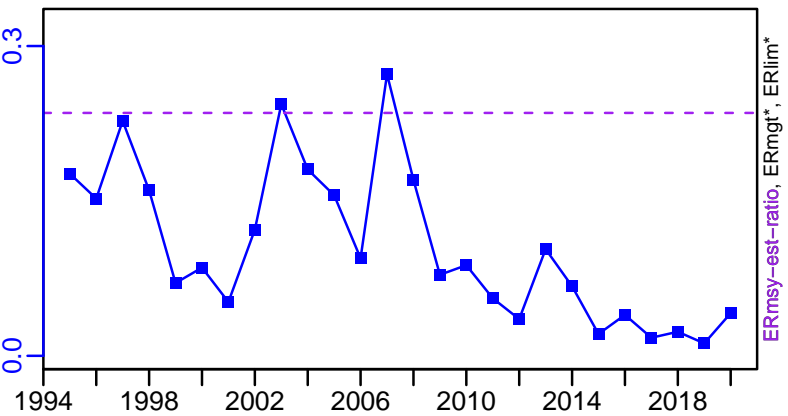
TN *



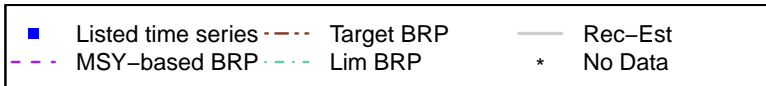
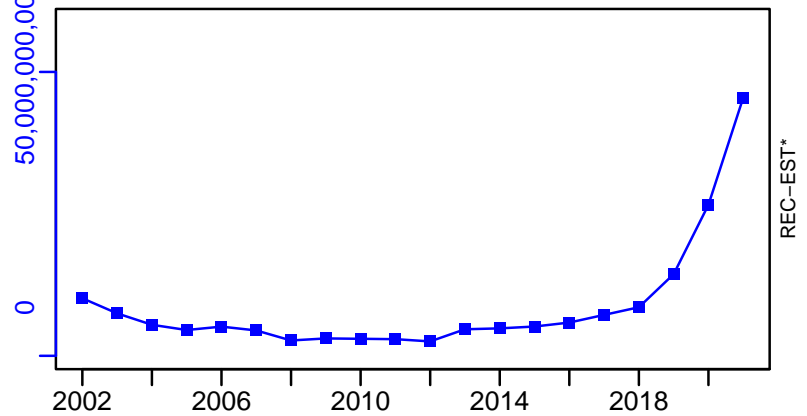
F-1/yr (1993-2021-HIVELY)



ER-calc-ratio (1993-2021-HIVELY)



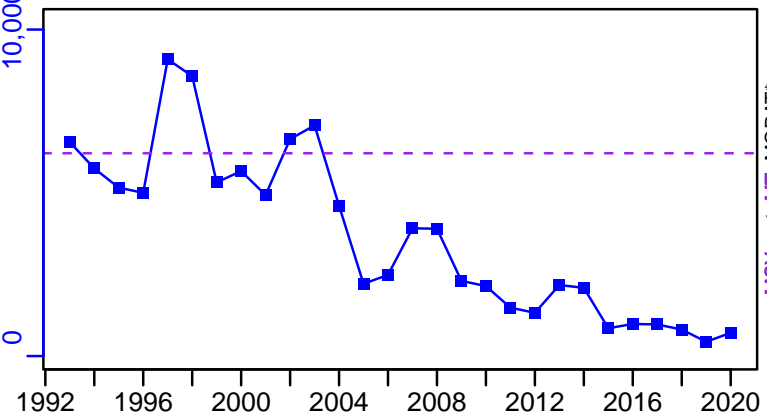
R-E00 (1993-2021-HIVELY)



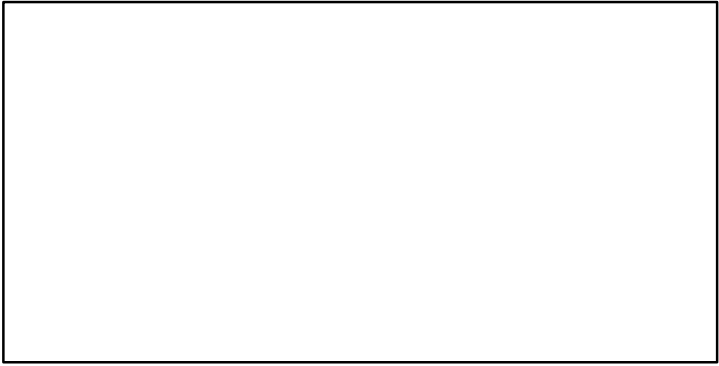
Anchovy Gulf of Lions [ANCHMEDGSA7]

TL-MT, TC*, RecC* (1993-2021-HIVELY)

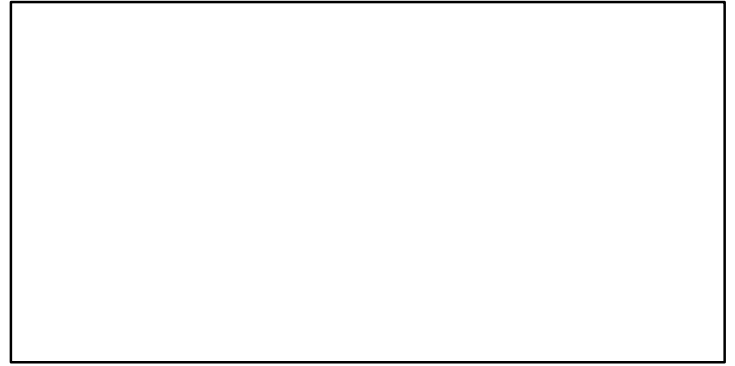
TAC*, Cpair*, Cadv*



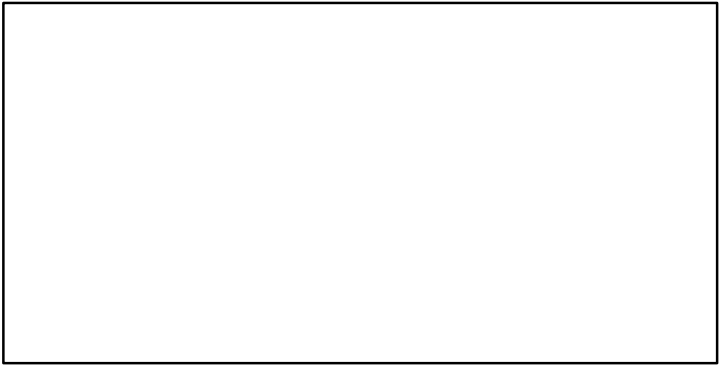
survB*



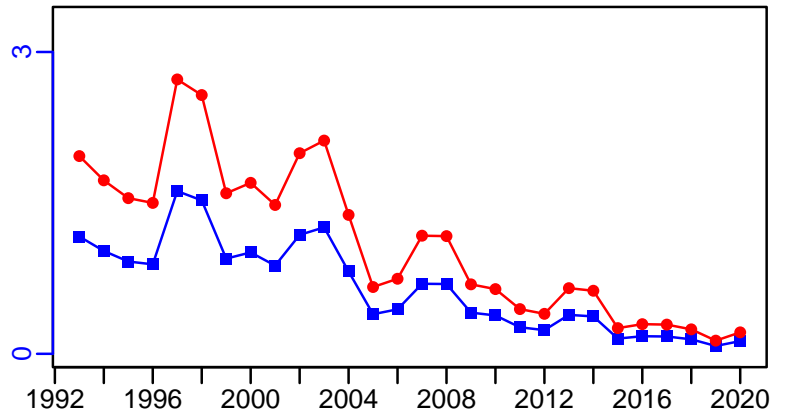
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1993-2021-HIVELY)



Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

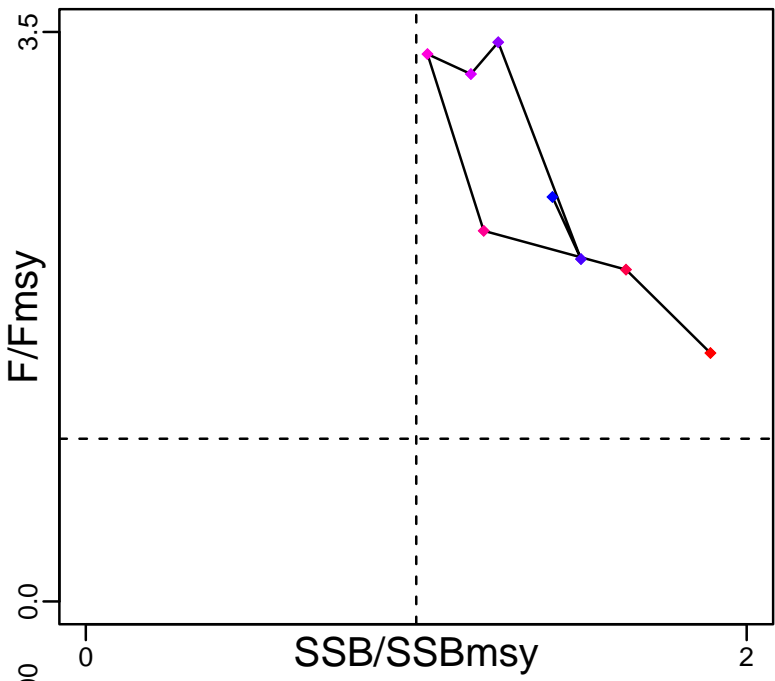
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA9-11-2009-2016-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.22
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

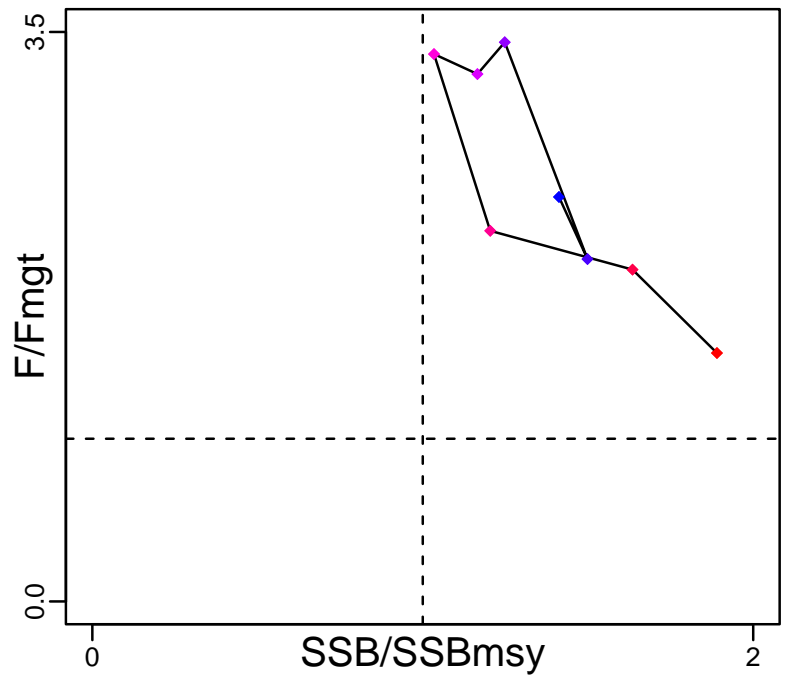
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	39,011	-	-
TN	-	-	-	-	-
R	R-E00	2016	6,150,093,000	-	-
F	F-1/yr	2016	0.336	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	8931	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.527	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.527	-	-
ER/ERmgt	-	-	-	-	-

Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

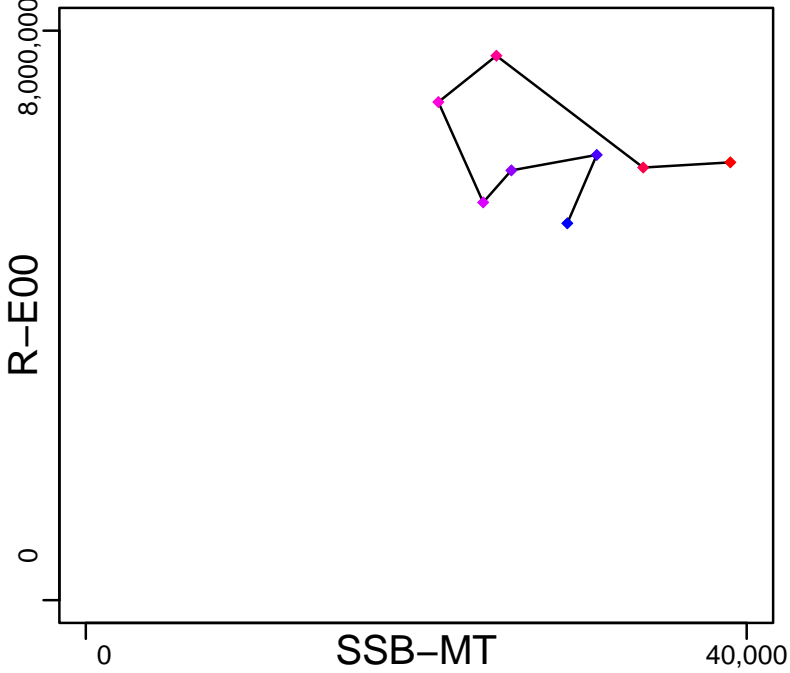
Kobe MSYpref (2009-2016-MEDIMP2021-2)



Kobe MGTpref (2009-2016-MEDIMP2021-2)



Spawner Recruit (2009-2016-MEDIMP2021-2)



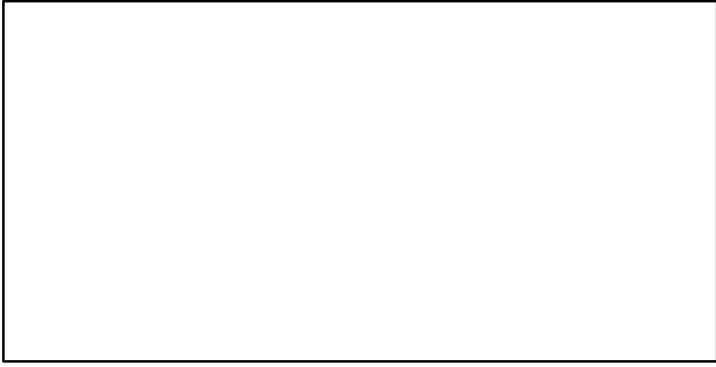
Production*



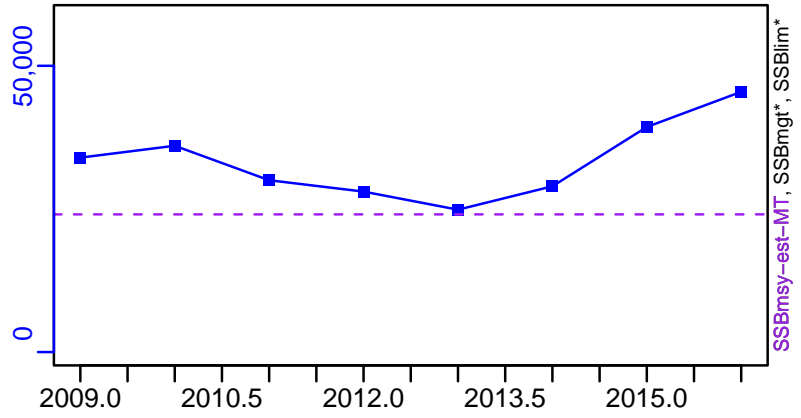
◆ Start Year ◆ End Year * No Data

Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

TB*



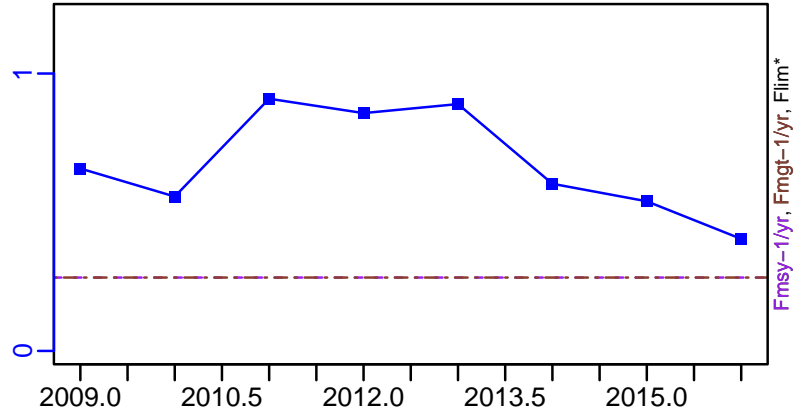
SSB-MT (2009-2016-MEDIMP2021-2)



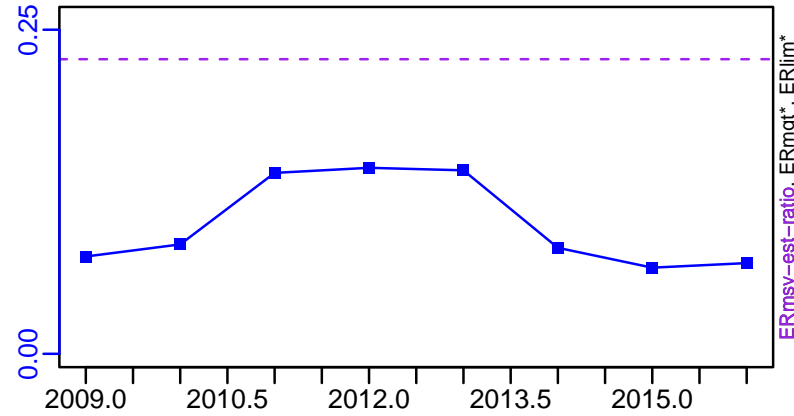
TN *



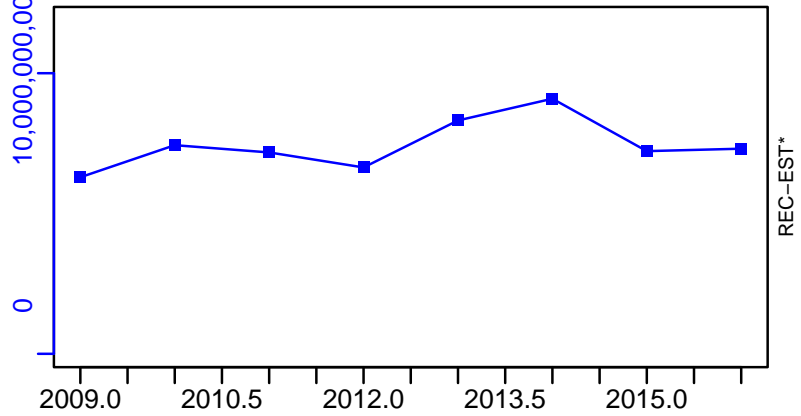
F-1/yr (2009-2016-MEDIMP2021-2)



ER-calc-ratio (2009-2016-MEDIMP2021-2)



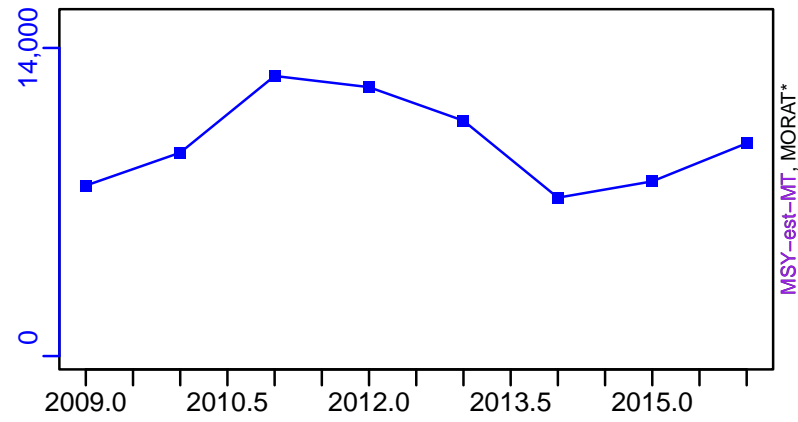
R-E00 (2009-2016-MEDIMP2021-2)



Anchovy Geographical Sub-Areas 9-11 [ANCHMEDGSA9-11]

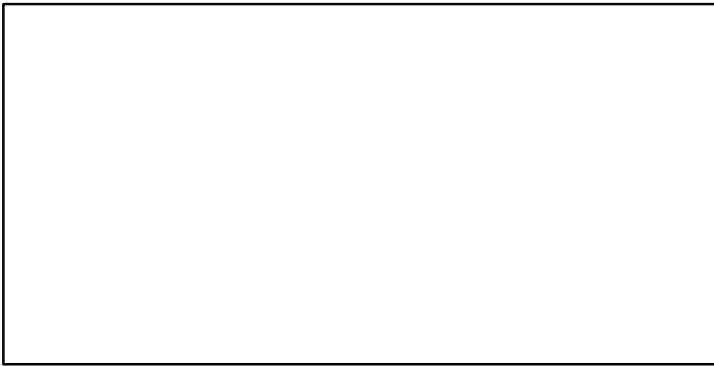
TC-MT, TL*, RecC* (2009-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



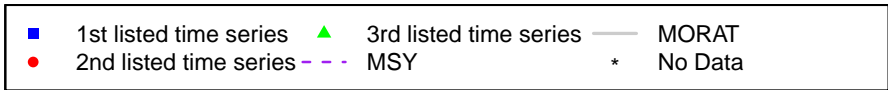
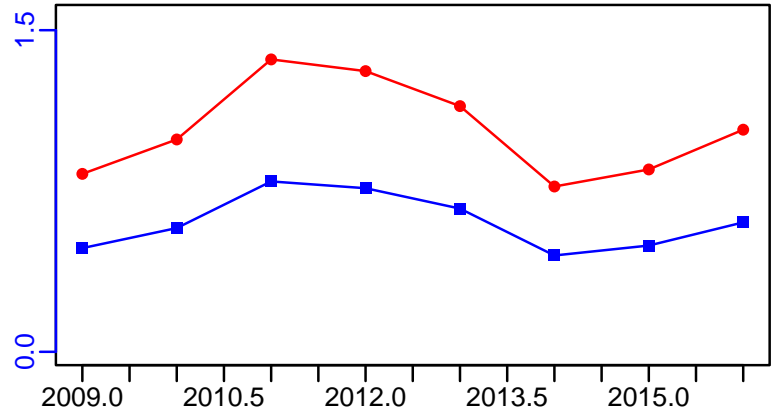
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2009-2016-MEDIMP2021-2)



**Black bellied angler Malta Island and South of Sicily (GSA 15, 16)
[ANGLMEDGSA15-16]**

Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA15-16-2006-2011-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-extr-1/yr	2010	0.165
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.16
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	536	-	-
TN	-	-	-	-	-
R	R-E00	2011	1,100,000	-	-
F	F-1/yr	2011	0.351	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	279	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	FdivFmsy-dimensionless	2010	2.07	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.194	-	-
ER/ERmgt	-	-	-	-	-

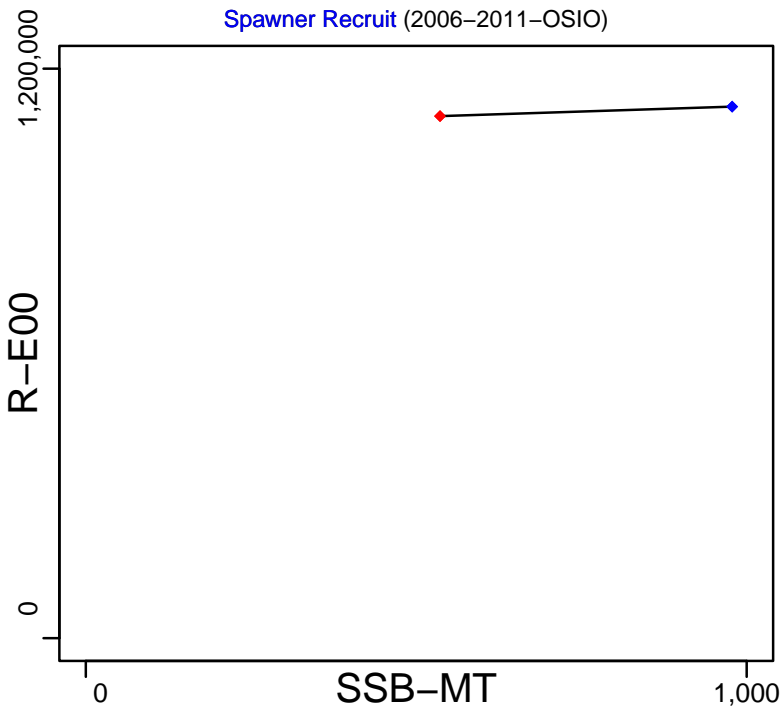
Kobe MSY*



Kobe MGT*



Spawner Recruit (2006-2011-OSIO)



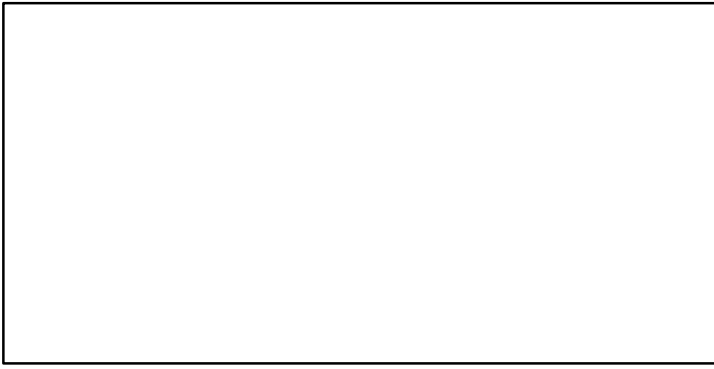
Production*



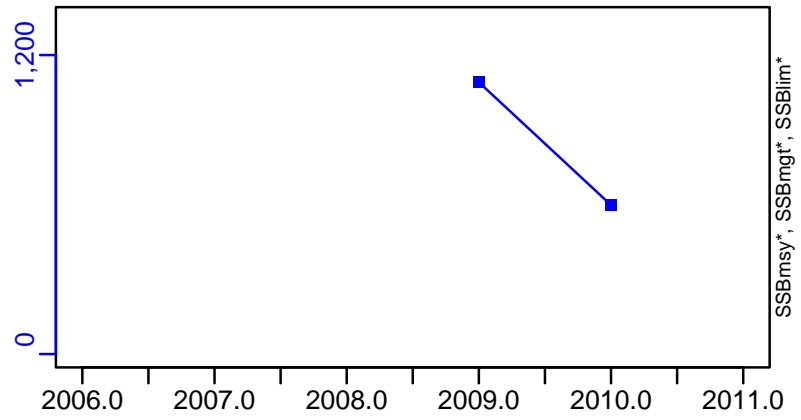
◆ Start Year ◆ End Year * No Data

Black bellied angler Malta Island and South of Sicily (GSA 15, 16) [ANGLMEDGSA15-16]

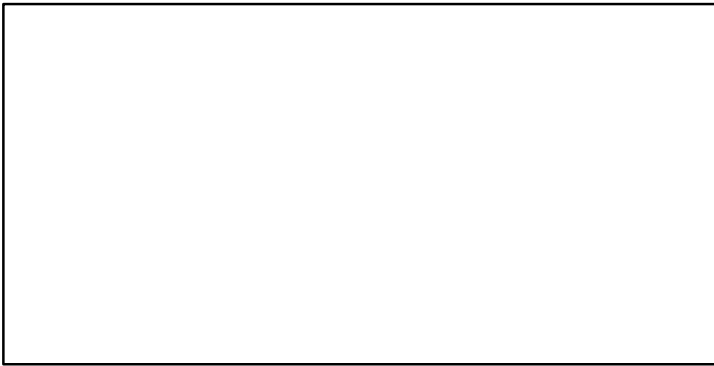
TB*



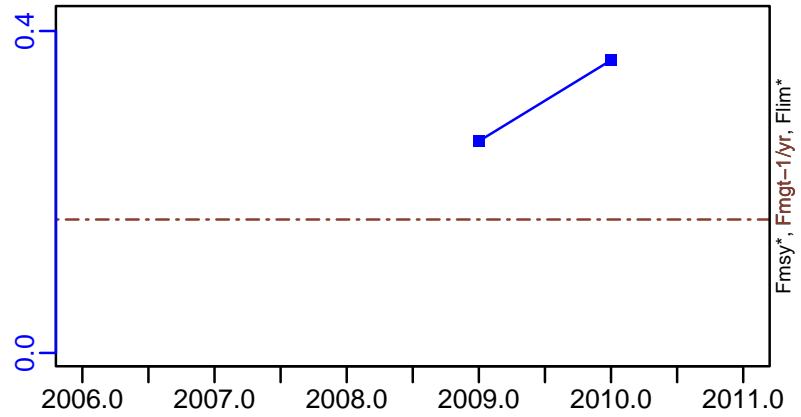
SSB-MT (2006-2011-OSIO)



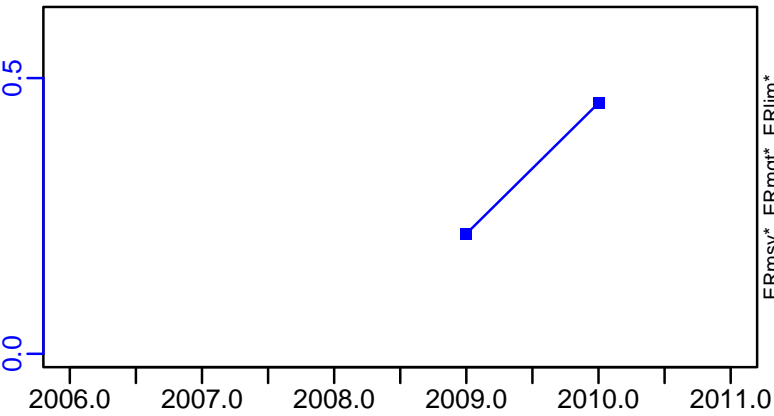
TN *



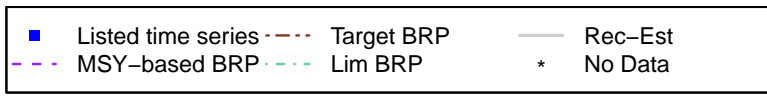
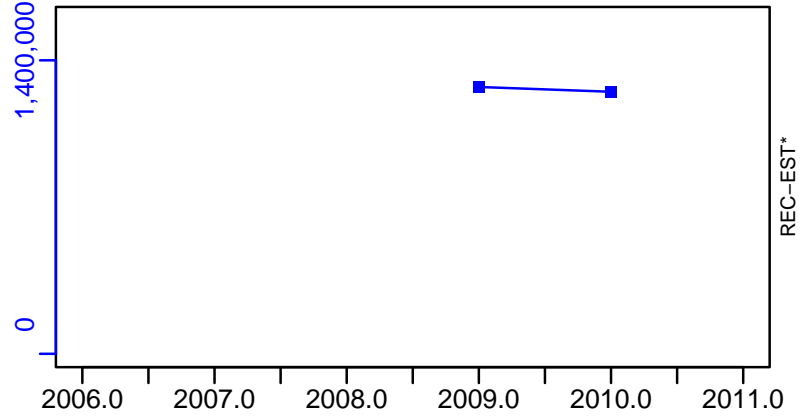
F-1/yr (2006-2011-OSIO)



ER-calc-ratio (2006-2011-OSIO)



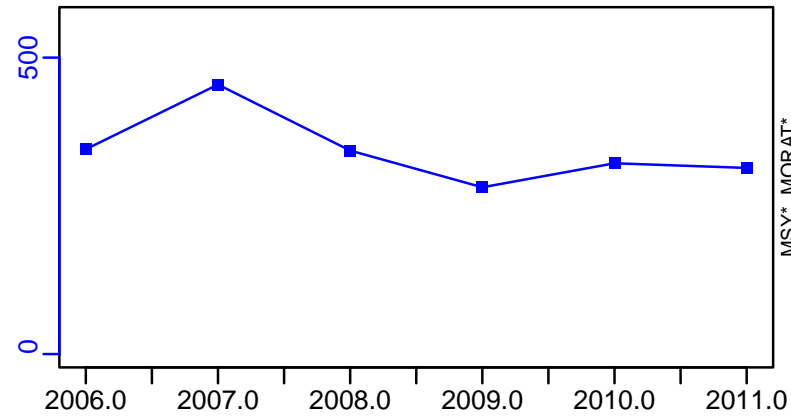
R-E00 (2006-2011-OSIO)



Black bellied angler Malta Island and South of Sicily (GSA 15, 16) [ANGLMEDGSA15-16]

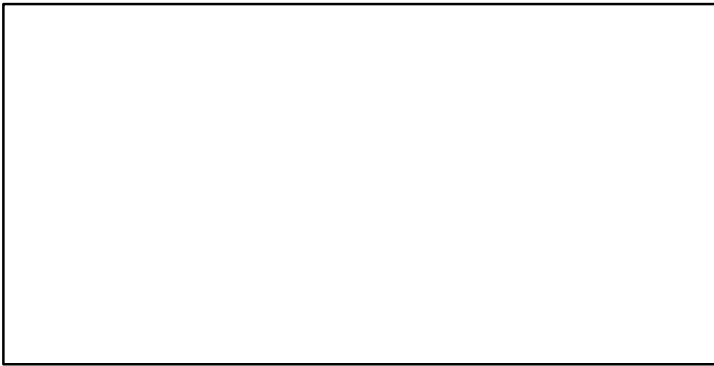
TC-MT, TL*, RecC* (2006-2011-OSIO)

TAC*, Cpair*, Cadv*



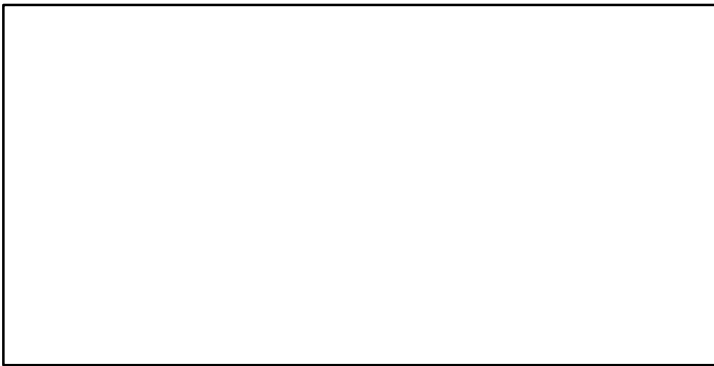
survB*

CPUE*



EFFORT*

CdivMSY*



Black bellied angler Balearic Island [ANGLMEDGSA5]

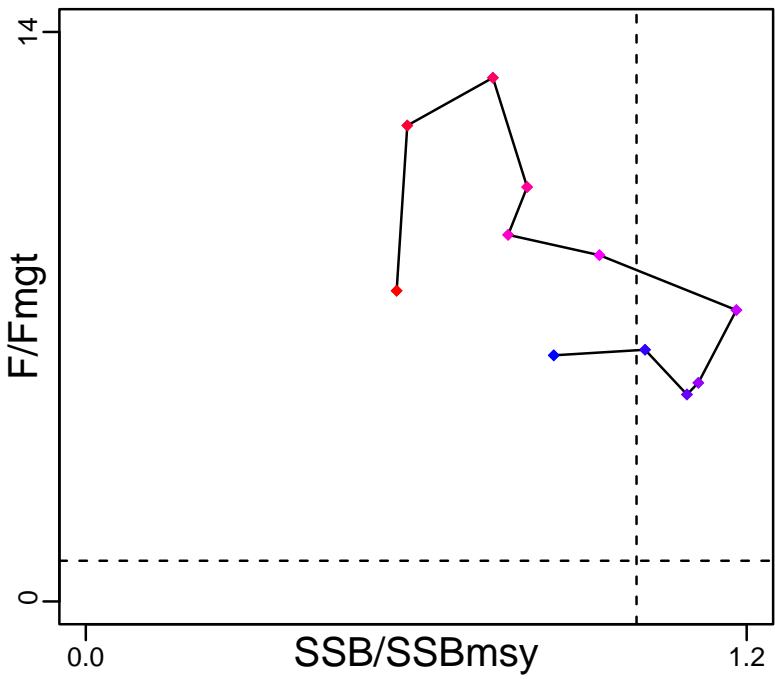
Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA5-2003-2013-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

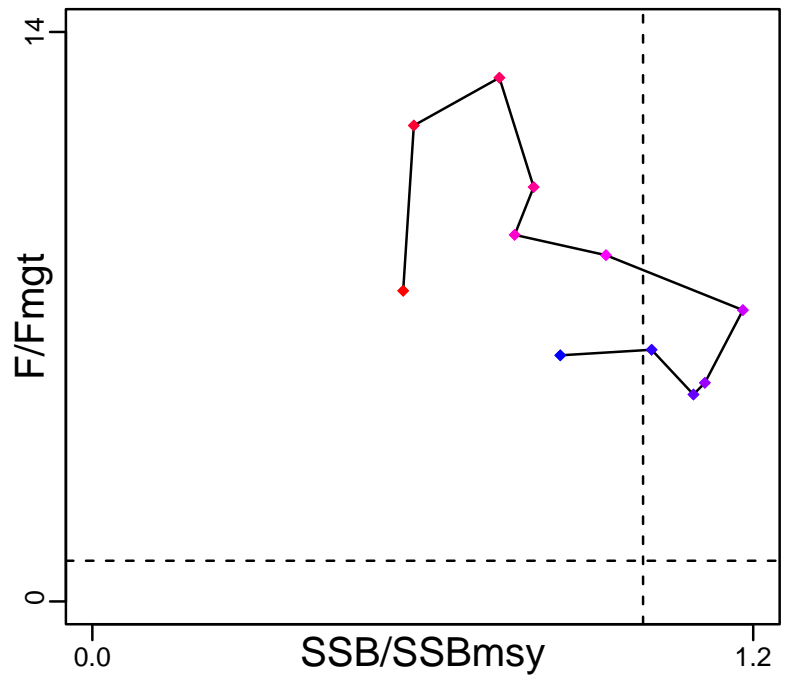
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	8	-	5+
TN	-	-	-	-	-
R	R-E00	2013	152,000	-	-
F	F-1/yr	2013	0.611	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	11		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	7.638		
ER/ERmgt	-	-	-		

Black bellied angler Balearic Island [ANGLMEDGSA5]

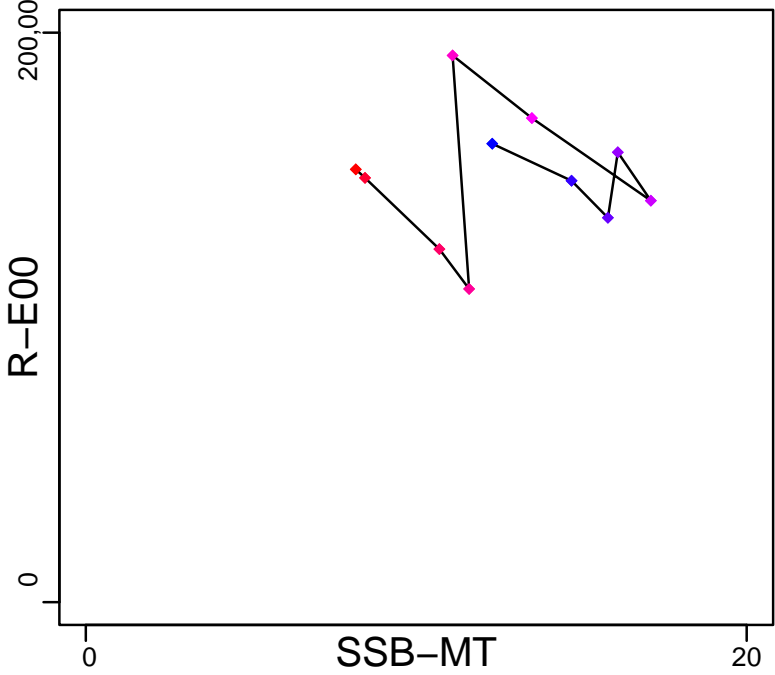
Kobe MSYpref (2003–2013–OSIO)



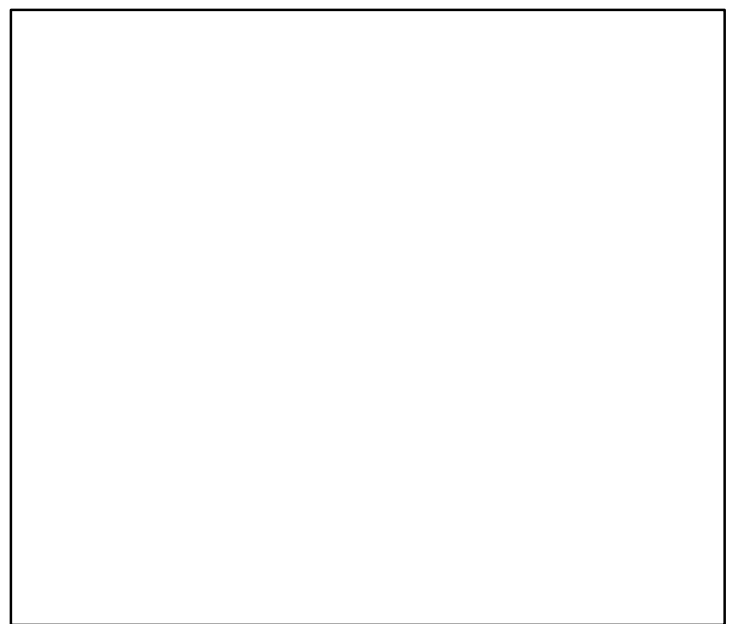
Kobe MGTpref (2003–2013–OSIO)



Spawner Recruit (2003–2013–OSIO)



Production*



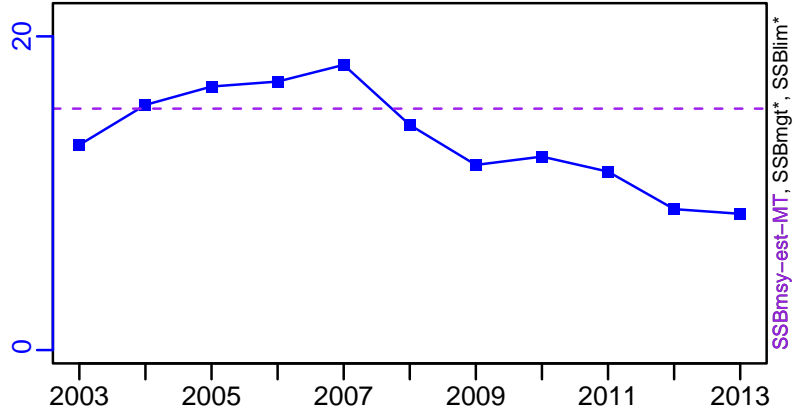
◆ Start Year ◆ End Year * No Data

Black bellied angler Balearic Island [ANGLMEDGSA5]

TB*



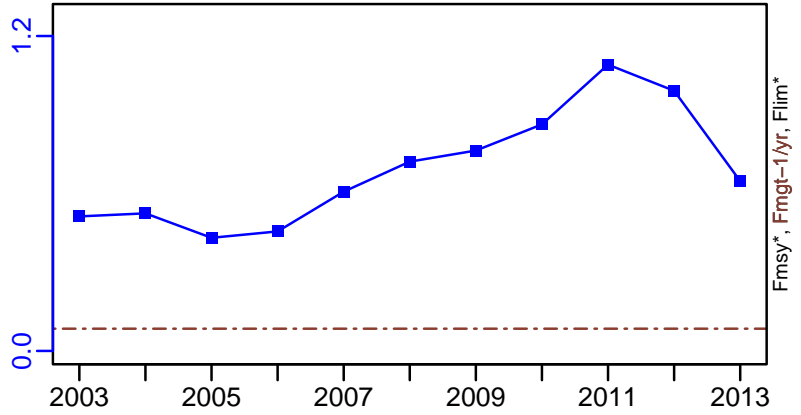
SSB-MT (2003-2013-OSIO)



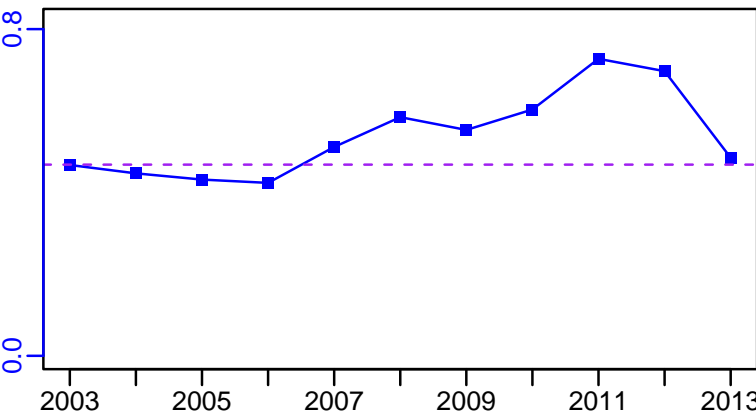
TN *



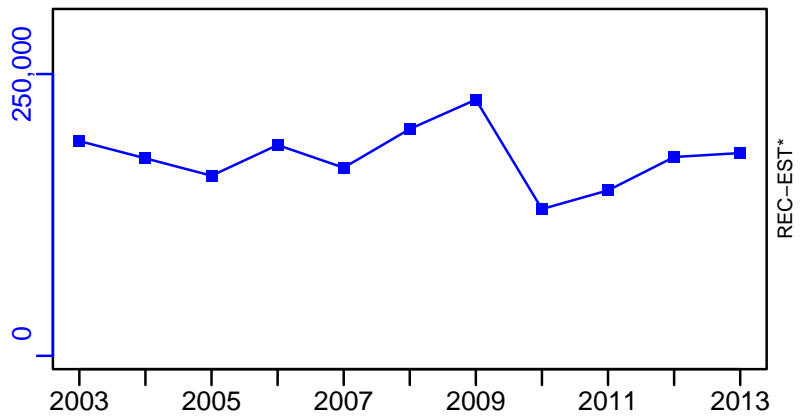
F-1/yr (2003-2013-OSIO)



ER-calc-ratio (2003-2013-OSIO)



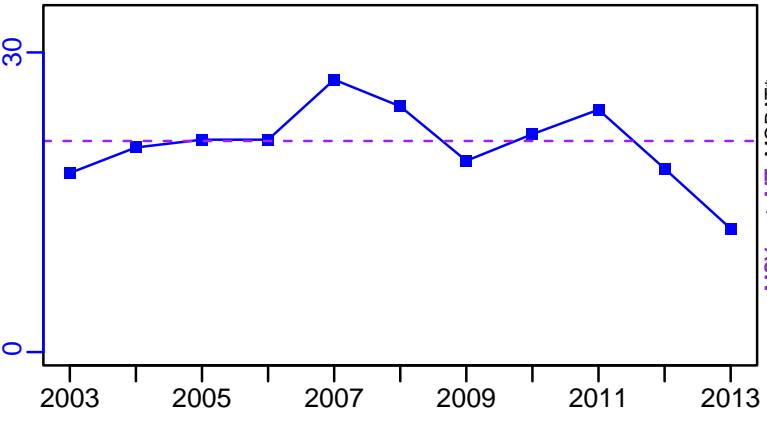
R-E00 (2003-2013-OSIO)



Black bellied angler Balearic Island [ANGLMEDGSA5]

TC-MT, TL*, RecC* (2003-2013-OSIO)

TAC*, Cpair*, Cadv*



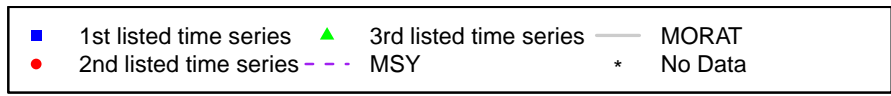
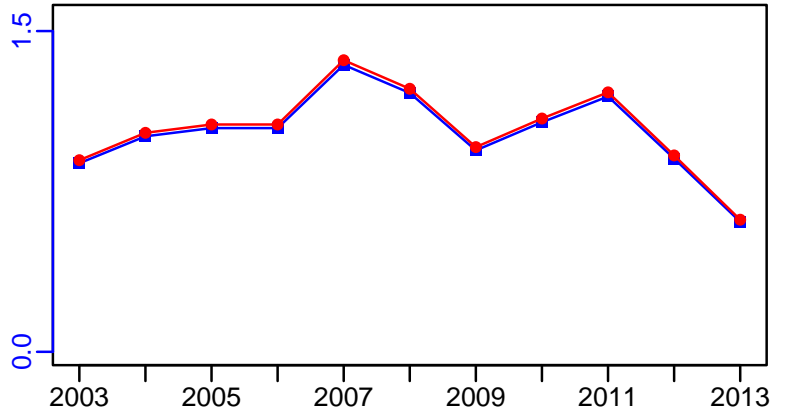
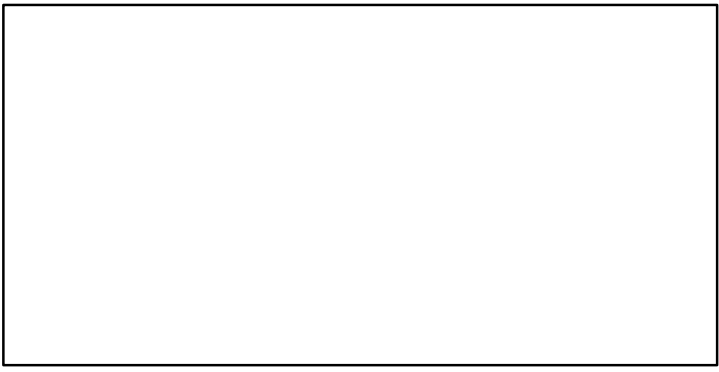
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2003-2013-OSIO)



Black bellied angler Northern Spain [ANGLMEDGSA6]

Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA6-2004-2013-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.14
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	488	-	5+
TN	-	-	-	-	-
R	R-E00	2013	9,510,000	-	-
F	F-1/yr	2013	0.909	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1050		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	6.493		
ER/ERmgt	-	-	-		

Black bellied angler Northern Spain [ANGLMEDGSA6]

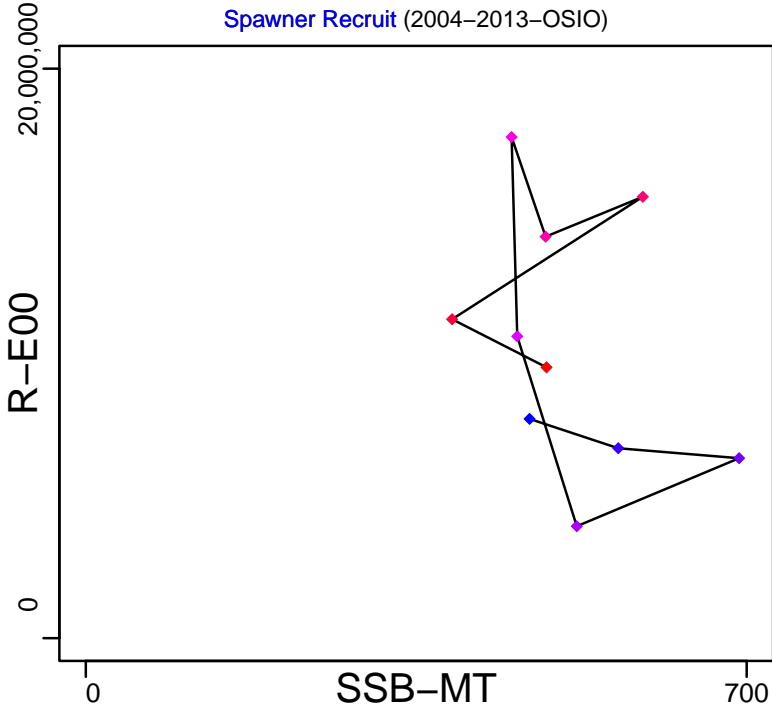
Kobe MSY*



Kobe MGT*



Spawner Recruit (2004–2013–OSIO)



Production*



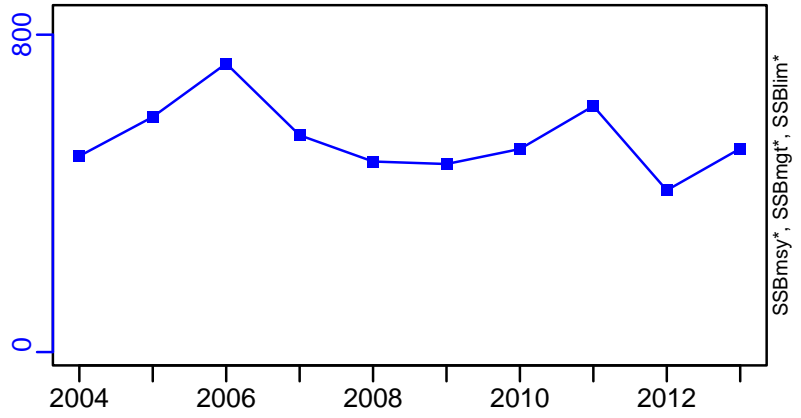
◆ Start Year ◆ End Year * No Data

Black bellied angler Northern Spain [ANGLMEDGSA6]

TB*



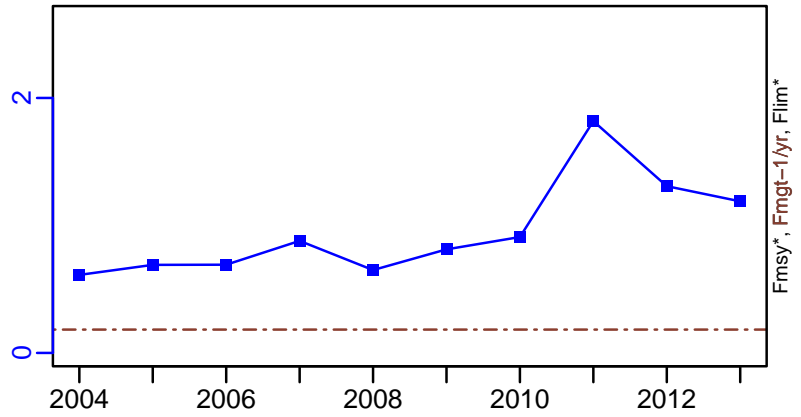
SSB-MT (2004-2013-OSIO)



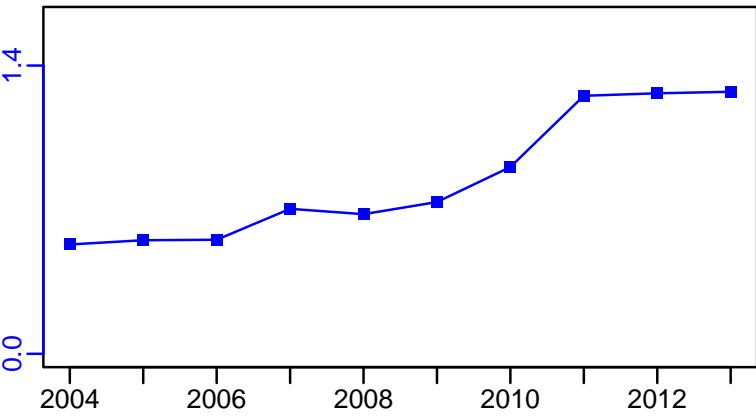
TN *



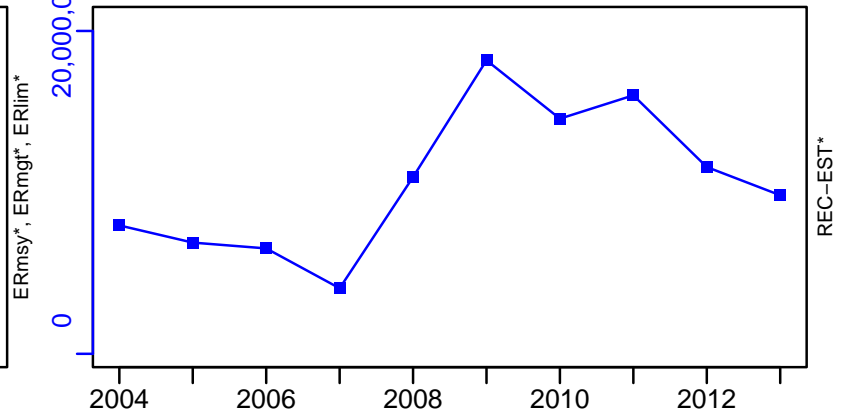
F-1/yr (2004-2013-OSIO)



ER-calc-ratio (2004-2013-OSIO)



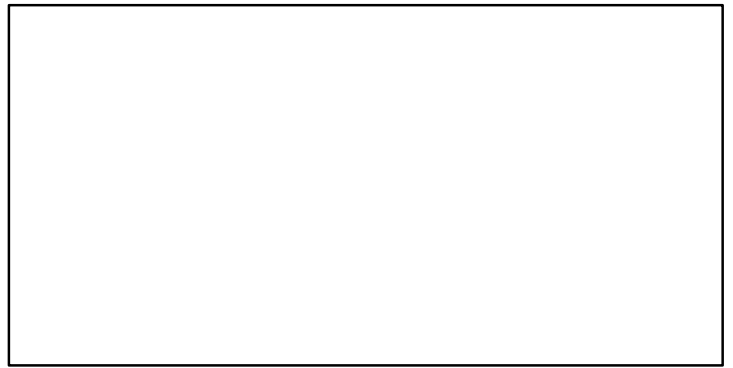
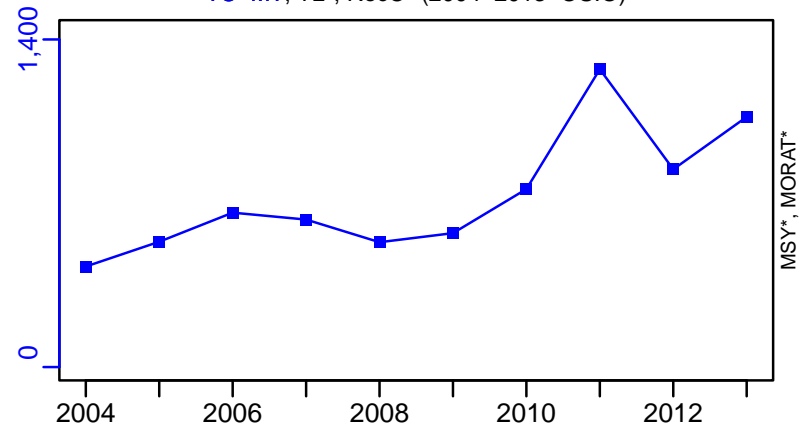
R-E00 (2004-2013-OSIO)



Black bellied angler Northern Spain [ANGLMEDGSA6]

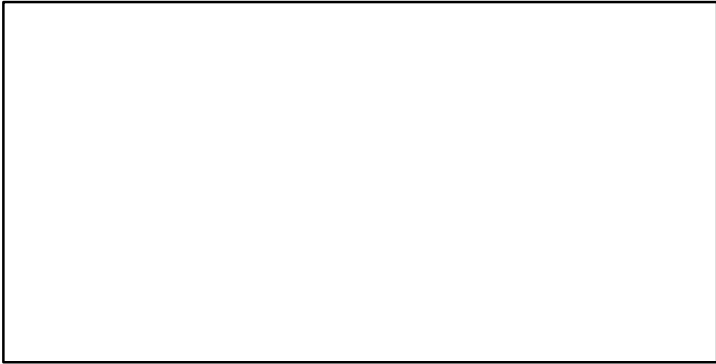
TC-MT, TL*, RecC* (2004-2013-OSIO)

TAC*, Cpair*, Cadv*



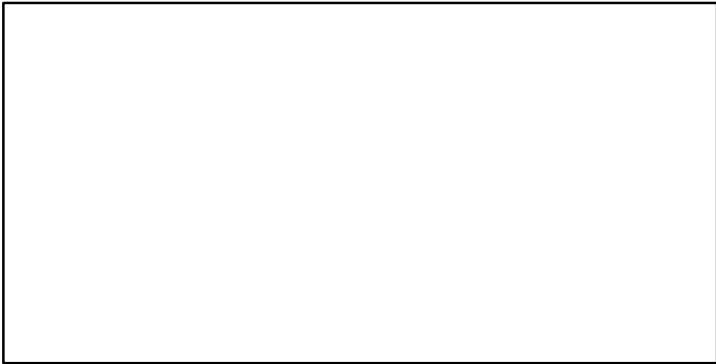
survB*

CPUE*



EFFORT*

CdivMSY*



Black bellied angler Gulf of Lions [ANGLMEDGSA7]

Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA7-2005-2011-OSIO
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.29
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

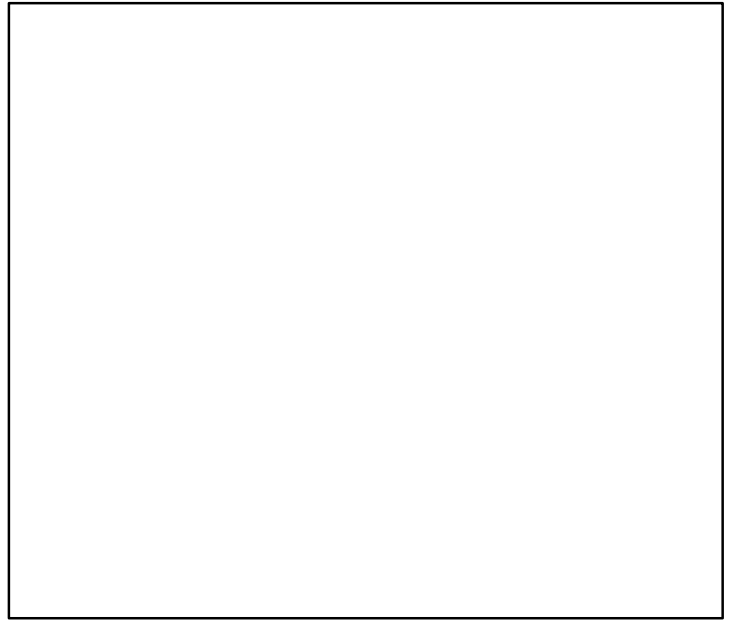
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	355		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Black bellied angler Gulf of Lions [ANGLMEDGSA7]

Kobe MSY*



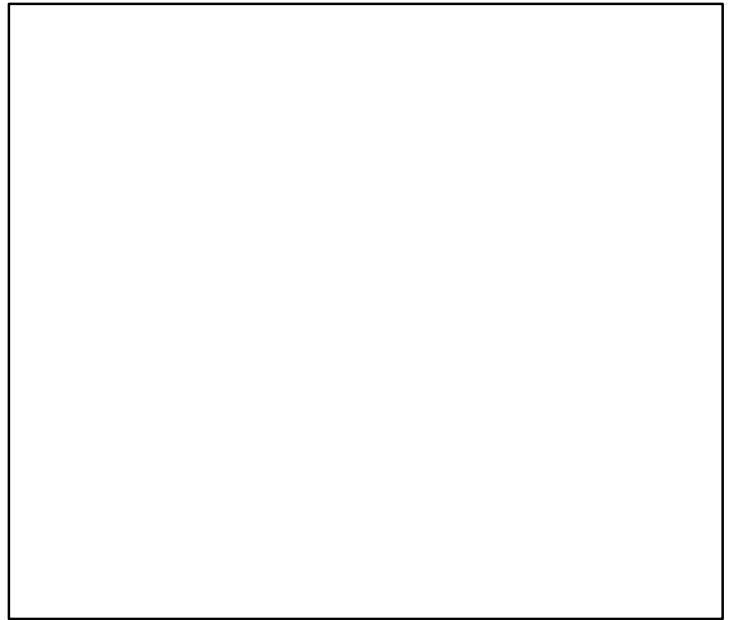
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Black bellied angler Gulf of Lions [ANGLMEDGSA7]

TB*



SSB*



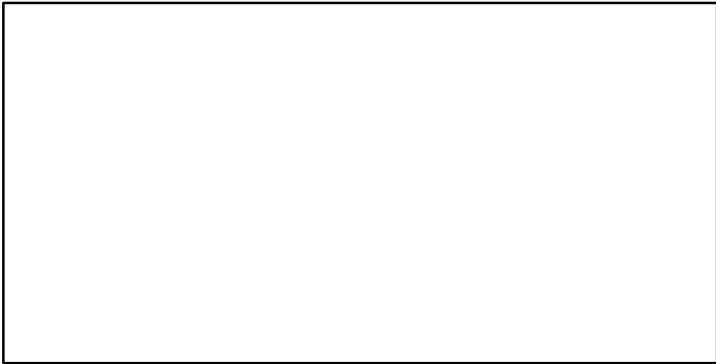
TN *



F*



ER*



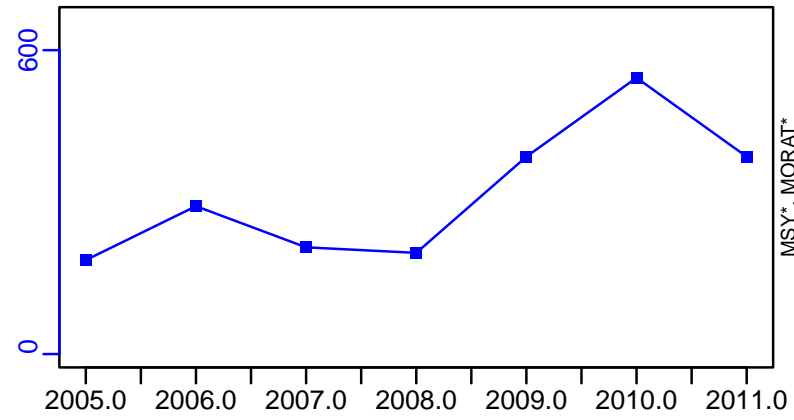
Recruits*



Black bellied angler Gulf of Lions [ANGLMEDGSA7]

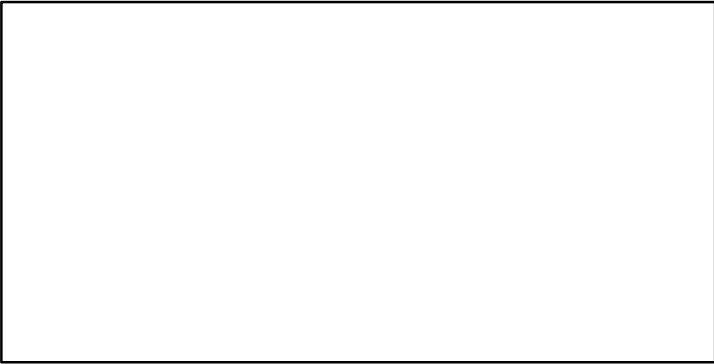
TC-MT, TL*, RecC* (2005-2011-OSIO)

TAC*, Cpair*, Cadv*



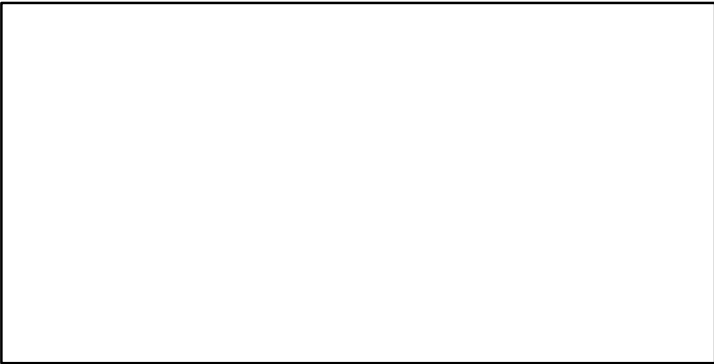
survB*

CPUE*



EFFORT*

CdivMSY*



Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

Metadata	
Scientific Name	Micromesistius poutassou
Current Assess ID	STECF-BWHITMEDGSA1-2002-2011-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.4
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	428	-	2+
TN	-	-	-	-	-
R	R-E00	2011	30,300,000	-	-
F	F-1/yr	2011	1.4	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	644		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	3.5		
ER/ERmgt	-	-	-		

Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

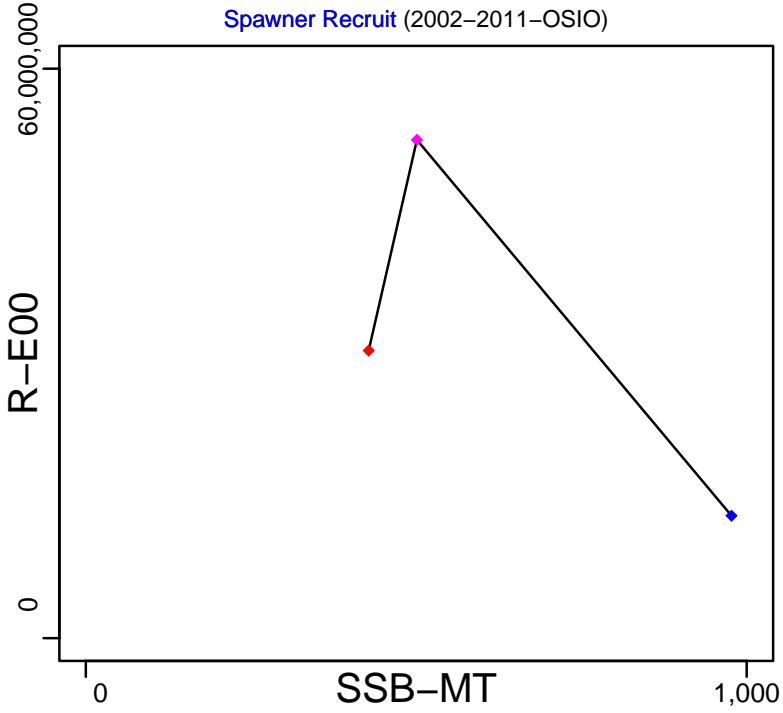
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002-2011-OSIO)



Production*



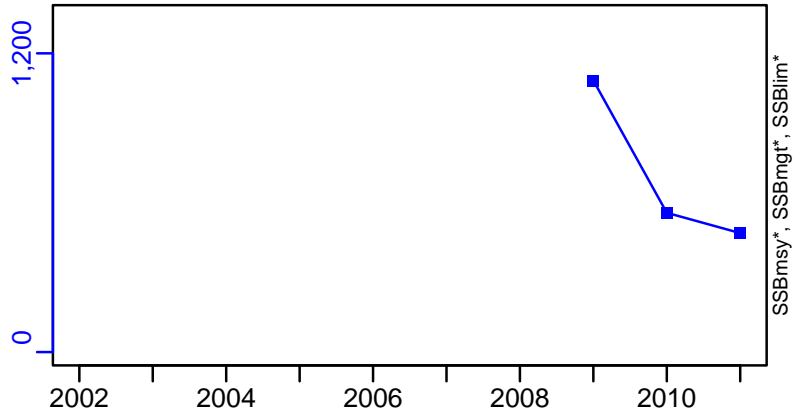
◆ Start Year ◆ End Year * No Data

Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

TB*



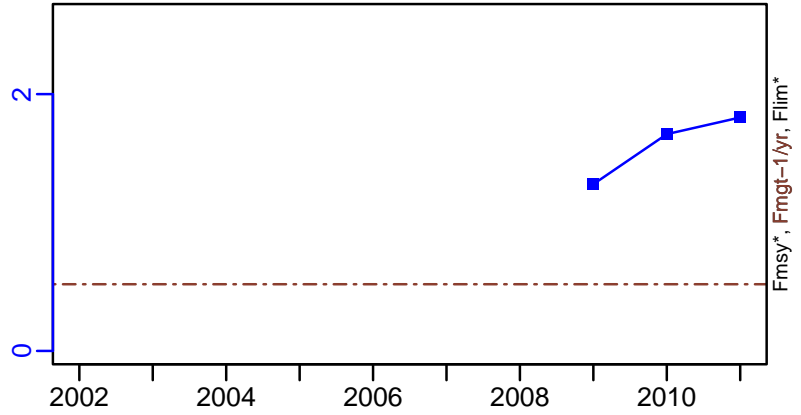
SSB-MT (2002-2011-OSIO)



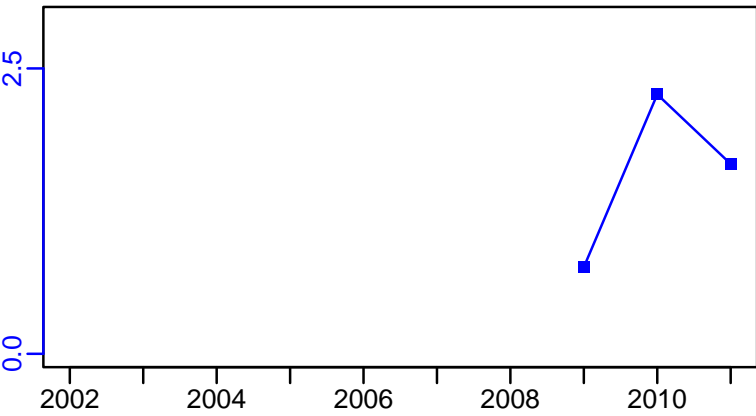
TN *



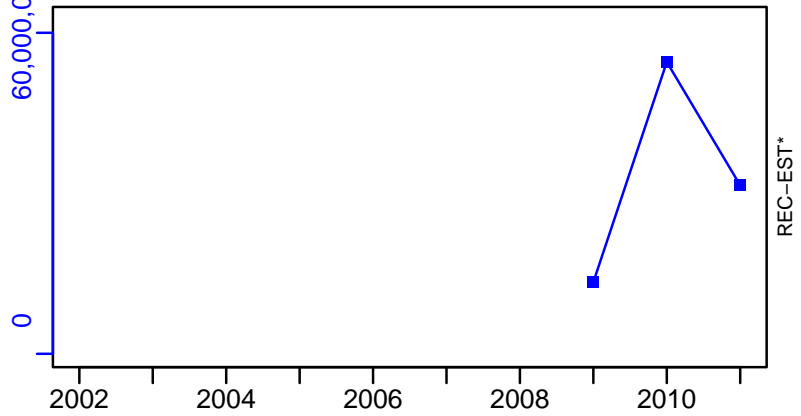
F-1/yr (2002-2011-OSIO)



ER-calc-ratio (2002-2011-OSIO)



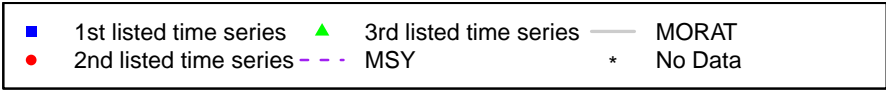
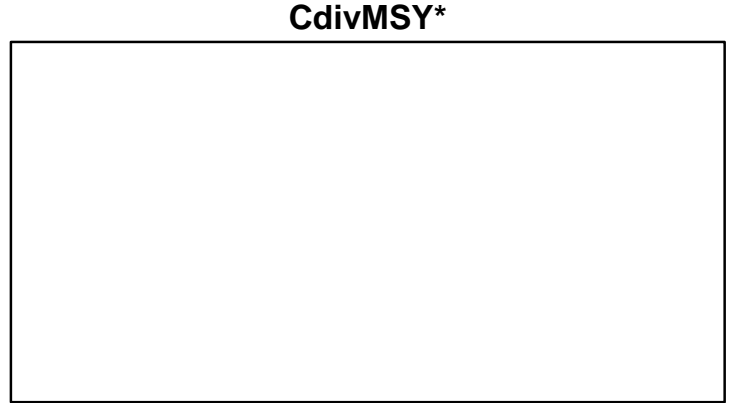
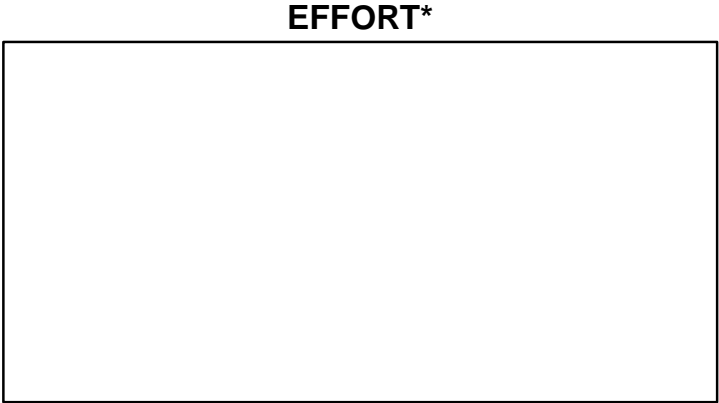
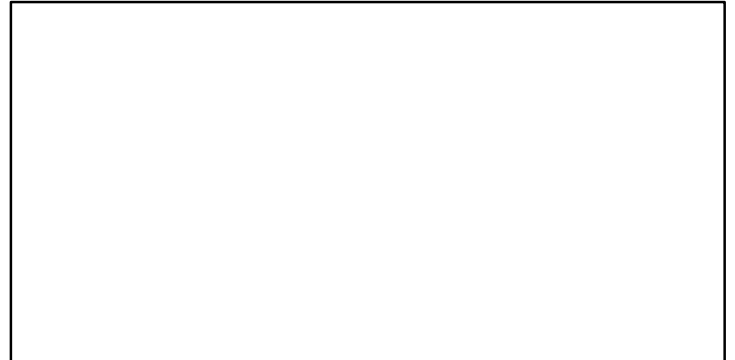
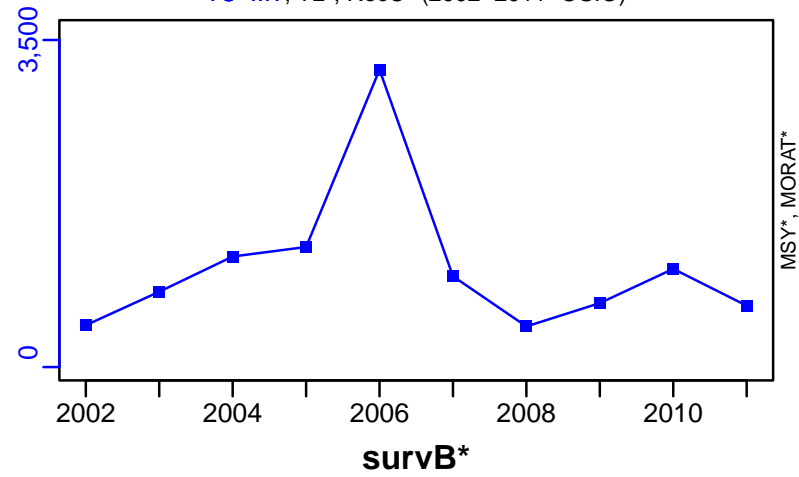
R-E00 (2002-2011-OSIO)



Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

TC-MT, TL*, RecC* (2002-2011-OSIO)

TAC*, Cpair*, Cadv*



Blue whiting Northern Spain [BWHITMEDGSA6]

Metadata	
Scientific Name	Micromesistius poutassou
Current Assess ID	STECF-BWHITMEDGSA6-2009-2013-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.159
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	341	-	2+
TN	-	-	-	-	-
R	R-E00	2013	1.15×10^8	-	-
F	F-1/yr	2013	1.26	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	1020		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	7.903		
ER/ERmgt	-	-	-		

Blue whiting Northern Spain [BWHITMEDGSA6]

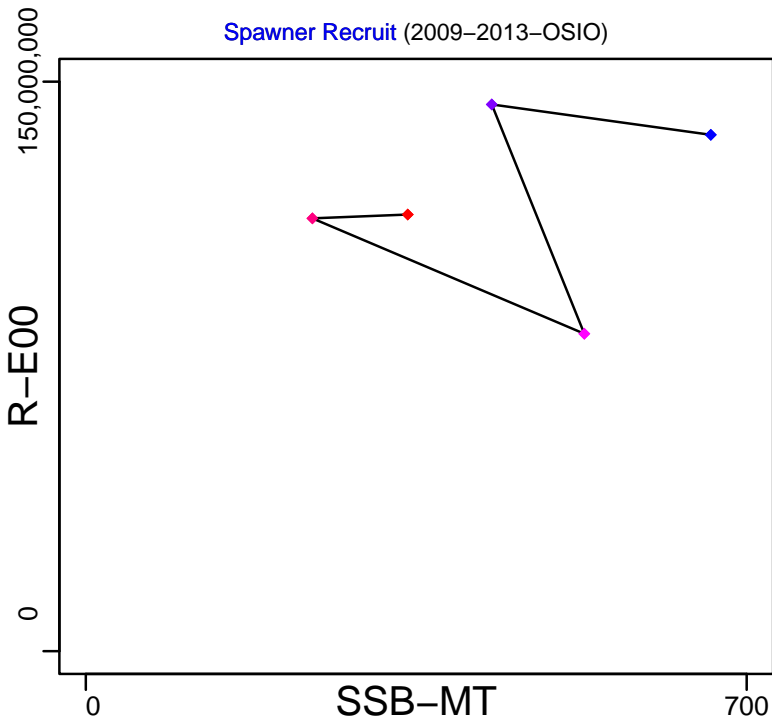
Kobe MSY*



Kobe MGT*



Spawner Recruit (2009–2013–OSIO)



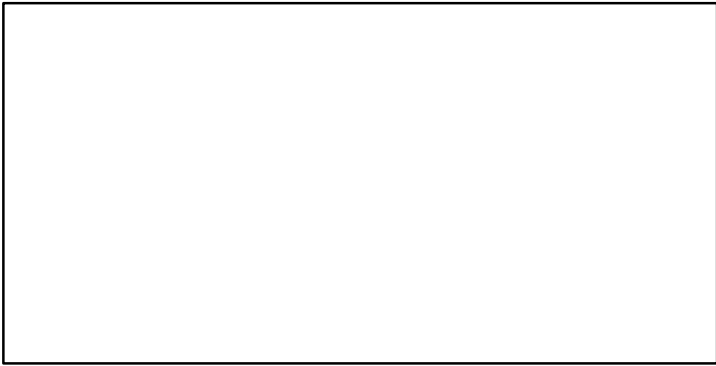
Production*



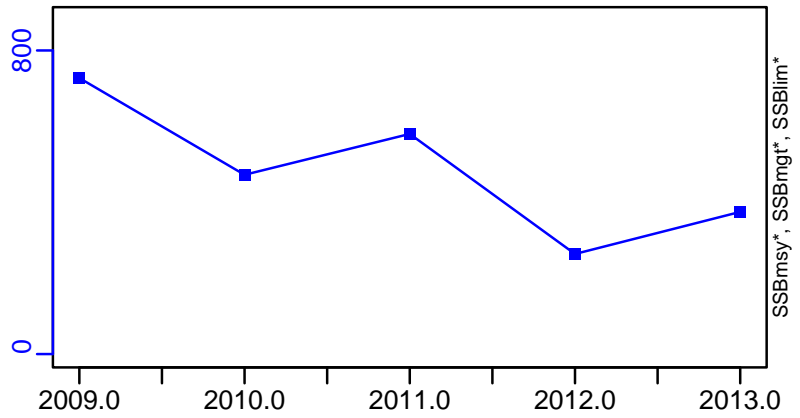
◆ Start Year ◆ End Year * No Data

Blue whiting Northern Spain [BWHITMEDGSA6]

TB*



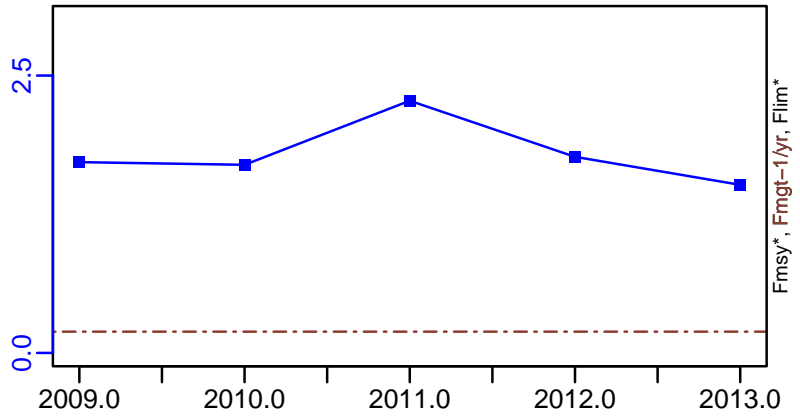
SSB-MT (2009-2013-OSIO)



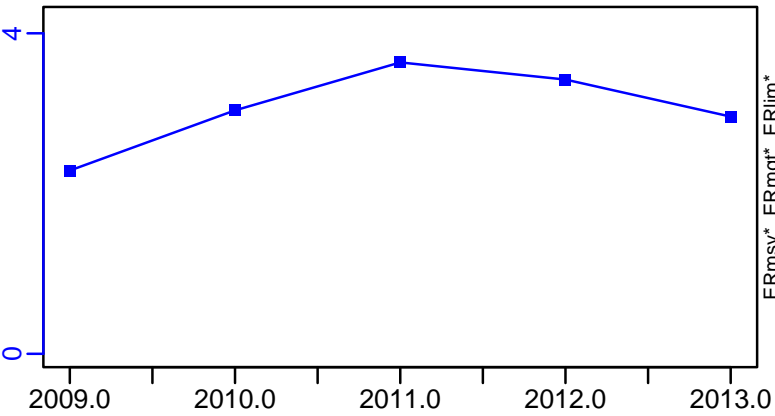
TN *



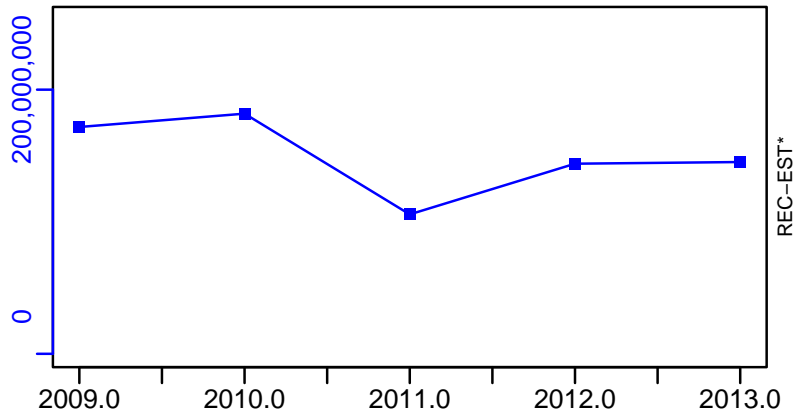
F-1/yr (2009-2013-OSIO)



ER-calc-ratio (2009-2013-OSIO)



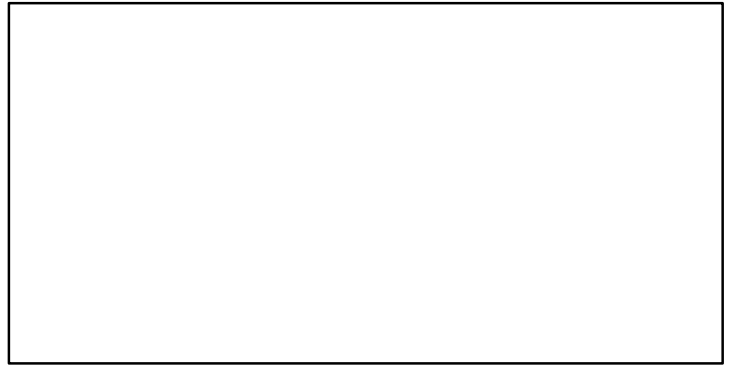
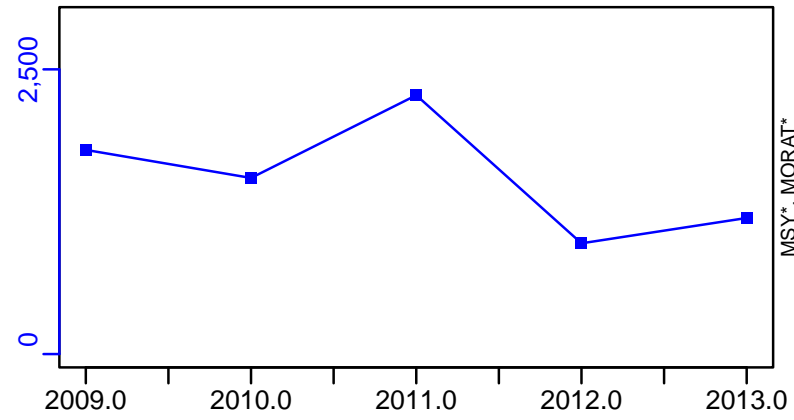
R-E00 (2009-2013-OSIO)



Blue whiting Northern Spain [BWHITMEDGSA6]

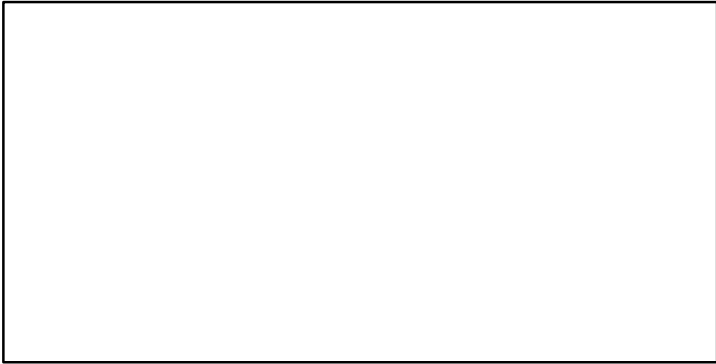
TC-MT, TL*, RecC* (2009-2013-OSIO)

TAC*, Cpair*, Cadv*



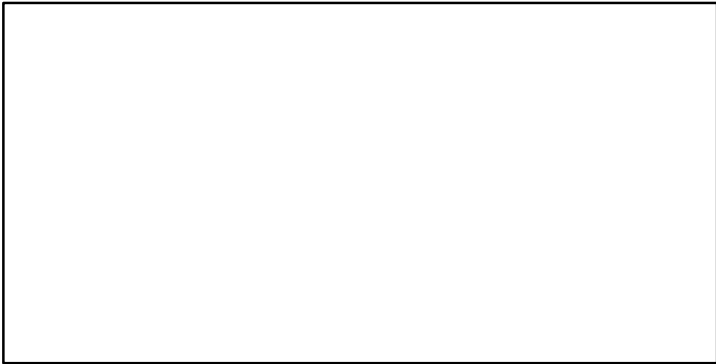
survB*

CPUE*



EFFORT*

CdivMSY*



Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

Metadata	
Scientific Name	Micromesistius poutassou
Current Assess ID	STECF-BWHITMEDGSA9-2009-2013-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.328
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	281	-	2+
TN	-	-	-	-	-
R	R-E00	2013	6,880,000	-	-
F	F-1/yr	2013	0.378	-	-
ER	-	-	-	-	-
TC	TC-MT	2013	102		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.151		
ER/ERmgt	-	-	-		

Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

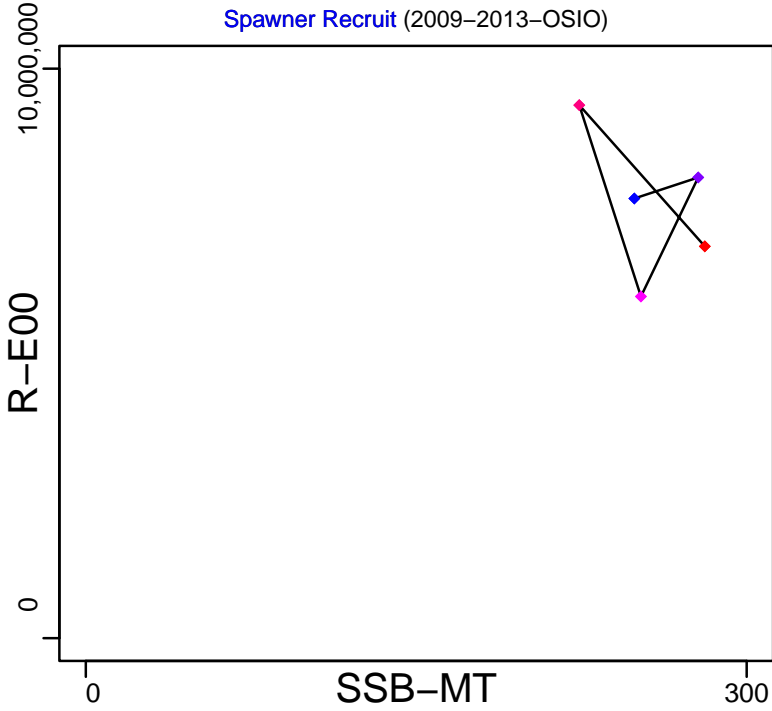
Kobe MSY*



Kobe MGT*



Spawner Recruit (2009–2013–OSIO)



Production*



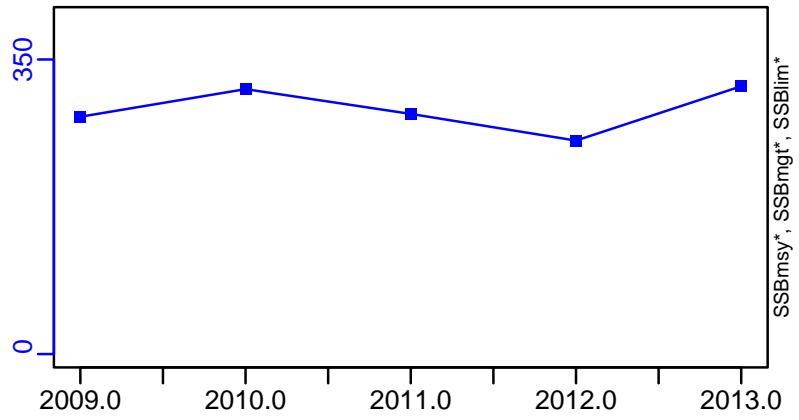
◆ Start Year ◆ End Year * No Data

Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

TB*



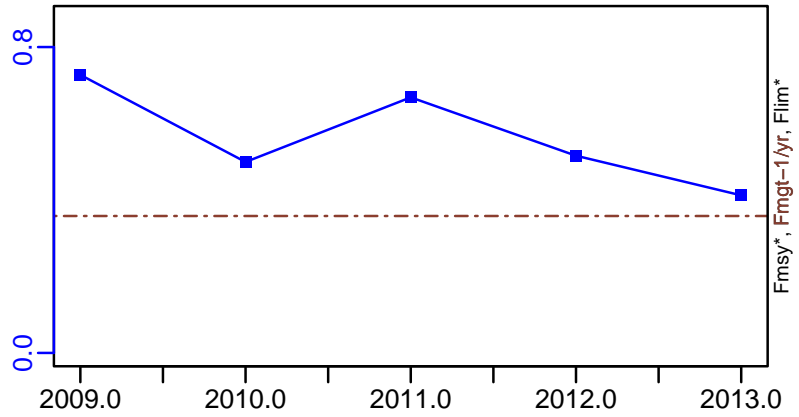
SSB-MT (2009-2013-OSIO)



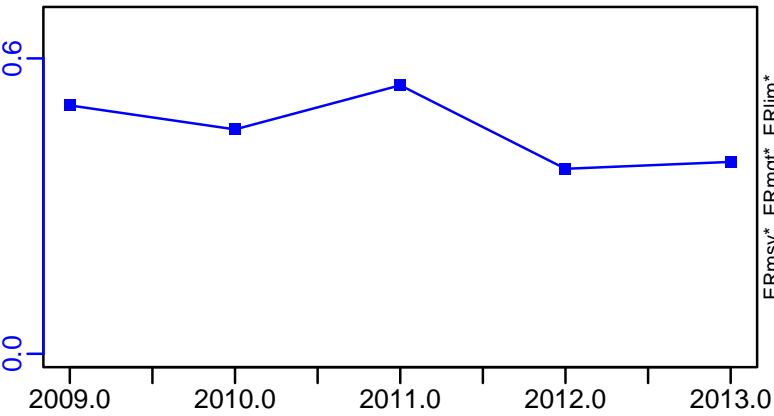
TN *



F-1/yr (2009-2013-OSIO)



ER-calc-ratio (2009-2013-OSIO)



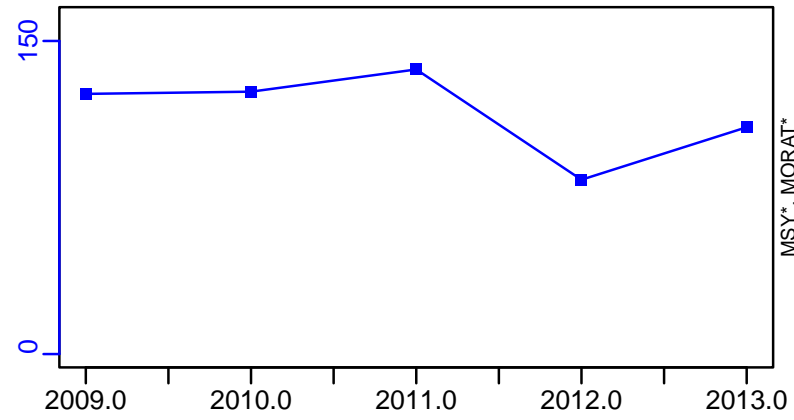
R-E00 (2009-2013-OSIO)



Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

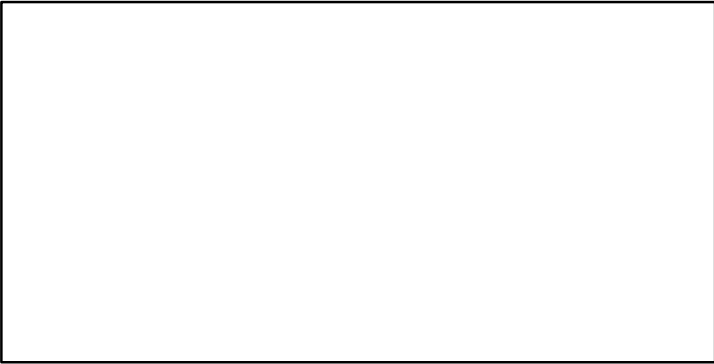
TC-MT, TL*, RecC* (2009-2013-OSIO)

TAC*, Cpair*, Cadv*



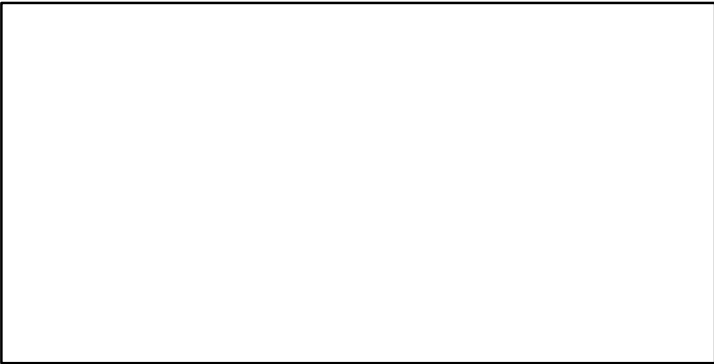
survB*

CPUE*



EFFORT*

CdivMSY*



**Common pandora Malta Island and South of Sicily (GSA 15, 16)
[CPANDMEDGSA15-16]**

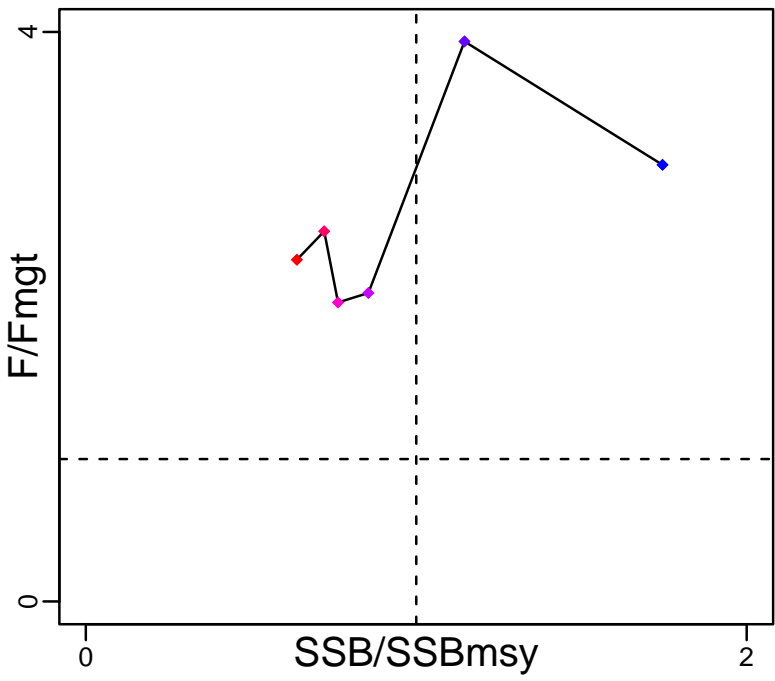
Metadata	
Scientific Name	Pagellus erythrinus
Current Assess ID	STECF-CPANDMEDGSA15-16-2006-2011-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

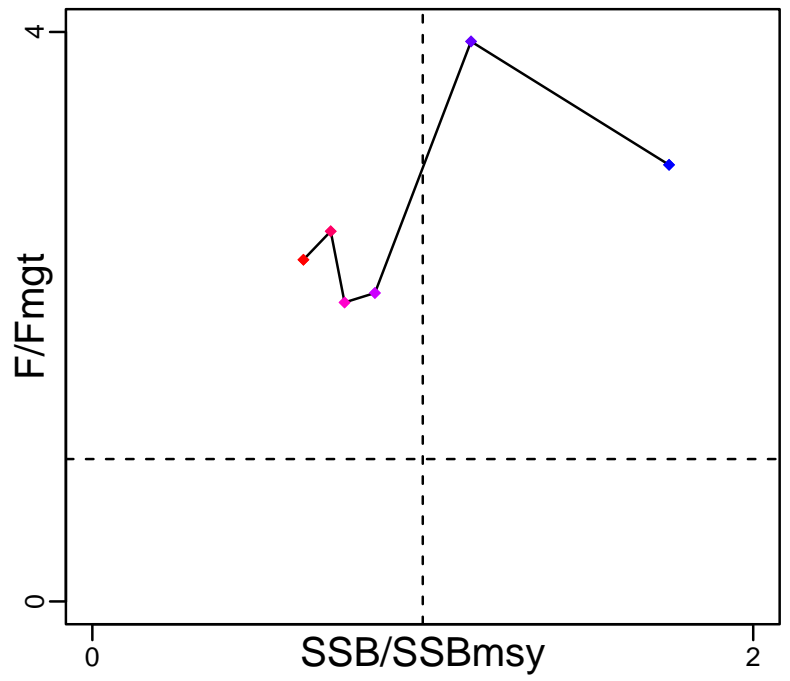
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	549	-	2+
TN	-	-	-	-	-
R	R-E00	2011	4,850,000	-	-
F	F-1/yr	2011	0.72	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	273		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.4		
ER/ERmgt	-	-	-		

Common pandora Malta Island and South of Sicily (GSA 15, 16) [CPANDMEDGSA15-16]

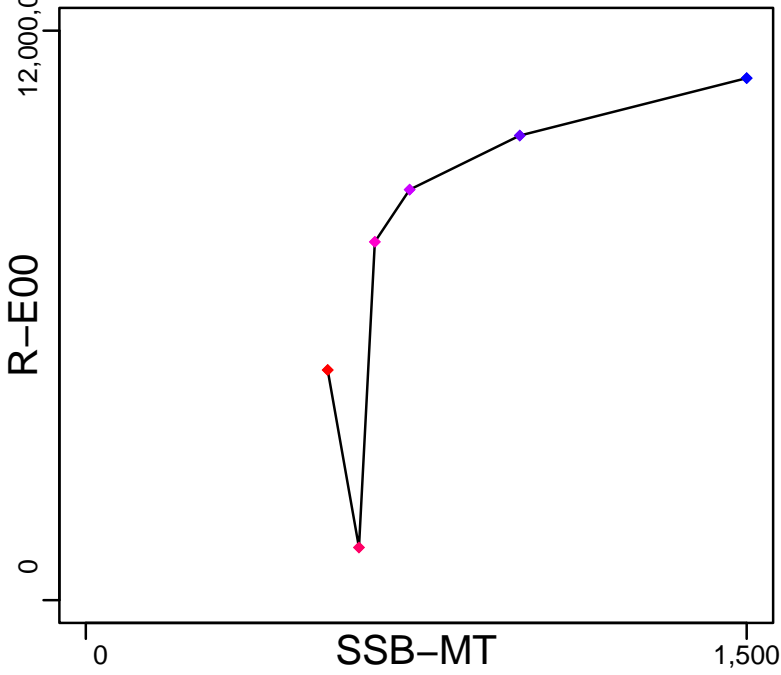
Kobe MSYpref (2006-2011-OSIO)



Kobe MGTpref (2006-2011-OSIO)



Spawner Recruit (2006-2011-OSIO)



Production*



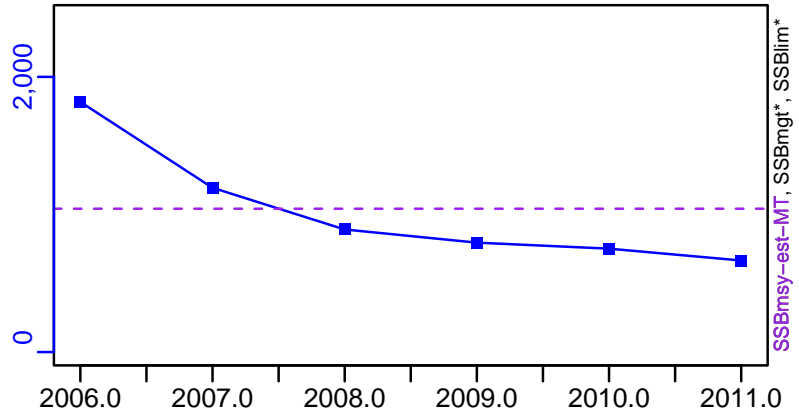
◆ Start Year ◆ End Year * No Data

Common pandora Malta Island and South of Sicily (GSA 15, 16) [CPANDMEDGSA15-16]

TB*



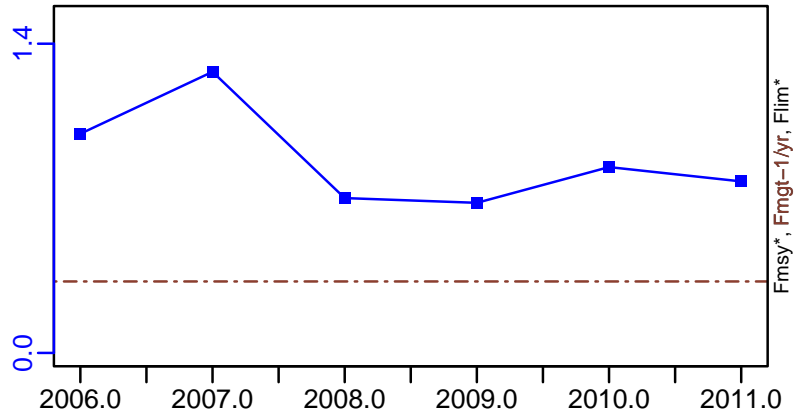
SSB-MT (2006-2011-OSIO)



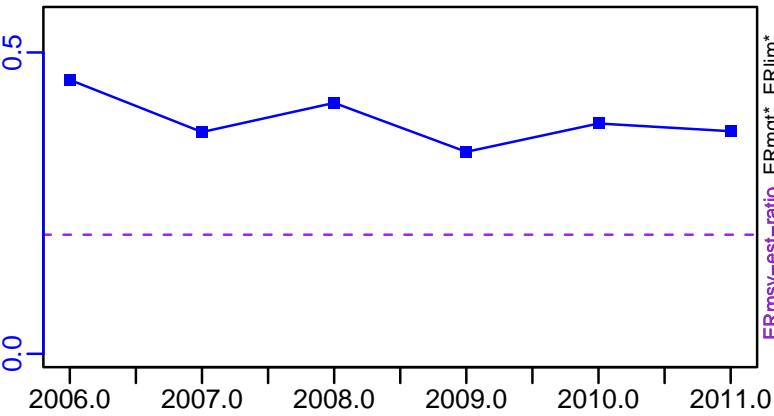
TN *



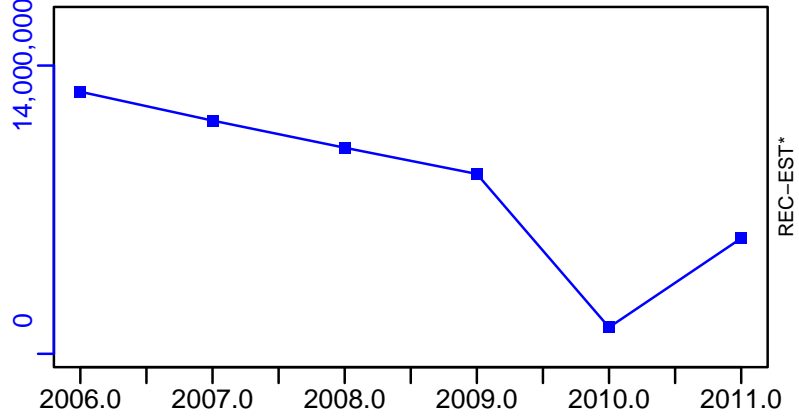
F-1/yr (2006-2011-OSIO)



ER-calc-ratio (2006-2011-OSIO)



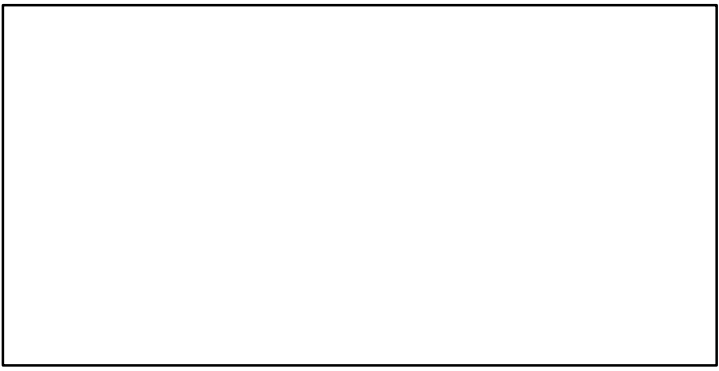
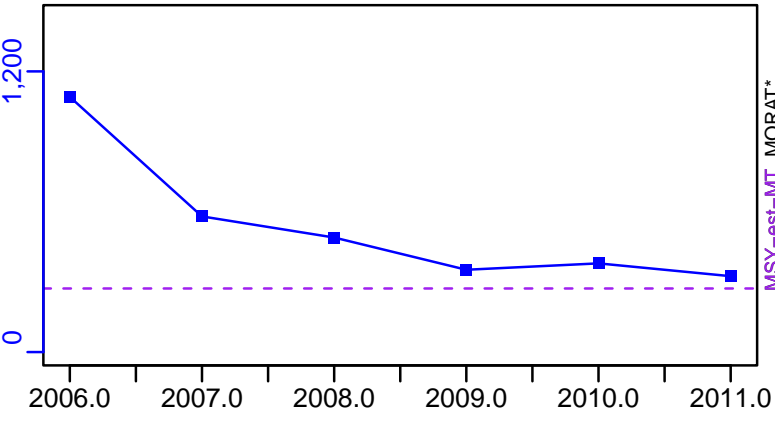
R-E00 (2006-2011-OSIO)



Common pandora Malta Island and South of Sicily (GSA 15, 16) [CPANDMEDGSA15-16]

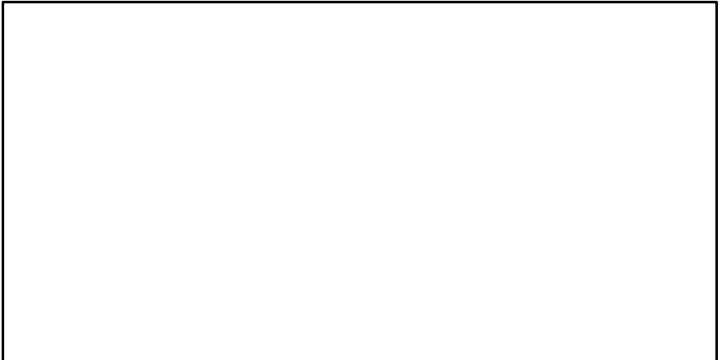
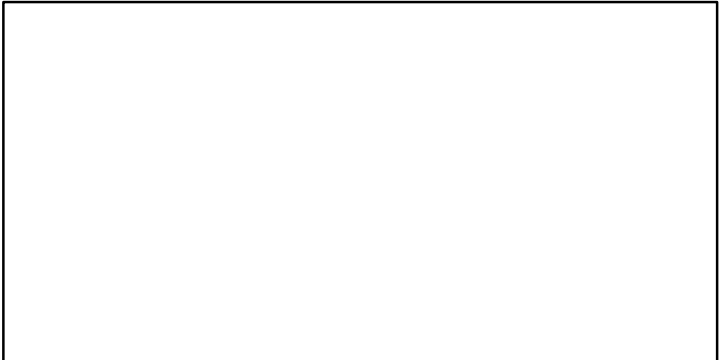
TC-MT, TL*, RecC* (2006-2011-OSIO)

TAC*, Cpair*, Cadv*



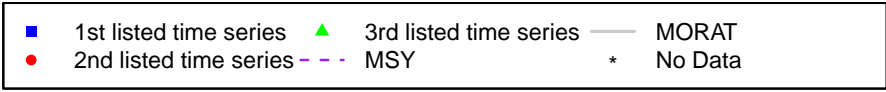
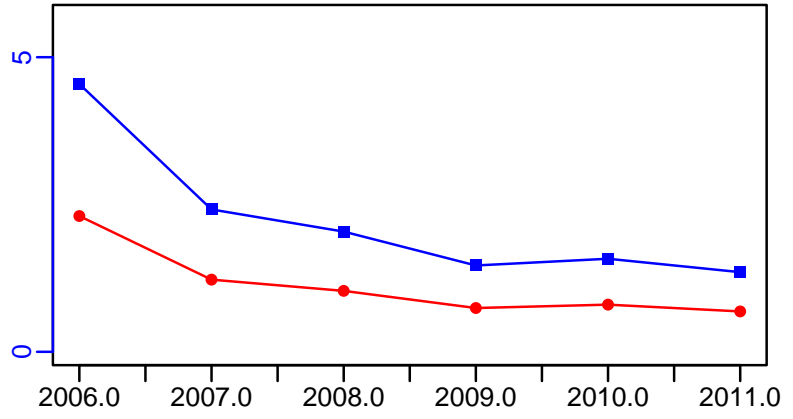
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2006-2011-OSIO)



Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]

Metadata	
Scientific Name	Pagellus erythrinus
Current Assess ID	STECF-CPANDMEDGSA9-2006-2010-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.48
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	171		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

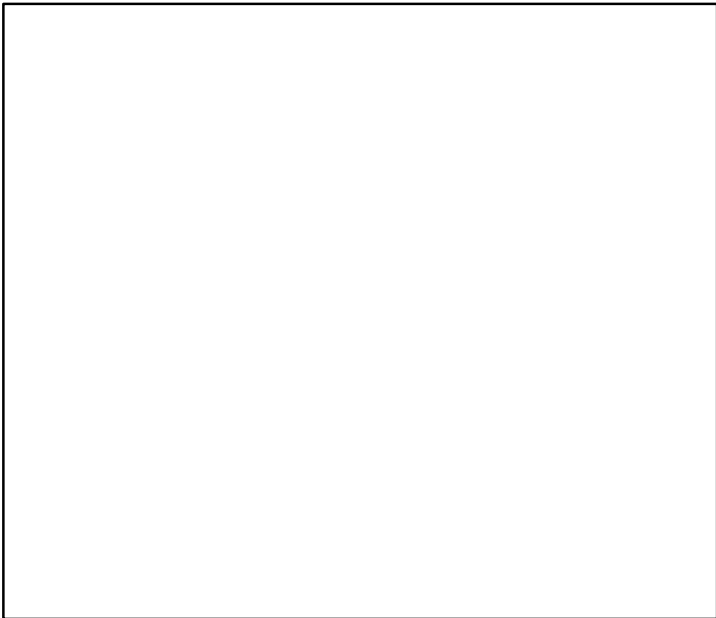
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]

TB*



SSB*



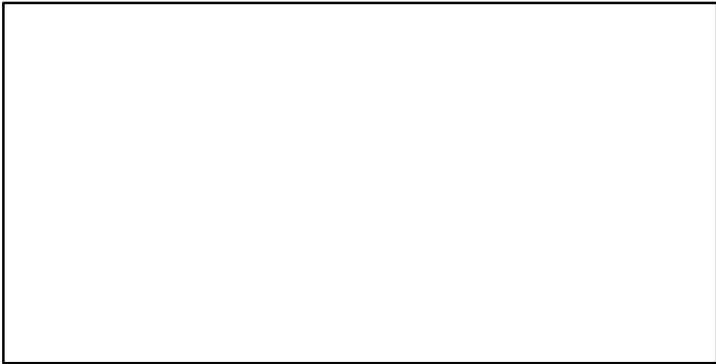
TN *



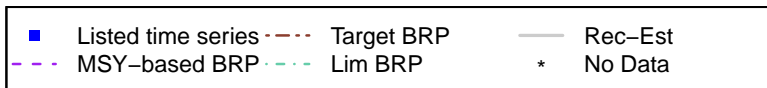
F*



ER*



Recruits*



Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]

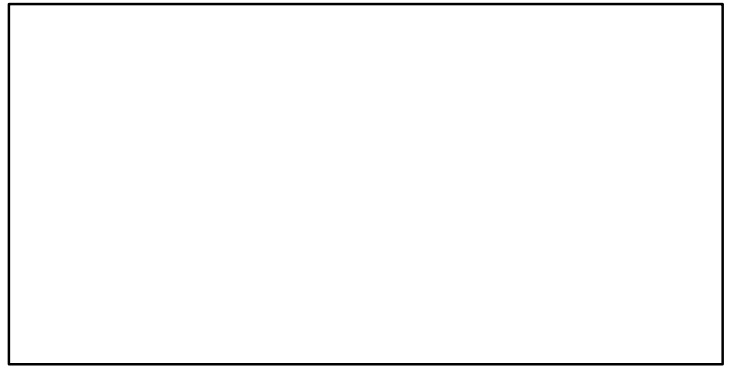
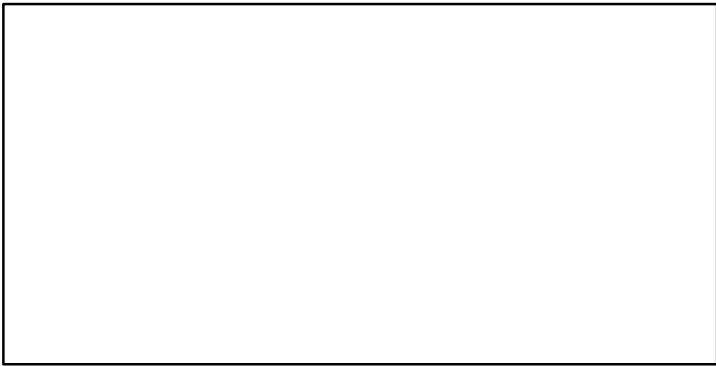
TC-MT, TL*, RecC* (2006-2010-OSIO)

TAC*, Cpair*, Cadv*



survB*

CPUE*



EFFORT*

CdivMSY*



European seabass Gulf of Lions [EBASSGSA7]

Metadata	
Scientific Name	Dicentrarchus labrax
Current Assess ID	STECF-EBASSGSA7-2002-2015-OSIO
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.136
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	246	-	-
TN	-	-	-	-	-
R	R-E00	2015	3.86×10^8	-	-
F	F-1/yr	2015	0.536	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	272	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	3.941	-	-
ER/ERmgt	-	-	-	-	-

European seabass Gulf of Lions [EBASSGSA7]

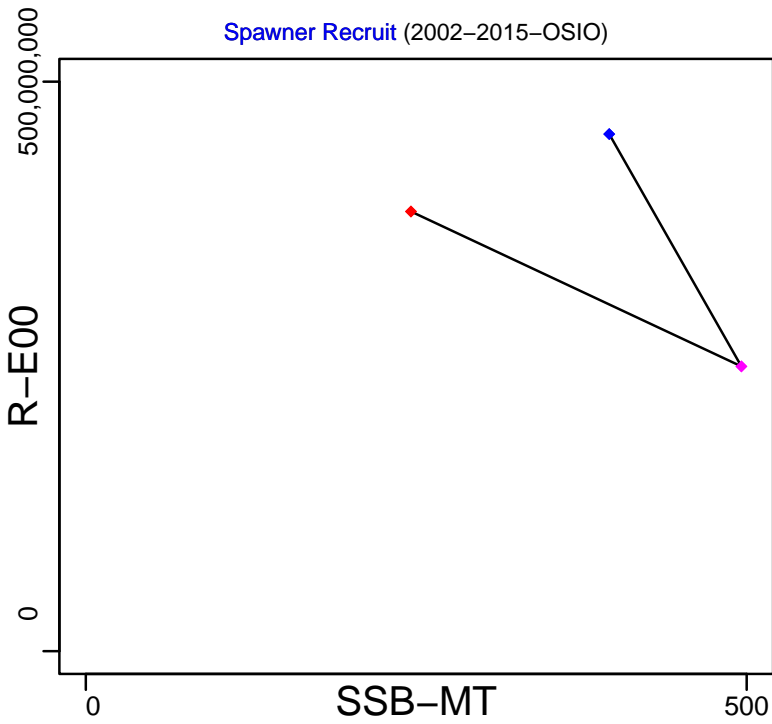
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002-2015-OSIO)



Production*



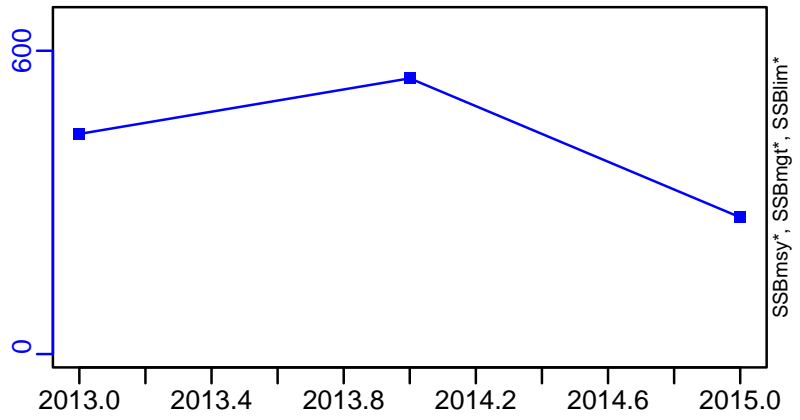
◆ Start Year ◆ End Year * No Data

European seabass Gulf of Lions [EBASSGSA7]

TB*



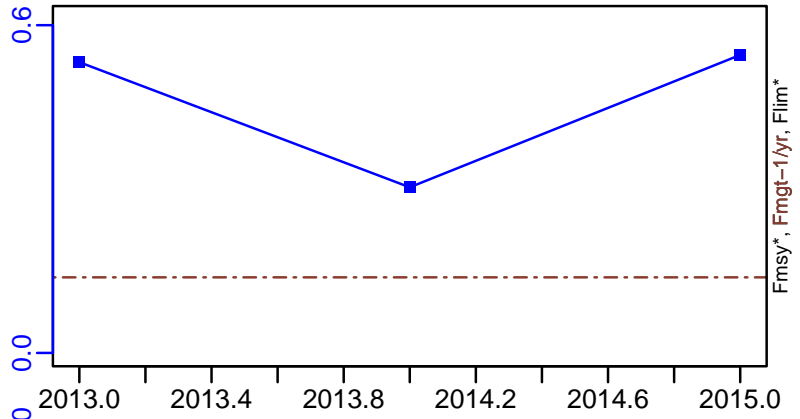
SSB-MT (2002-2015-OSIO)



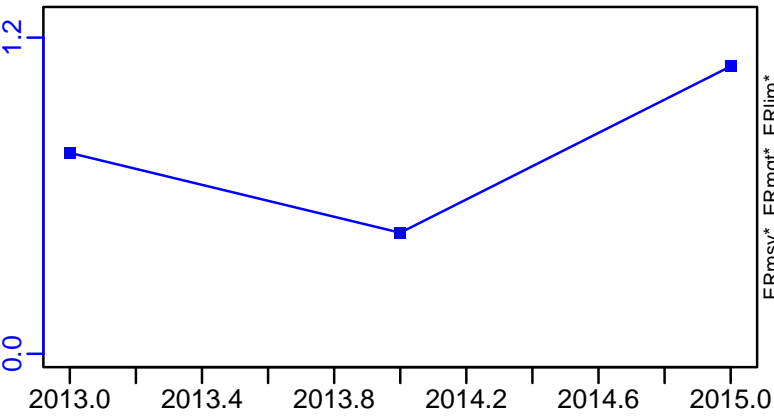
TN *



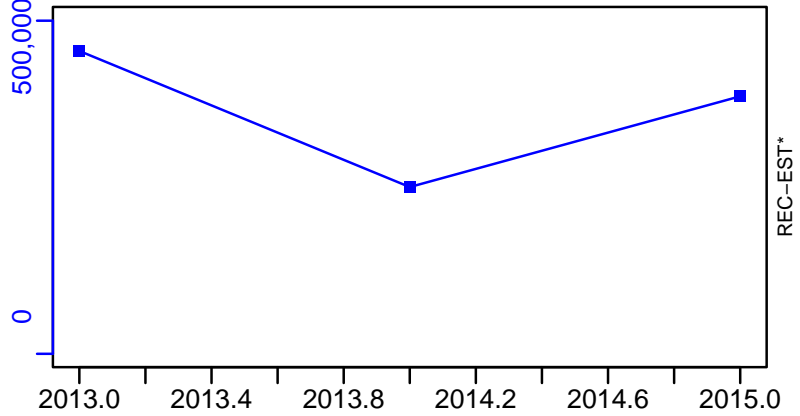
F-1/yr (2002-2015-OSIO)



ER-calc-ratio (2002-2015-OSIO)



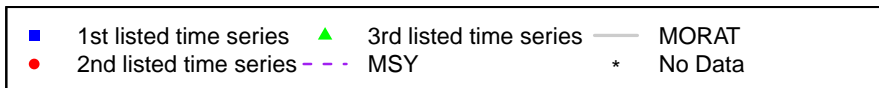
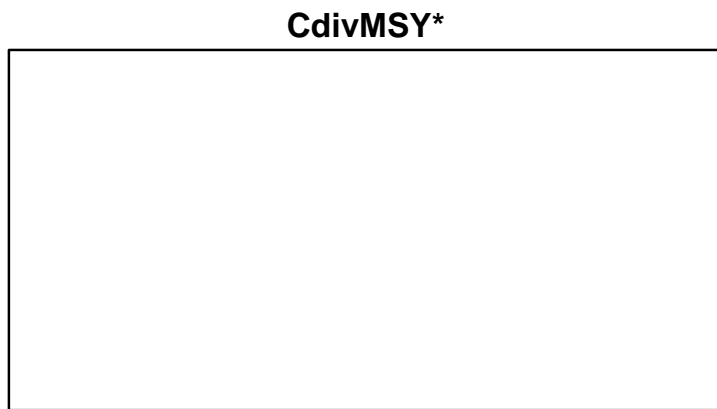
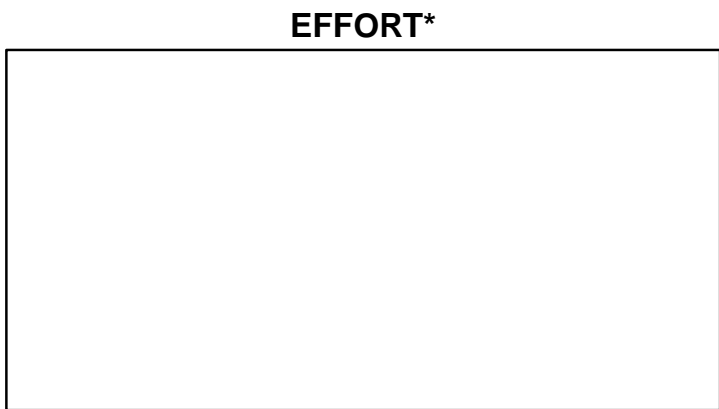
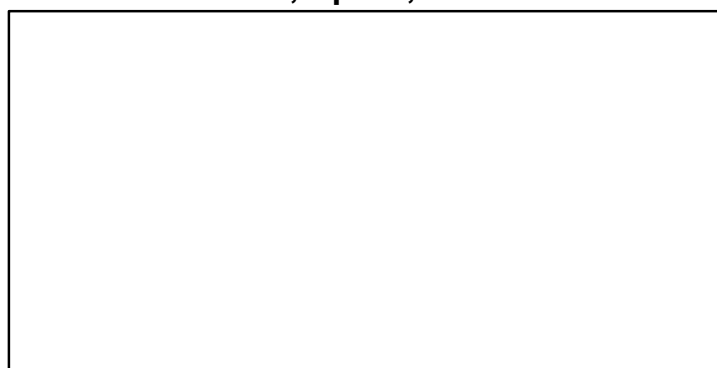
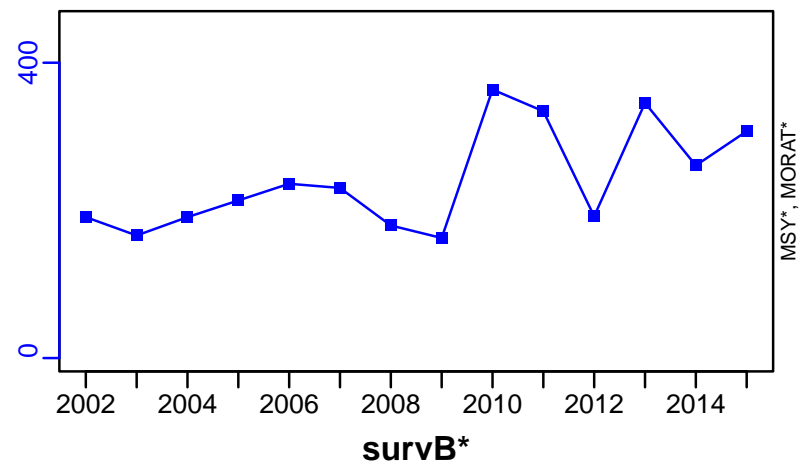
R-E00 (2002-2015-OSIO)



European seabass Gulf of Lions [EBASSGSA7]

TL-MT, TC*, RecC* (2002-2015-OSIO)

TAC*, Cpair*, Cadv*



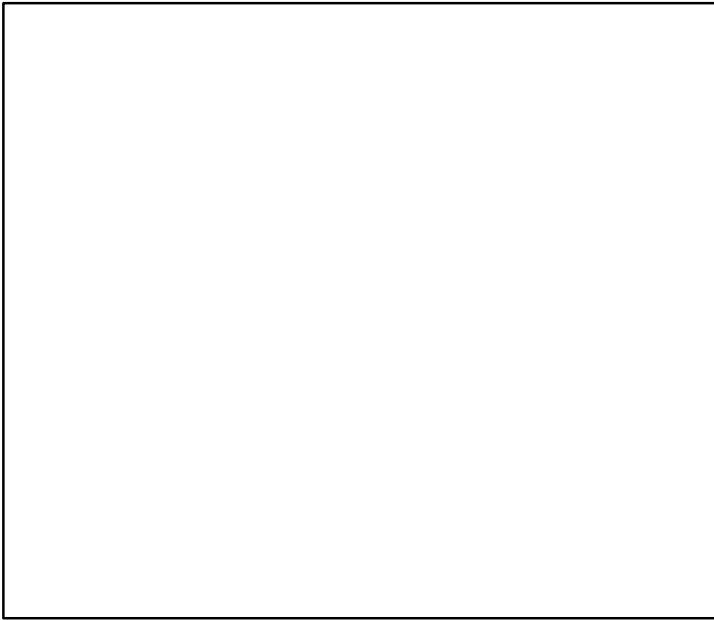
Greater forkbeard Ligurian and North Tyrrhenian Sea [GFORKBMEDGSA9]

Metadata	
Scientific Name	Phycis blennoides
Current Assess ID	STECF-GFORKBMEDGSA9-2007-2011-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

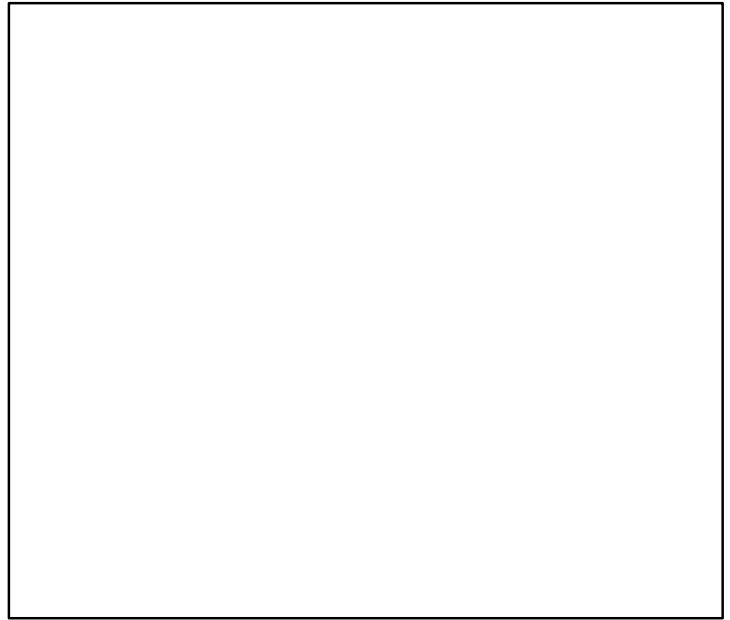
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.32
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	41		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

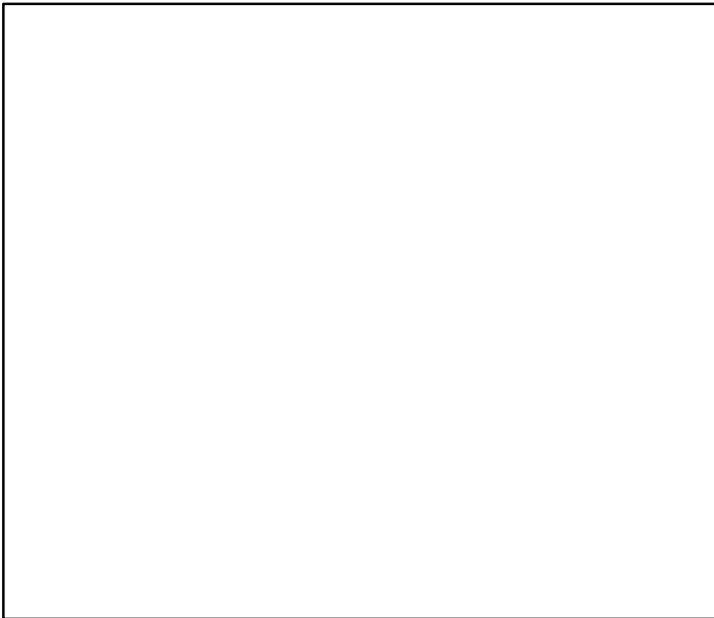
Kobe MSY*



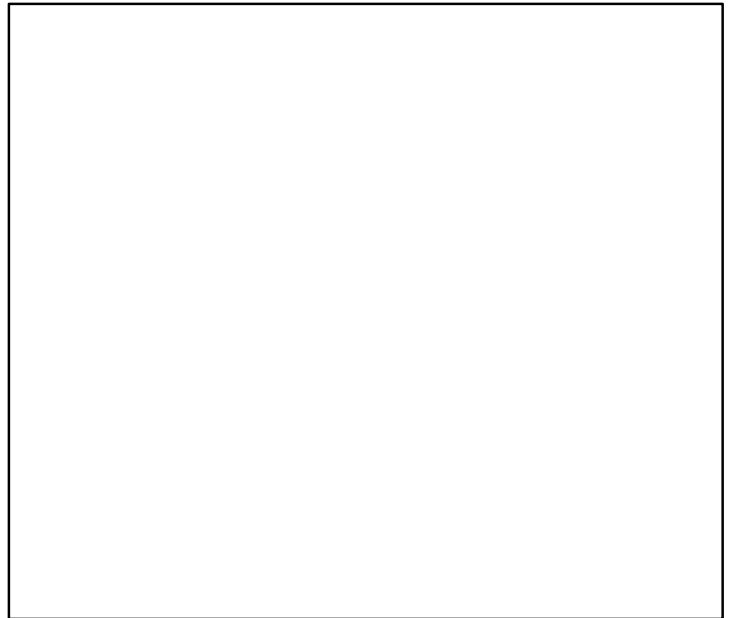
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Greater forkbeard Ligurian and North Tyrrhenian Sea [GFORKBMEDGSA9]

TB*



SSB*



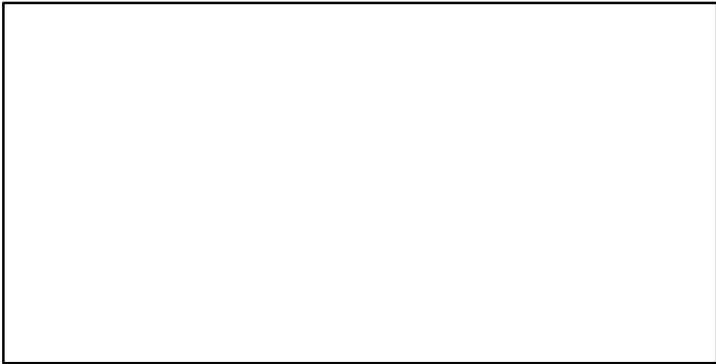
TN *



F*



ER*



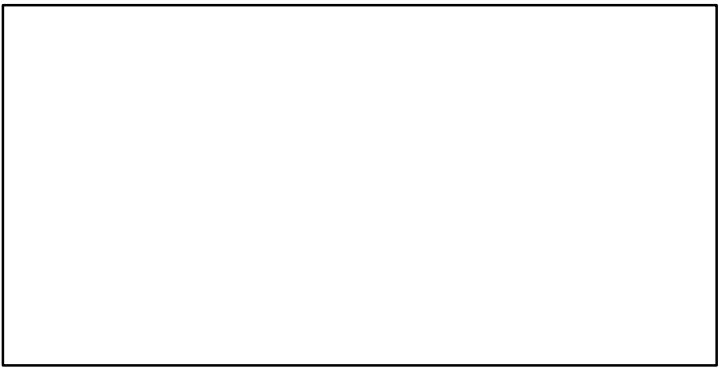
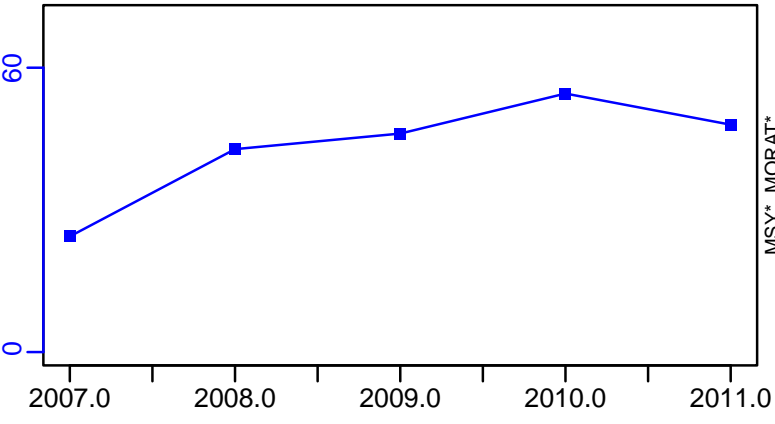
Recruits*



Greater forkbeard Ligurian and North Tyrrhenian Sea [GFORKBMEDGSA9]

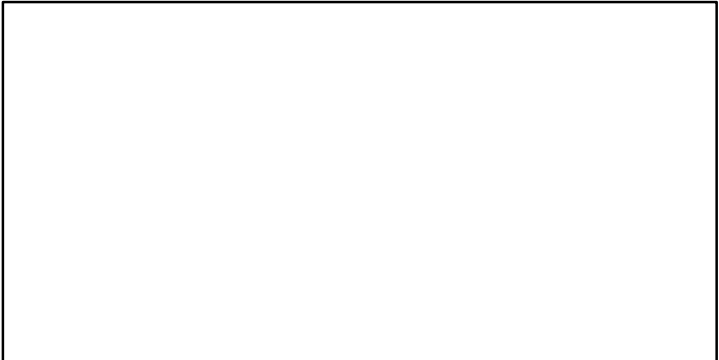
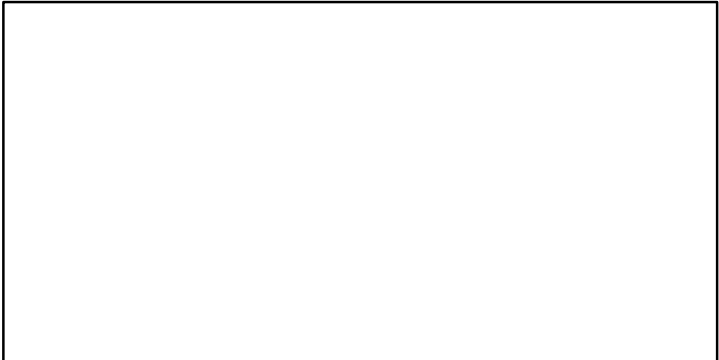
TC-MT, TL*, RecC* (2007-2011-OSIO)

TAC*, Cpair*, Cadv*



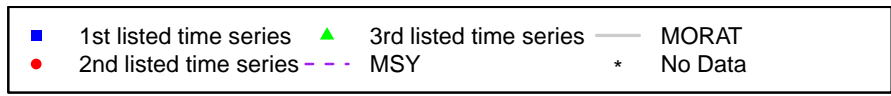
survB*

CPUE*



EFFORT*

CdivMSY*



Gilthead seabream Gulf of Lions [GHBRMGSA7]

Metadata	
Scientific Name	Sparus aurata
Current Assess ID	STECF-GHBRMGSA7-2013-2015-OSIO
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	2650	-	-
TN	-	-	-	-	-
R	R-E00	2015	5.76×10^{10}	-	-
F	F-1/yr	2015	0.45	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	1700	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.368	-	-
ER/ERmgt	-	-	-	-	-

Gilthead seabream Gulf of Lions [GHBRMGSA7]

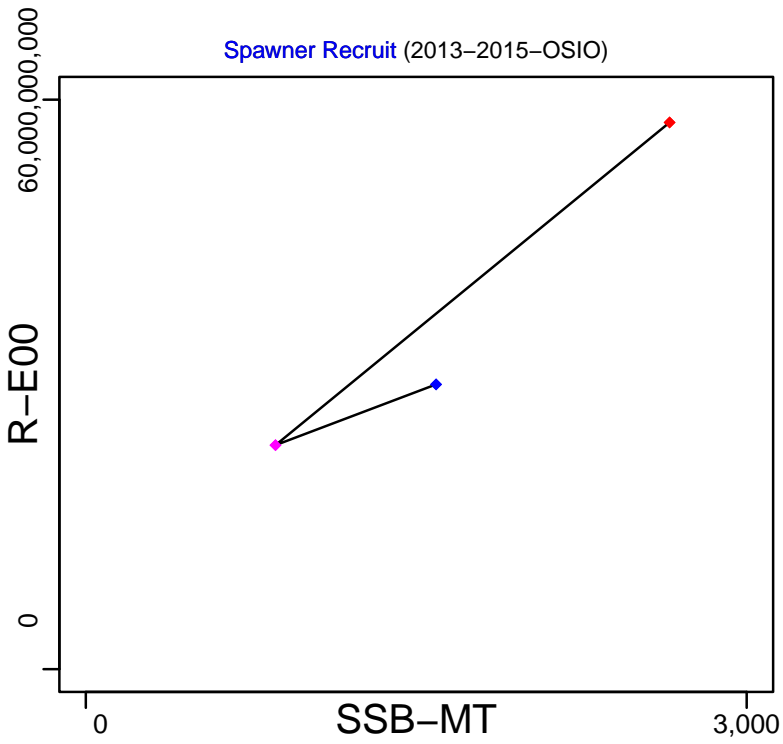
Kobe MSY*



Kobe MGT*



Spawner Recruit (2013-2015-OSIO)



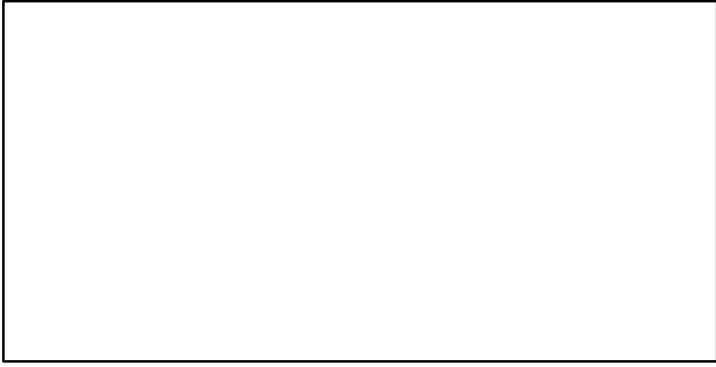
Production*



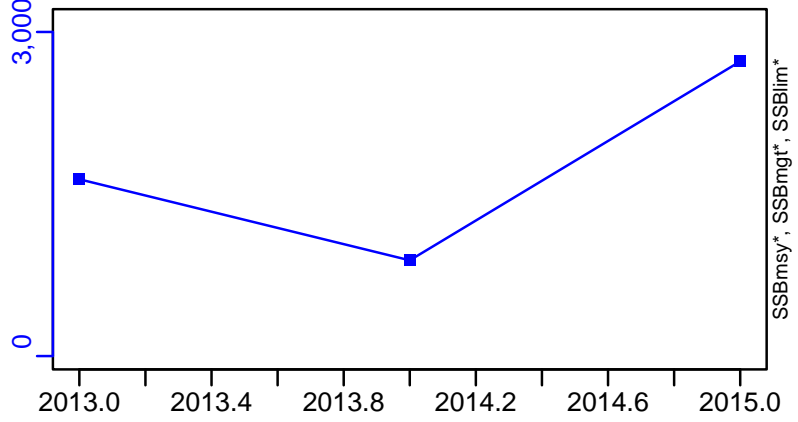
◆ Start Year ◆ End Year * No Data

Gilthead seabream Gulf of Lions [GHB RMGSA7]

TB*



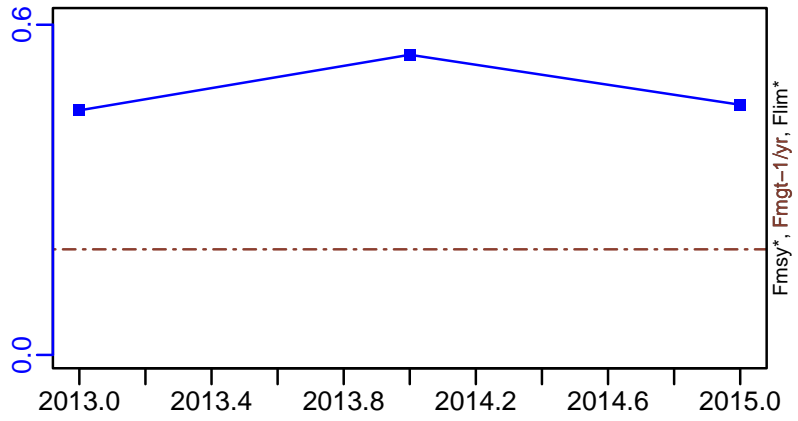
SSB-MT (2013-2015-OSIO)



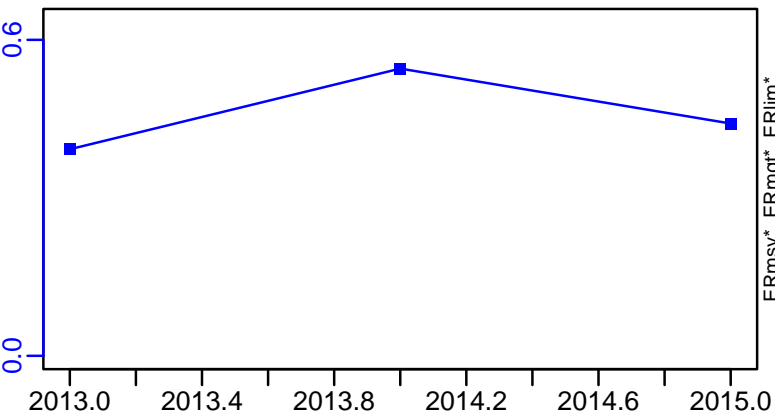
TN *



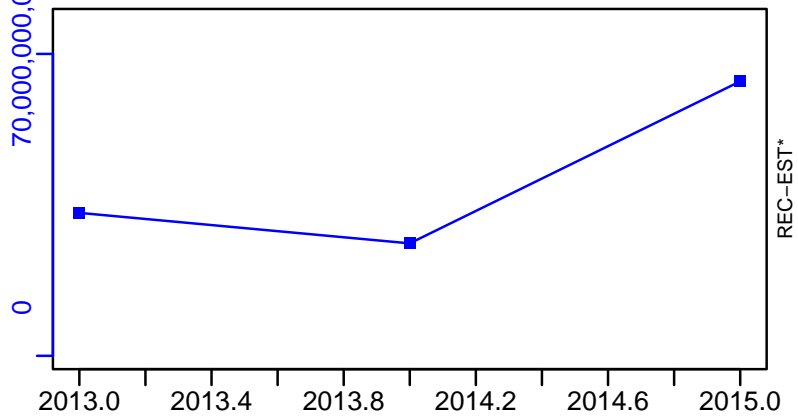
F-1/yr (2013-2015-OSIO)



ER-calc-ratio (2013-2015-OSIO)



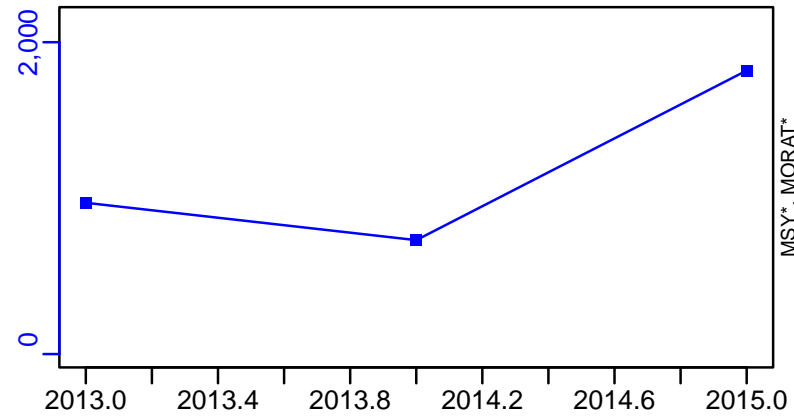
R-E00 (2013-2015-OSIO)



Gilthead seabream Gulf of Lions [GHBRMGSA7]

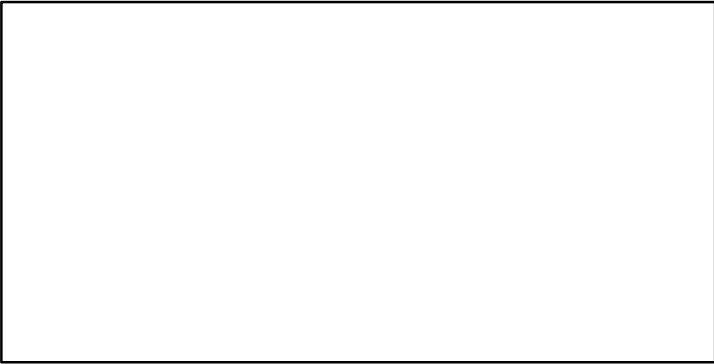
TL-MT, TC*, RecC* (2013-2015-OSIO)

TAC*, Cpair*, Cadv*



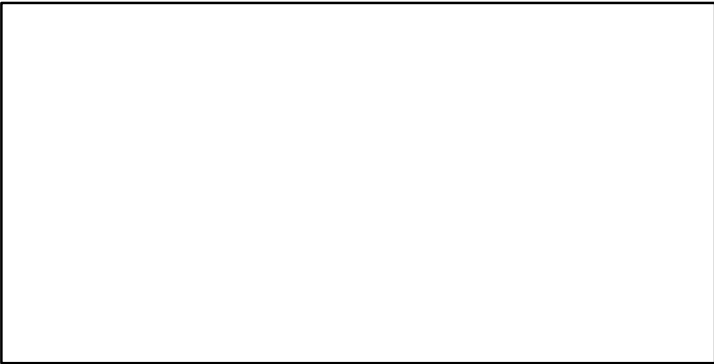
survB*

CPUE*



EFFORT*

CdivMSY*



Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

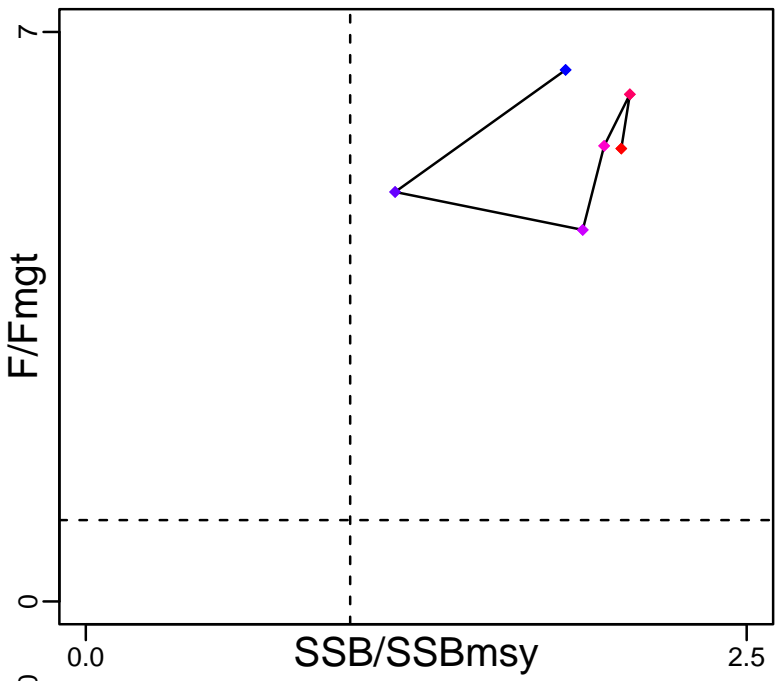
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA12-16-2005-2011-OSIO
Area	Geographical Sub-Areas 12-16
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.3
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

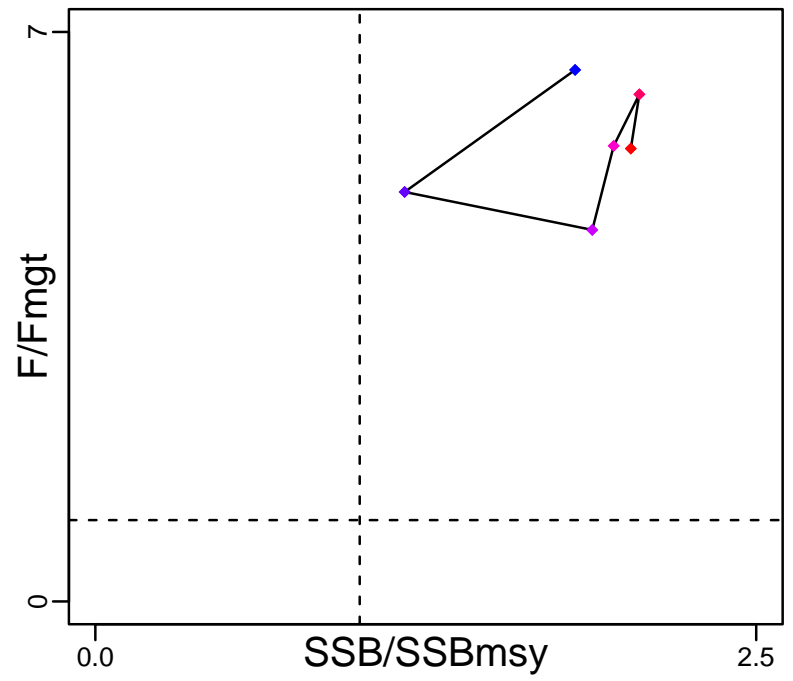
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	1250	-	1+
TN	-	-	-	-	-
R	R-E00	2011	84,400,000	-	-
F	F-1/yr	2011	1.67	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	1590		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	5.567		
ER/ERmgt	-	-	-		

Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

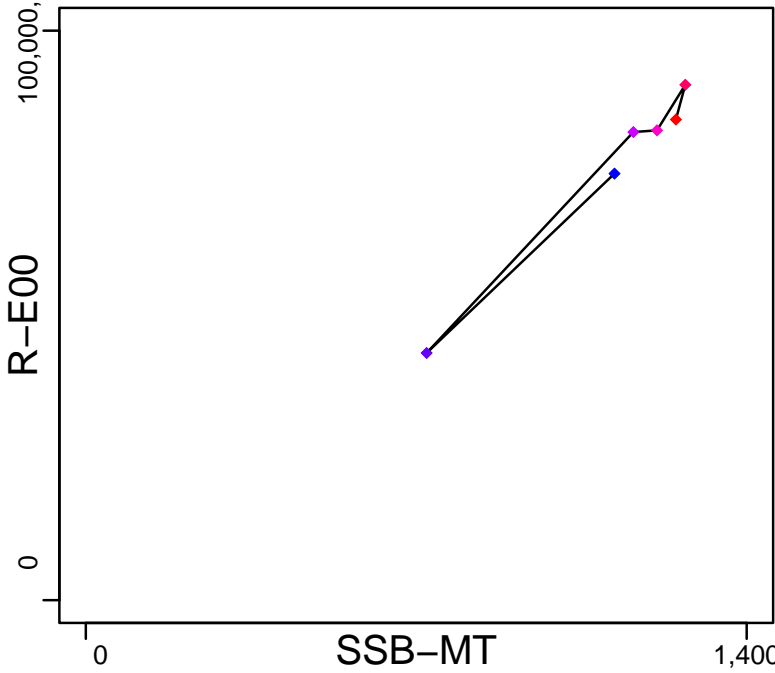
Kobe MSYpref (2005-2011-OSIO)



Kobe MGTpref (2005-2011-OSIO)



Spawner Recruit (2005-2011-OSIO)



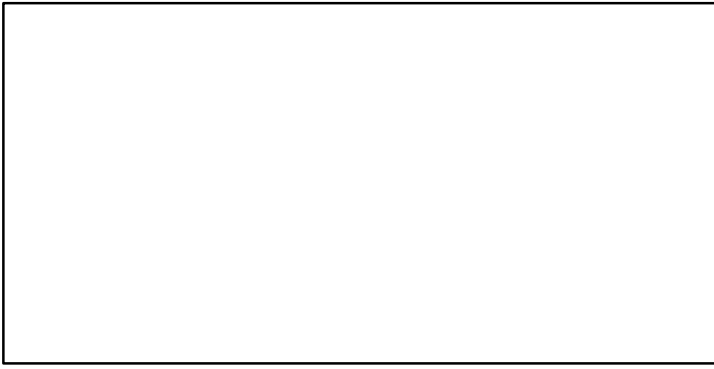
Production*



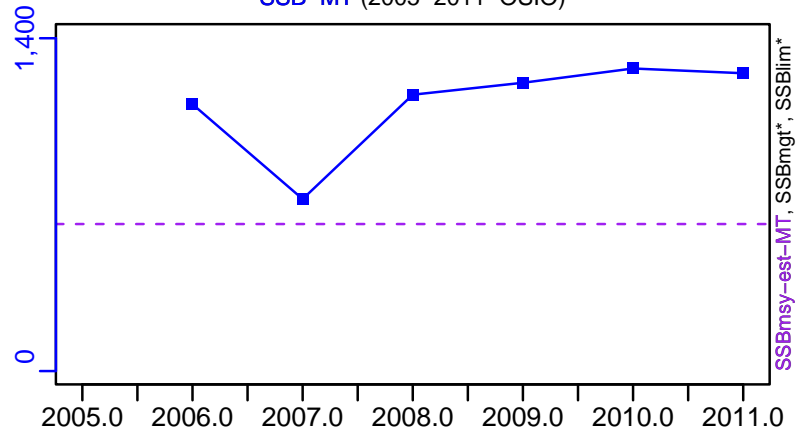
◆ Start Year ◆ End Year * No Data

Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

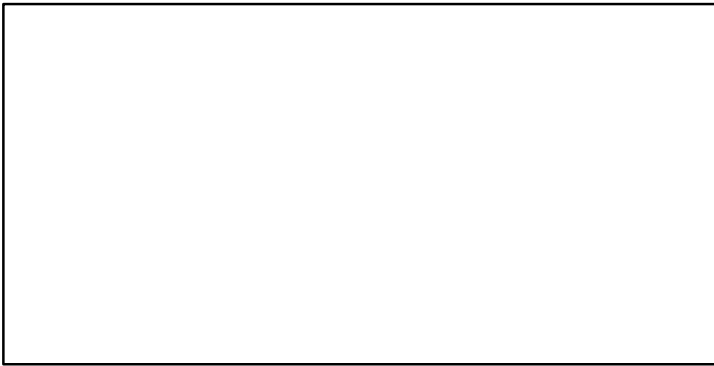
TB*



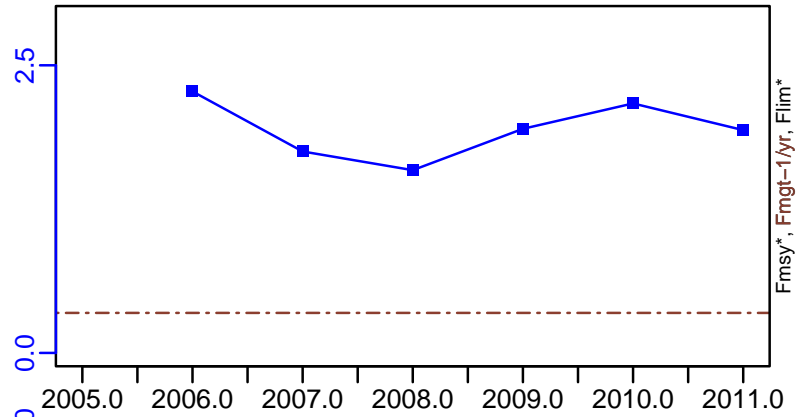
SSB-MT (2005-2011-OSIO)



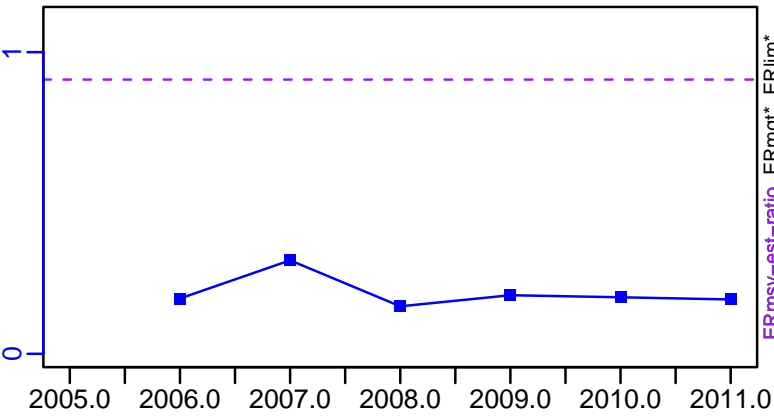
TN *



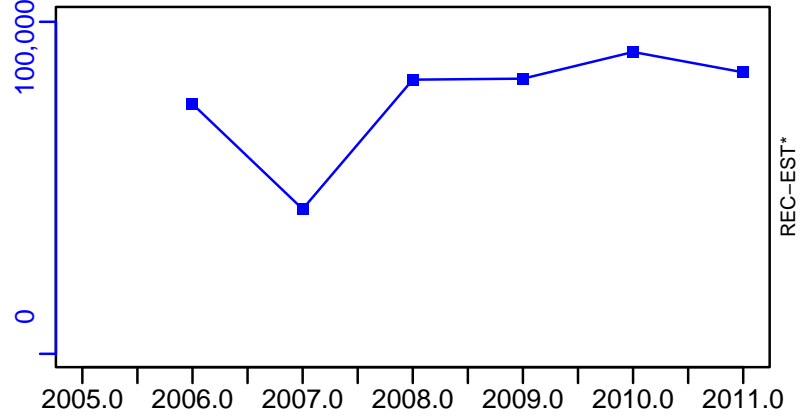
F-1/yr (2005-2011-OSIO)



ER-calc-ratio (2005-2011-OSIO)



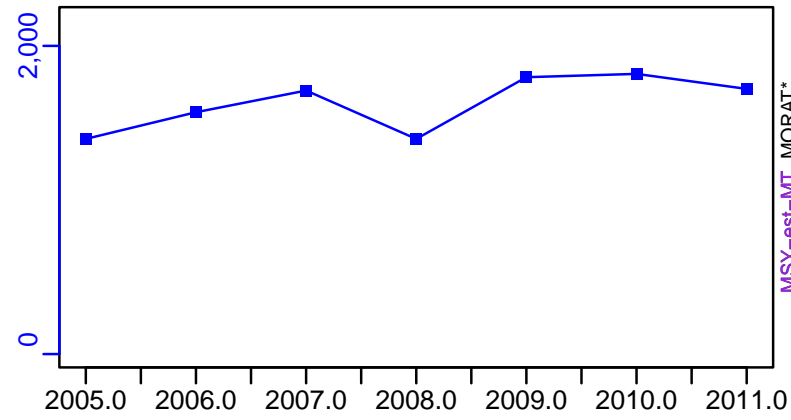
R-E00 (2005-2011-OSIO)



Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

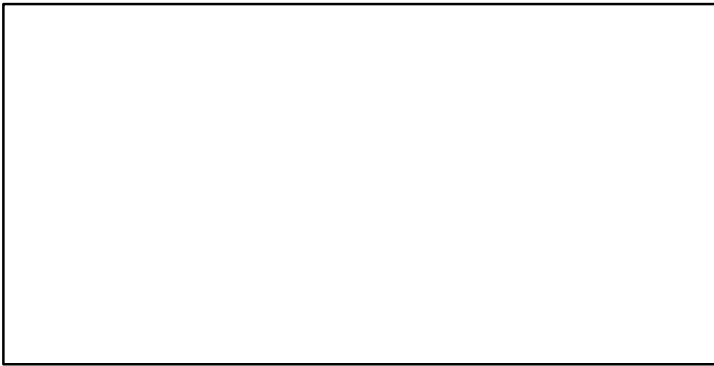
TC-MT, TL*, RecC* (2005-2011-OSIO)

TAC*, Cpair*, Cadv*



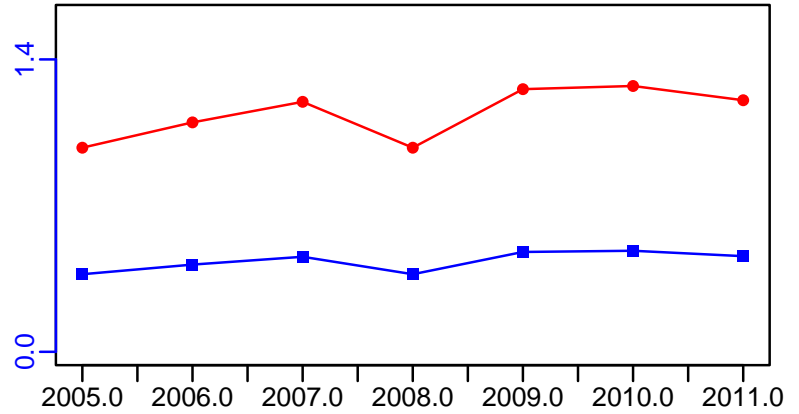
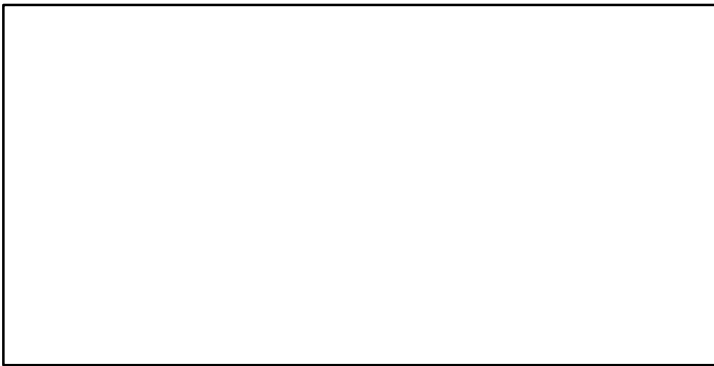
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2005-2011-OSIO)



**Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19)
[GRSHRIMPEDGSA18-19]**

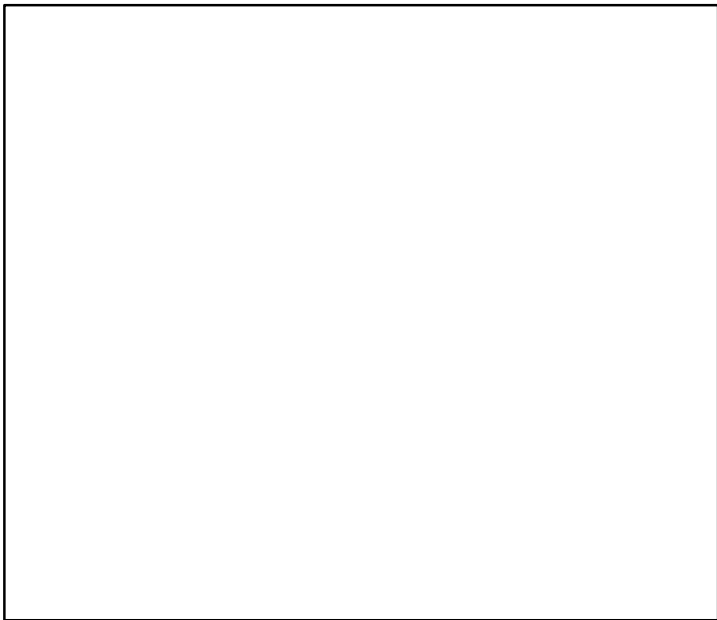
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA18-19-2008-2014-OSIO
Area	South Adriatic Sea and West Ionian Sea (GSA 18,19)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.42
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	525	-	1+
TN	-	-	-	-	-
R	R-E00	2014	30,200,000	-	-
F	F-1/yr	2014	0.463	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	328		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.102		
ER/ERmgt	-	-	-		

Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPEDGSA18-19]

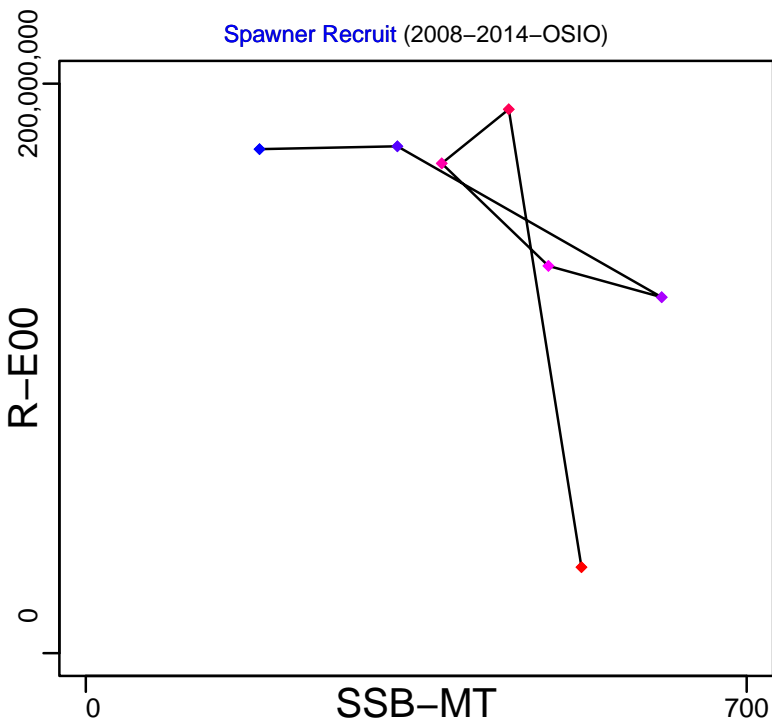
Kobe MSY*



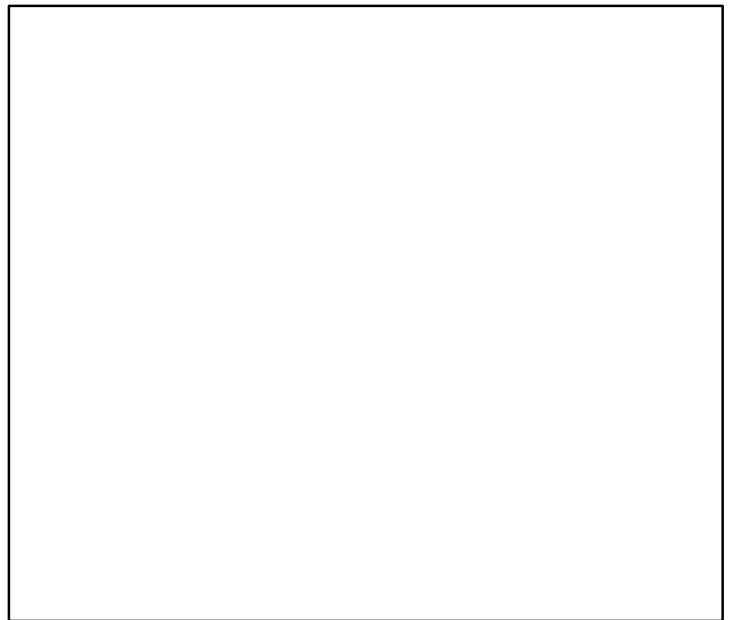
Kobe MGT*



Spawner Recruit (2008-2014-OSIO)



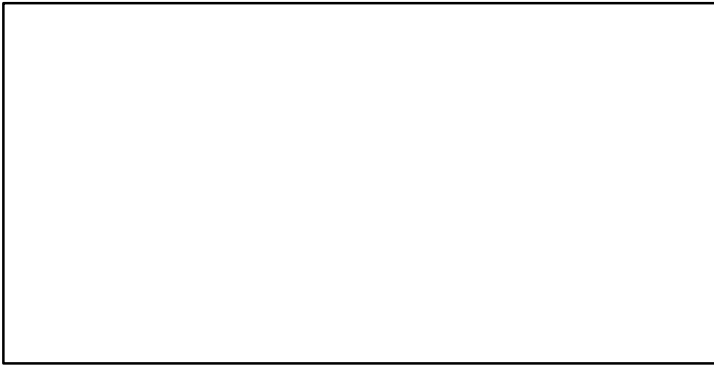
Production*



◆ Start Year ◆ End Year * No Data

Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPEDGSA18-19]

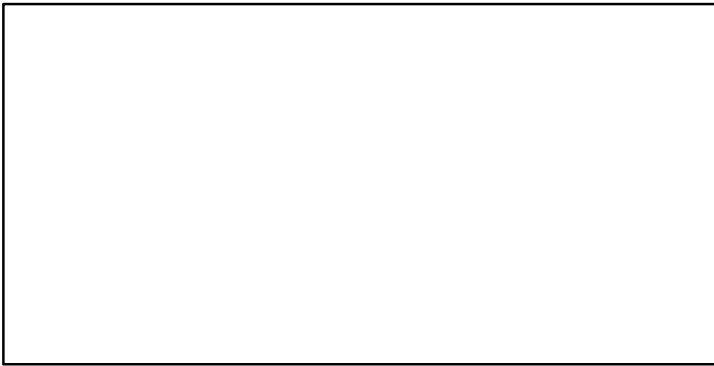
TB*



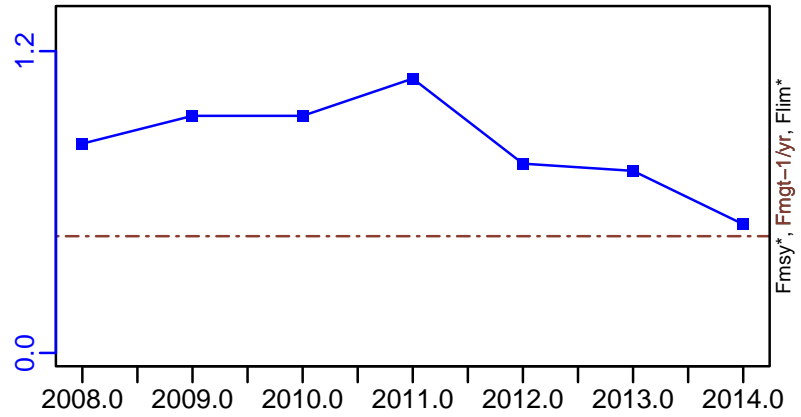
SSB-MT (2008-2014-OSIO)



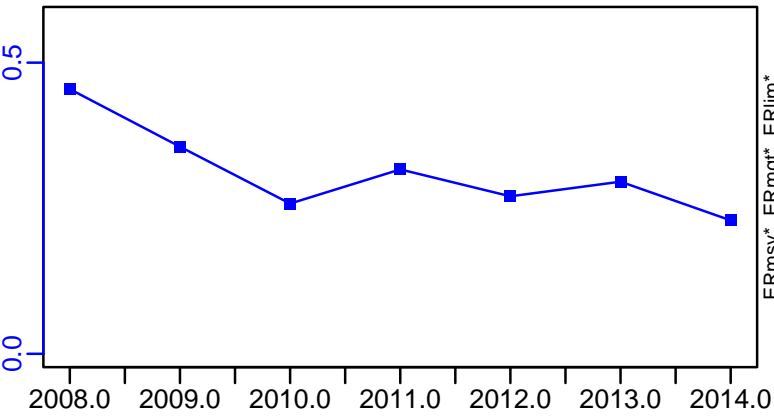
TN *



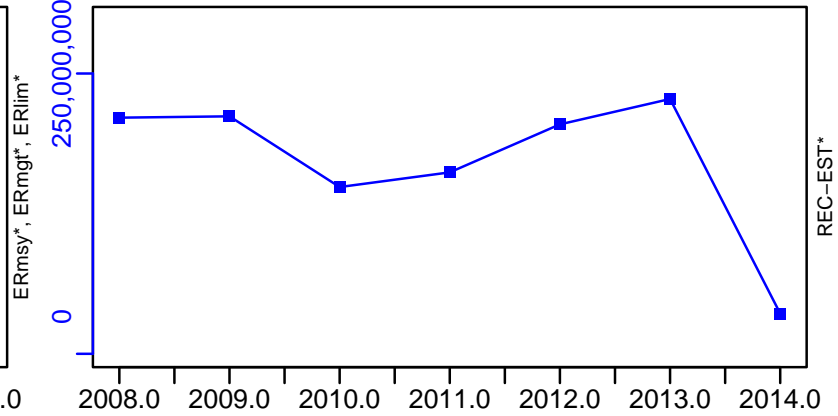
F-1/yr (2008-2014-OSIO)



ER-calc-ratio (2008-2014-OSIO)



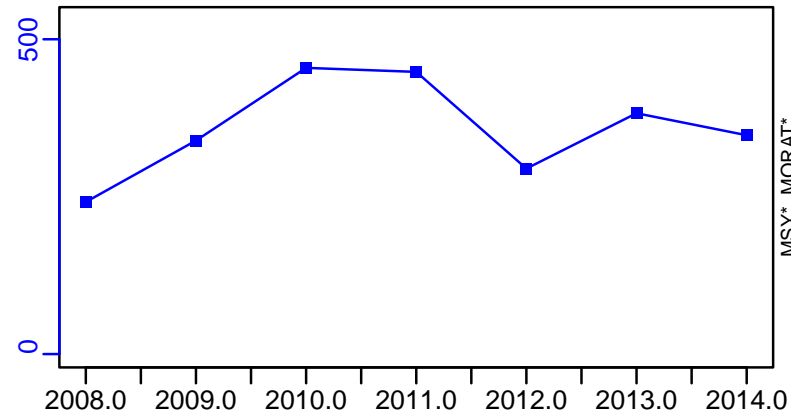
R-E00 (2008-2014-OSIO)



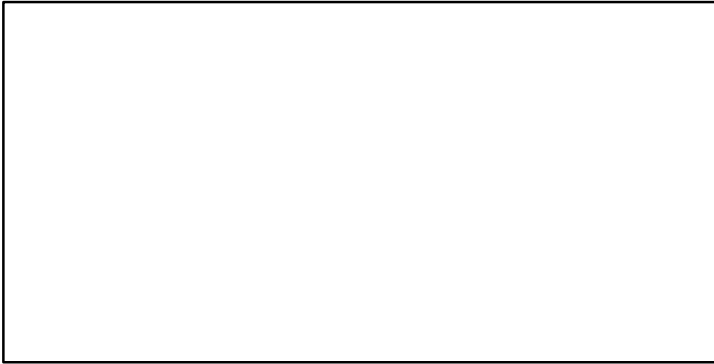
Giant red shrimp South Adriatic Sea and West Ionian Sea (GSA 18,19) [GRSHRIMPEDGSA18-19]

TC-MT, TL*, RecC* (2008-2014-OSIO)

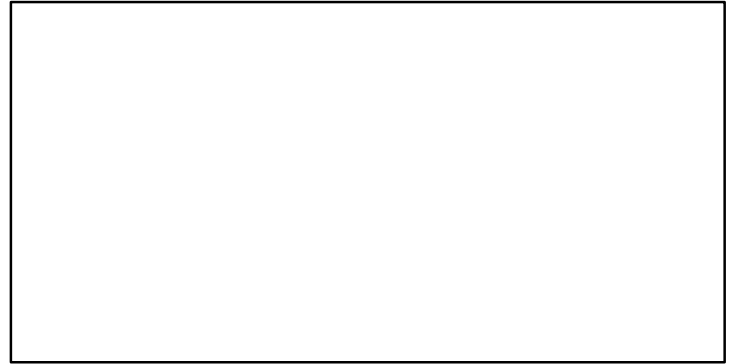
TAC*, Cpair*, Cadv*



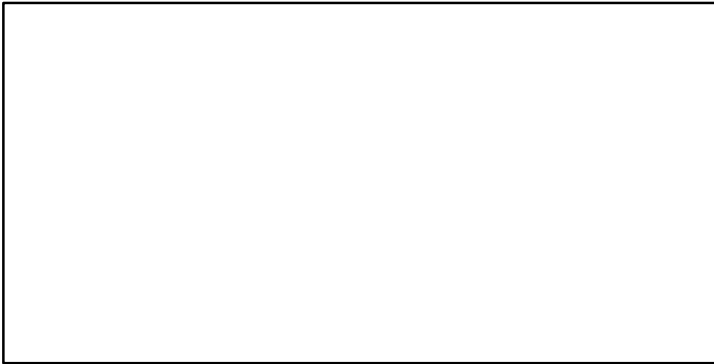
survB*



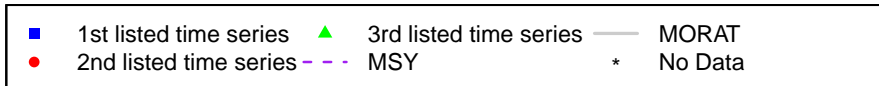
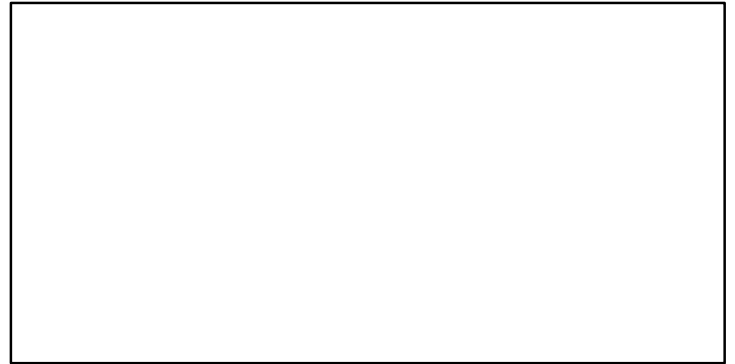
CPUE*



EFFORT*



CdivMSY*



Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPEDGSA9-11]

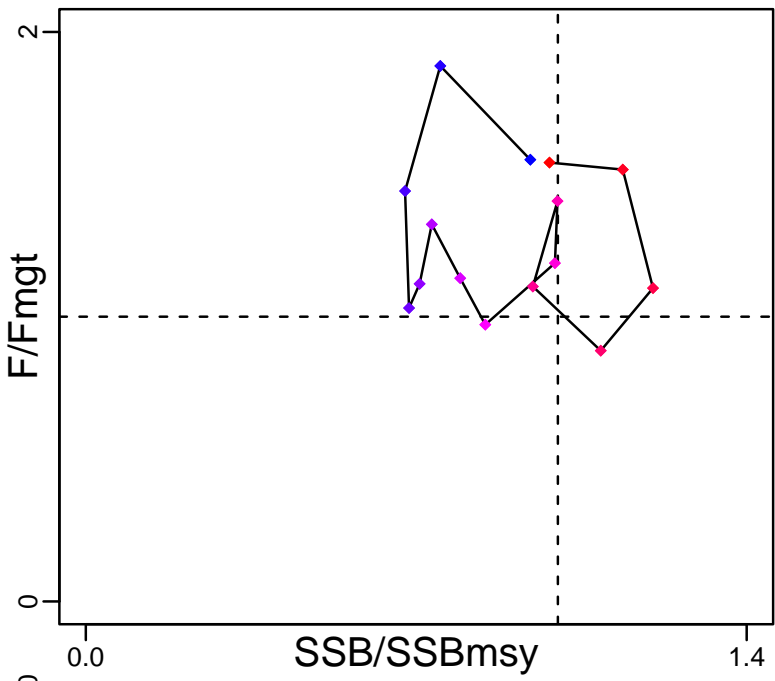
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA9-11-2005-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.476
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

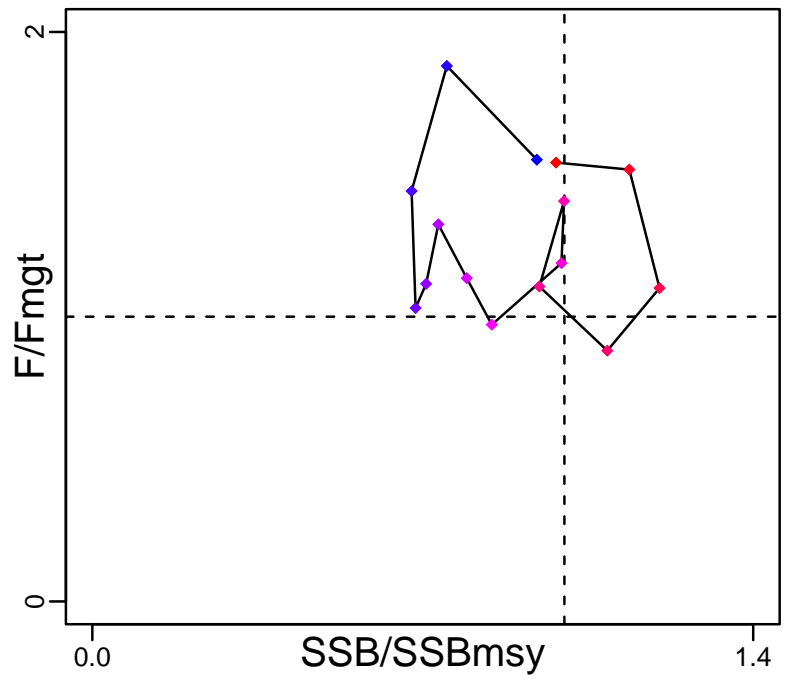
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	716	-	-
TN	-	-	-	-	-
R	R-E00	2019	279,817,380	-	-
F	F-1/yr	2019	0.734	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	571		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.541		
ER/ERmgt	-	-	-		

Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPEDGSA9-11]

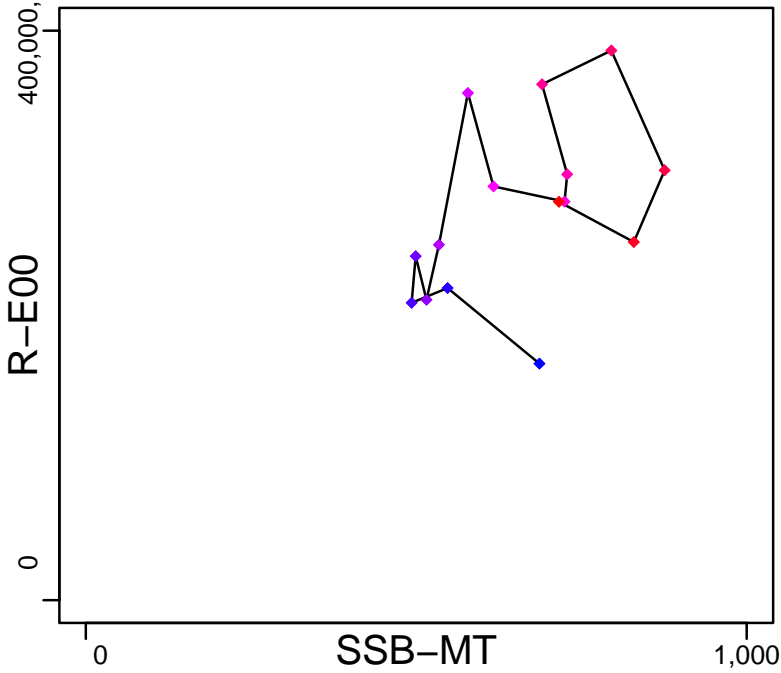
Kobe MSYpref (2005-2019-MEDIMP2021-2)



Kobe MGTpref (2005-2019-MEDIMP2021-2)



Spawner Recruit (2005-2019-MEDIMP2021-2)



Production*



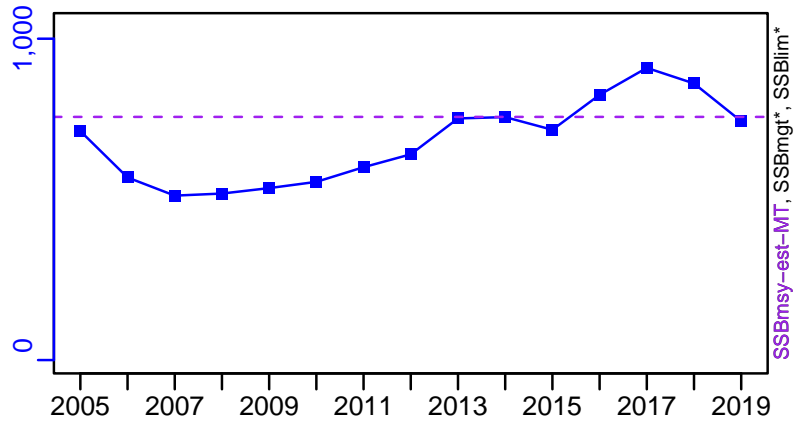
◆ Start Year ◆ End Year * No Data

Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPEDGSA9-11]

TB*



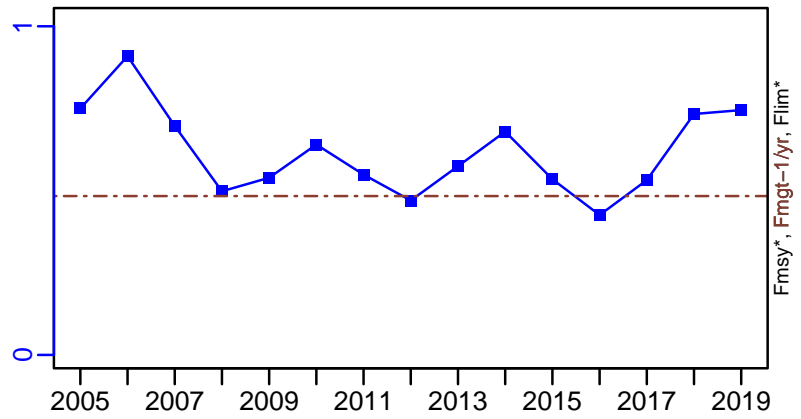
SSB-MT (2005-2019-MEDIMP2021-2)



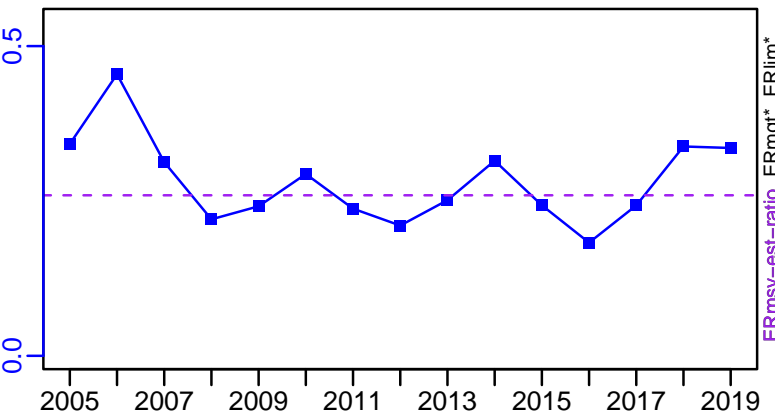
TN *



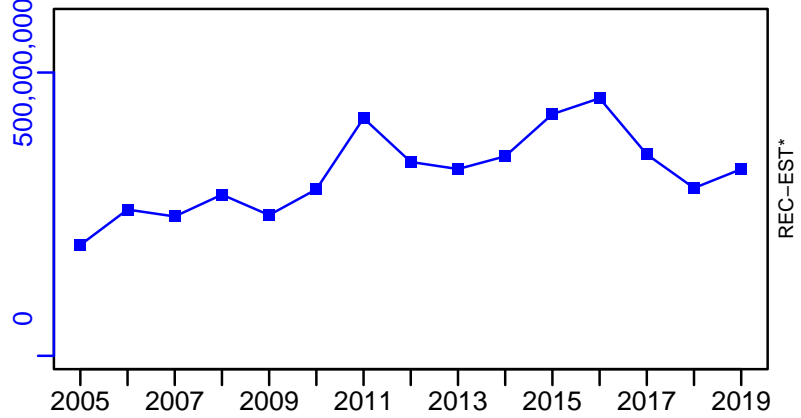
F-1/yr (2005-2019-MEDIMP2021-2)



ER-calc-ratio (2005-2019-MEDIMP2021-2)



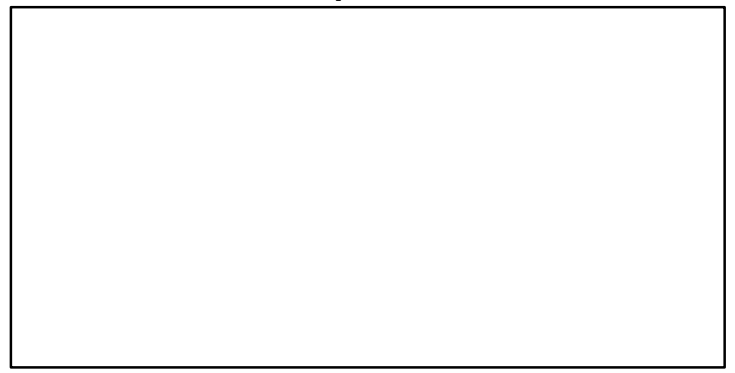
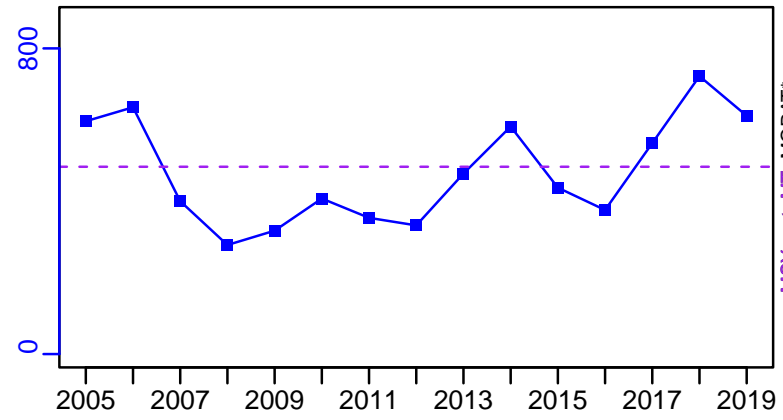
R-E00 (2005-2019-MEDIMP2021-2)



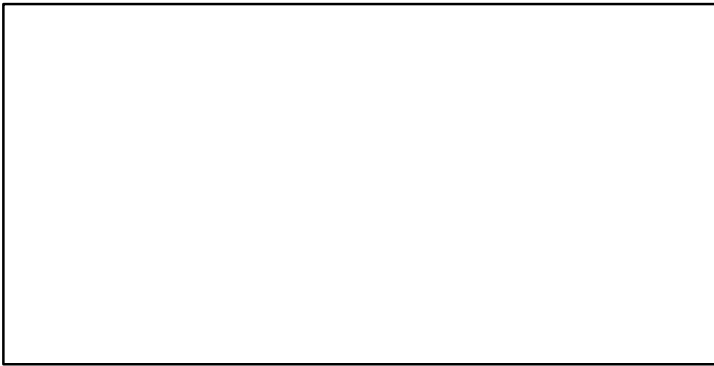
Giant red shrimp Geographical Sub-Areas 9-11 [GRSHRIMPEDGSA9-11]

TC-MT, TL*, RecC* (2005-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



survB*



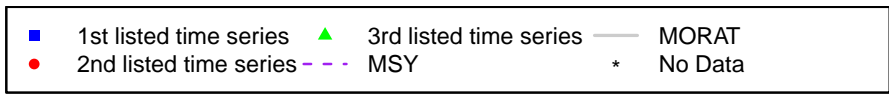
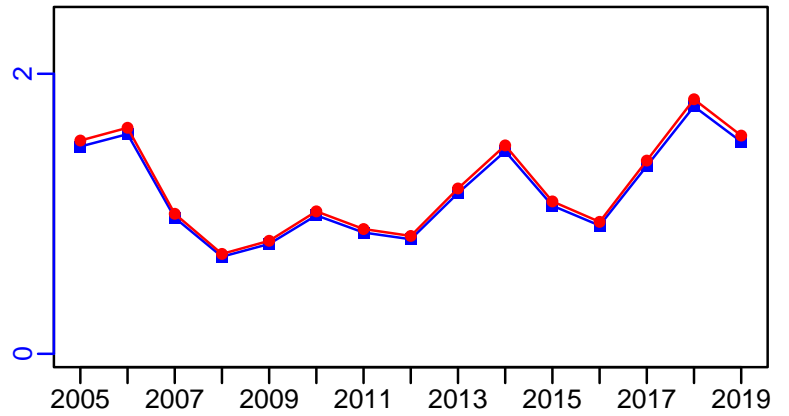
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2005-2019-MEDIMP2021-2)



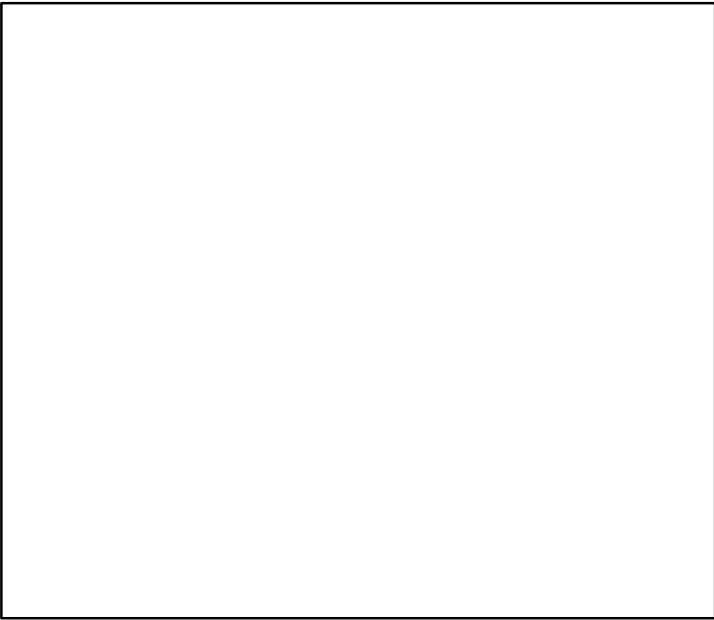
Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA15-16-2005-2009-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.15
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2009	1.12	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	1590		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	7.467		
ER/ERmgt	-	-	-		

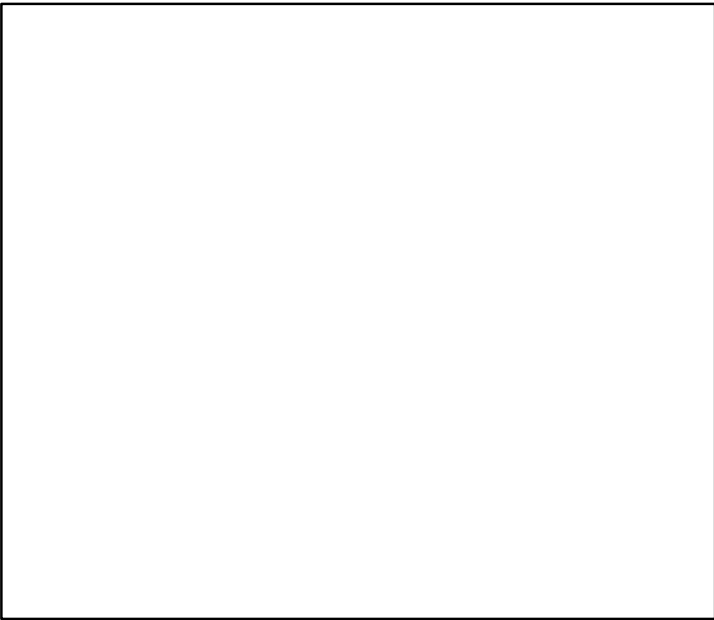
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

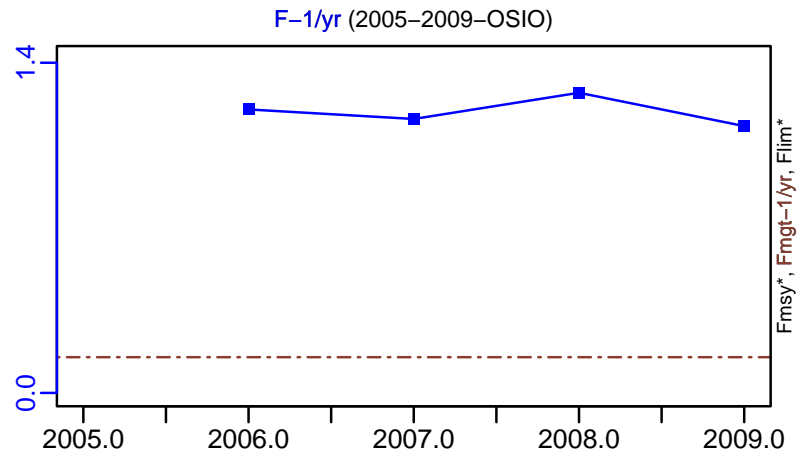
TB*



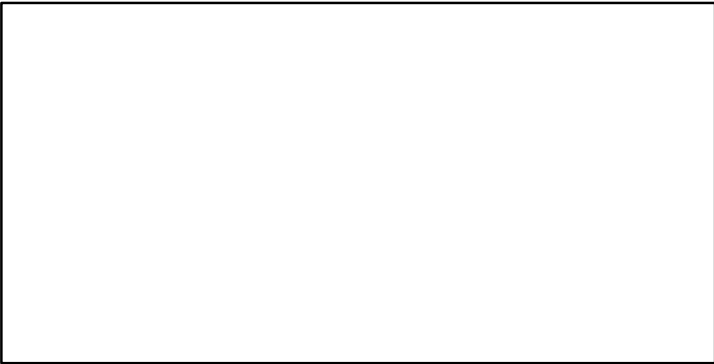
SSB*



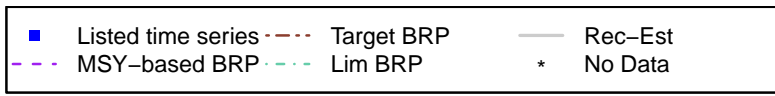
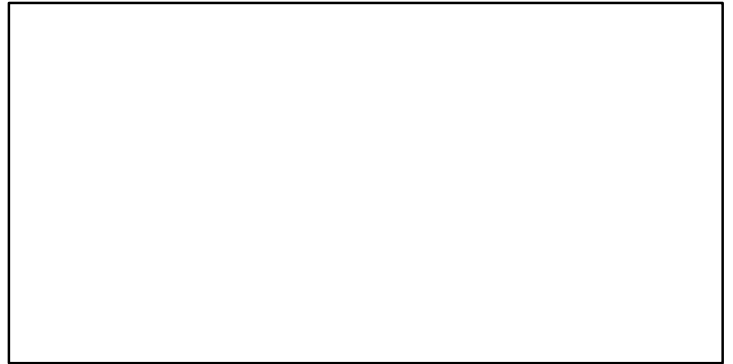
TN *



ER*



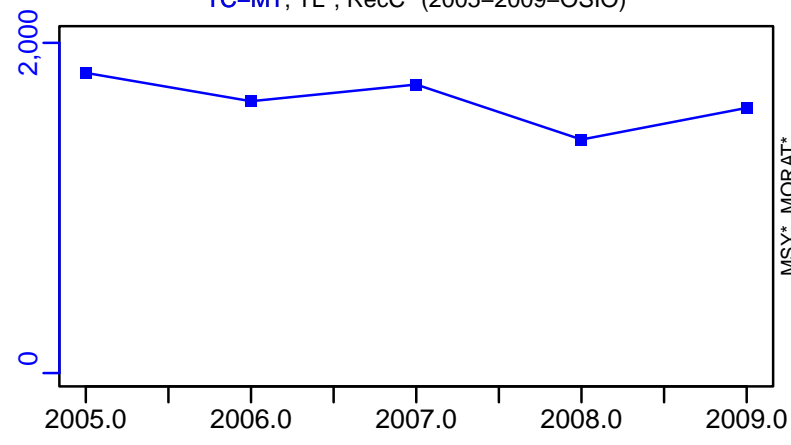
Recruits*



Hake Malta Island and South of Sicily (GSA 15, 16) [HAKEMEDGSA15-16]

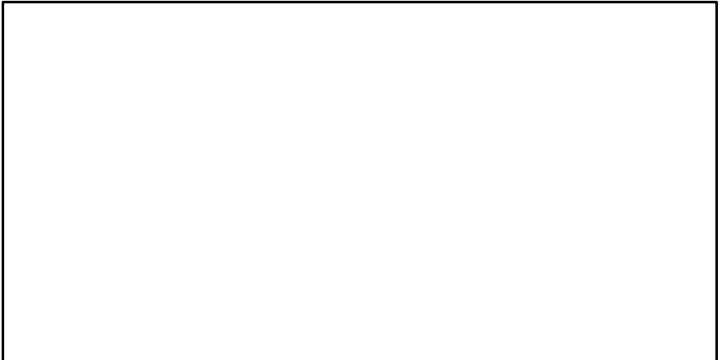
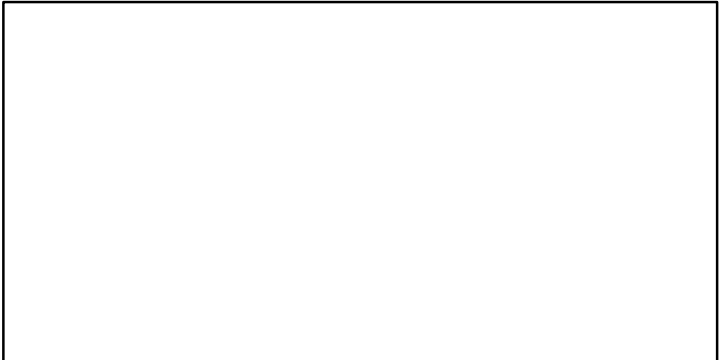
TC-MT, TL*, RecC* (2005-2009-OSIO)

TAC*, Cpair*, Cadv*



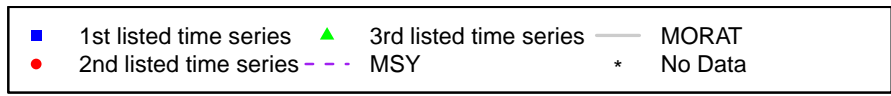
survB*

CPUE*



EFFORT*

CdivMSY*



Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

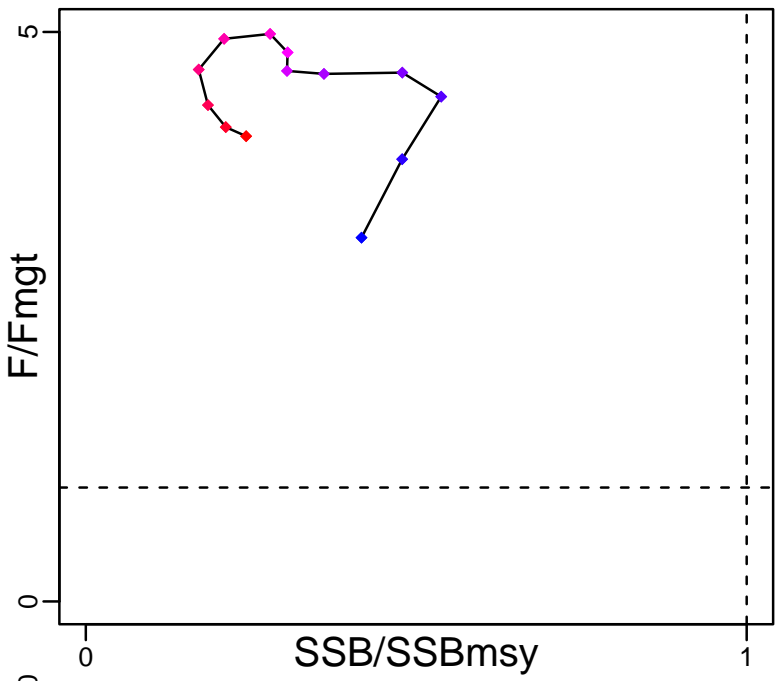
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA1-7-2007-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 1-7
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.388
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	5186
Flim	-	-	-
ERlim	-	-	-

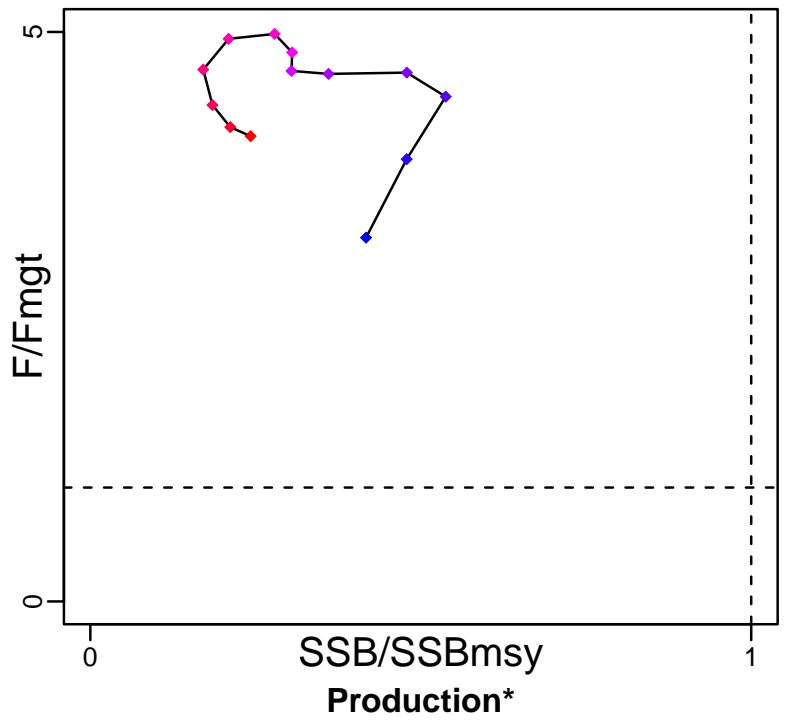
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	2076	-	-
TN	-	-	-	-	-
R	R-E00	2019	42,849,214	-	-
F	F-1/yr	2019	1.585	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	3148		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	4.085		
ER/ERmgt	-	-	-		

Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

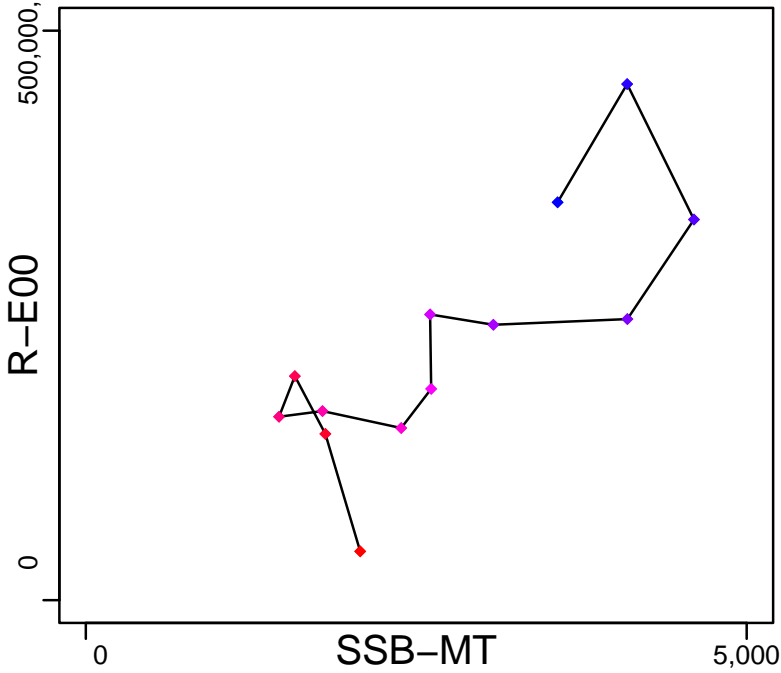
Kobe MSYpref (2007-2019-MEDIMP2021-2)



Kobe MGTpref (2007-2019-MEDIMP2021-2)



Spawner Recruit (2007-2019-MEDIMP2021-2)



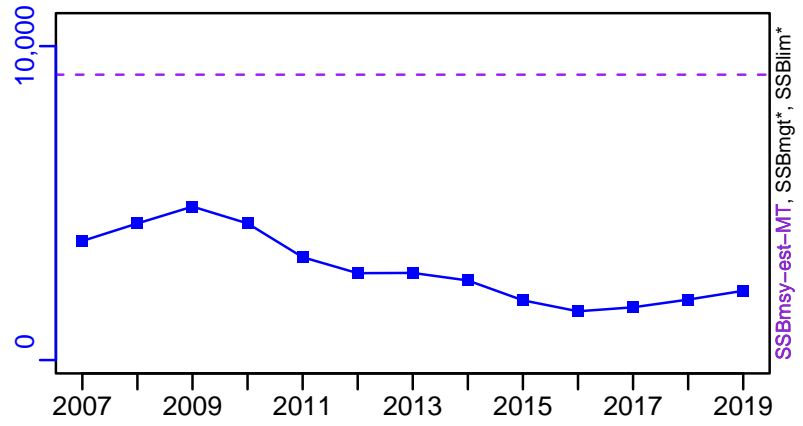
◆ Start Year ◆ End Year * No Data

Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

TB*



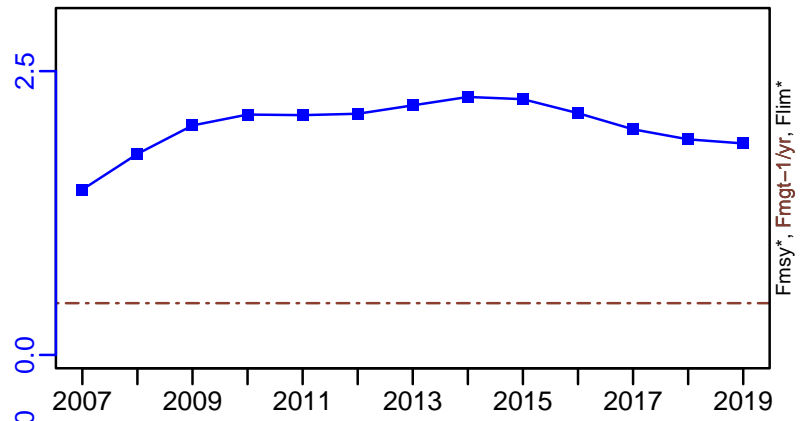
SSB-MT (2007-2019-MEDIMP2021-2)



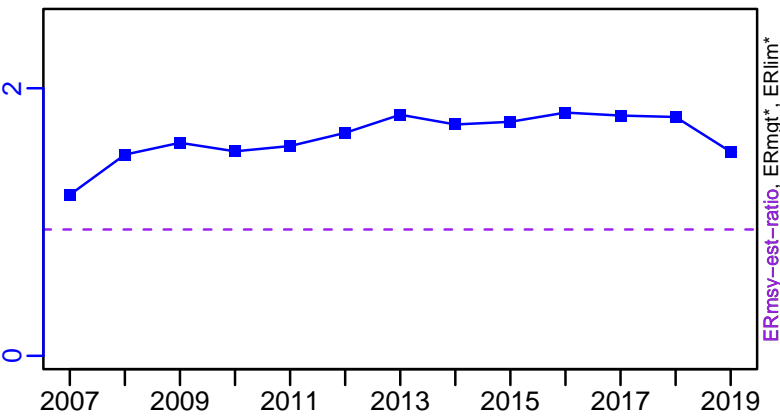
TN *



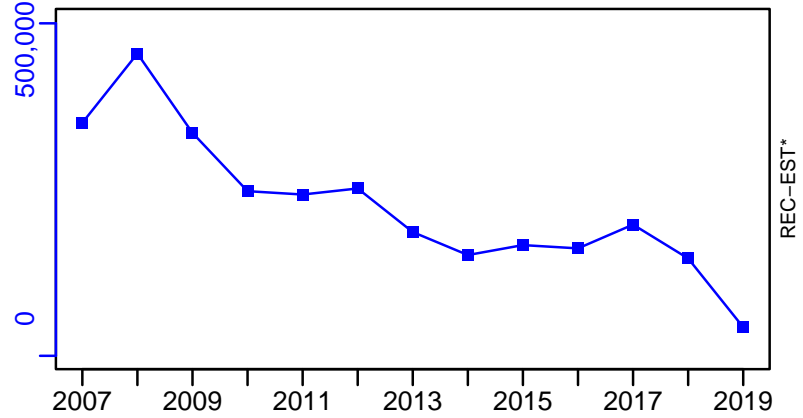
F-1/yr (2007-2019-MEDIMP2021-2)



ER-calc-ratio (2007-2019-MEDIMP2021-2)



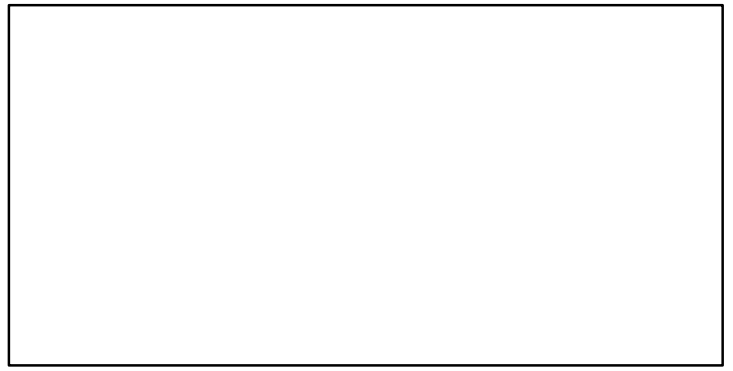
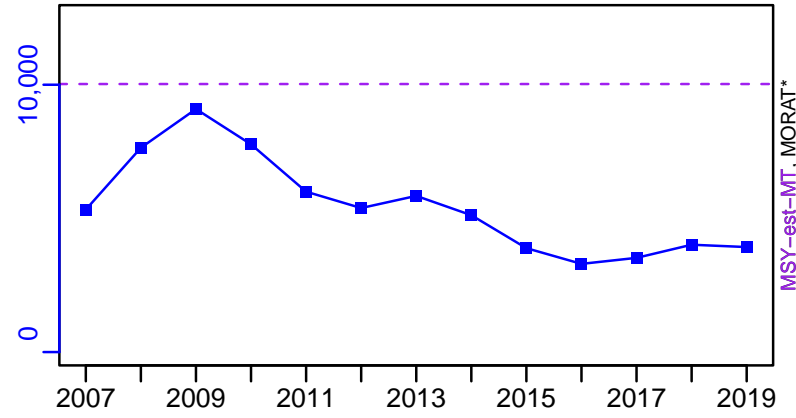
R-E00 (2007-2019-MEDIMP2021-2)



Hake Geographical Sub-Areas 1-7 [HAKEMEDGSA1-7]

TC-MT, TL*, RecC* (2007-2019-MEDIMP2021-2)

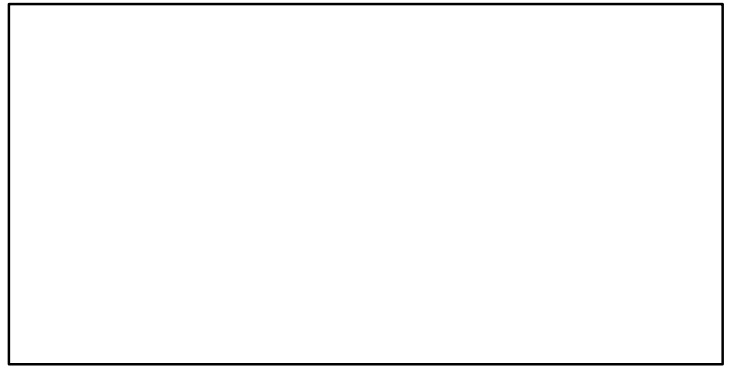
TAC*, Cpair*, Cadv*



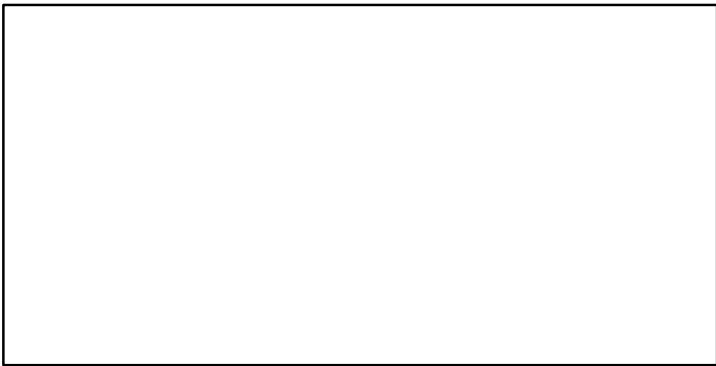
survB*



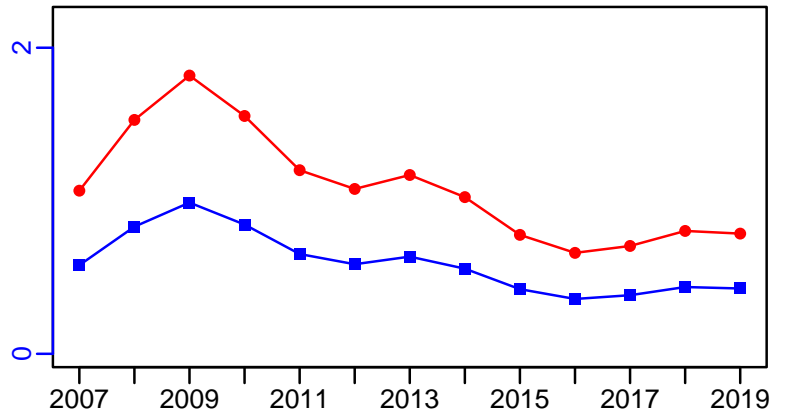
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2007-2019-MEDIMP2021-2)



Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA17-18-1998-2019-MEDIMP2021-2
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2019	0.179
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.179
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	3322	-	-
TN	-	-	-	-	-
R	R-E00	2019	326,847,000	-	-
F	F-1/yr	2019	0.41	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	5361		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	2.291		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.291		
ER/ERmgt	-	-	-		

Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

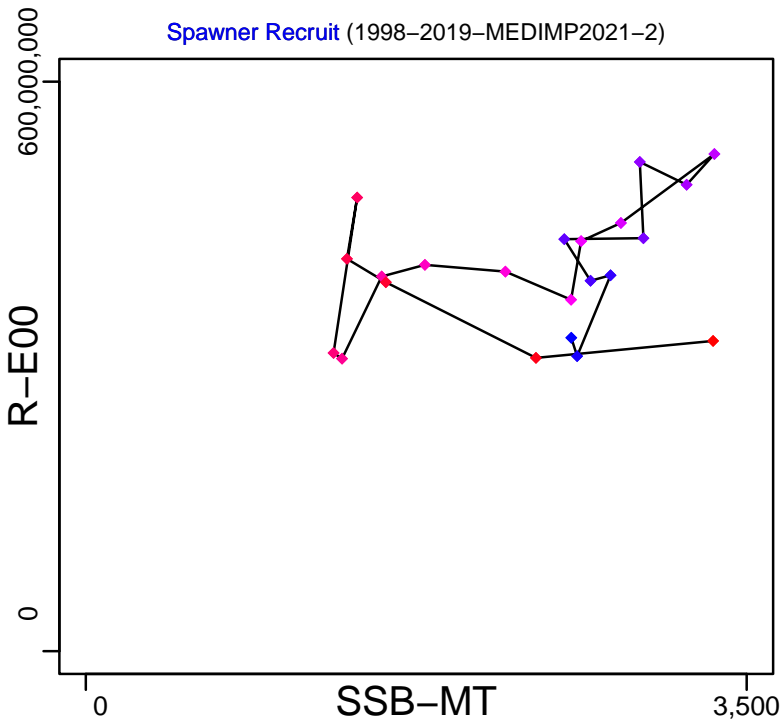
Kobe MSY*



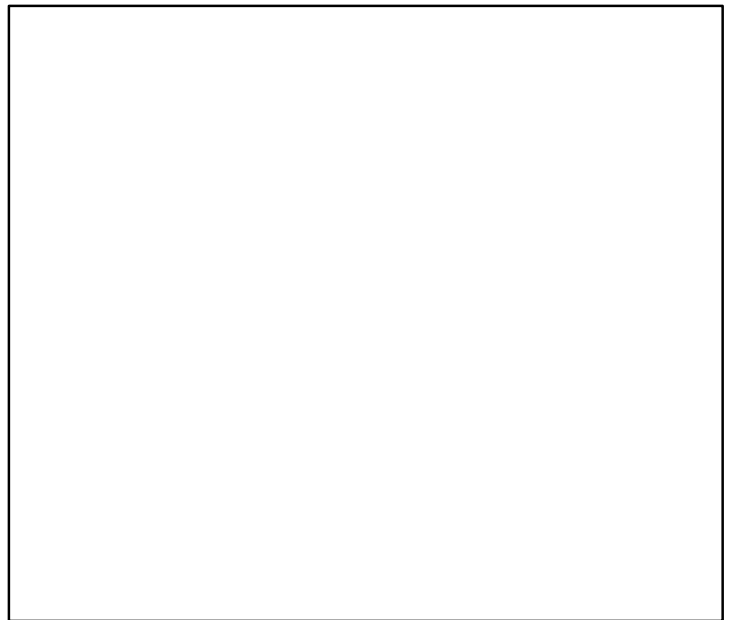
Kobe MGT*



Spawner Recruit (1998-2019-MEDIMP2021-2)



Production*



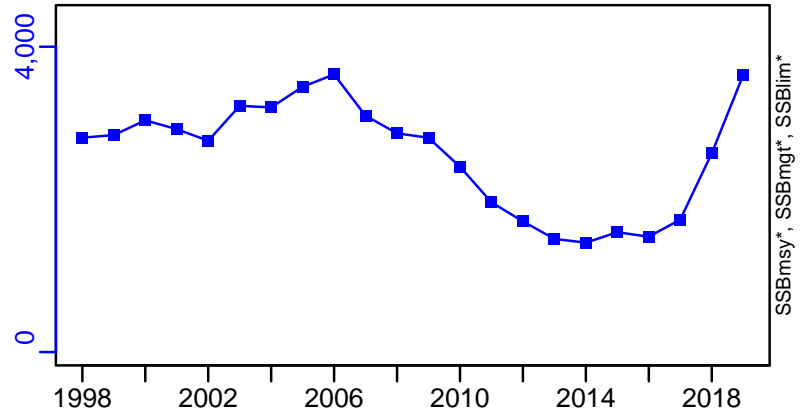
◆ Start Year ◆ End Year * No Data

Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

TB*



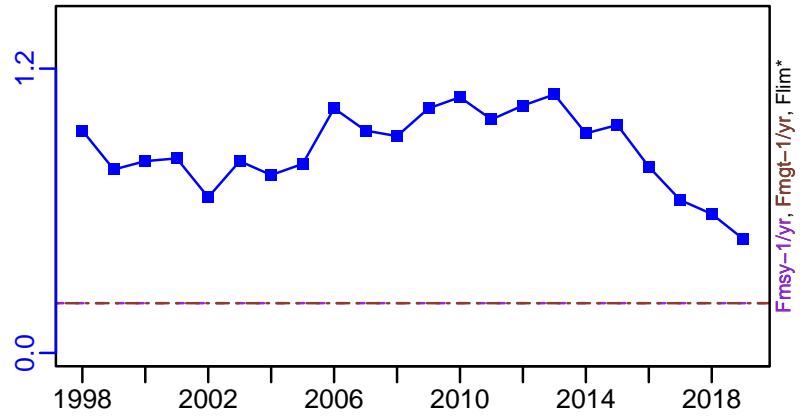
SSB-MT (1998-2019-MEDIMP2021-2)



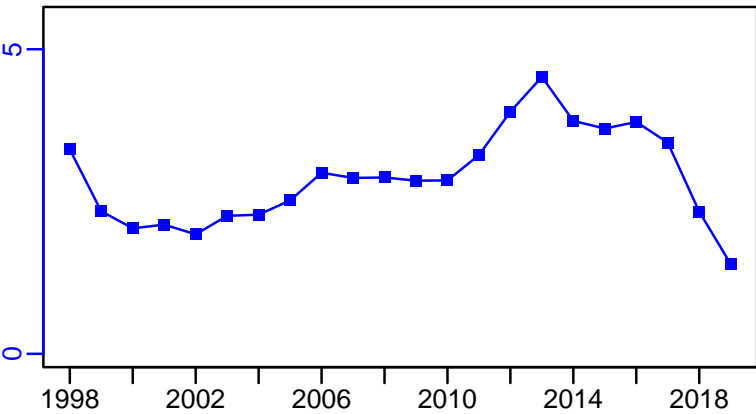
TN *



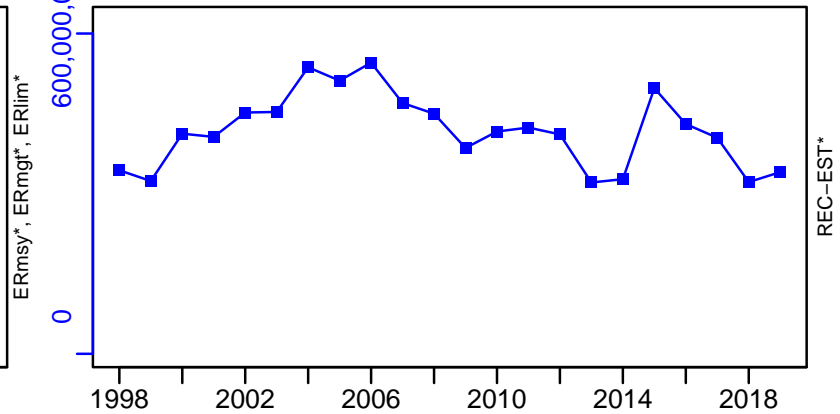
F-1/yr (1998-2019-MEDIMP2021-2)



ER-calc-ratio (1998-2019-MEDIMP2021-2)



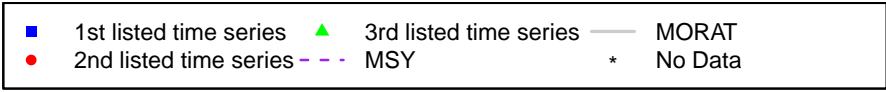
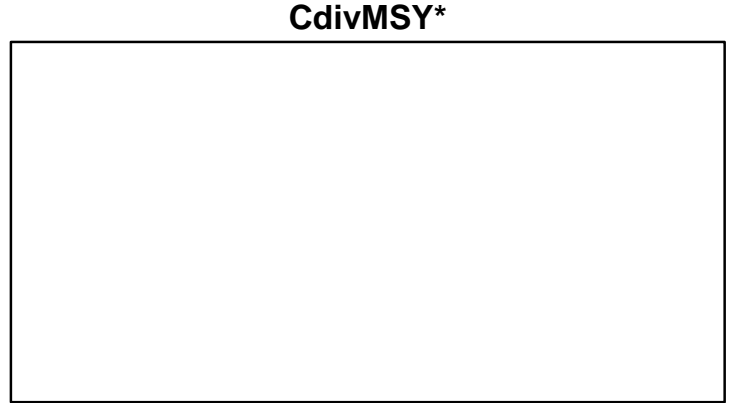
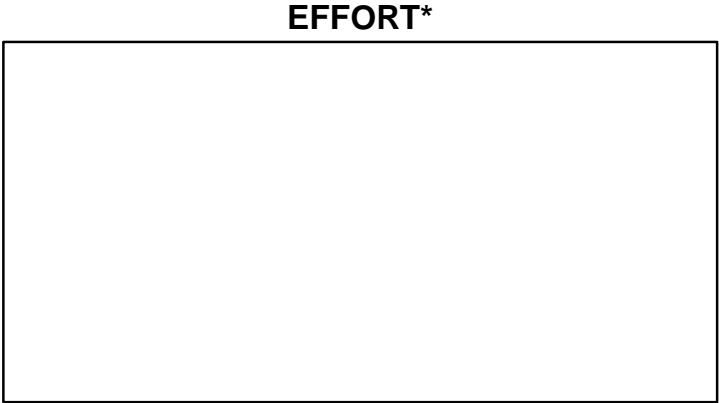
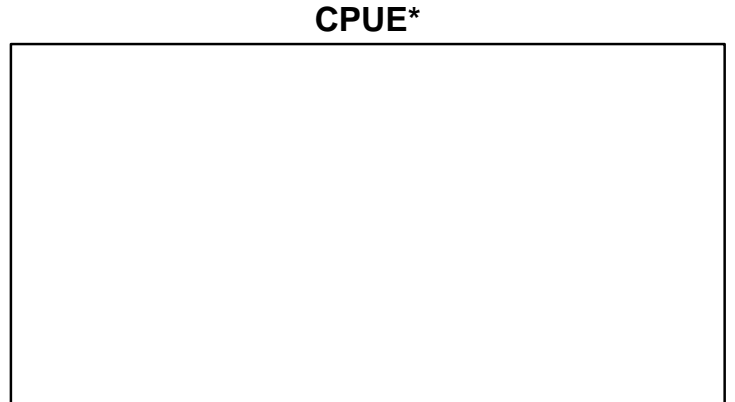
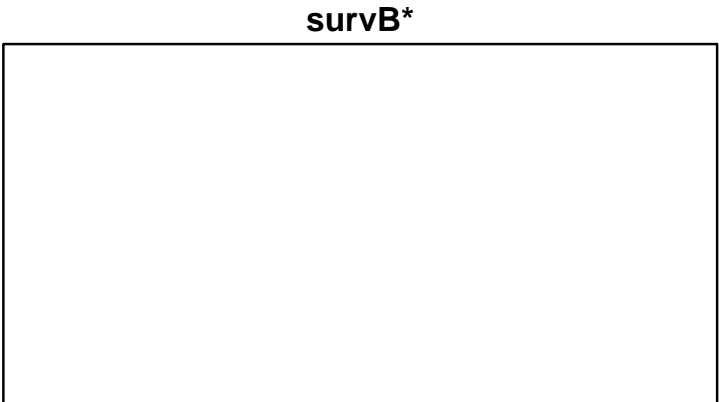
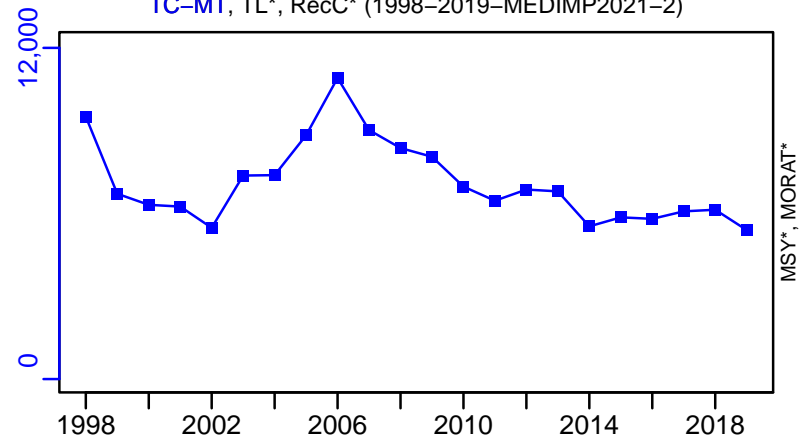
R-E00 (1998-2019-MEDIMP2021-2)



Hake Adriatic Sea (GSA 17,18) [HAKEMEDGSA17-18]

TC-MT, TL*, RecC* (1998-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Hake Western Ionian Sea [HAKEMEDGSA19]

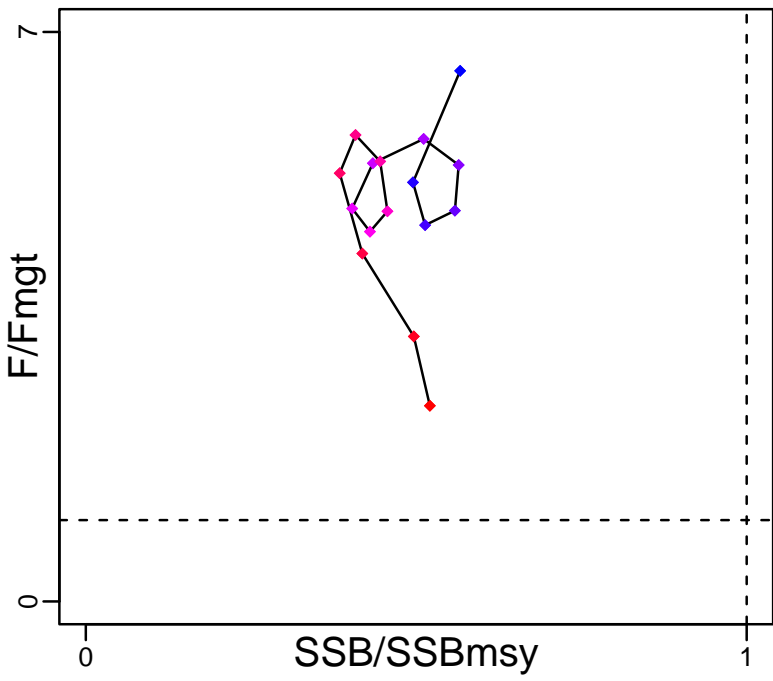
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA19-2004-2019-MEDIMP2021-2
Area	Western Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.135
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

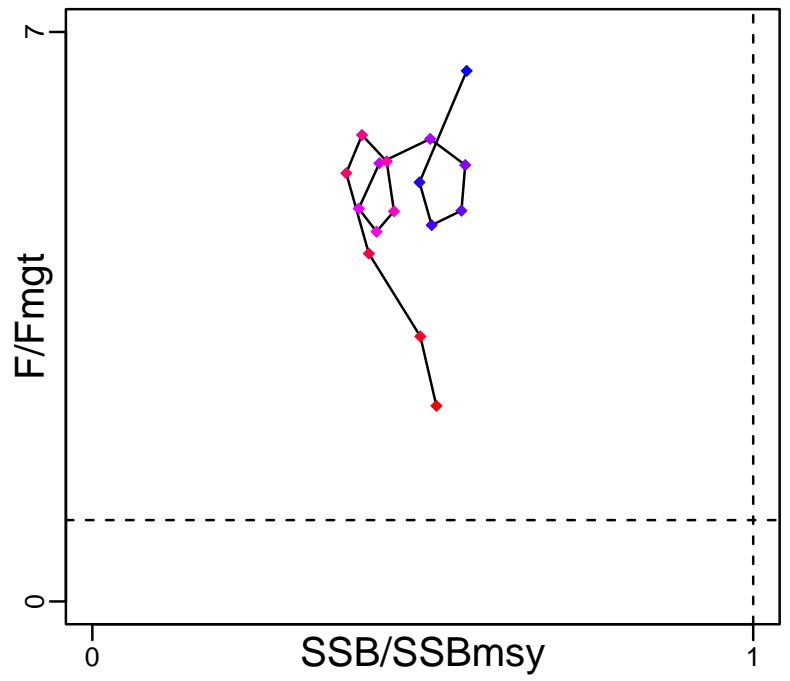
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	1193	-	-
TN	-	-	-	-	-
R	R-E00	2019	50,329,414	-	-
F	F-1/yr	2019	0.325	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	594		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.405		
ER/ERmgt	-	-	-		

Hake Western Ionian Sea [HAKEMEDGSA19]

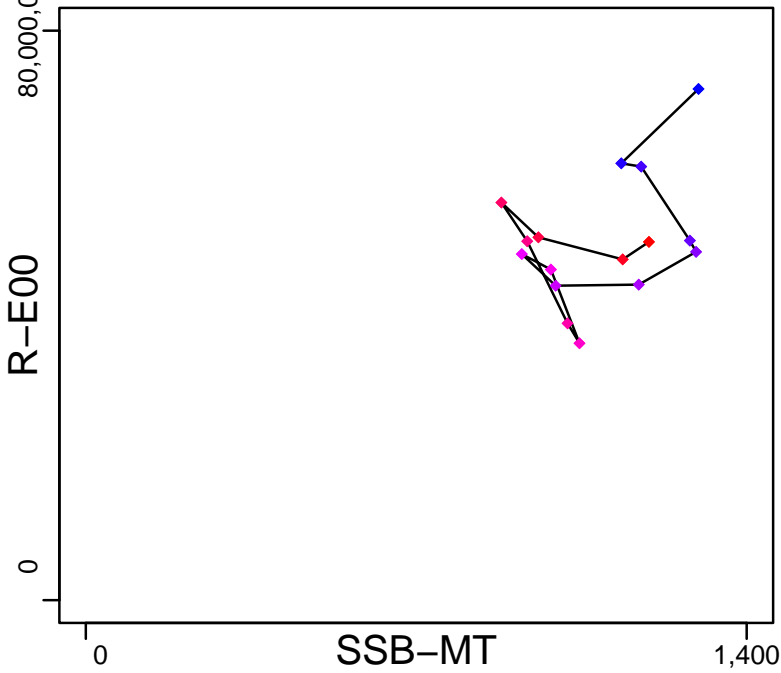
Kobe MSYpref (2004–2019–MEDIMP2021–2)



Kobe MGTpref (2004–2019–MEDIMP2021–2)



Spawner Recruit (2004–2019–MEDIMP2021–2)



Production*



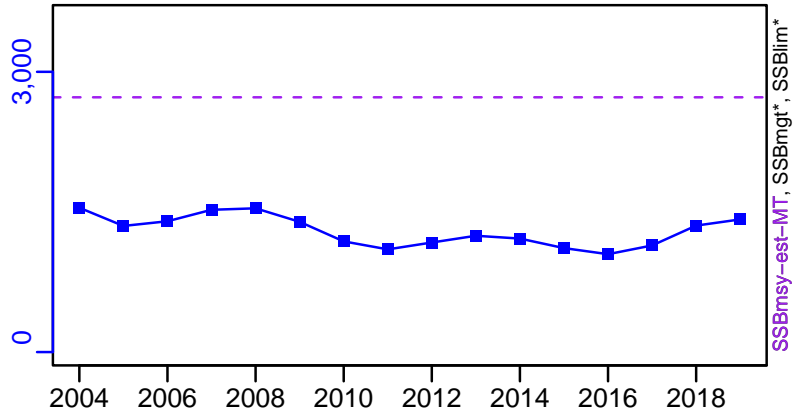
◆ Start Year ◆ End Year * No Data

Hake Western Ionian Sea [HAKEMEDGSA19]

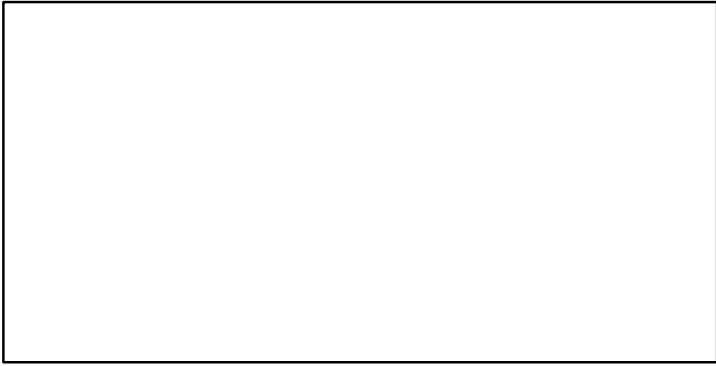
TB*



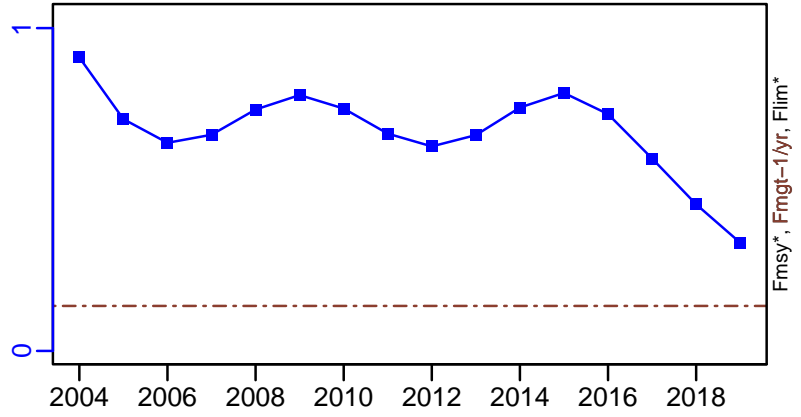
SSB-MT (2004-2019-MEDIMP2021-2)



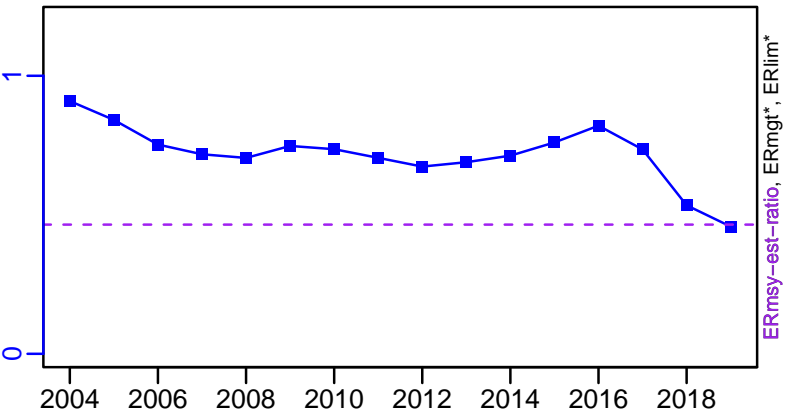
TN *



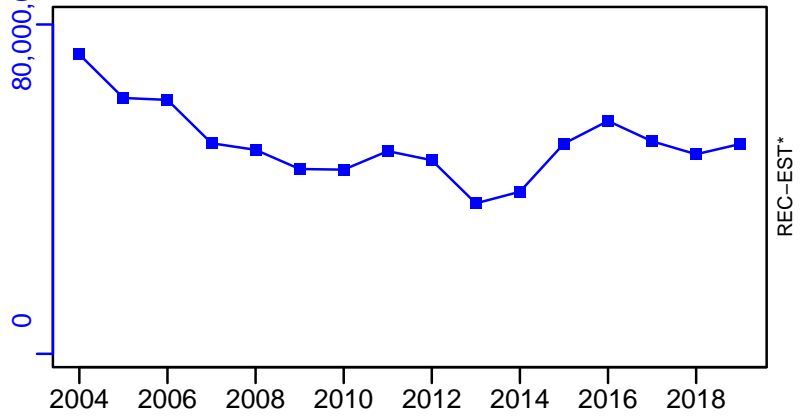
F-1/yr (2004-2019-MEDIMP2021-2)



ER-calc-ratio (2004-2019-MEDIMP2021-2)



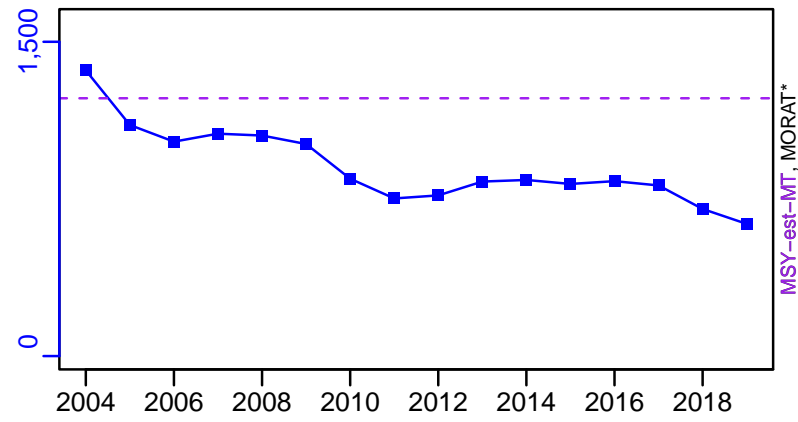
R-E00 (2004-2019-MEDIMP2021-2)



Hake Western Ionian Sea [HAKEMEDGSA19]

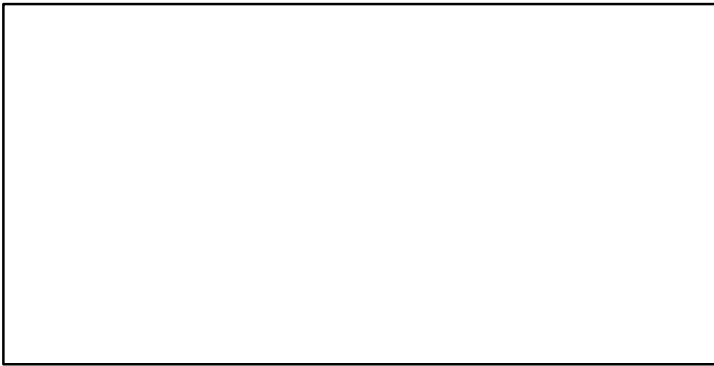
TC-MT, TL*, RecC* (2004-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



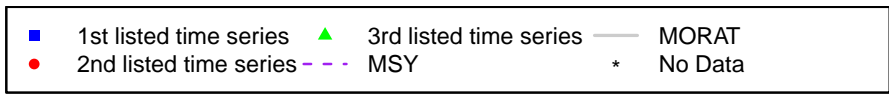
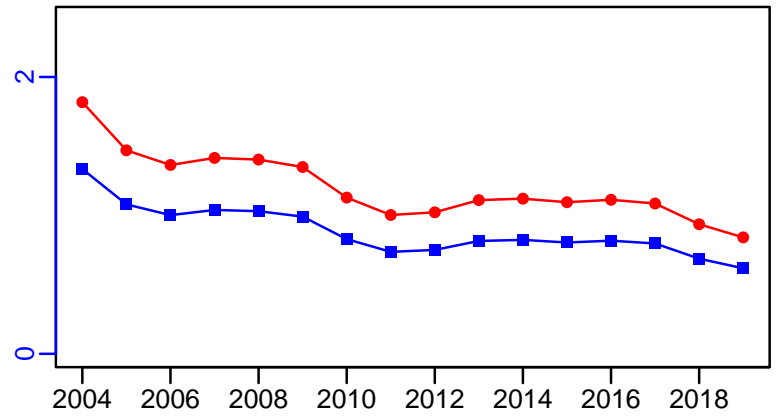
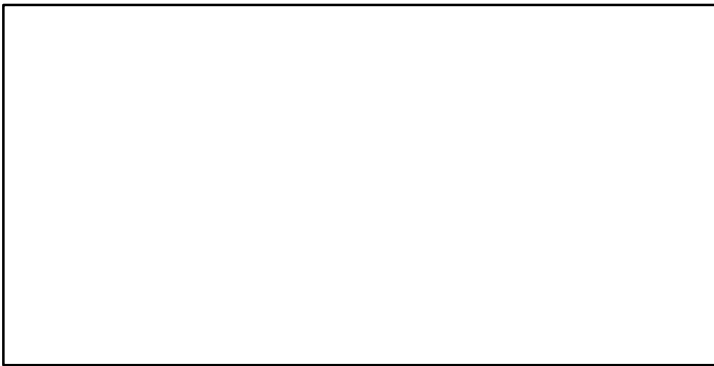
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2004-2019-MEDIMP2021-2)



Hake Eastern Ionian Sea [HAKEMEDGSA20]

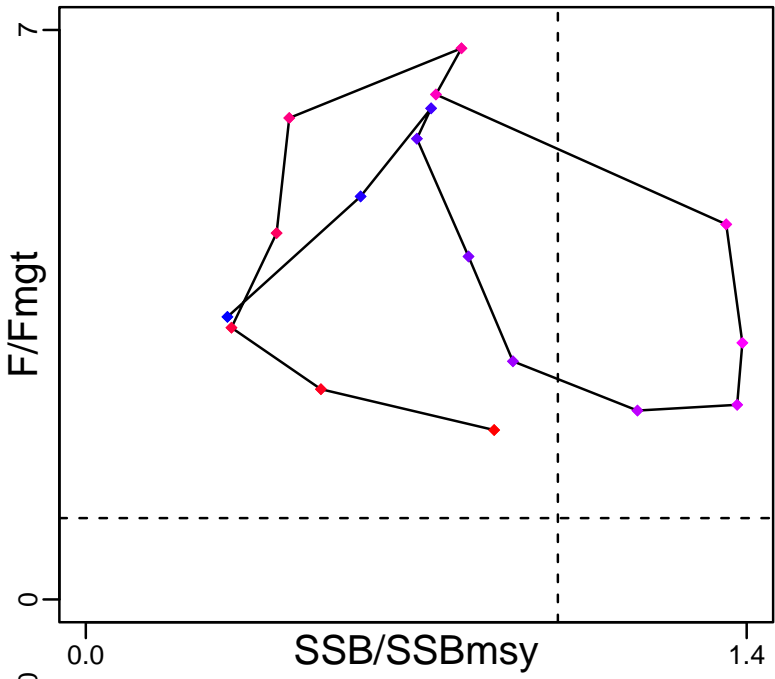
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA20-2003-2019-MEDIMP2021-2
Area	Eastern Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.358
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

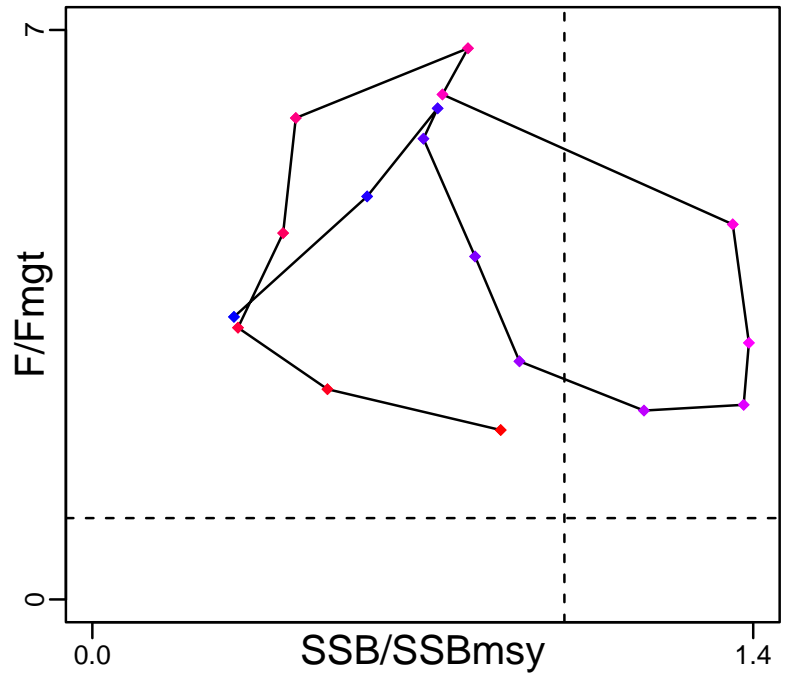
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	1237	-	-
TN	-	-	-	-	-
R	R-E00	2019	98,572,383	-	-
F	F-1/yr	2019	0.745	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	872		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.082		
ER/ERmgt	-	-	-		

Hake Eastern Ionian Sea [HAKEMEDGSA20]

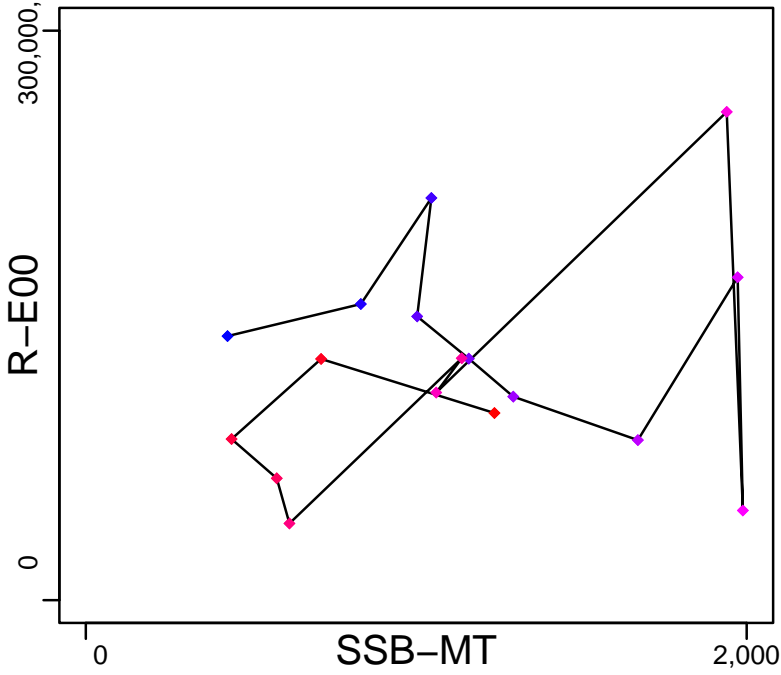
Kobe MSYpref (2003–2019–MEDIMP2021–2)



Kobe MGTpref (2003–2019–MEDIMP2021–2)



Spawner Recruit (2003–2019–MEDIMP2021–2)



Production*



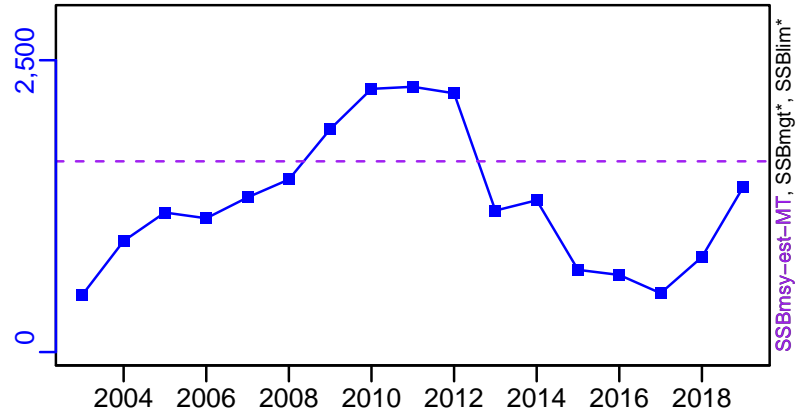
◆ Start Year ◆ End Year * No Data

Hake Eastern Ionian Sea [HAKEMEDGSA20]

TB*



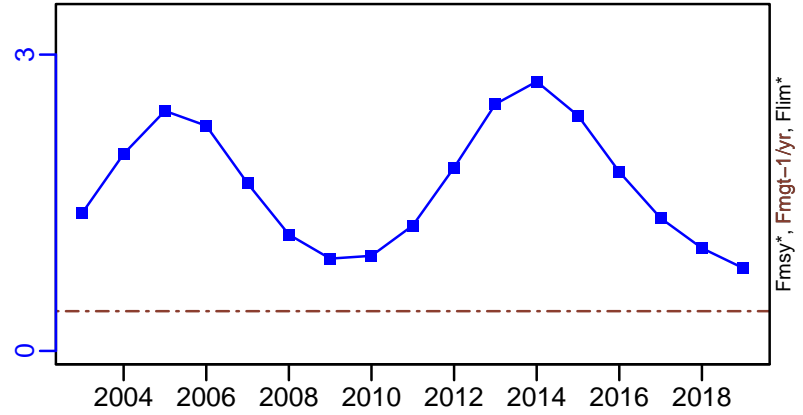
SSB-MT (2003-2019-MEDIMP2021-2)



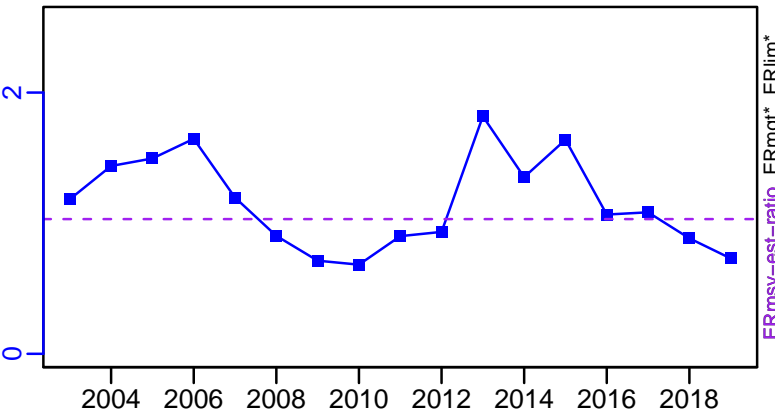
TN *



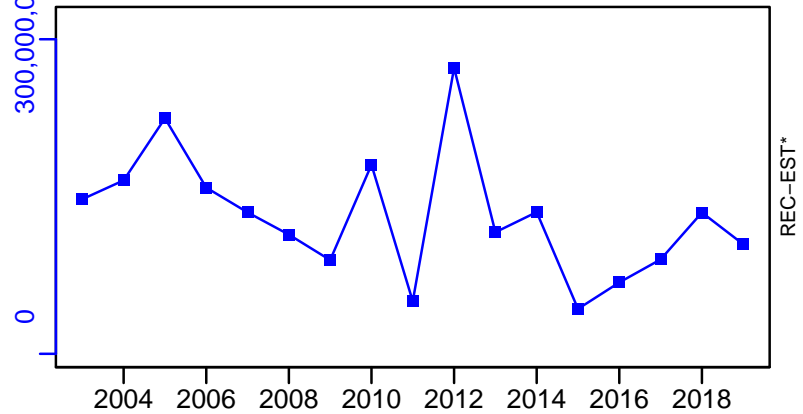
F-1/yr (2003-2019-MEDIMP2021-2)



ER-calc-ratio (2003-2019-MEDIMP2021-2)



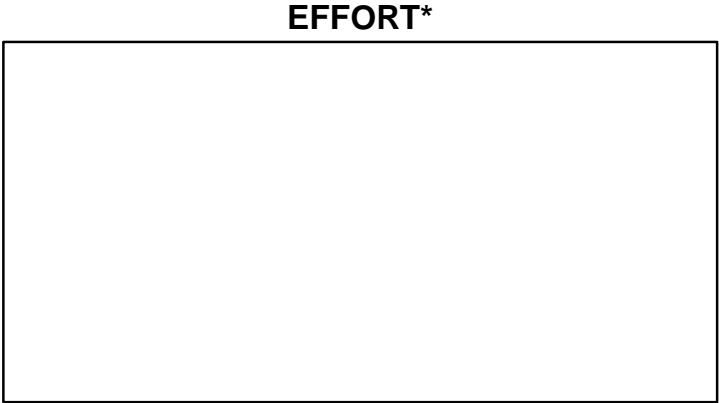
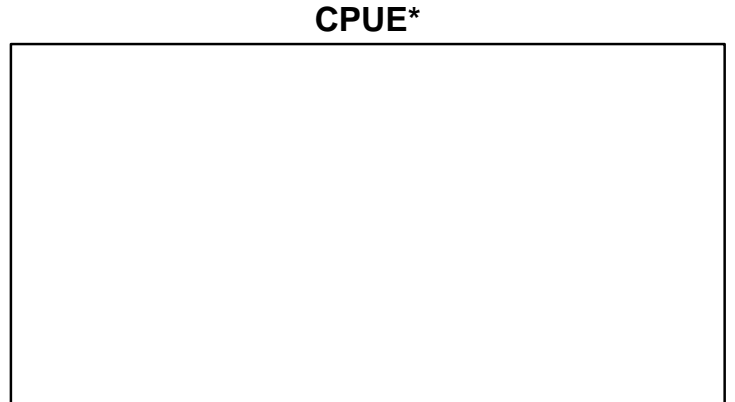
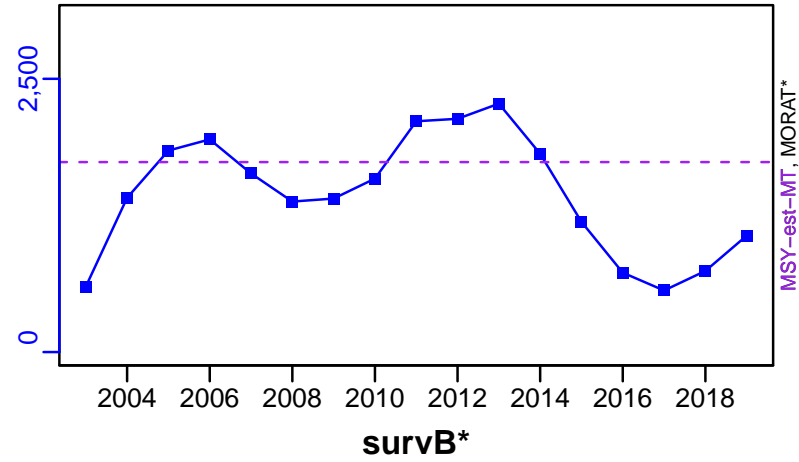
R-E00 (2003-2019-MEDIMP2021-2)



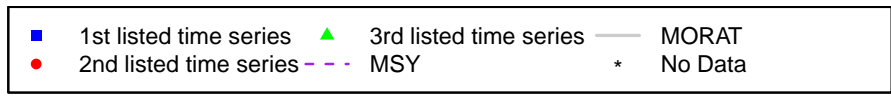
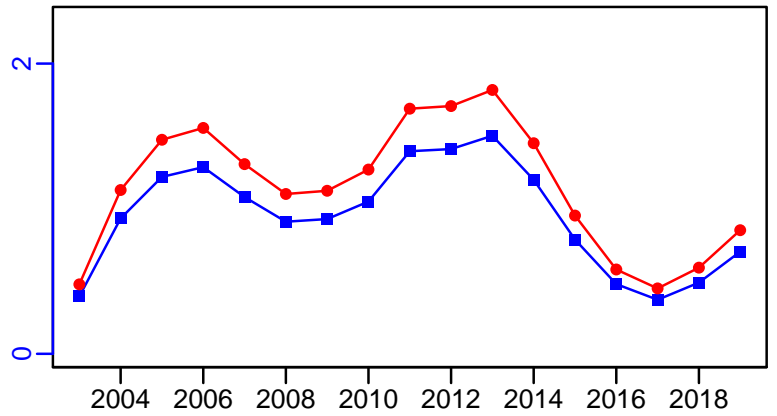
Hake Eastern Ionian Sea [HAKEMEDGSA20]

TC-MT, TL*, RecC* (2003-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2003-2019-MEDIMP2021-2)



Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA22-23-2003-2008-OSIO
Area	Aegean Sea and Crete Island (GSA 22,23)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2008	0.24
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	5650	-	2+
TN	-	-	-	-	-
R	R-E00	2008	3.75×10^8	-	-
F	F-1/yr	2008	0.83	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	7160		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	3.458		
ER/ERmgt	-	-	-		

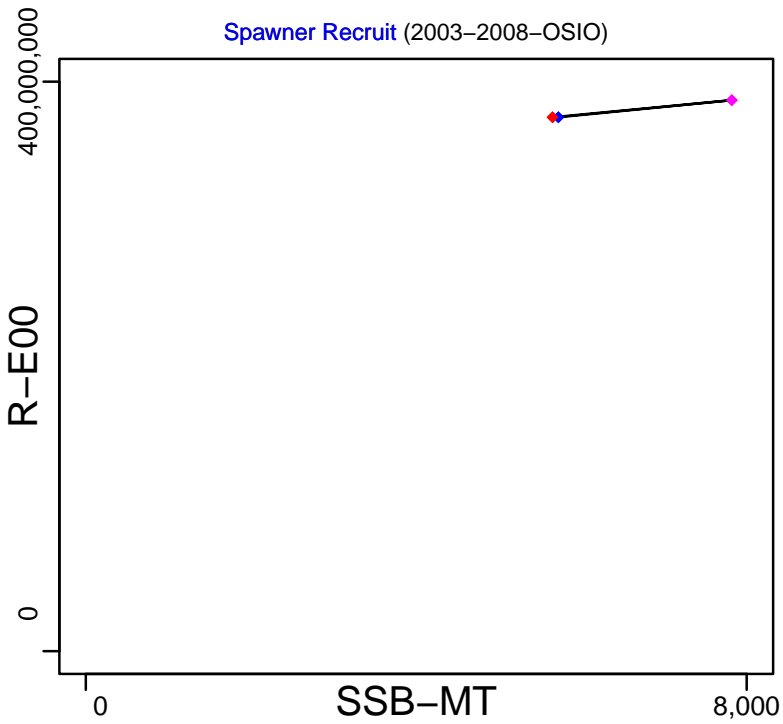
Kobe MSY*



Kobe MGT*



Spawner Recruit (2003-2008-OSIO)



Production*



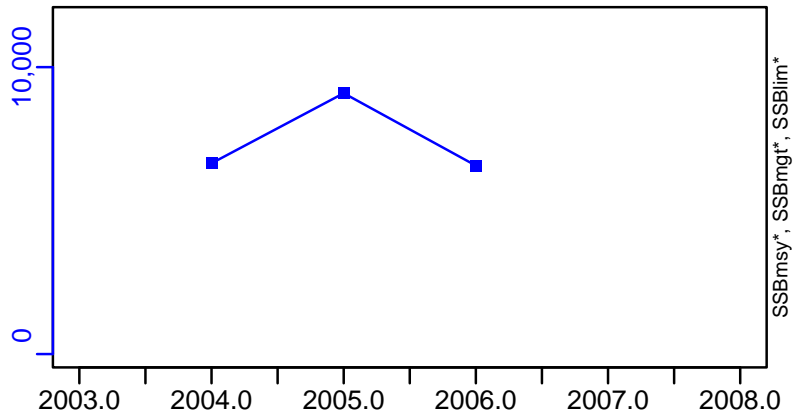
◆ Start Year ◆ End Year * No Data

Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]

TB*



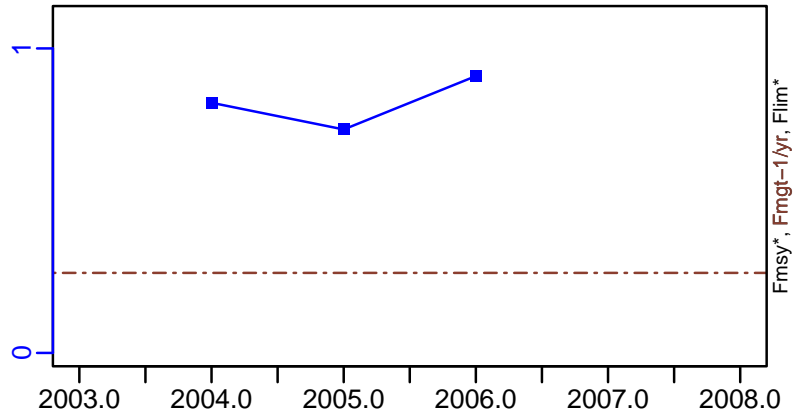
SSB-MT (2003-2008-OSIO)



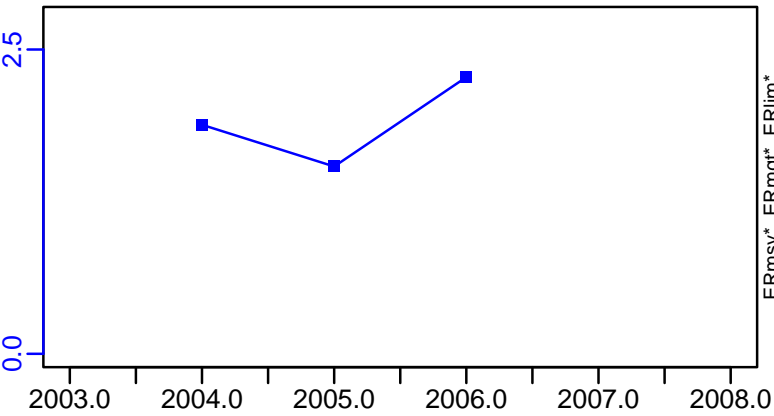
TN *



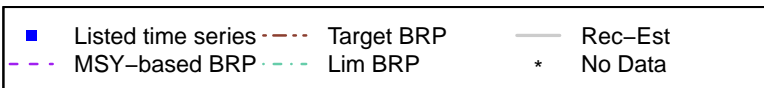
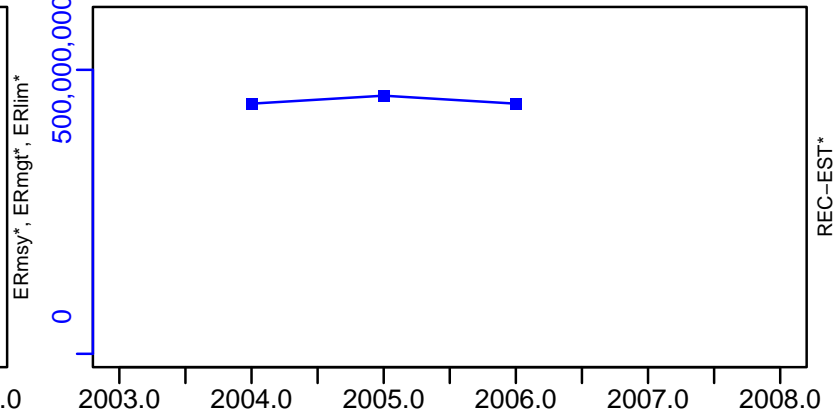
F-1/yr (2003-2008-OSIO)



ER-calc-ratio (2003-2008-OSIO)



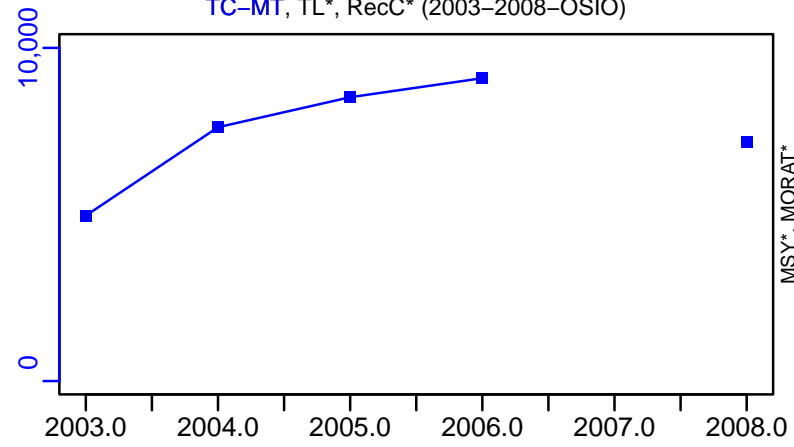
R-E00 (2003-2008-OSIO)



Hake Aegean Sea and Crete Island (GSA 22,23) [HAKEMEDGSA22-23]

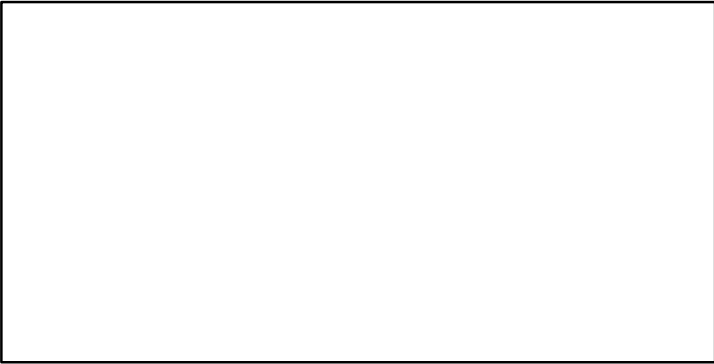
TC-MT, TL*, RecC* (2003-2008-OSIO)

TAC*, Cpair*, Cadv*



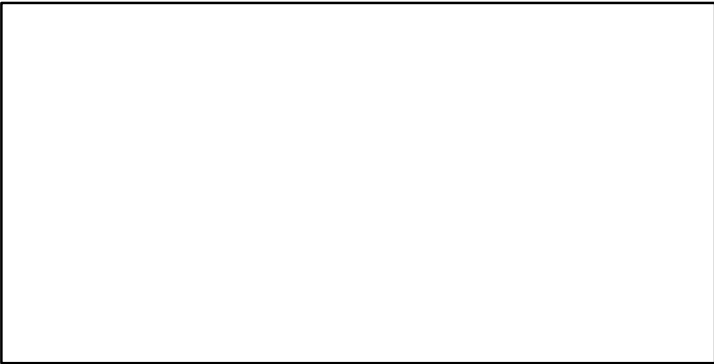
survB*

CPUE*



EFFORT*

CdivMSY*



Hake Gulf of Lions [HAKEMEDGSA7]

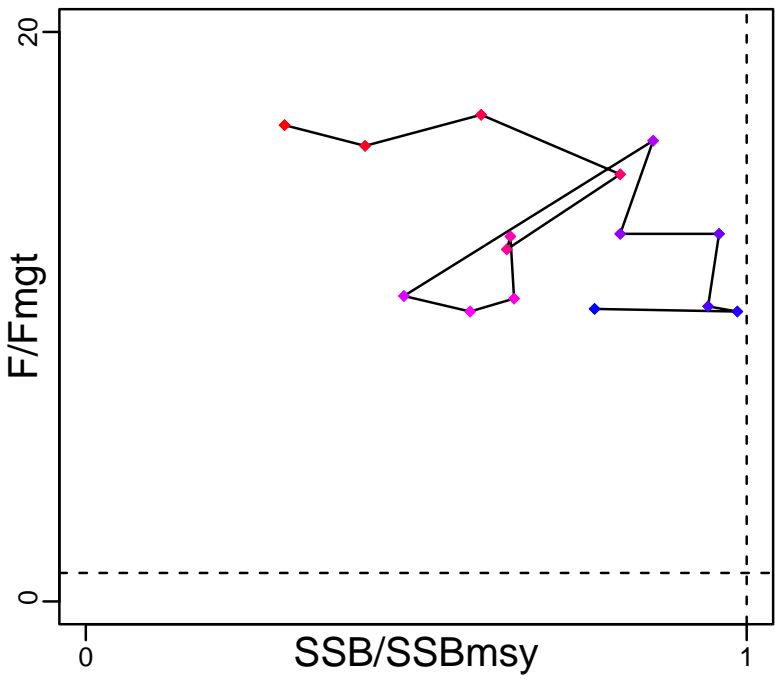
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA7-1998-2012-OSIO
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

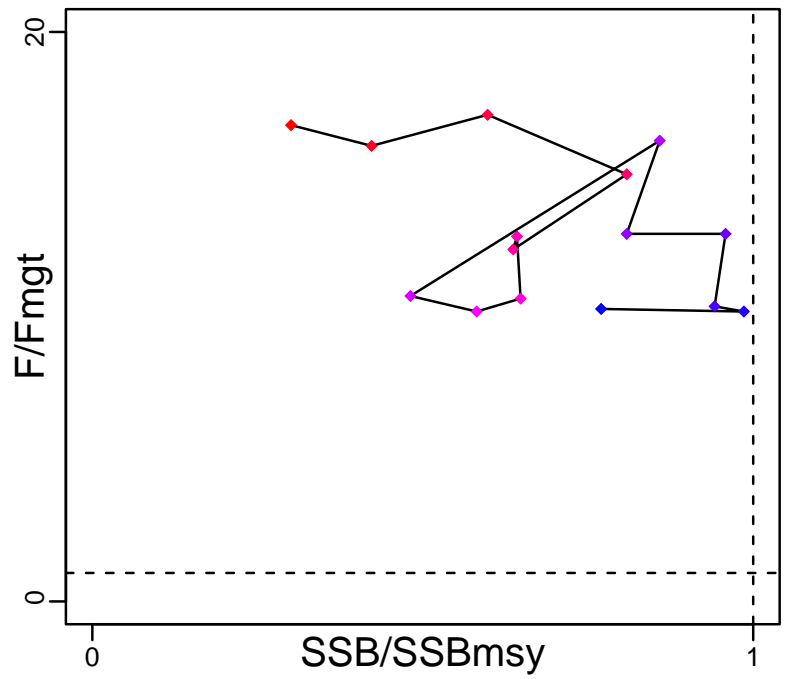
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	543	-	-
TN	-	-	-	-	-
R	R-E00	2012	19,700,000	-	-
F	F-1/yr	2012	1.84	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2012	1110	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	16.727	-	-
ER/ERmgt	-	-	-	-	-

Hake Gulf of Lions [HAKEMEDGSA7]

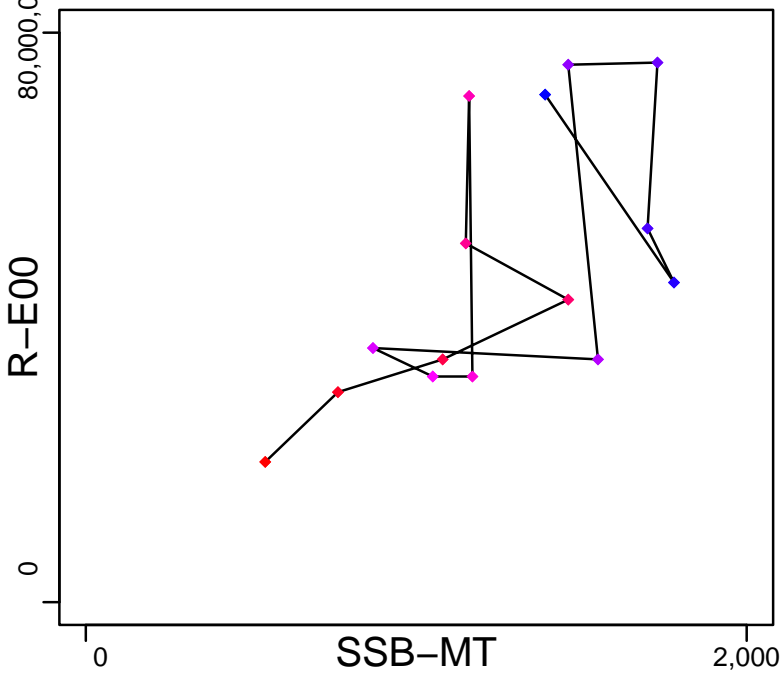
Kobe MSYpref (1998–2012–OSIO)



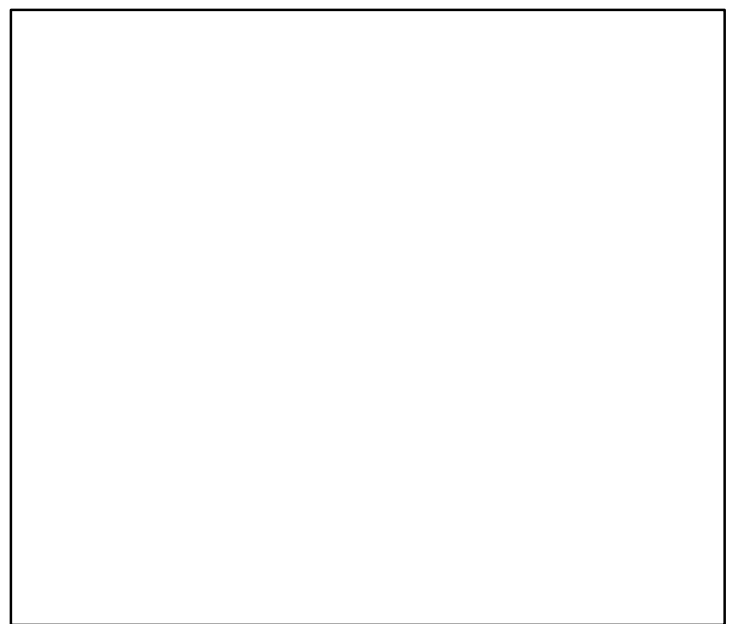
Kobe MGTpref (1998–2012–OSIO)



Spawner Recruit (1998–2012–OSIO)



Production*



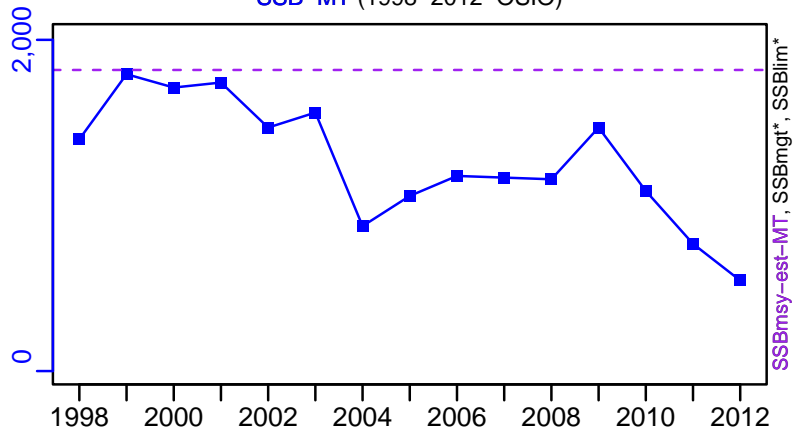
◆ Start Year ◆ End Year * No Data

Hake Gulf of Lions [HAKEMEDGSA7]

TB*



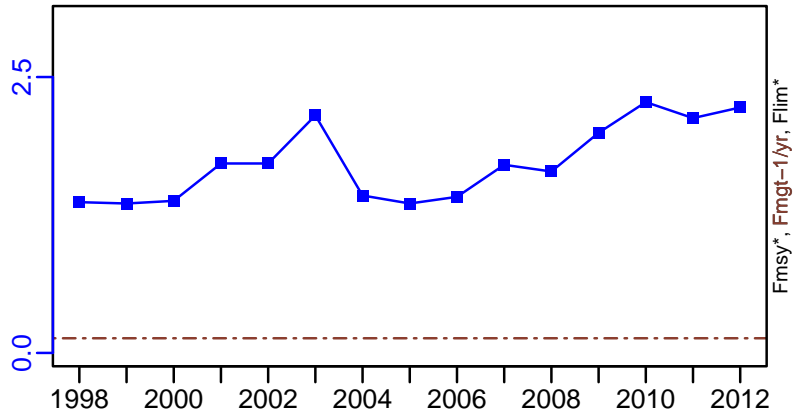
SSB-MT (1998-2012-OSIO)



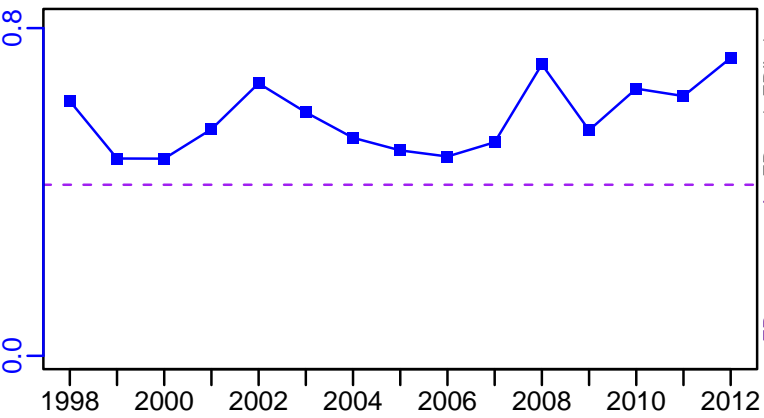
TN *



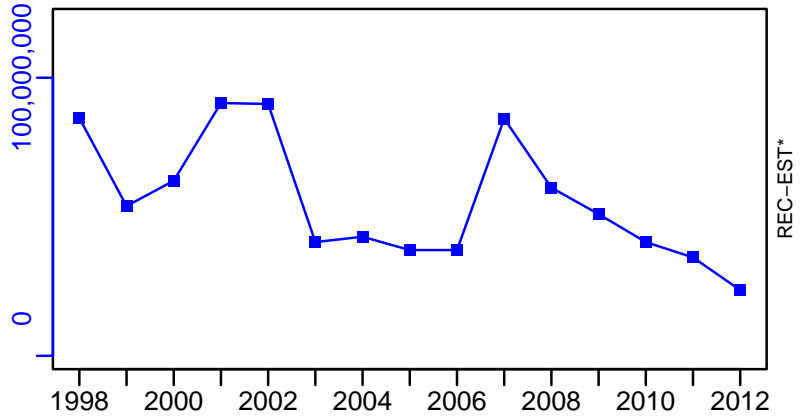
F-1/yr (1998-2012-OSIO)



ER-calc-ratio (1998-2012-OSIO)



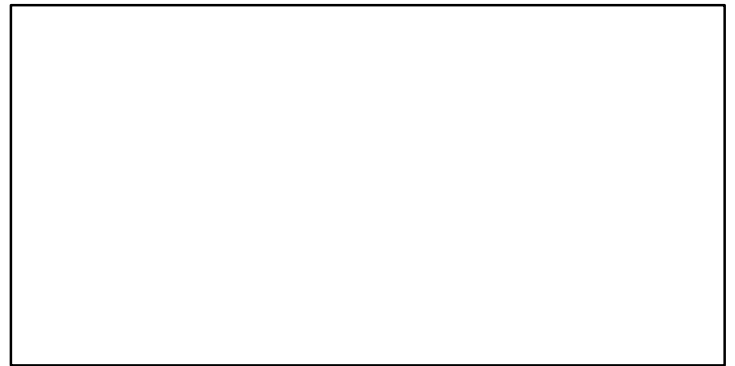
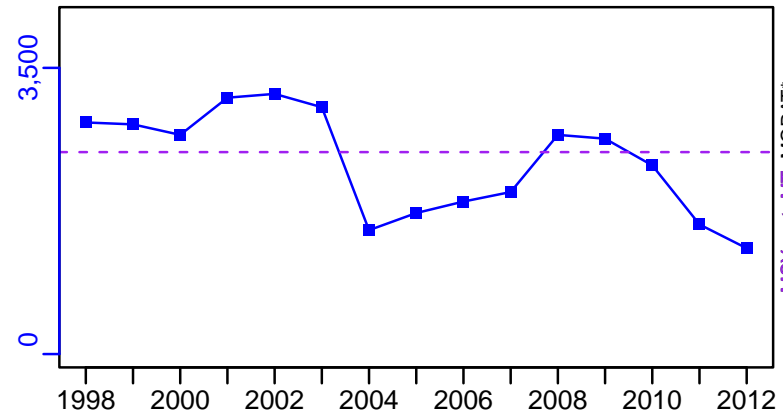
R-E00 (1998-2012-OSIO)



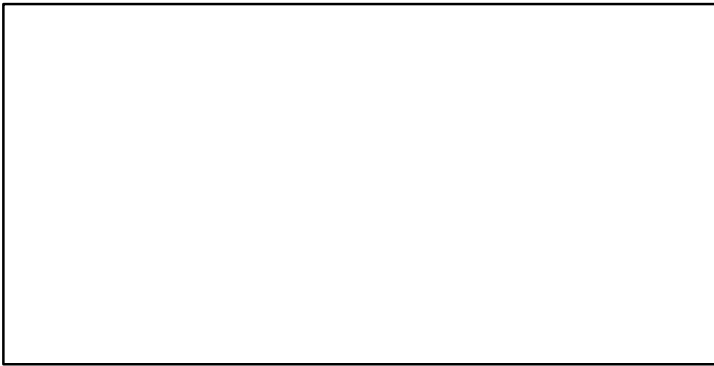
Hake Gulf of Lions [HAKEMEDGSA7]

TL-MT, TC*, RecC* (1998-2012-OSIO)

TAC*, Cpair*, Cadv*



survB*



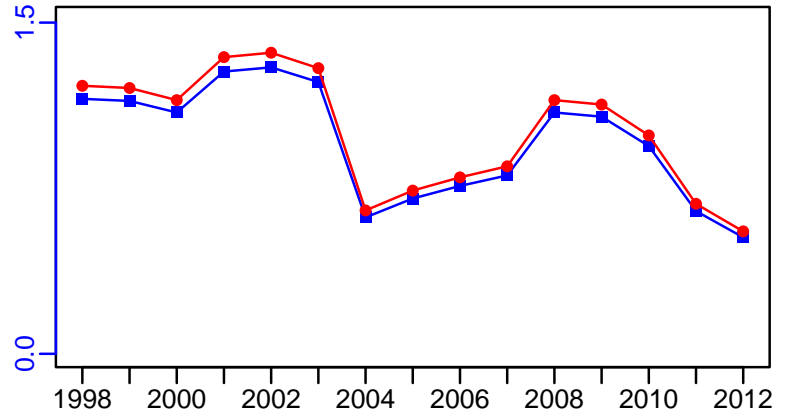
CPUE*



EFFORT*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1998-2012-OSIO)



Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA8-11-2005-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 8-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.167
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	4509	-	-
TN	-	-	-	-	-
R	R-E00	2019	298,907,974	-	-
F	F-1/yr	2019	0.567	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	2075		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	3.391		
ER/ERmgt	-	-	-		

Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

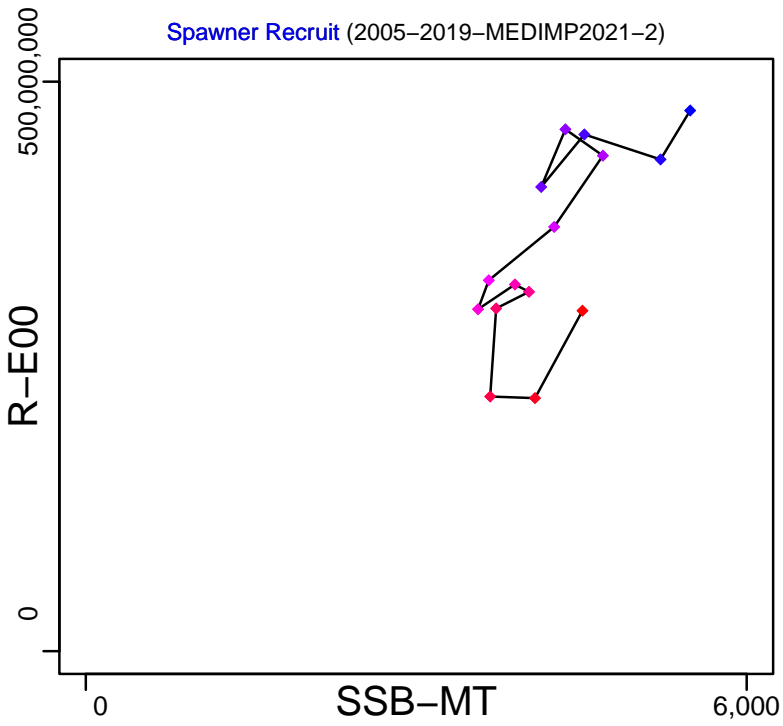
Kobe MSY*



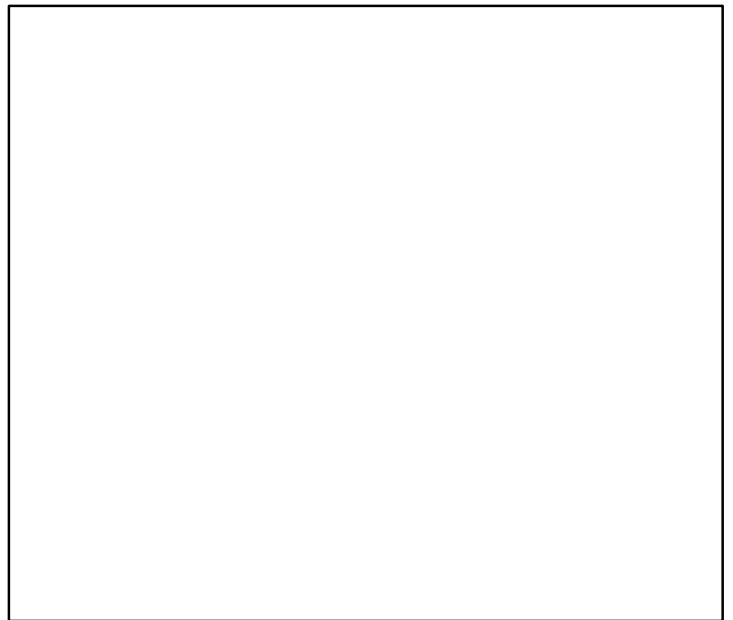
Kobe MGT*



Spawner Recruit (2005-2019-MEDIMP2021-2)



Production*



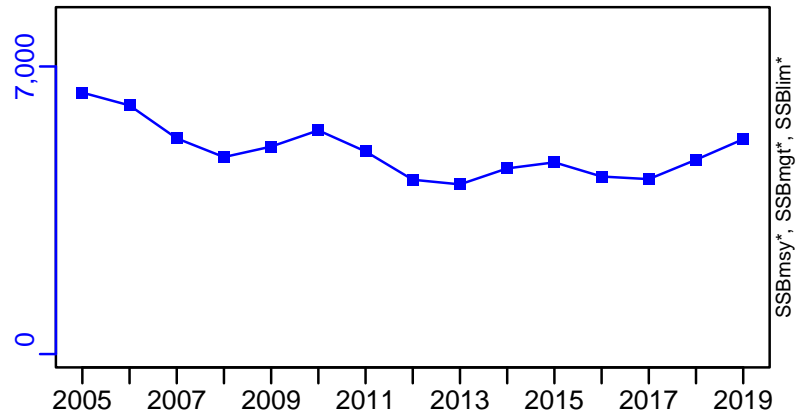
◆ Start Year ◆ End Year * No Data

Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

TB*



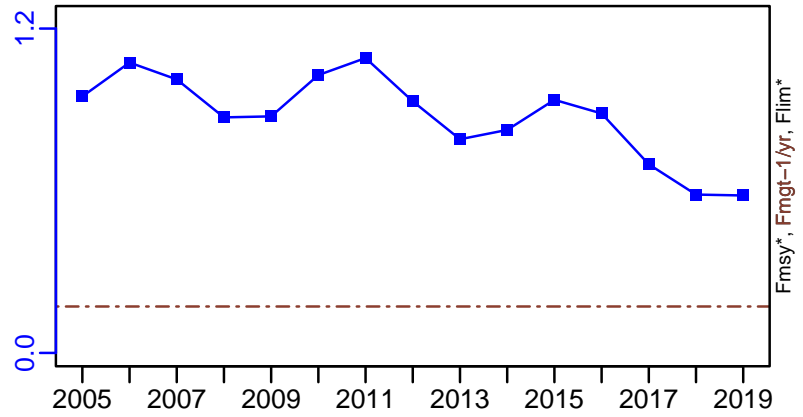
SSB-MT (2005-2019-MEDIMP2021-2)



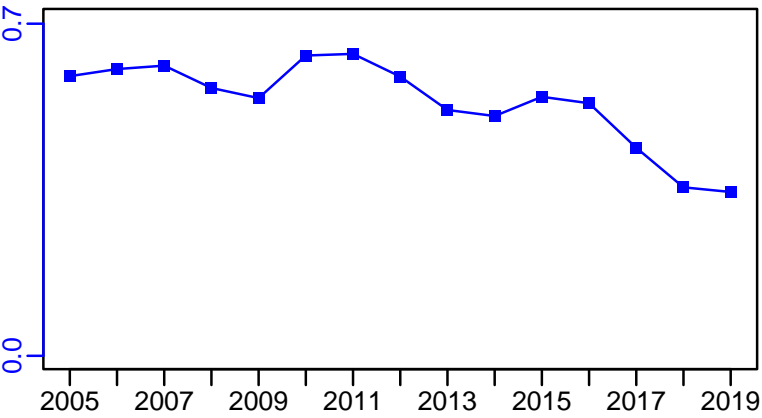
TN *



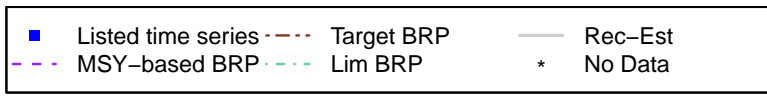
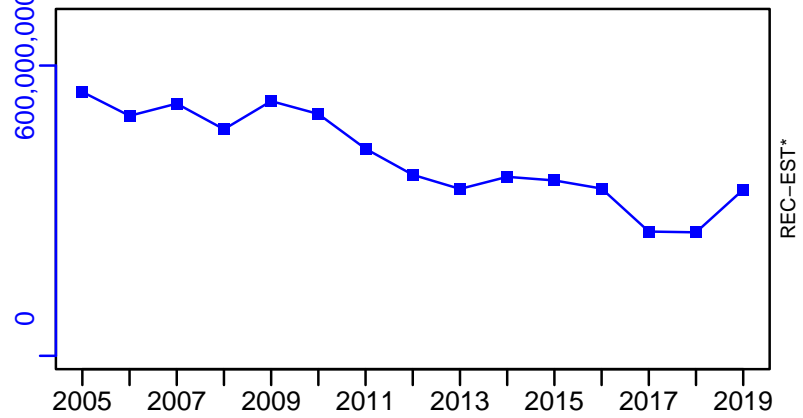
F-1/yr (2005-2019-MEDIMP2021-2)



ER-calc-ratio (2005-2019-MEDIMP2021-2)



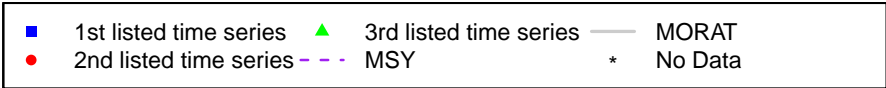
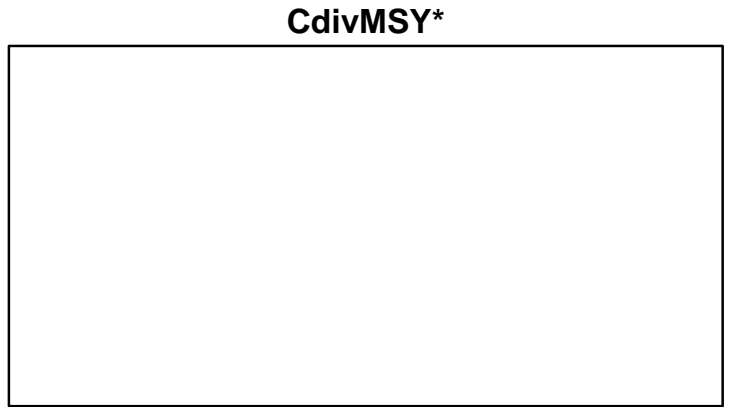
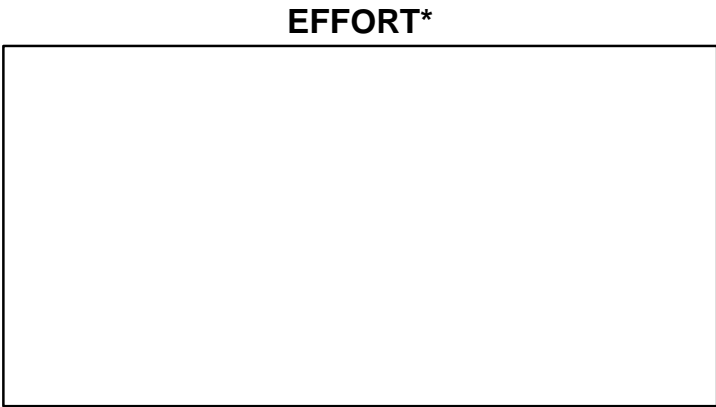
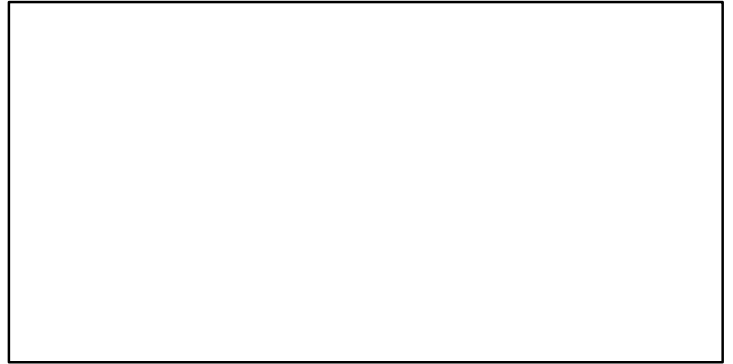
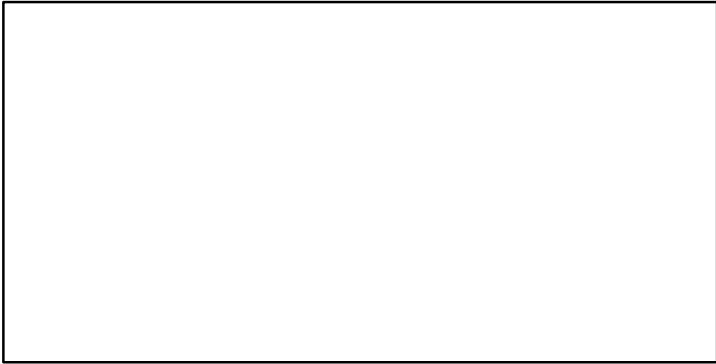
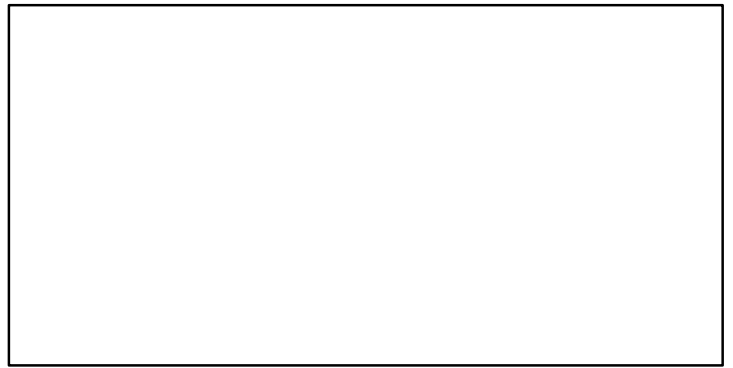
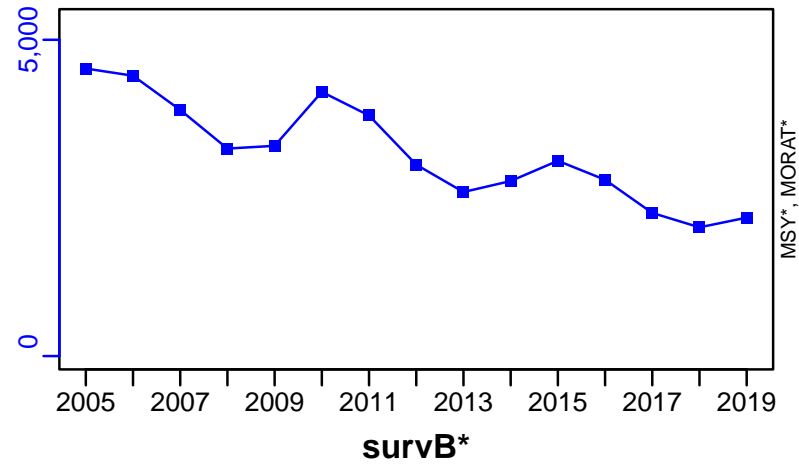
R-E00 (2005-2019-MEDIMP2021-2)



Hake Geographical Sub-Areas 8-11 [HAKEMEDGSA8-11]

TC-MT, TL*, RecC* (2005-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

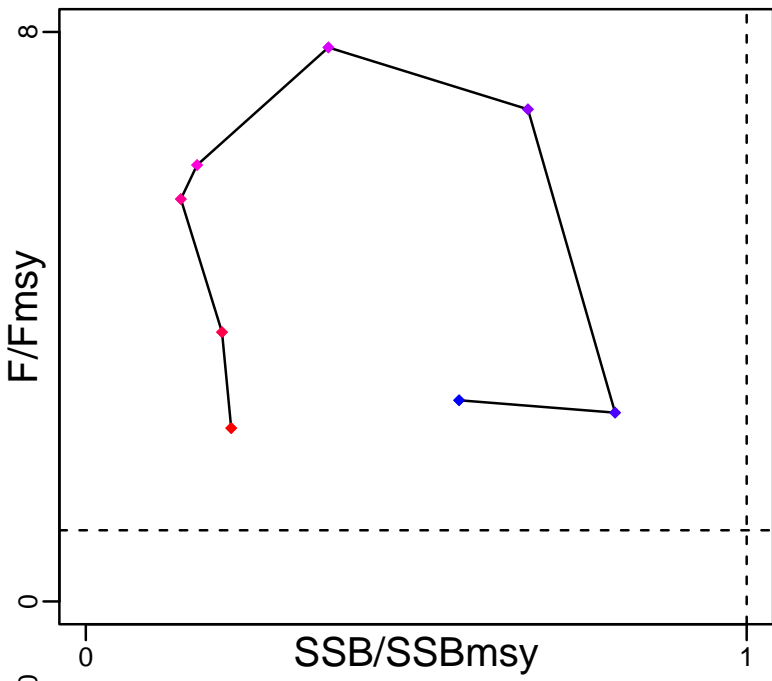
Metadata	
Scientific Name	Trachurus trachurus
Current Assess ID	STECF-HMACKMEDGSA9-11-2009-2016-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.23
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

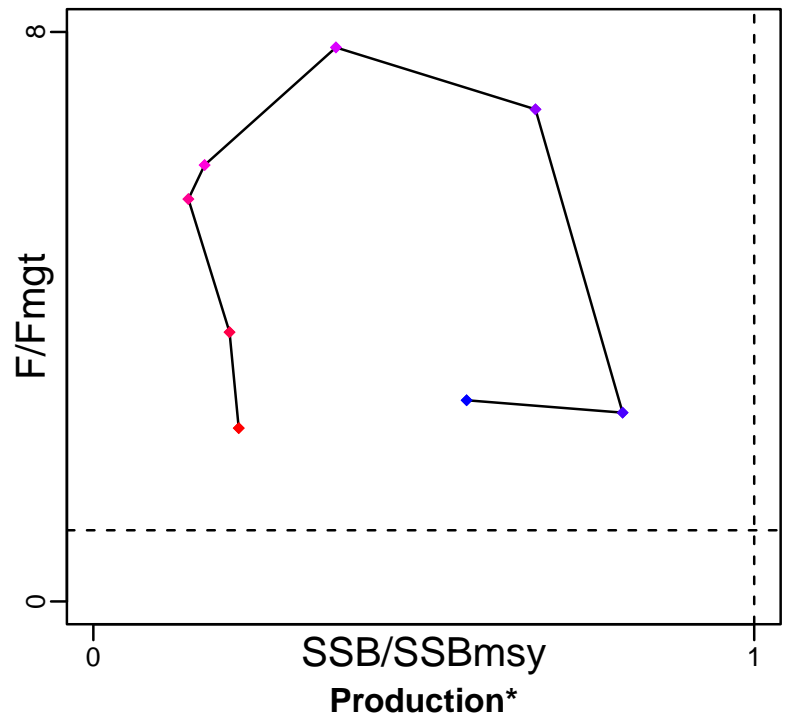
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	970	-	-
TN	-	-	-	-	-
R	R-E00	2016	430,635,000	-	-
F	F-1/yr	2016	0.56	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	3769		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.435		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.435		
ER/ERmgt	-	-	-		

Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

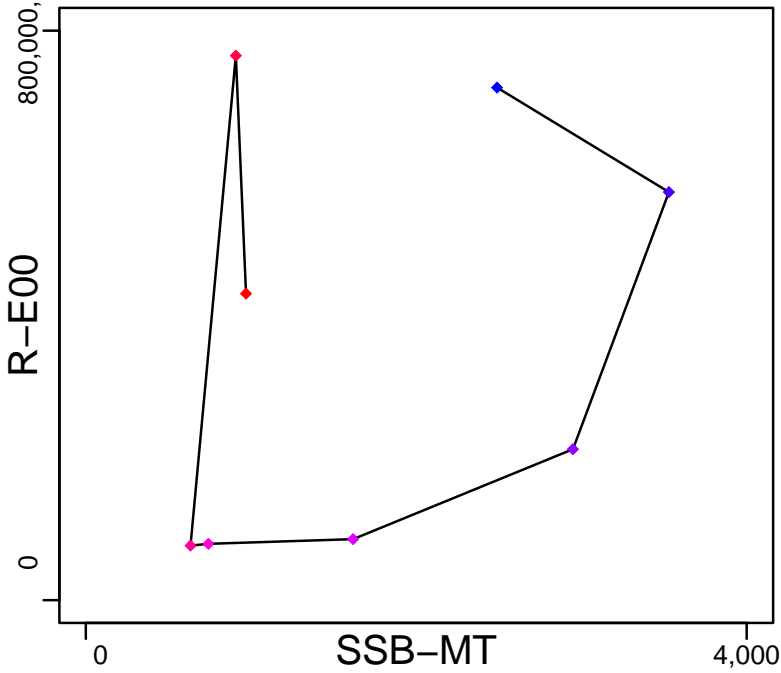
Kobe MSYpref (2009-2016-MEDIMP2021-2)



Kobe MGTpref (2009-2016-MEDIMP2021-2)



Spawner Recruit (2009-2016-MEDIMP2021-2)



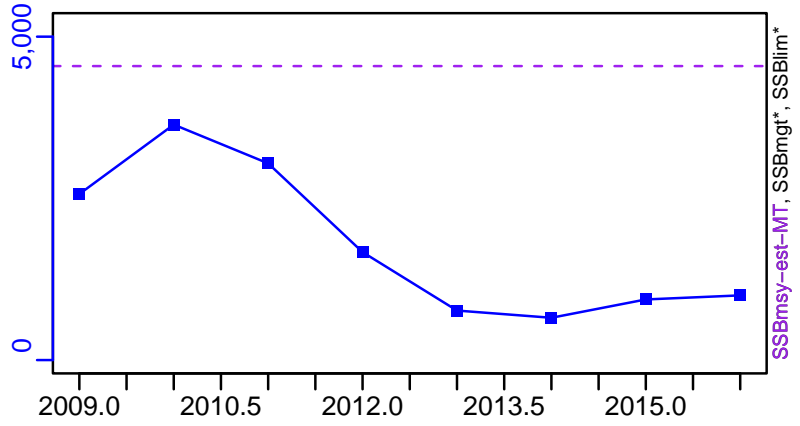
◆ Start Year ◆ End Year * No Data

Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

TB*



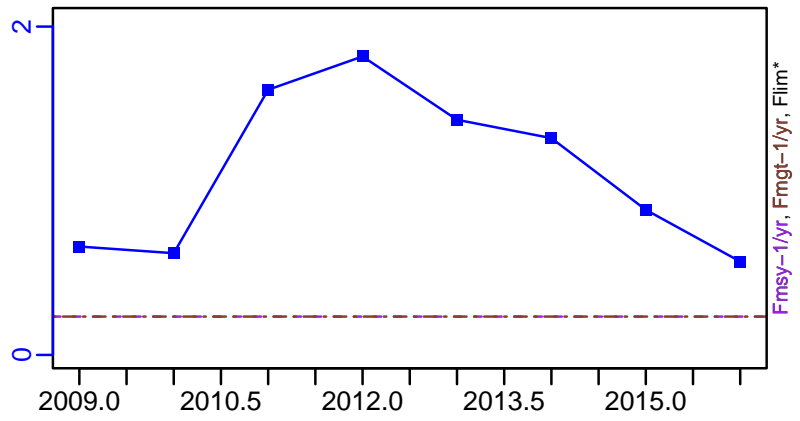
SSB-MT (2009-2016-MEDIMP2021-2)



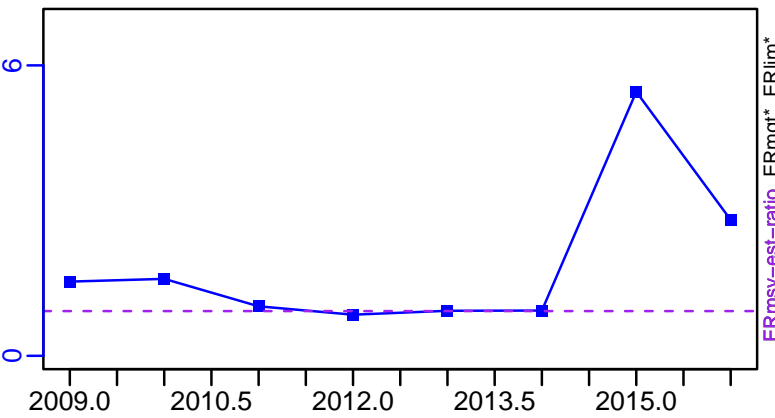
TN *



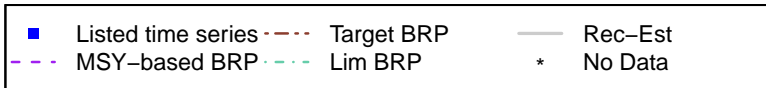
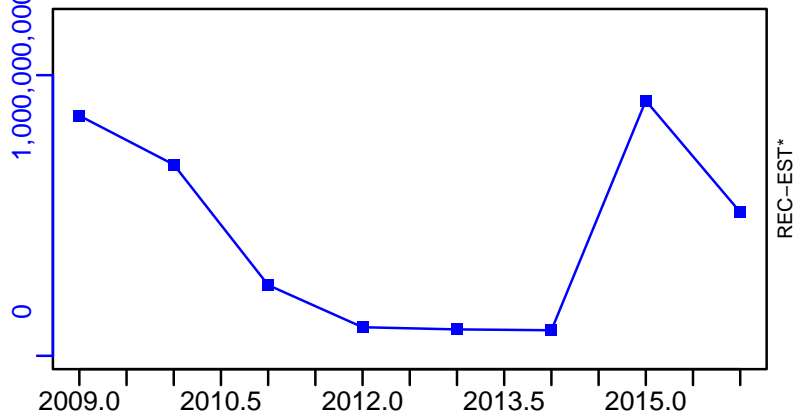
F-1/yr (2009-2016-MEDIMP2021-2)



ER-calc-ratio (2009-2016-MEDIMP2021-2)



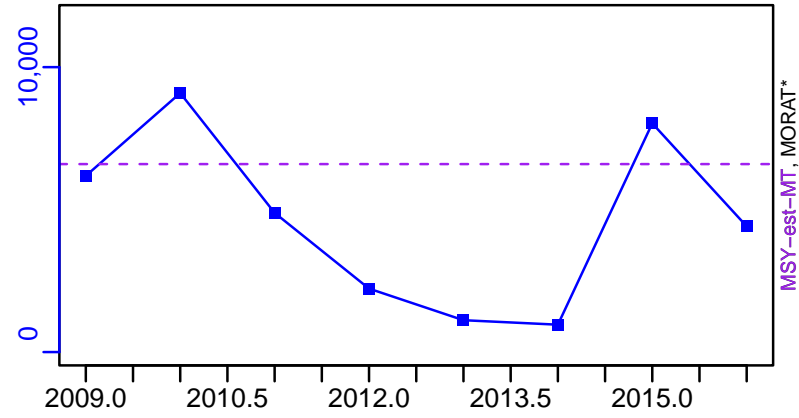
R-E00 (2009-2016-MEDIMP2021-2)



Horse mackerel Geographical Sub-Areas 9-11 [HMACKMEDGSA9-11]

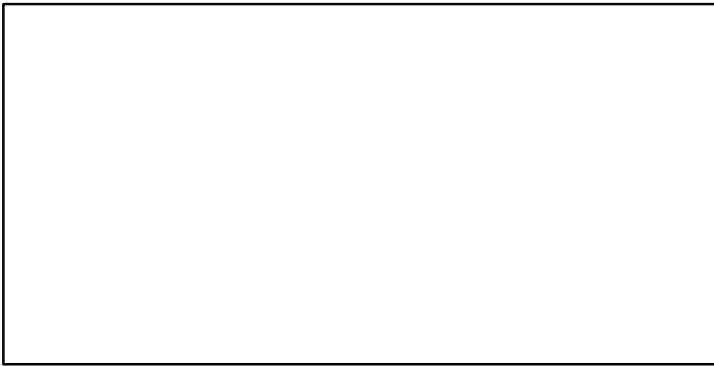
TC-MT, TL*, RecC* (2009-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



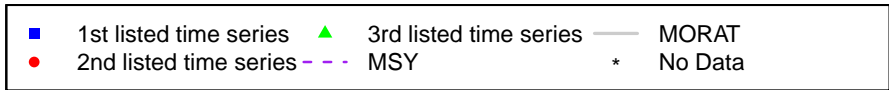
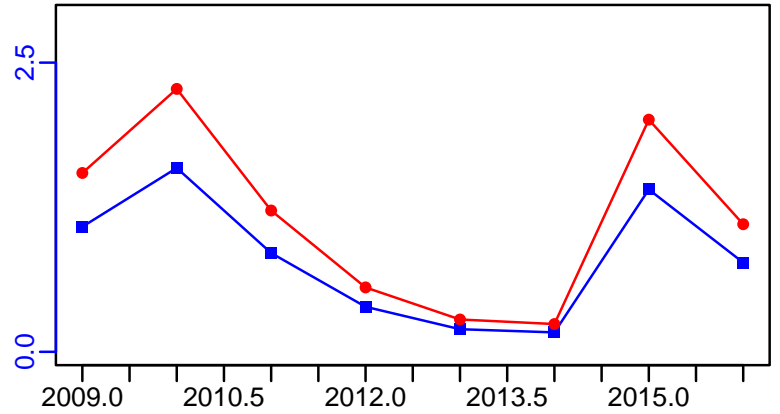
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2009-2016-MEDIMP2021-2)



Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

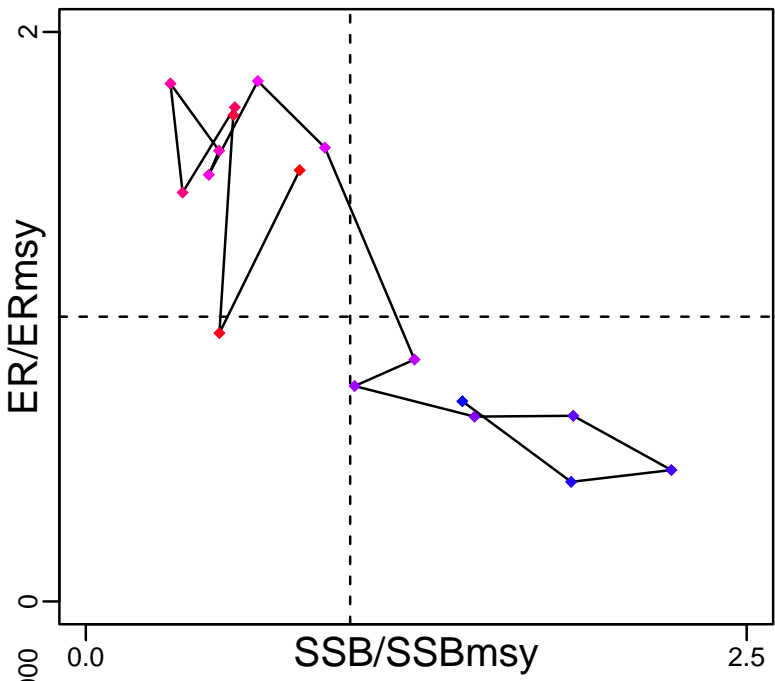
Metadata	
Scientific Name	Trachurus mediterraneus
Current Assess ID	SGSABS-MHMACKMEDGSA29-2005-2021-HIVELY
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Subregional Group on Stock Assessment for the Black Sea
Asmts in RAM	2021, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.267
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.267
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

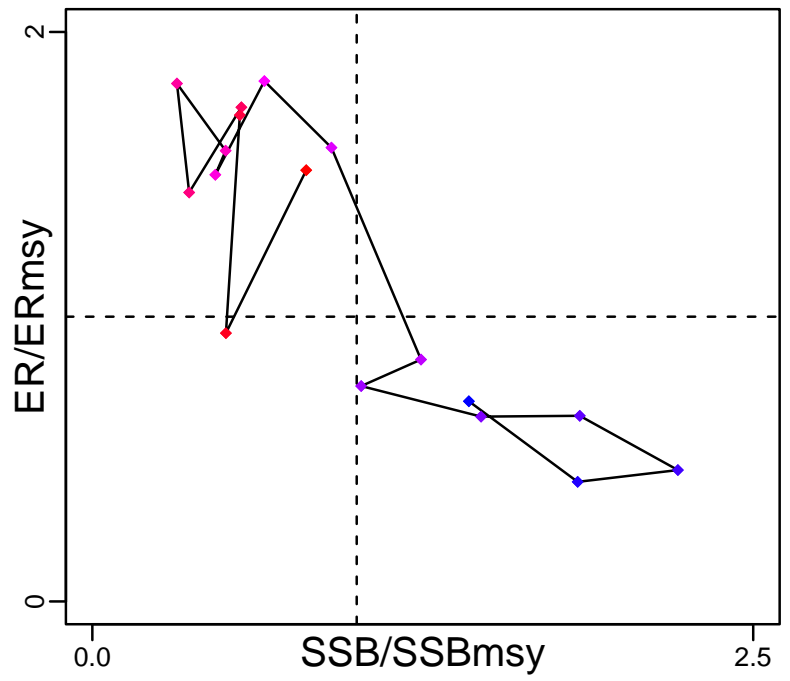
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	47,170	-	-
TN	-	-	-	-	-
R	R-E00	2021	43,712,684,200	-	-
F	F-1/yr	2021	0.858	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	10,096		
TL	TL-MT	2021	21,538		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.663		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.663		
ER/ERmgt	-	-	-		

Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

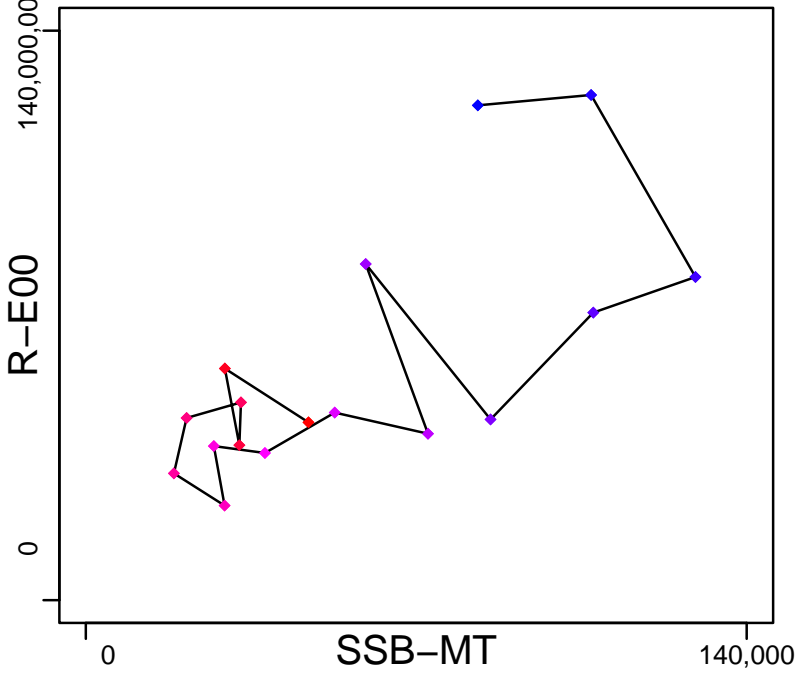
Kobe MSYpref (2005–2021–HIVELY)



Kobe MGTpref (2005–2021–HIVELY)



Spawner Recruit (2005–2021–HIVELY)



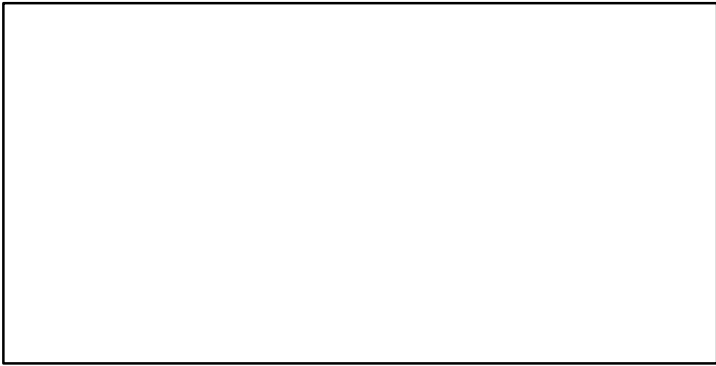
Production*



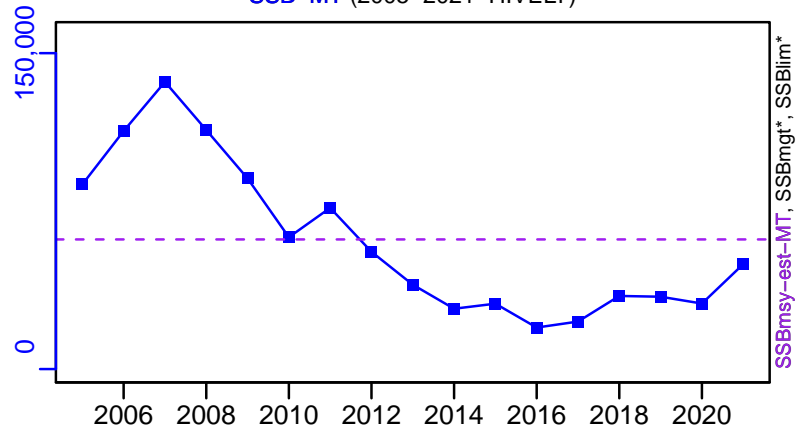
◆ Start Year ◆ End Year * No Data

Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

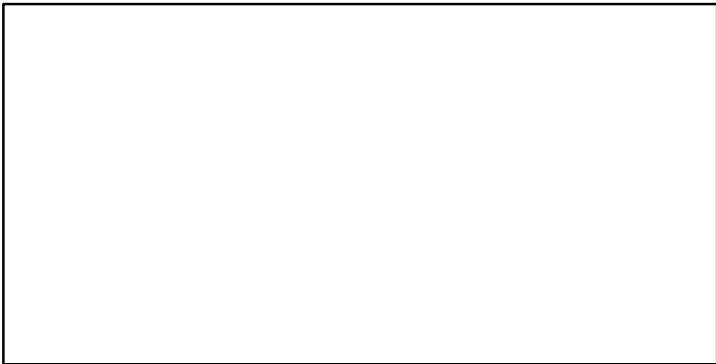
TB*



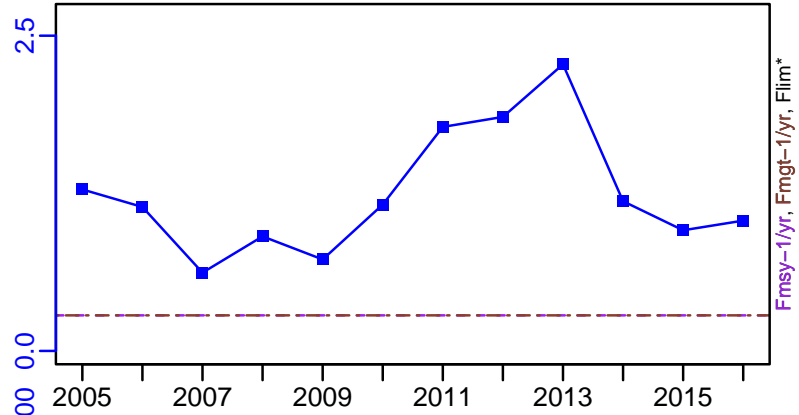
SSB-MT (2005-2021-HIVELY)



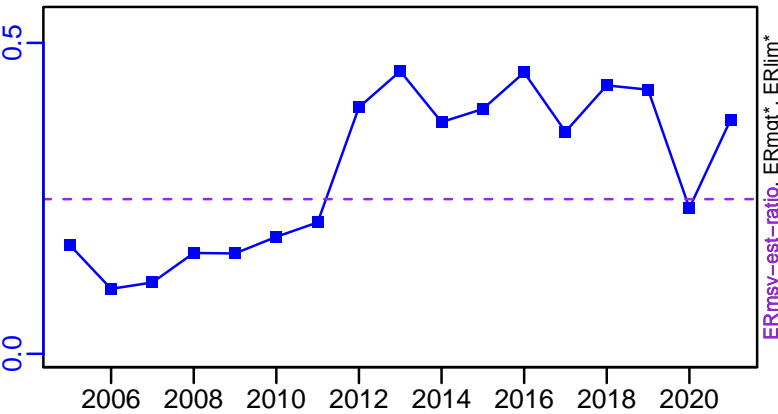
TN *



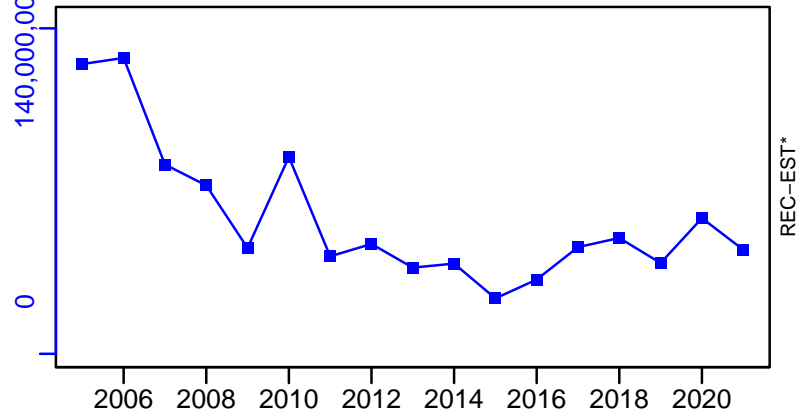
F-1/yr (2005-2016-MEDIMP2021-2)



ER-calc-ratio (2005-2021-HIVELY)



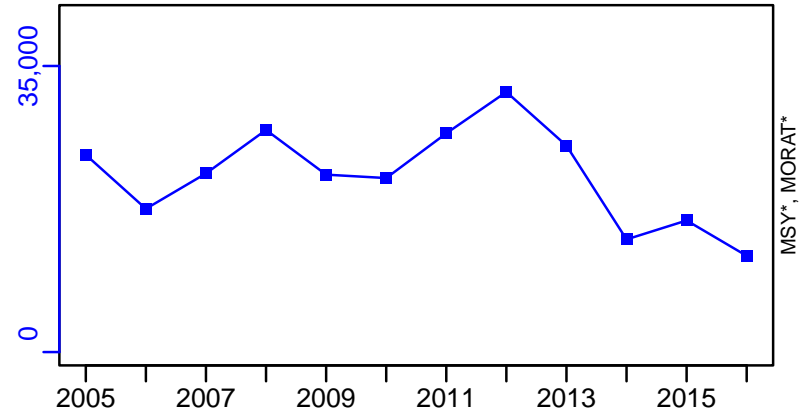
R-E00 (2005-2021-HIVELY)



Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

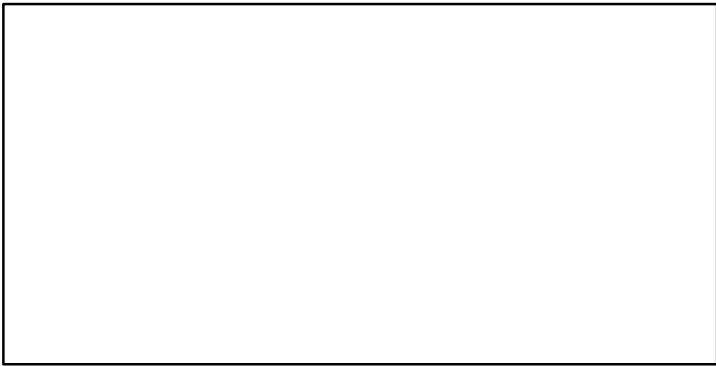
TC-MT, TL*, RecC* (2005-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



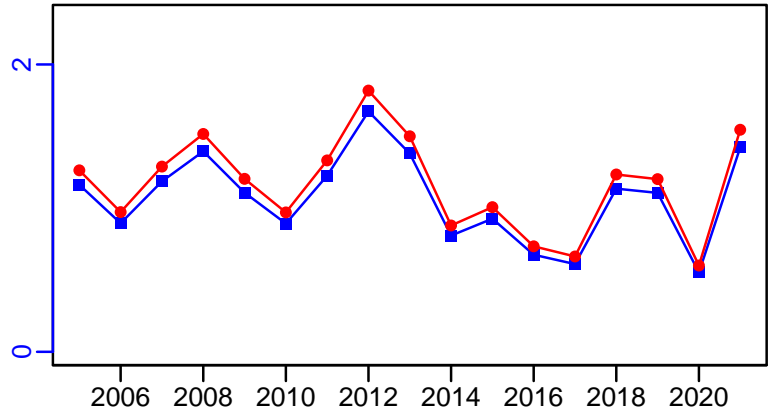
survB*

CPUE*



EFFORT*

TL-MT/MSY-est-MT, CdivMEANC-ratio, (2005-2021-HIVELY)



Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA1-2002-2011-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	186	-	4+
TN	-	-	-	-	-
R	R-E00	2011	6,830,000	-	-
F	F-1/yr	2011	0.33	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	75		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	1.65		
ER/ERmgt	-	-	-		

Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

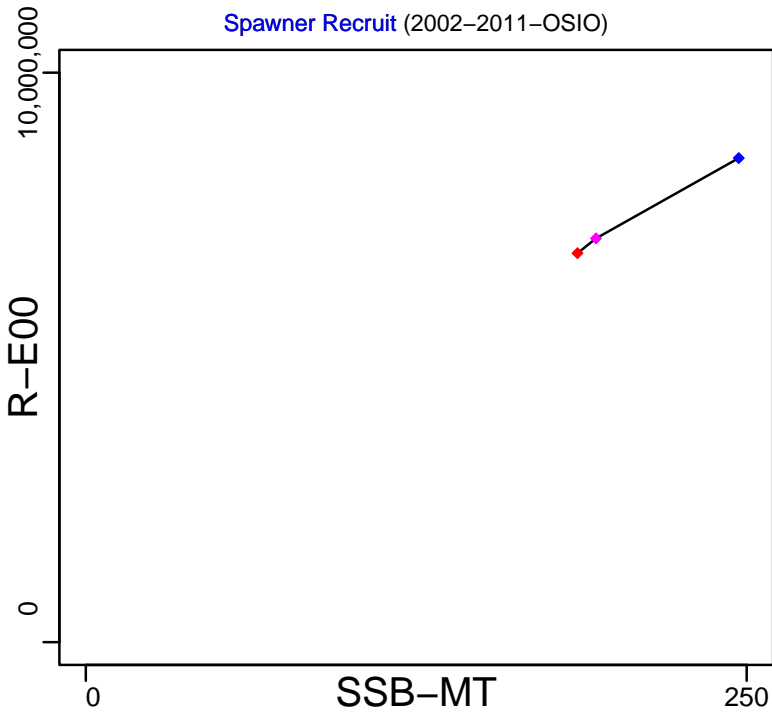
Kobe MSY*



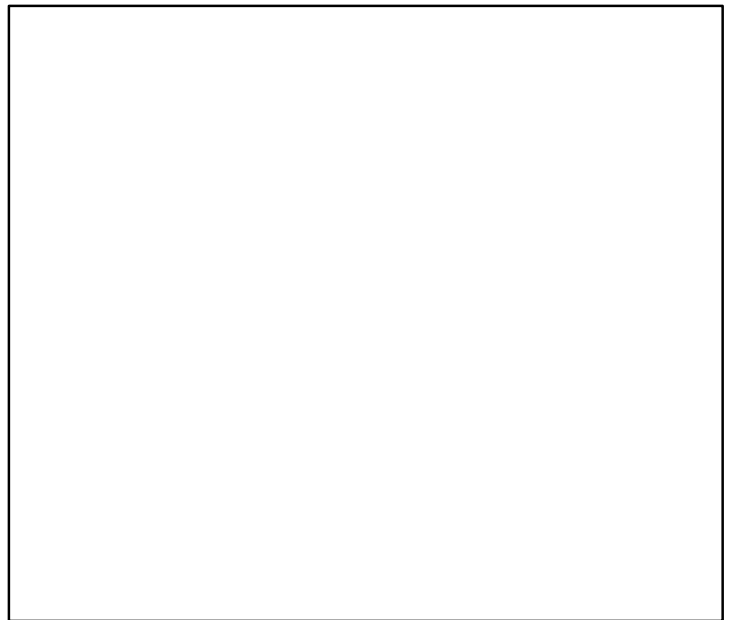
Kobe MGT*



Spawner Recruit (2002-2011-OSIO)



Production*



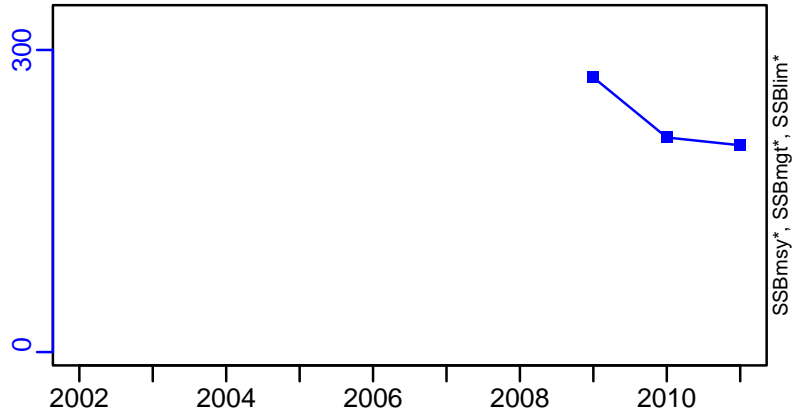
◆ Start Year ◆ End Year * No Data

Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

TB*



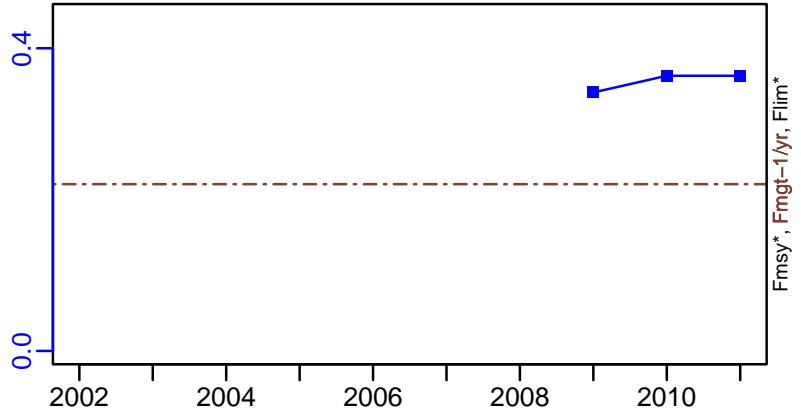
SSB-MT (2002-2011-OSIO)



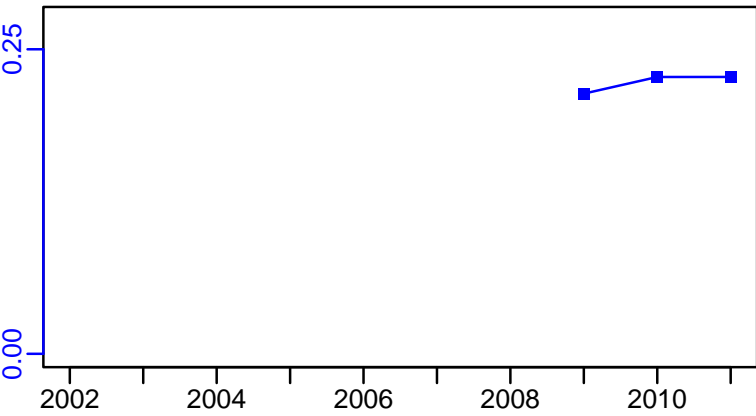
TN *



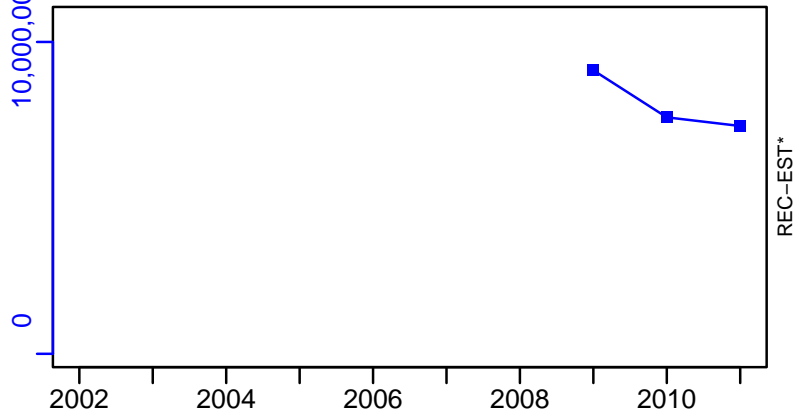
F-1/yr (2002-2011-OSIO)



ER-calc-ratio (2002-2011-OSIO)



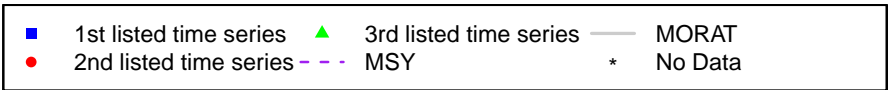
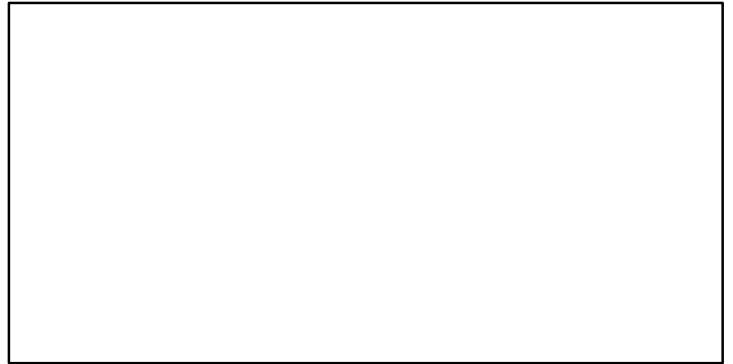
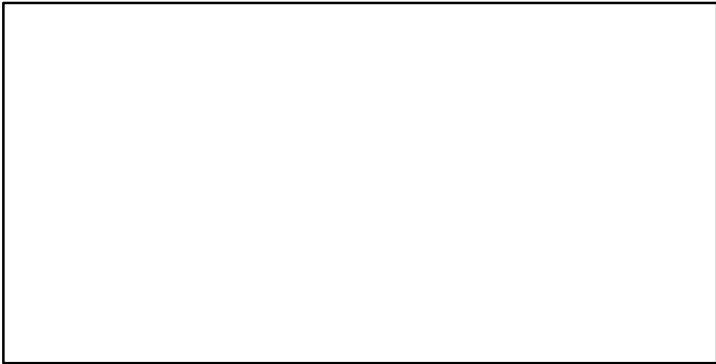
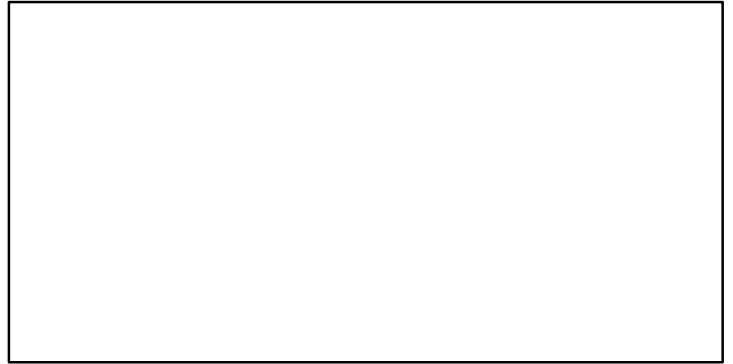
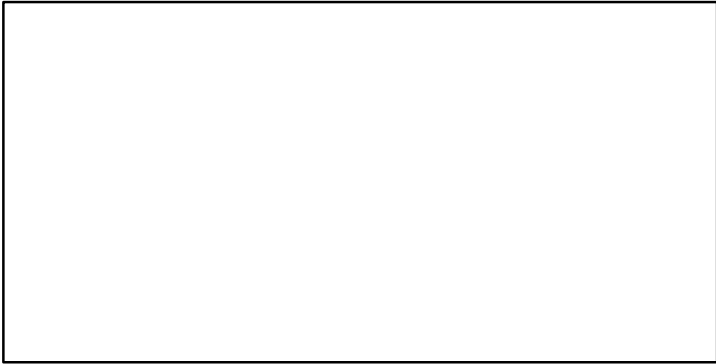
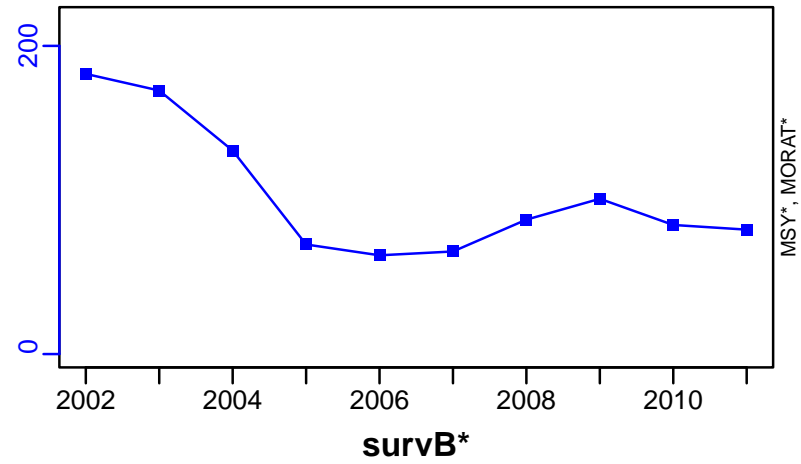
R-E00 (2002-2011-OSIO)



Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

TC-MT, TL*, RecC* (2002-2011-OSIO)

TAC*, Cpair*, Cadv*



Norway lobster Sardinia [NEPHMEDGSA11]

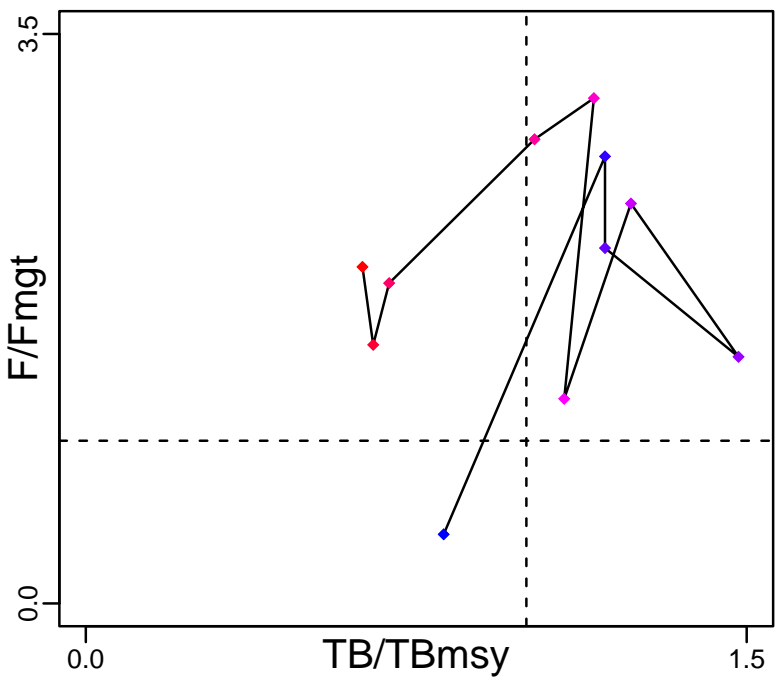
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA11-2005-2015-OSIO
Area	Sardinia
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

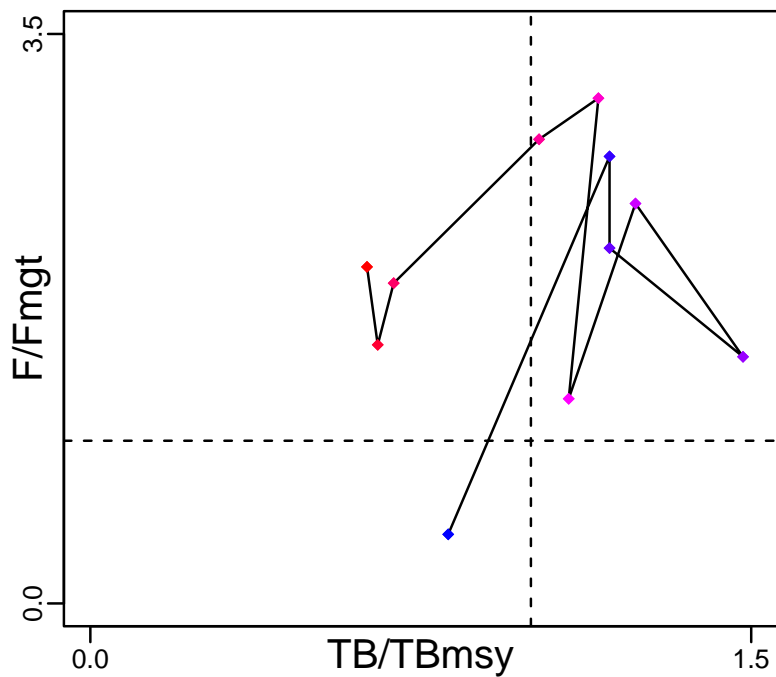
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	75	-	-
SSB	SSB-MT	2015	39	Both	-
TN	-	-	-	-	-
R	R-E00	2015	1,370,000	-	-
F	F-1/yr	2015	0.393	-	-
ER	ER-calc-ratio	2015	0.244	-	-
TC	TC-MT	2015	18		
TL	TL-MT	2015	18		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.068		
ER/ERmgt	-	-	-		

Norway lobster Sardinia [NEPHMEDGSA11]

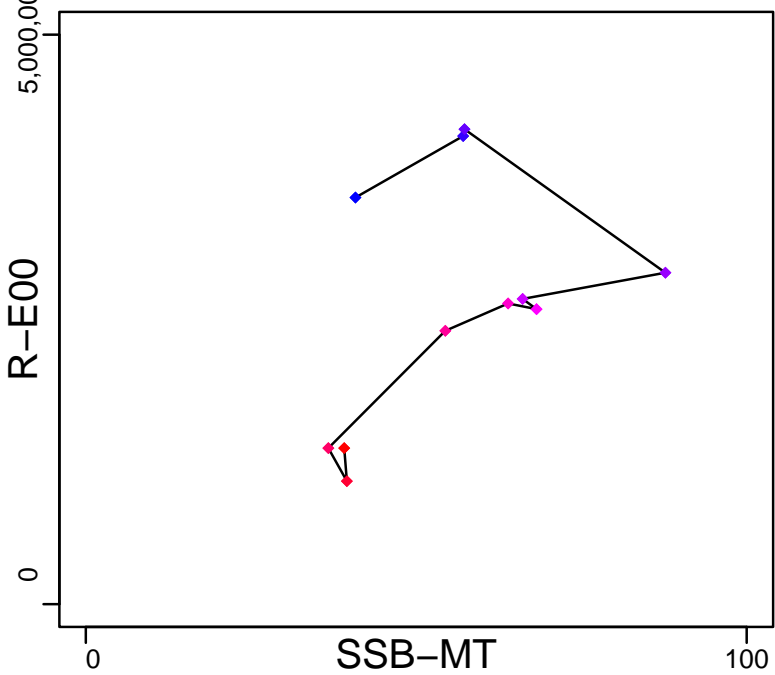
Kobe MSYpref (2005–2015–OSIO)



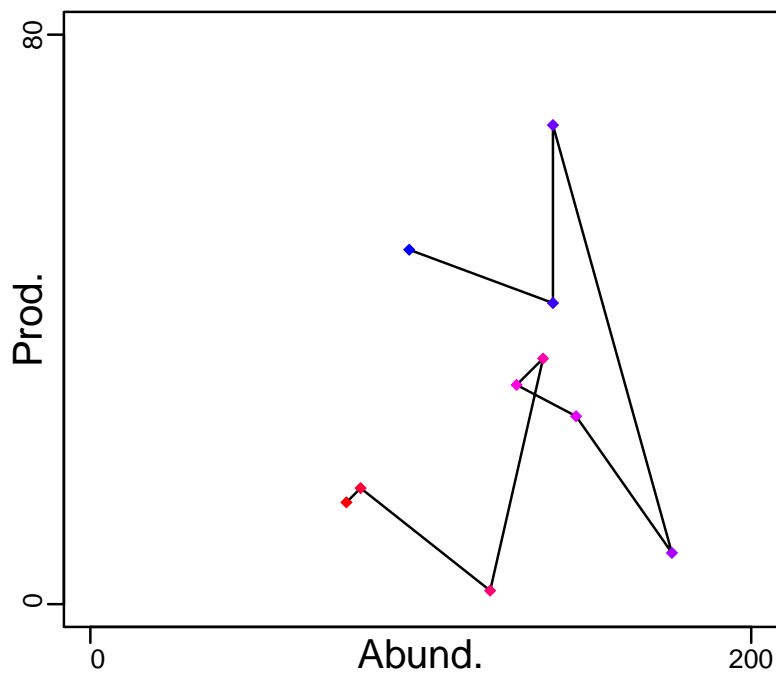
Kobe MGTpref (2005–2015–OSIO)



Spawner Recruit (2005–2015–OSIO)



Production (2005–2015–OSIO)

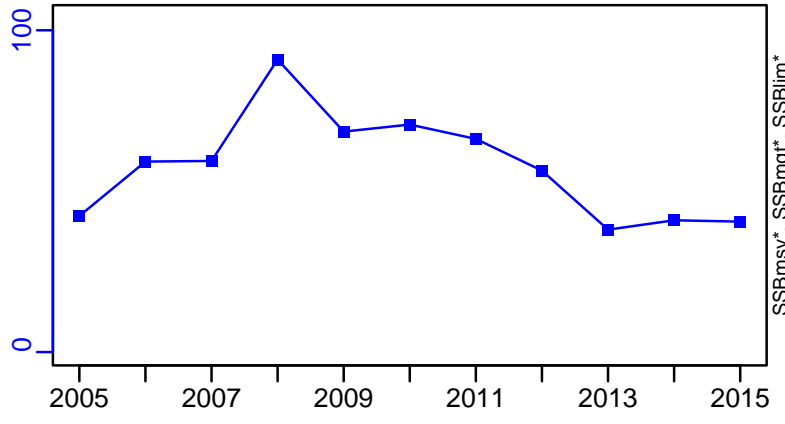
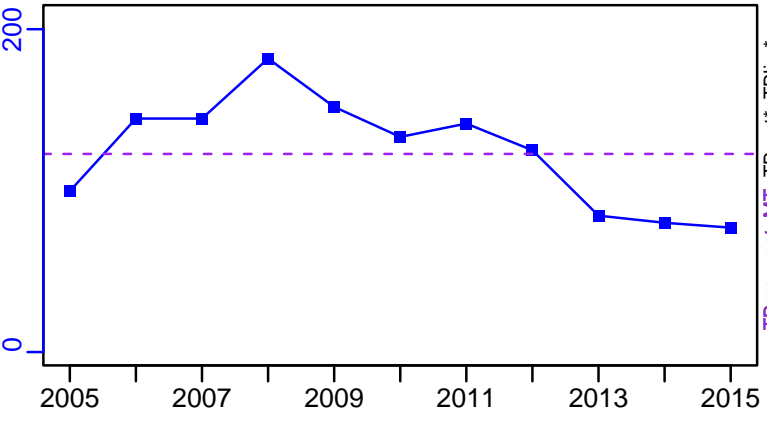


◆ Start Year ◆ End Year * No Data

Norway lobster Sardinia [NEPHMEDGSA11]

TB-MT (2005-2015-OSIO)

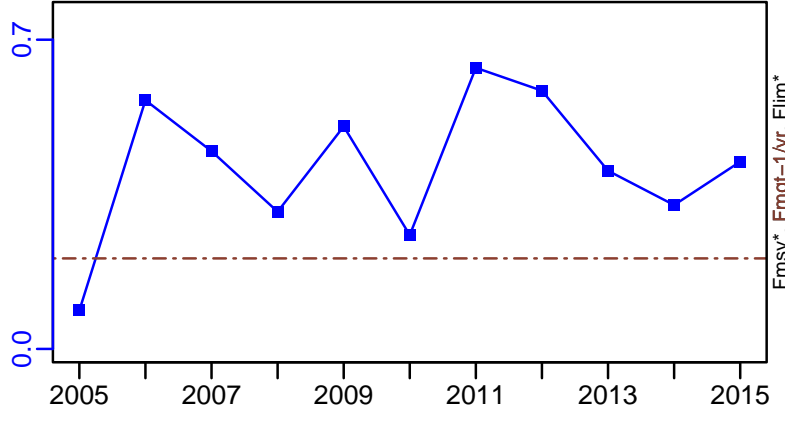
SSB-MT (2005-2015-OSIO)



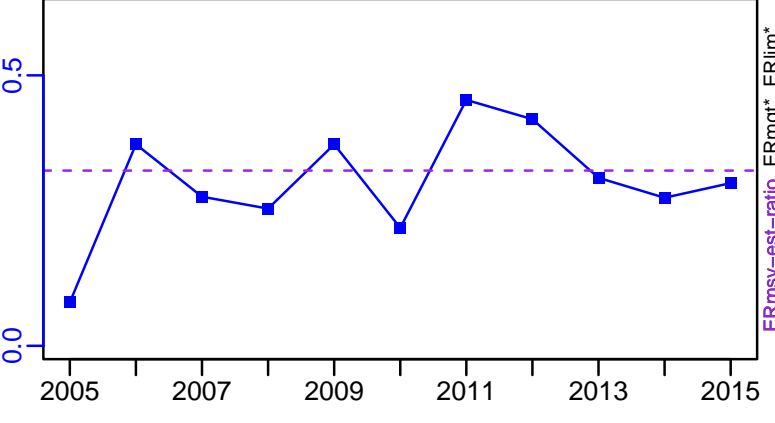
TN *



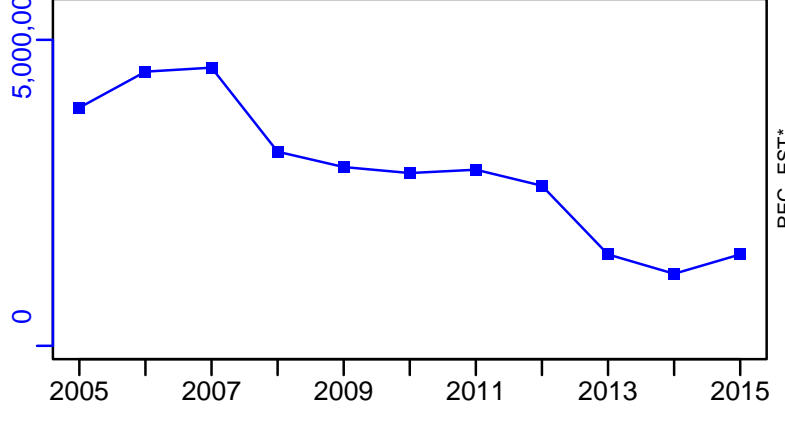
F-1/yr (2005-2015-OSIO)



ER-calc-ratio (2005-2015-OSIO)



R-E00 (2005-2015-OSIO)

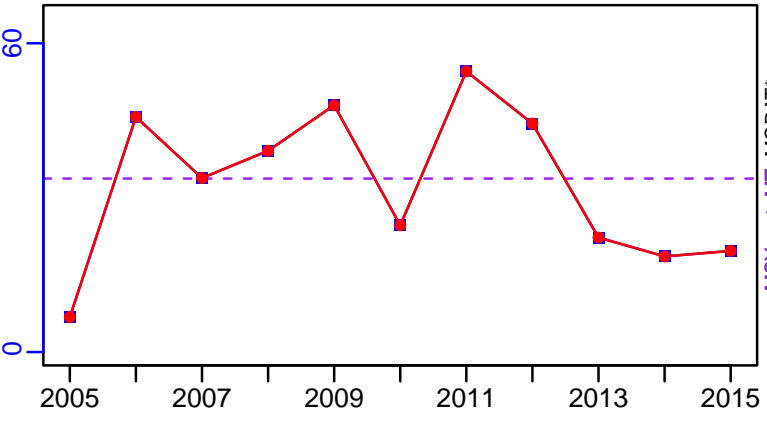


■ Listed time series - - - Target BRP — Rec-Est
- - - MSY-based BRP - - - Lim BRP * No Data

Norway lobster Sardinia [NEPHMEDGSA11]

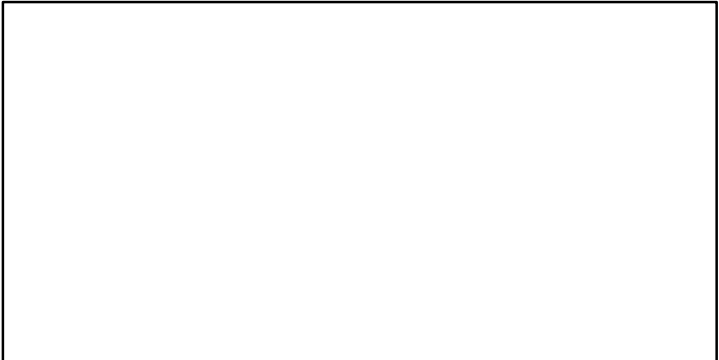
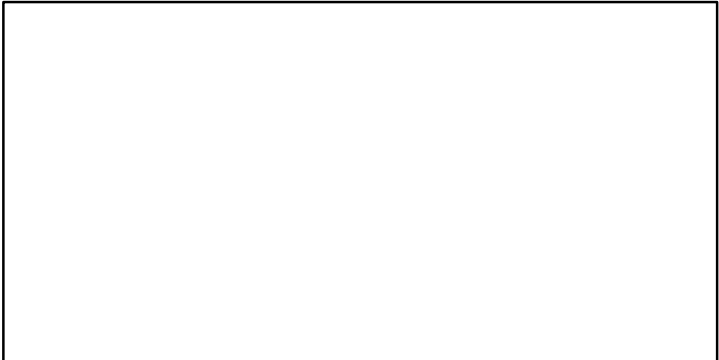
TC-MT, TL-MT, RecC* (2005-2015-OSIO)

TAC*, Cpair*, Cadv*



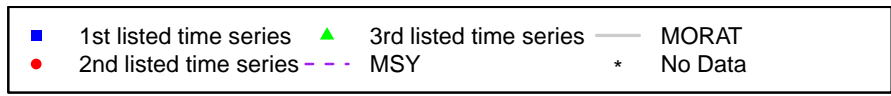
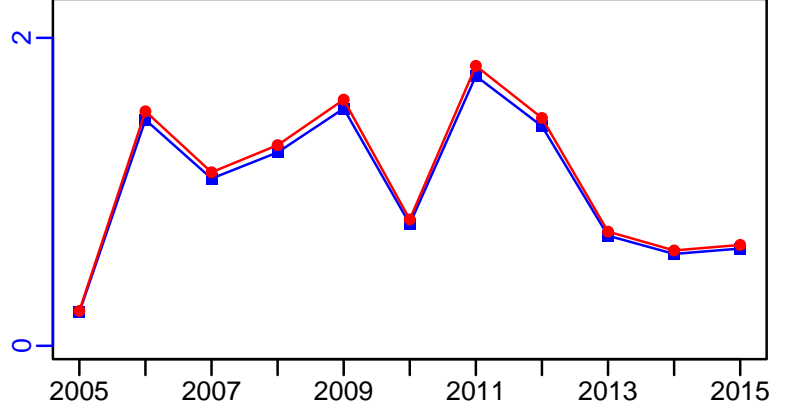
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2005-2015-OSIO)



Norway lobster Malta Island and South of Sicily (GSA 15, 16) [NEPHMEDGSA15-16]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA15-16-2003-2021-HIVELY
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-pr-1/yr	2021	0.1
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	485	-	-
TN	-	-	-	-	-
R	R-E00	2021	9,484,000	-	2
F	F-1/yr	2021	0.2	-	2-8
ER	-	-	-	-	-
TC	TC-MT	2021	148		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-pr-1/yr	2021	2		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	0.75		
ER/ERmgt	-	-	-		

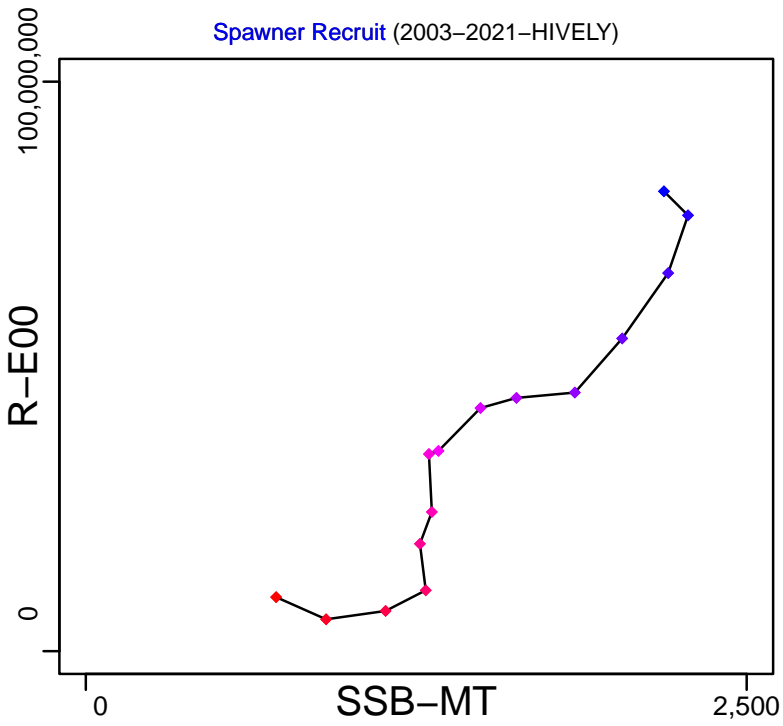
Kobe MSY*



Kobe MGT*



Spawner Recruit (2003-2021-HIVELY)



Production*



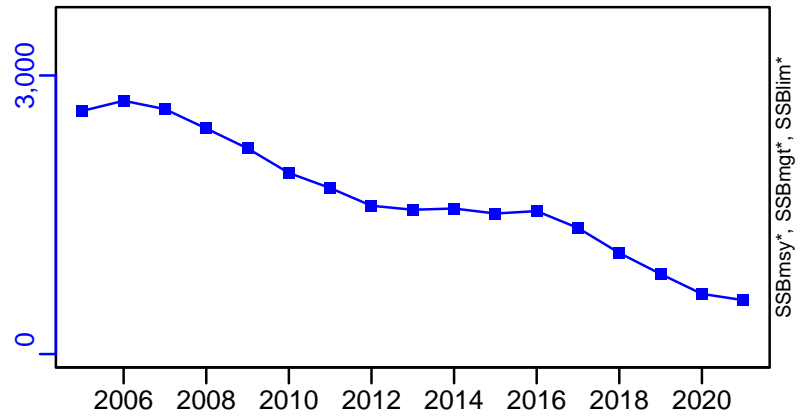
◆ Start Year ◆ End Year * No Data

Norway lobster Malta Island and South of Sicily (GSA 15, 16) [NEPHMEDGSA15-16]

TB*



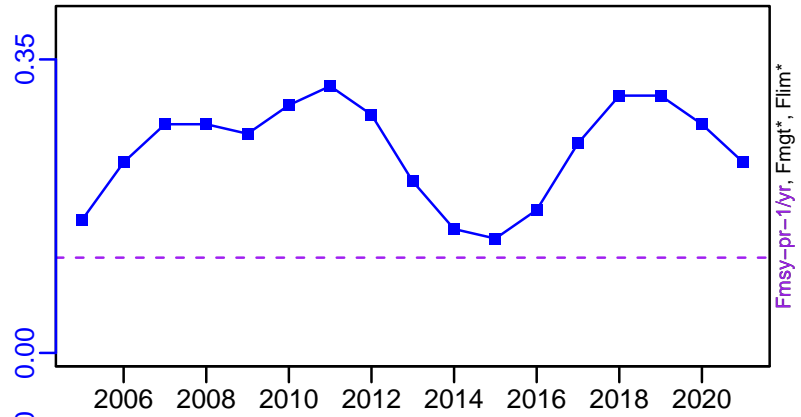
SSB-MT (2003-2021-HIVELY)



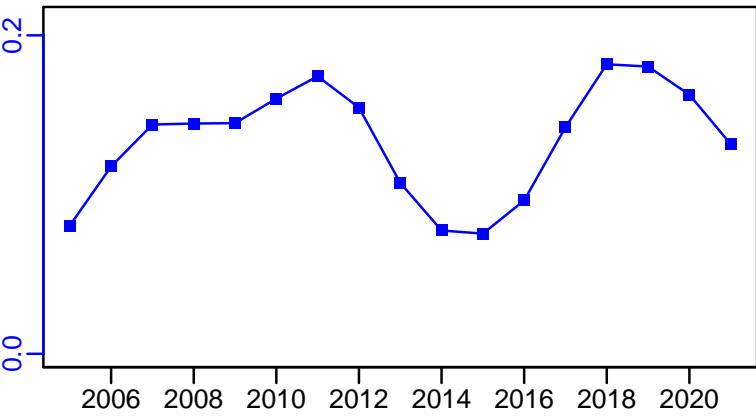
TN *



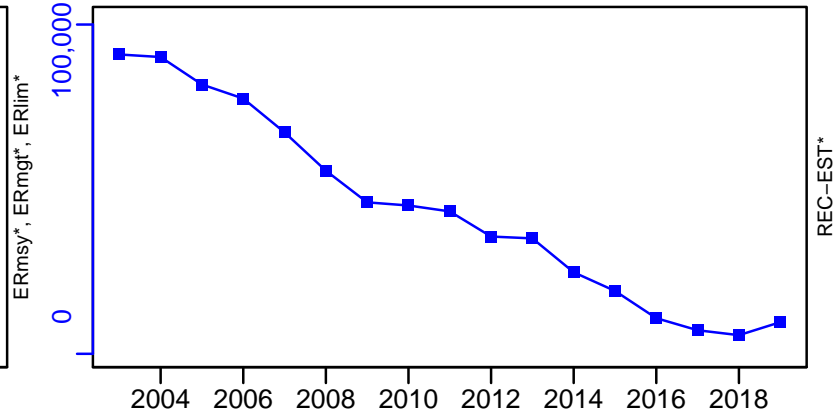
F-1/yr (2003-2021-HIVELY)



ER-calc-ratio (2003-2021-HIVELY)



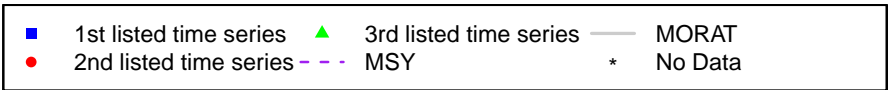
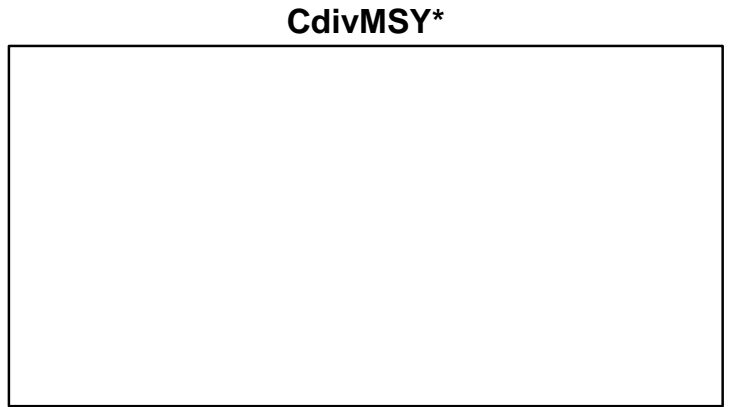
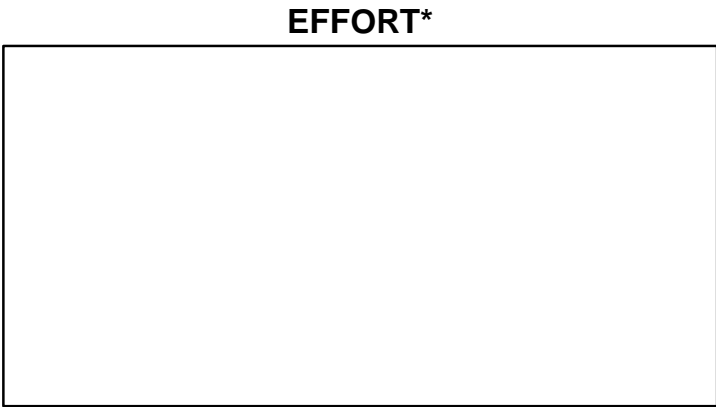
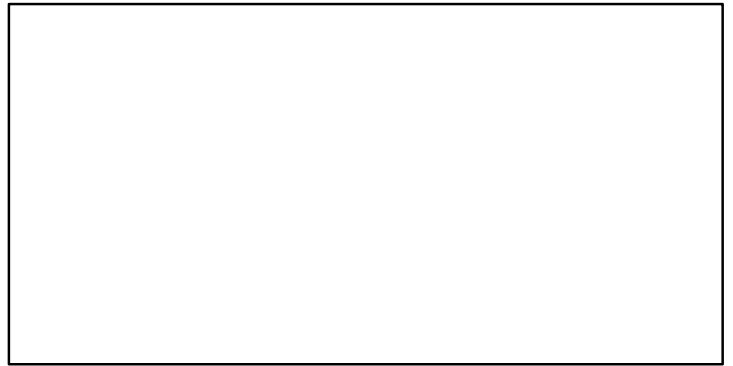
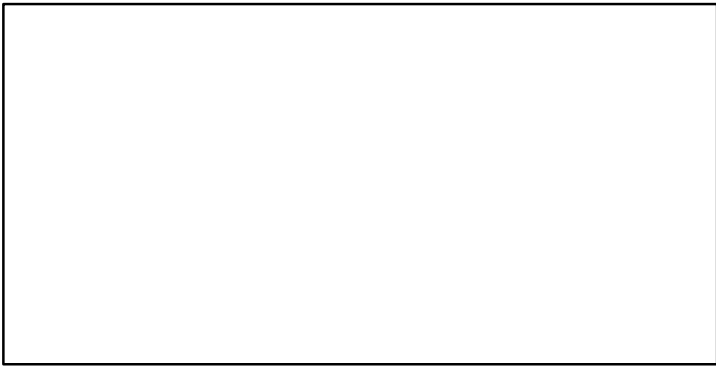
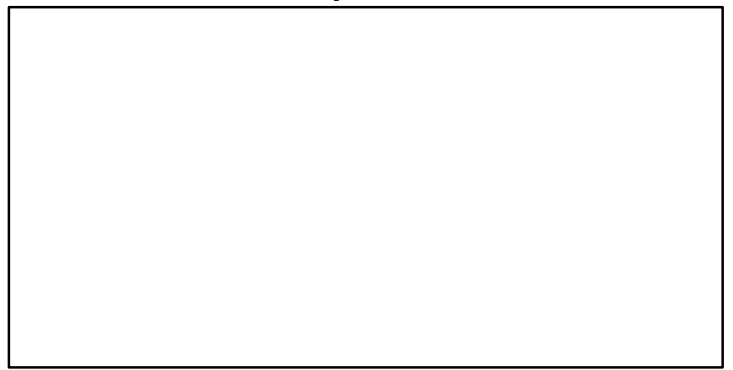
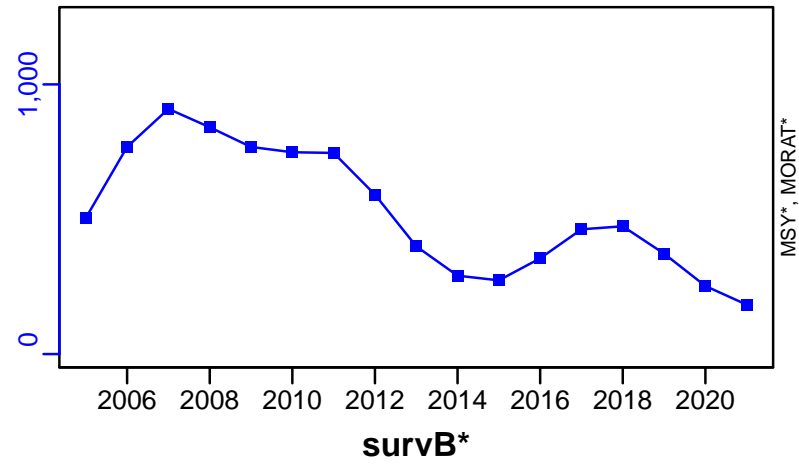
R-E00 (2003-2021-HIVELY)



Norway lobster Malta Island and South of Sicily (GSA 15, 16) [NEPHMEDGSA15-16]

TC-MT, TL*, RecC* (2003-2021-HIVELY)

TAC*, Cpair*, Cadv*



Norway lobster Adriatic Sea (GSA 17,18) [NEPHMEDGSA17-18]

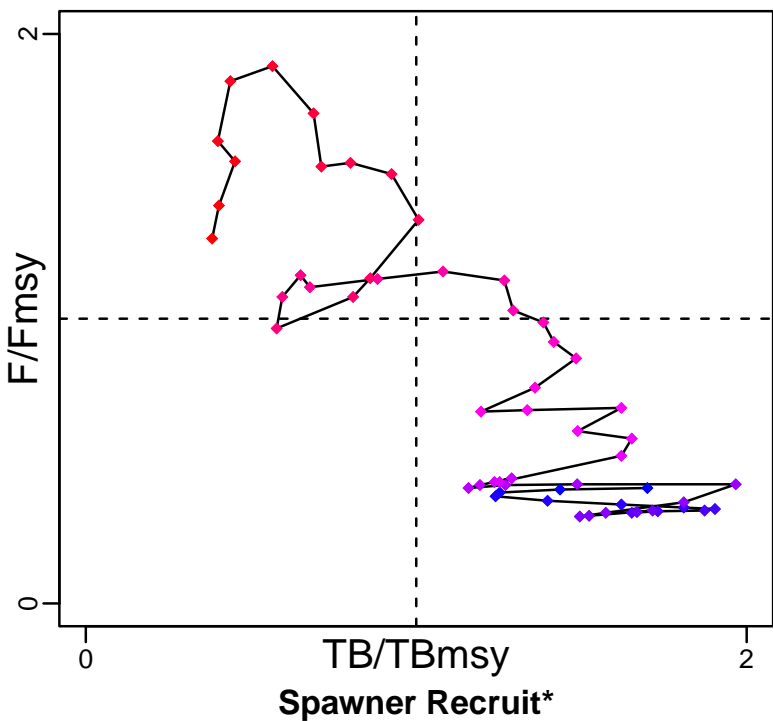
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA17-18-1970-2019-MEDIMP2021-2
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2015	6355
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2019	0.363
ERmsy	-	-	-
TBmgt	TBmgt-MT	2015	6355
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.363
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

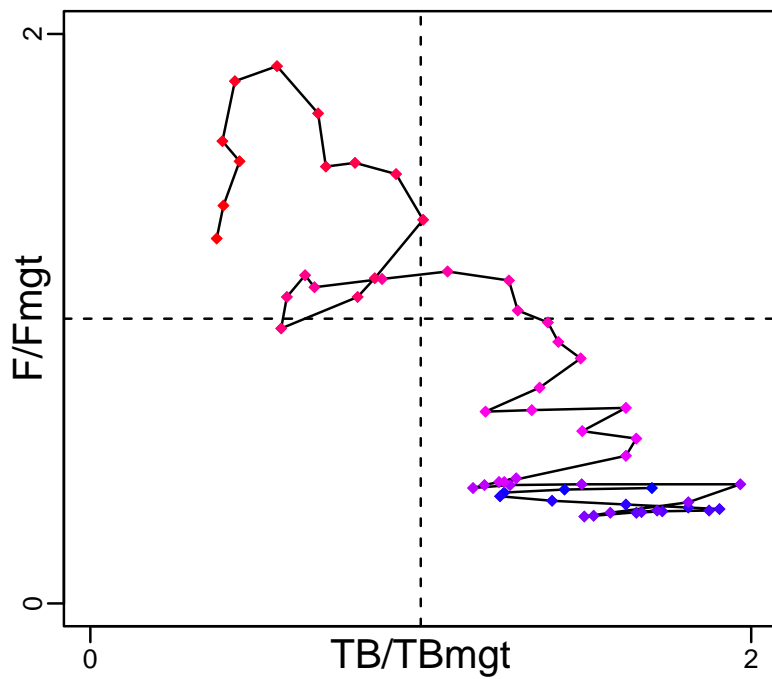
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	2430	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2019	0.4	-	-
ER	ER-calc-ratio	2015	0.49	-	-
TC	TC-MT	2019	1319		
TL	TL-MT	2015	1190		
TB/TBmsy	TB-MT/TBmsy-MT	2015	0.382		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2019	1.102		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2015	0.382		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.102		
ER/ERmgt	-	-	-		

Norway lobster Adriatic Sea (GSA 17,18) [NEPHMEDGSA17-18]

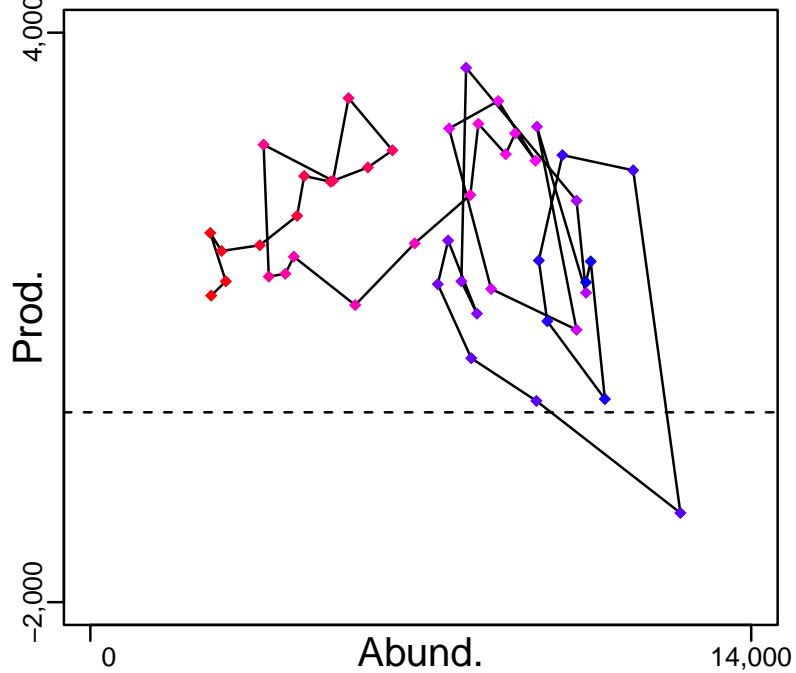
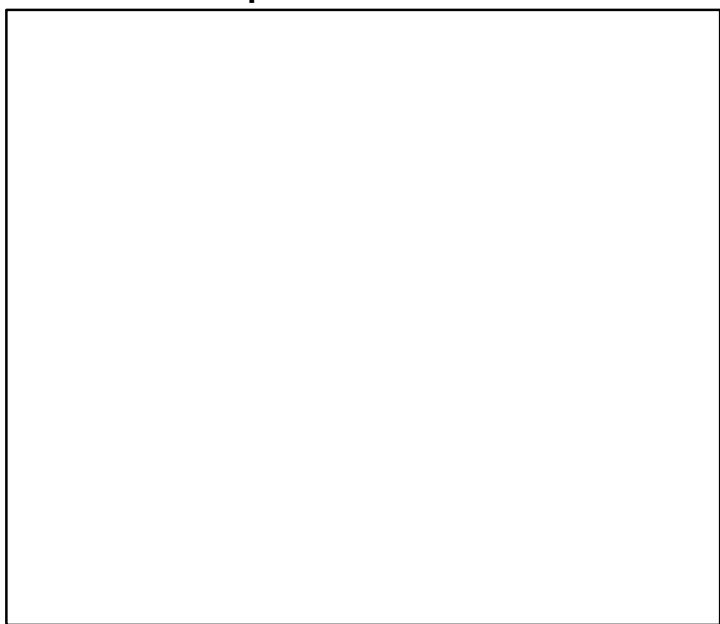
Kobe MSYpref (1960-2015-OSIO)



Kobe MGTpref (1960-2015-OSIO)



Production (1960-2015-OSIO)

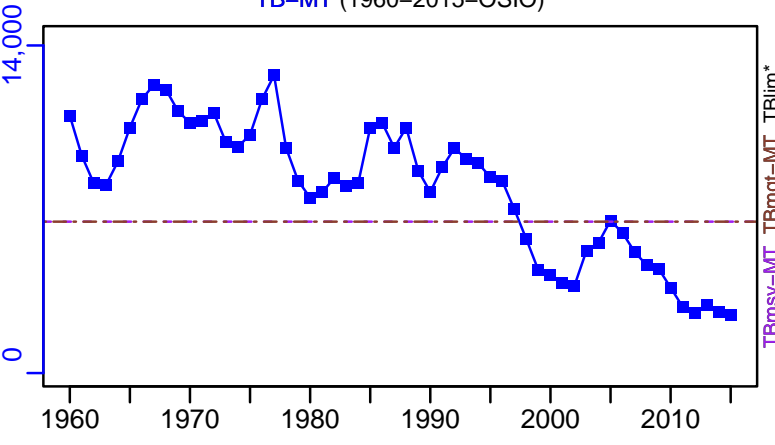


◆ Start Year ◆ End Year * No Data

Norway lobster Adriatic Sea (GSA 17,18) [NEPHMEDGSA17-18]

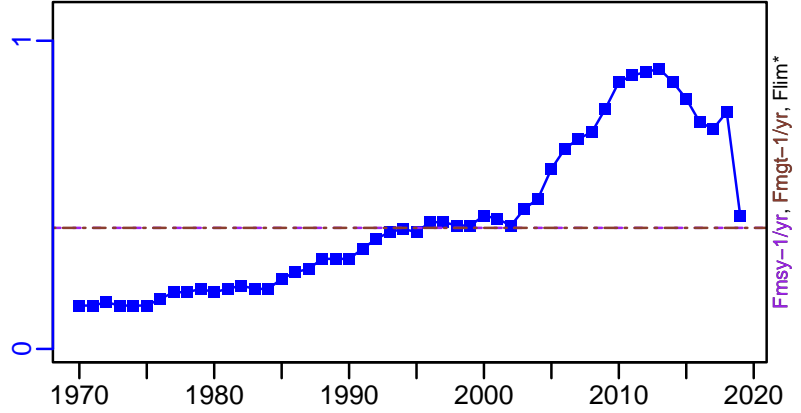
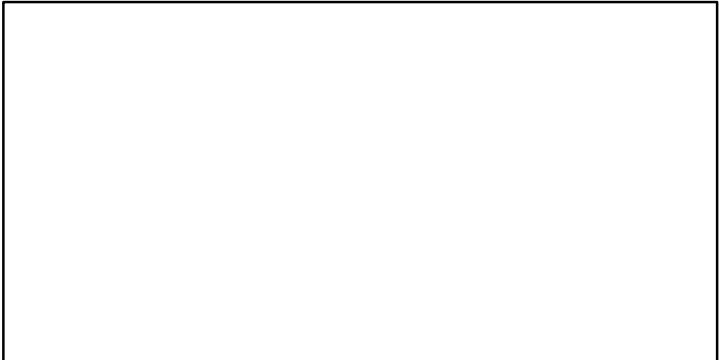
TB-MT (1960-2015-OSIO)

SSB*



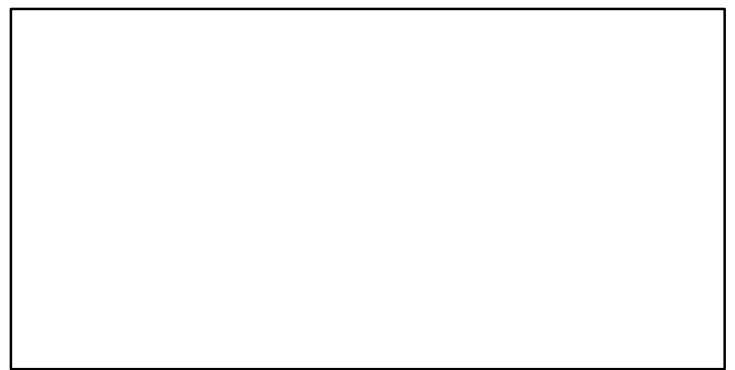
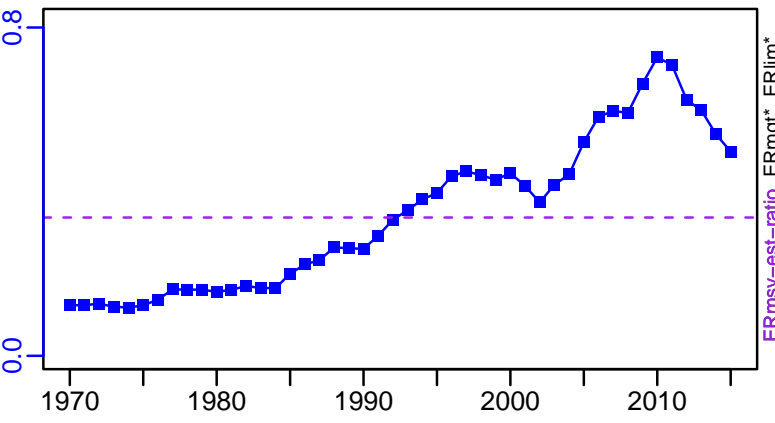
TN *

F-1/yr (1970-2019-MEDIMP2021-2)



ER-calc-ratio (1960-2015-OSIO)

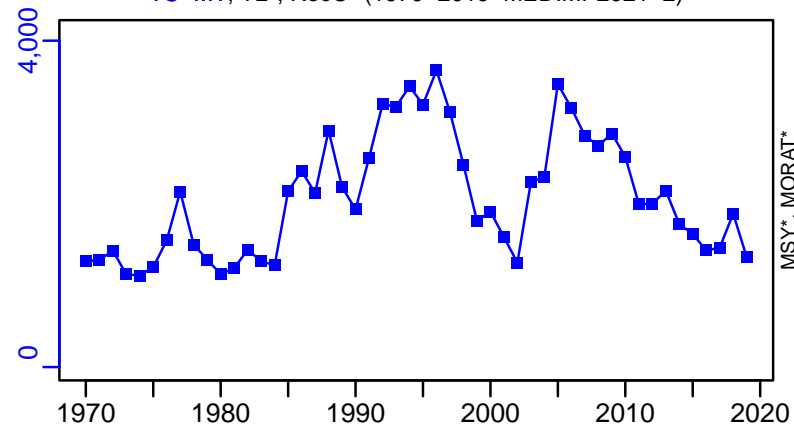
Recruits*



Norway lobster Adriatic Sea (GSA 17,18) [NEPHMEDGSA17-18]

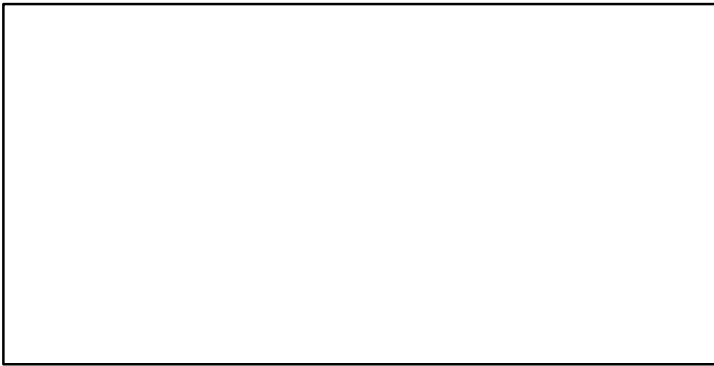
TC-MT, TL*, RecC* (1970-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



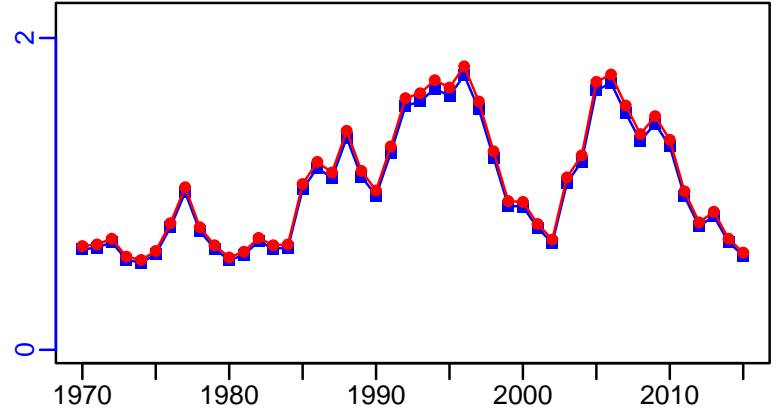
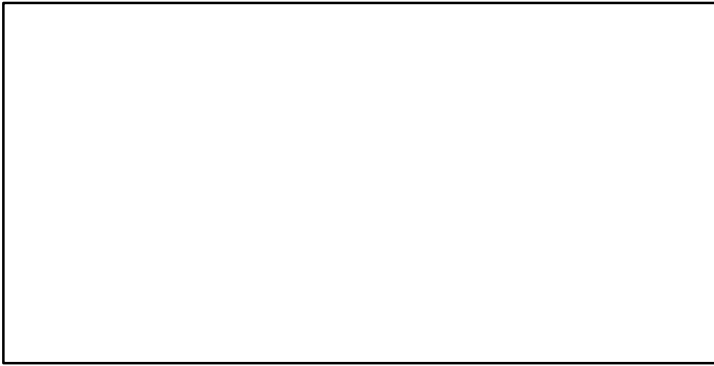
survB*

CPUE*



EFFORT*

TL-MT/MSY-est-MT, CdivMEANC-ratio, (1960-2015-OSIO)



Norway lobster Balearic Island [NEPHMEDGSA5]

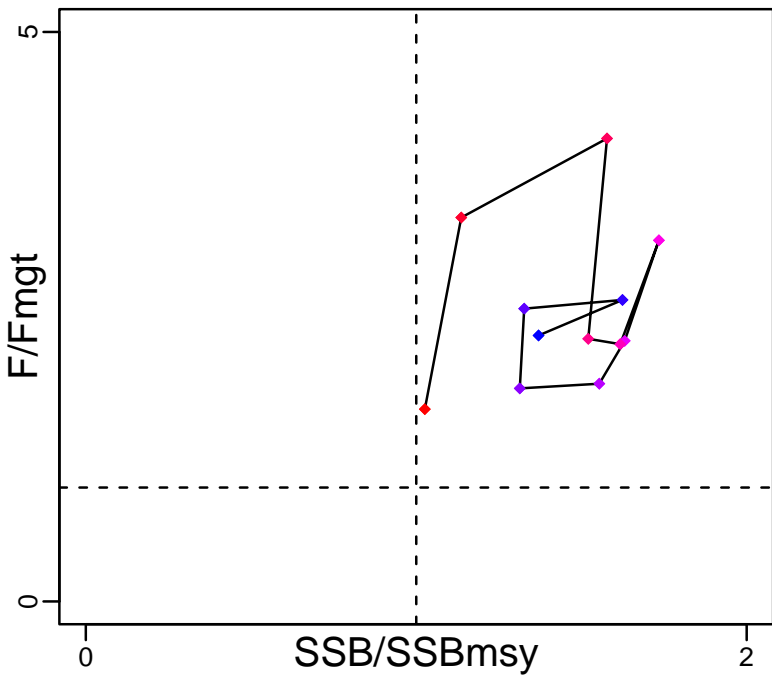
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA5-2002-2013-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.17
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

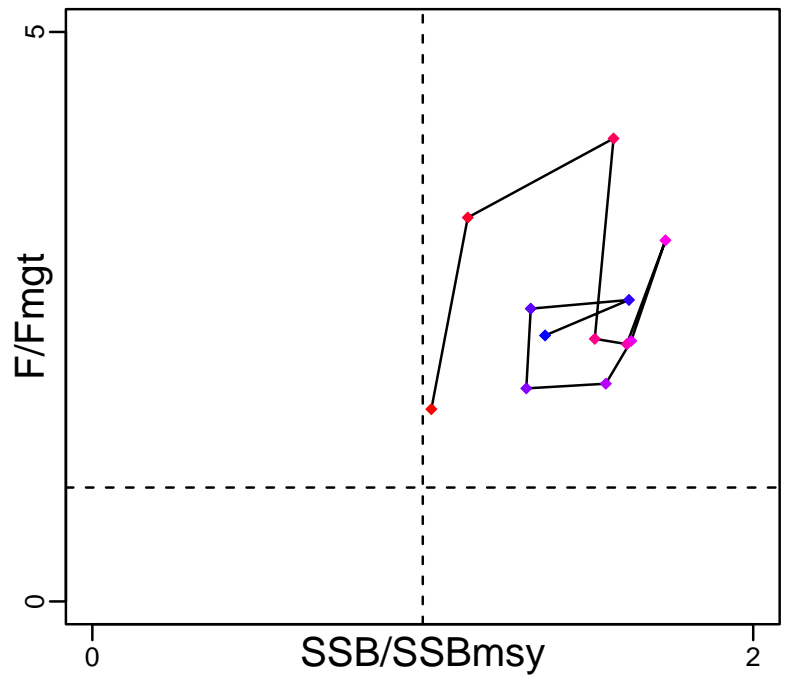
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	100	-	-
SSB	SSB-MT	2013	31	-	4+
TN	-	-	-	-	-
R	R-E00	2013	1,620,000	-	-
F	F-1/yr	2013	0.287	-	-
ER	ER-calc-ratio	2011	0.321	-	-
TC	TC-MT	2013	10		
TL	TL-MT	2011	32		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.688		
ER/ERmgt	-	-	-		

Norway lobster Balearic Island [NEPHMEDGSA5]

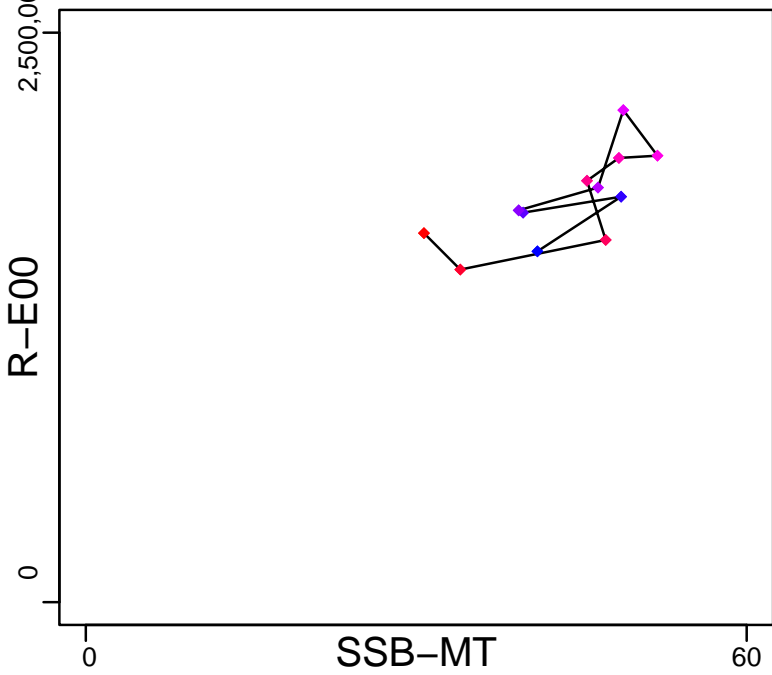
Kobe MSYpref (2002–2013–OSIO)



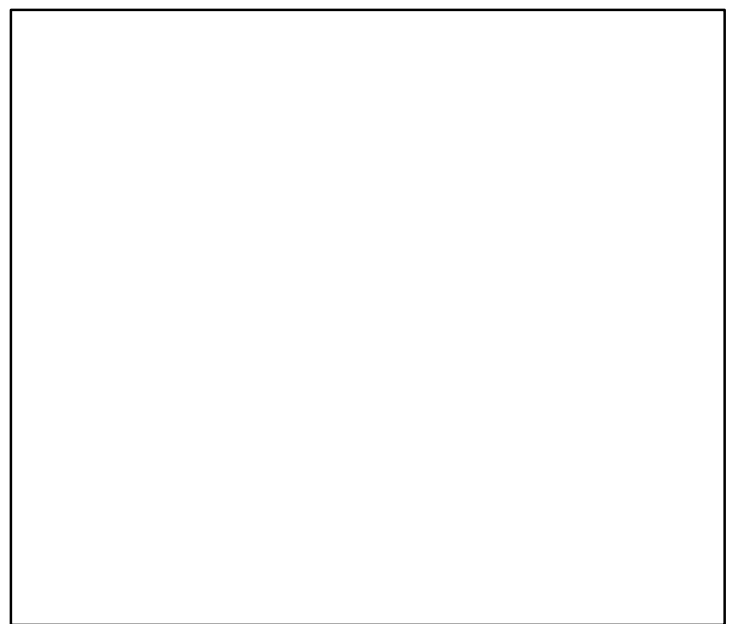
Kobe MGTpref (2002–2013–OSIO)



Spawner Recruit (2002–2013–OSIO)



Production*

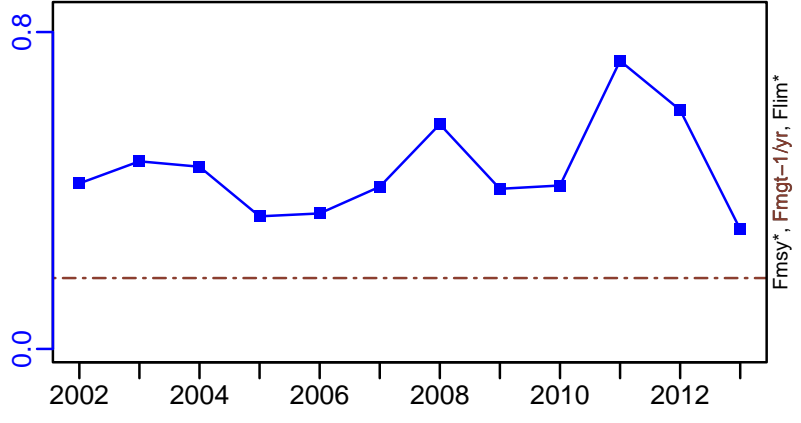
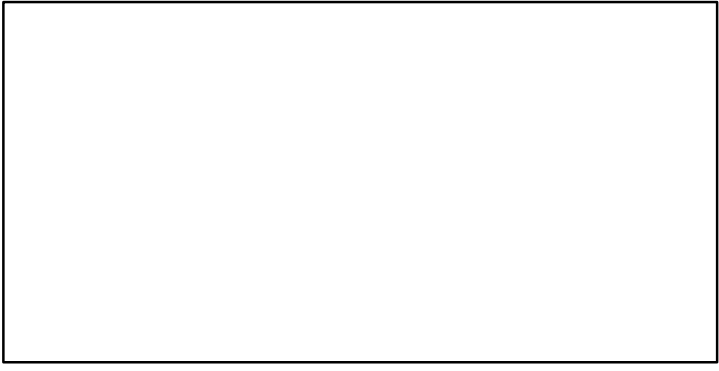
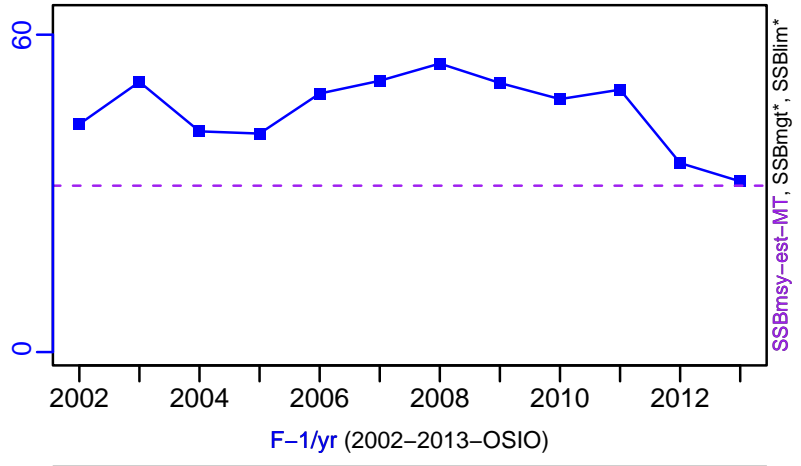
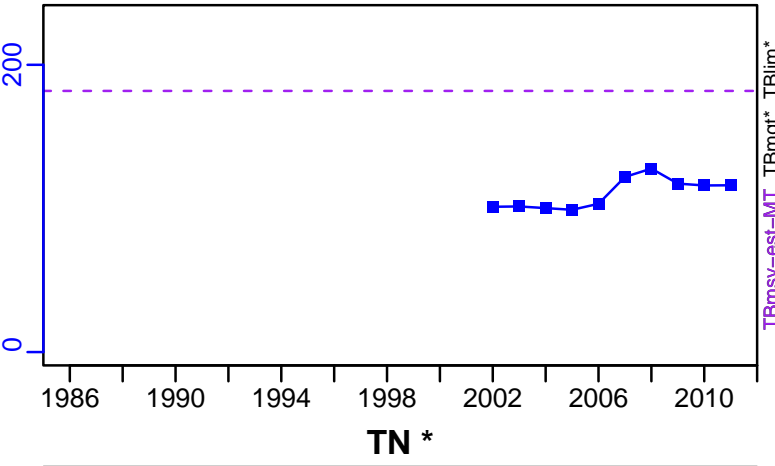


◆ Start Year ◆ End Year * No Data

Norway lobster Balearic Island [NEPHMEDGSA5]

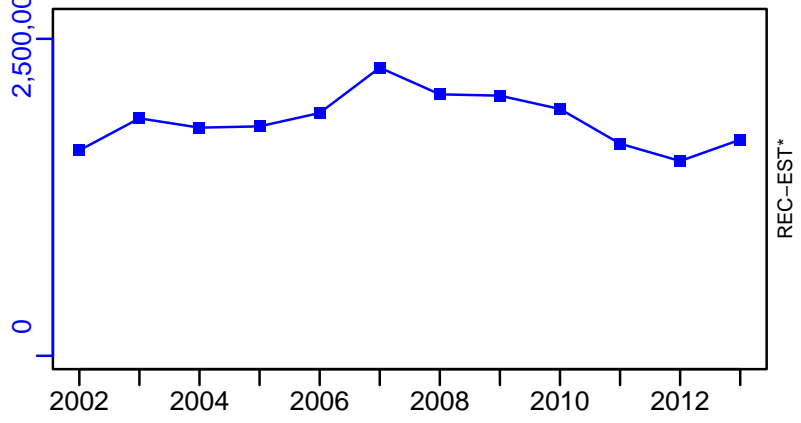
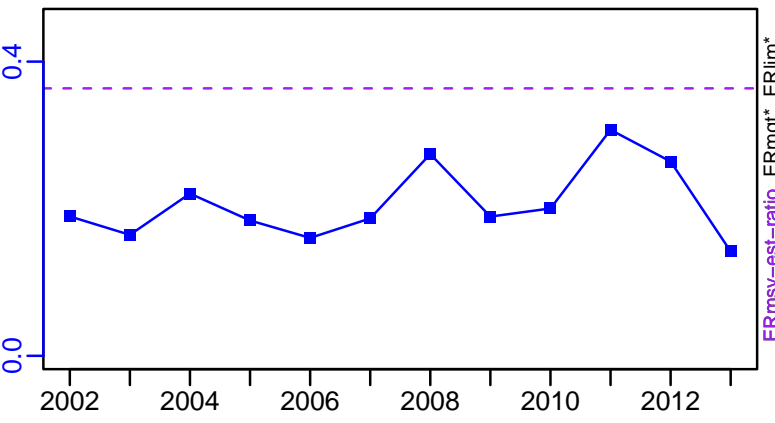
TB-MT (1986-2011-BANOBI)

SSB-MT (2002-2013-OSIO)



ER-calc-ratio (2002-2013-OSIO)

R-E00 (2002-2013-OSIO)

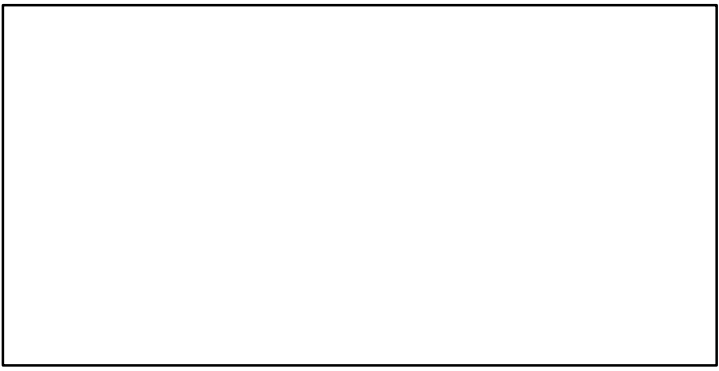
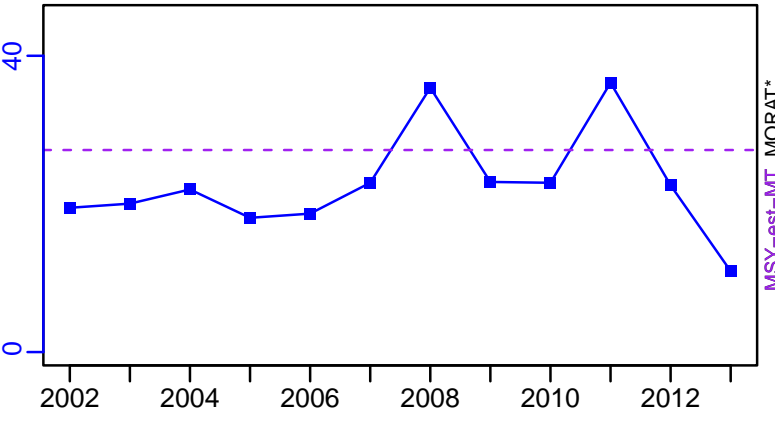


■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	- - - Lim BRP	* No Data

Norway lobster Balearic Island [NEPHMEDGSA5]

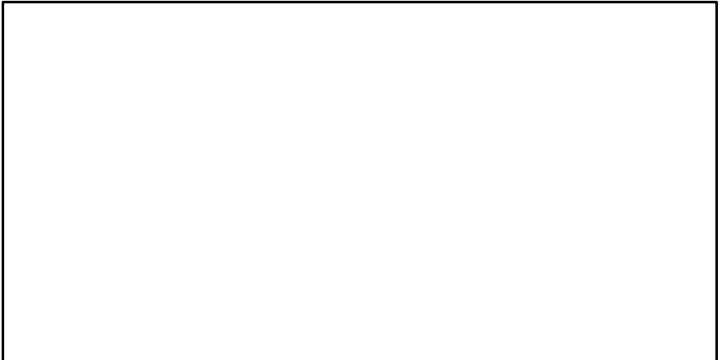
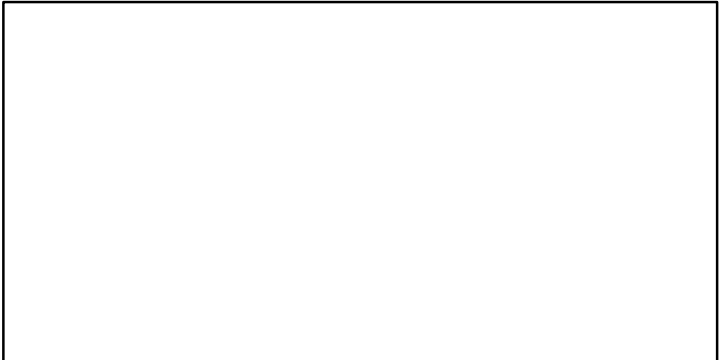
TC-MT, TL*, RecC* (2002-2013-OSIO)

TAC*, Cpair*, Cadv*



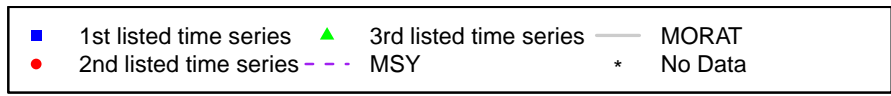
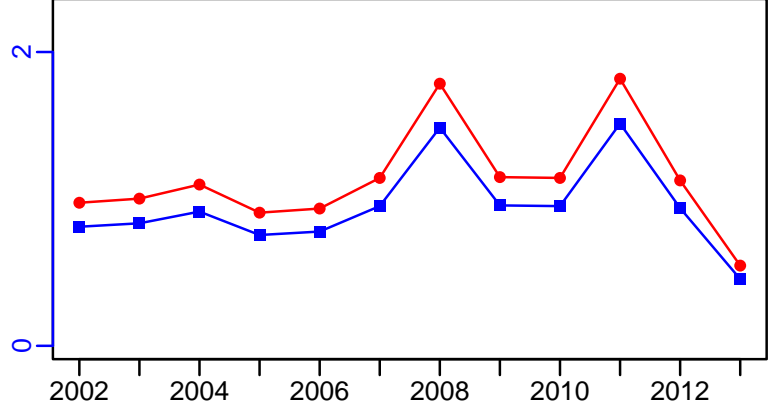
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2013-OSIO)



Norway lobster Northern Spain [NEPHMEDGSA6]

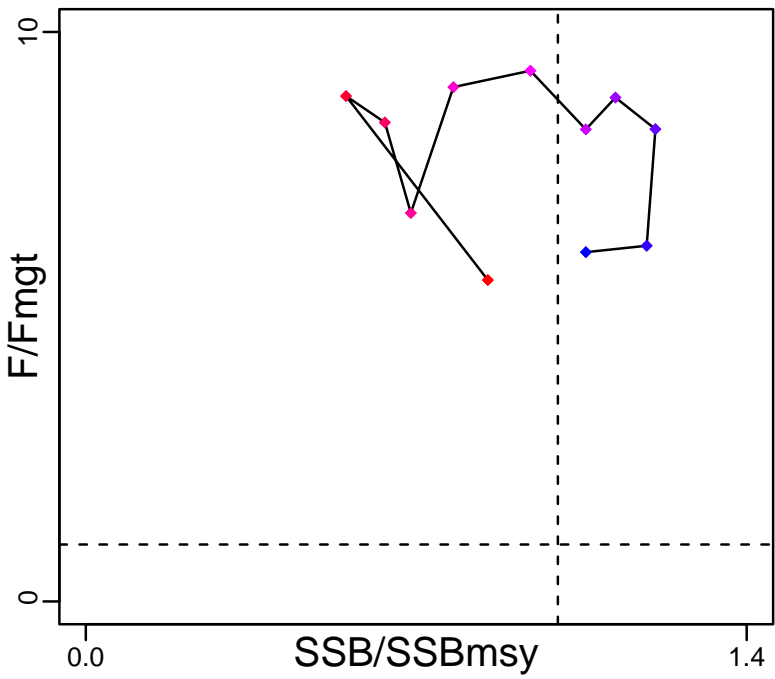
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA6-2009-2019-MEDIMP2021-2
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2015, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.109
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

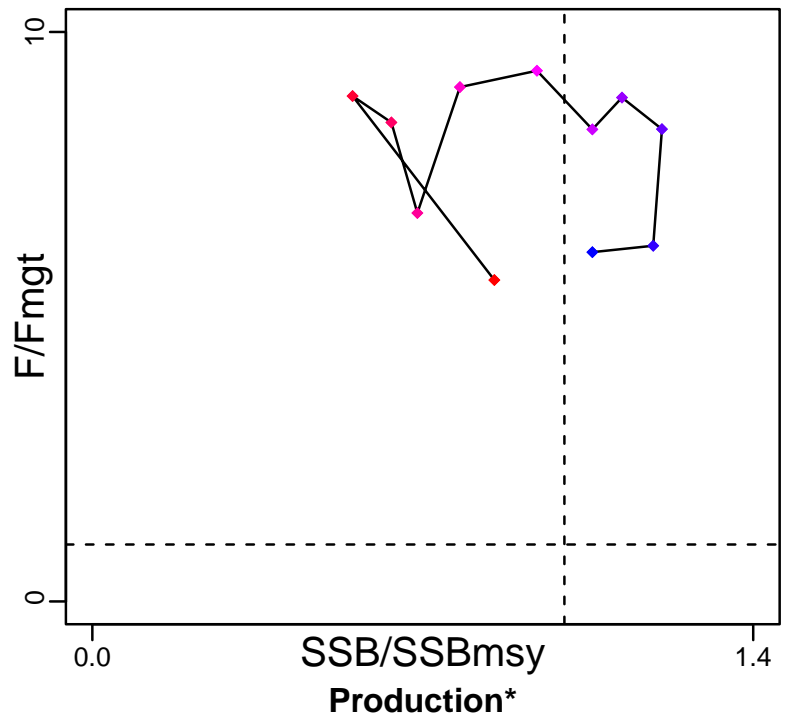
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	431	-	-
TN	-	-	-	-	-
R	R-E00	2019	42,451,480	-	-
F	F-1/yr	2019	0.617	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	245		
TL	TL-MT	2015	355		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	5.644		
ER/ERmgt	-	-	-		

Norway lobster Northern Spain [NEPHMEDGSA6]

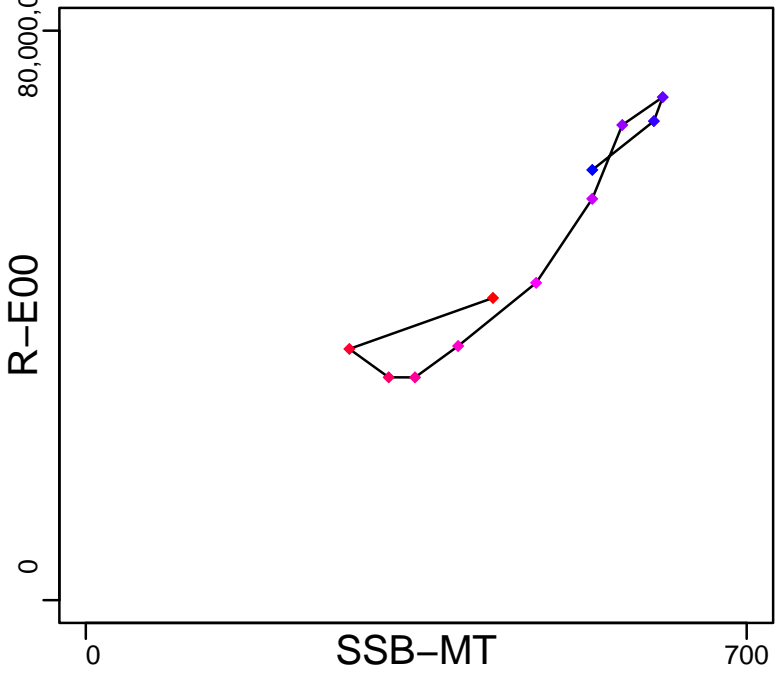
Kobe MSYpref (2009–2019–MEDIMP2021–2)



Kobe MGTpref (2009–2019–MEDIMP2021–2)



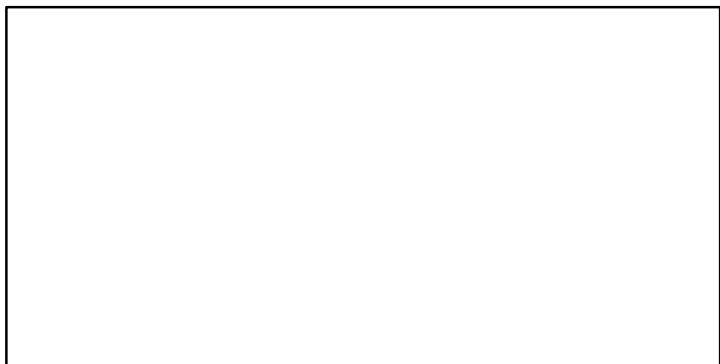
Spawner Recruit (2009–2019–MEDIMP2021–2)



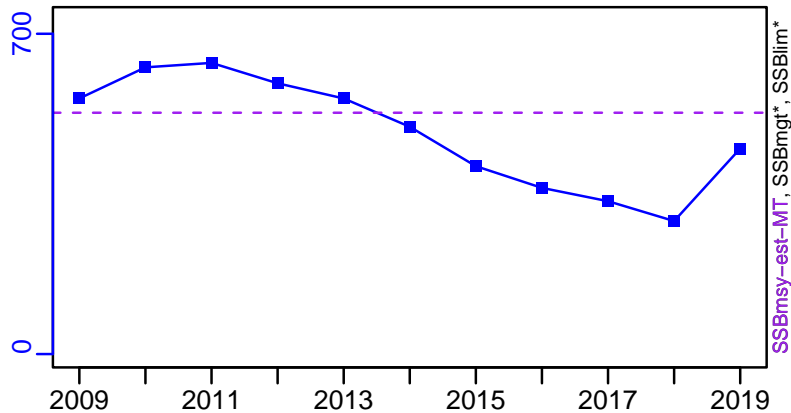
◆ Start Year ◆ End Year * No Data

Norway lobster Northern Spain [NEPHMEDGSA6]

TB*



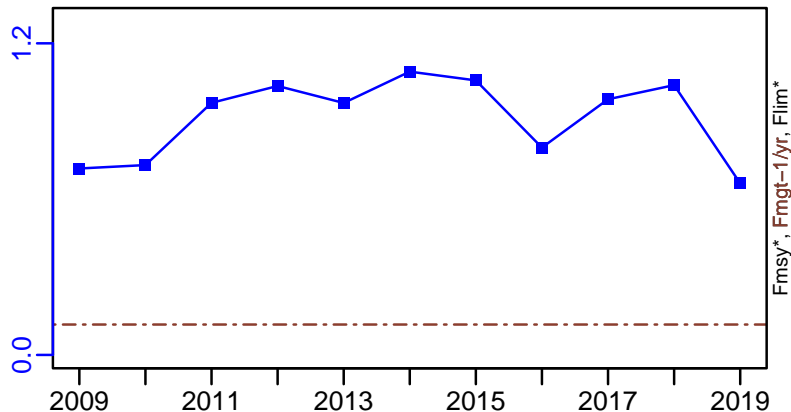
SSB-MT (2009-2019-MEDIMP2021-2)



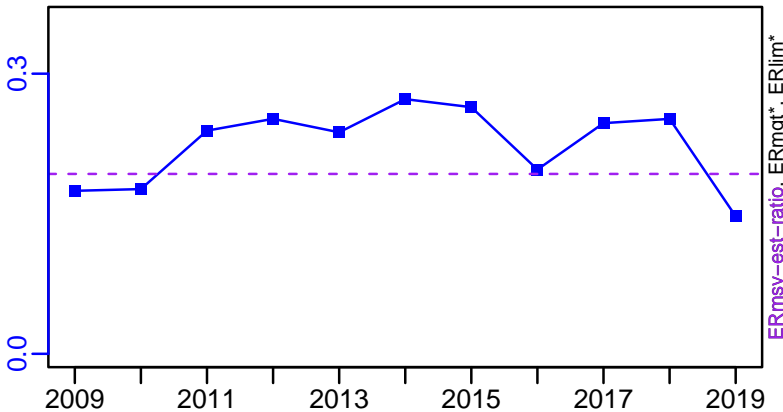
TN *



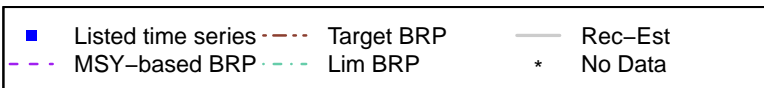
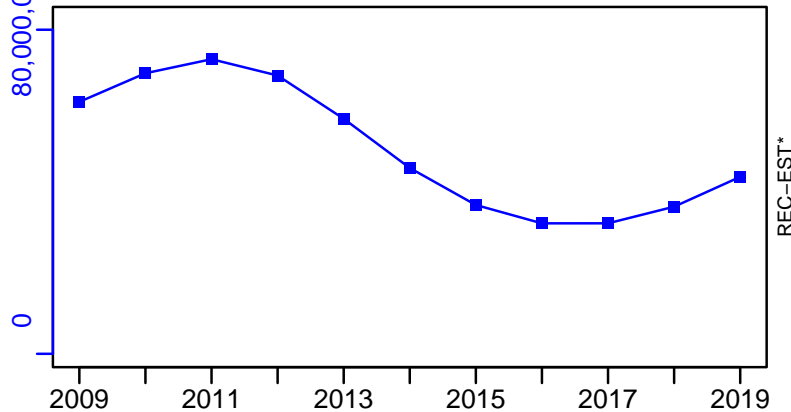
F-1/yr (2009-2019-MEDIMP2021-2)



ER-calc-ratio (2009-2019-MEDIMP2021-2)



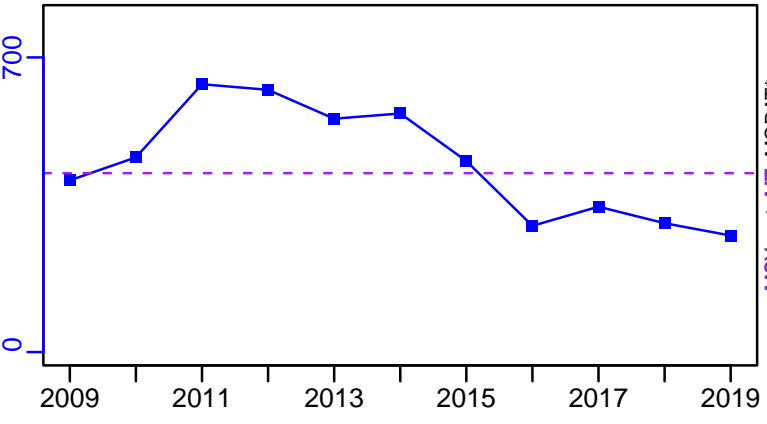
R-E00 (2009-2019-MEDIMP2021-2)



Norway lobster Northern Spain [NEPHMEDGSA6]

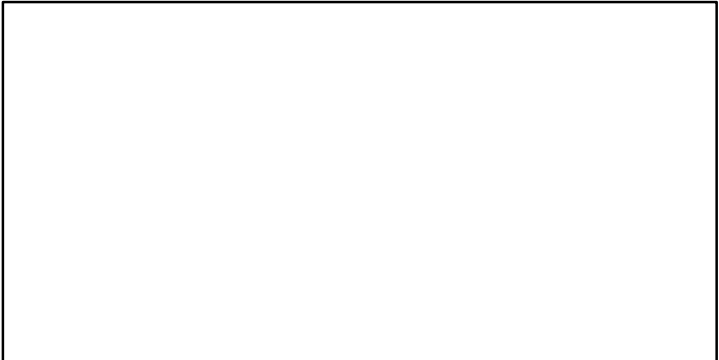
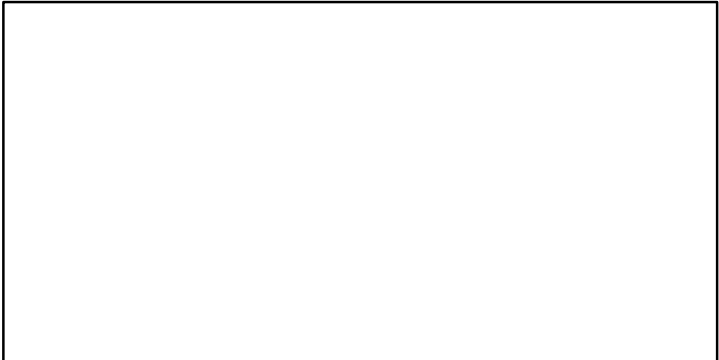
TC-MT, TL*, RecC* (2009-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



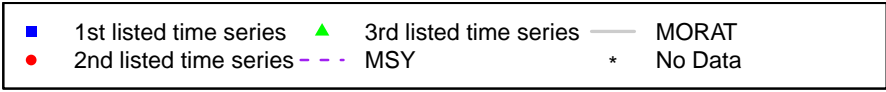
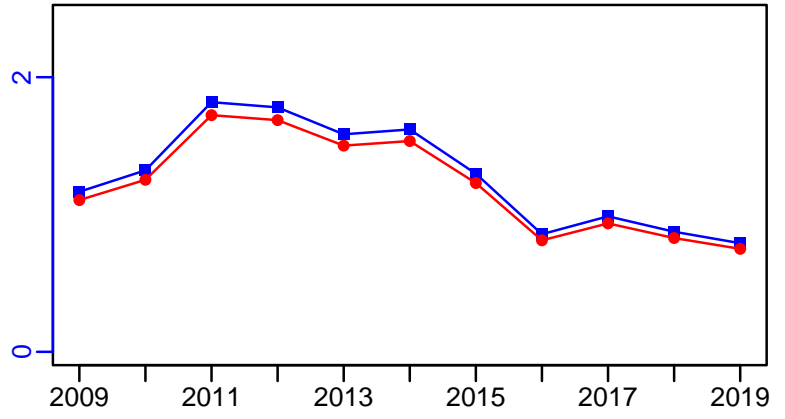
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2009-2019-MEDIMP2021-2)



Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

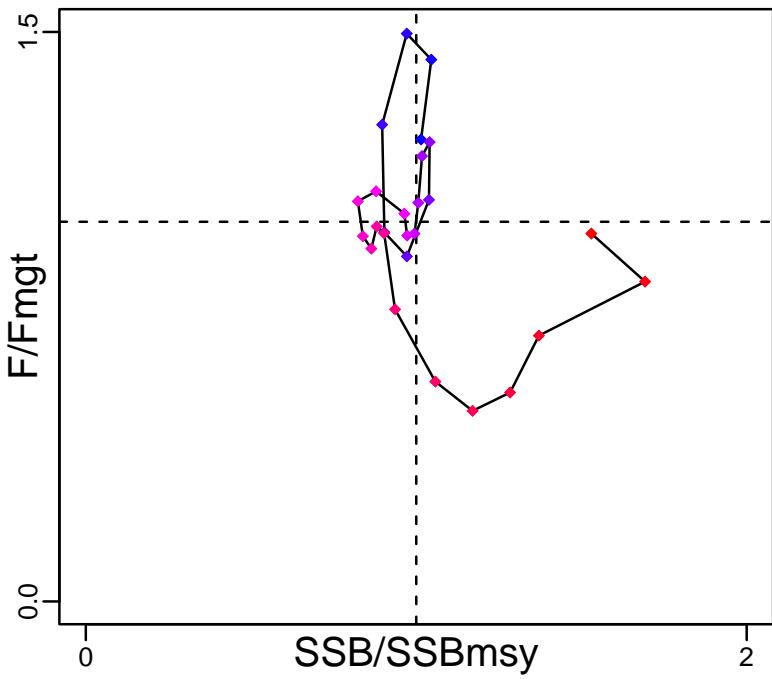
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA9-1994-2019-MEDIMP2021-2
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2015, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.284
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

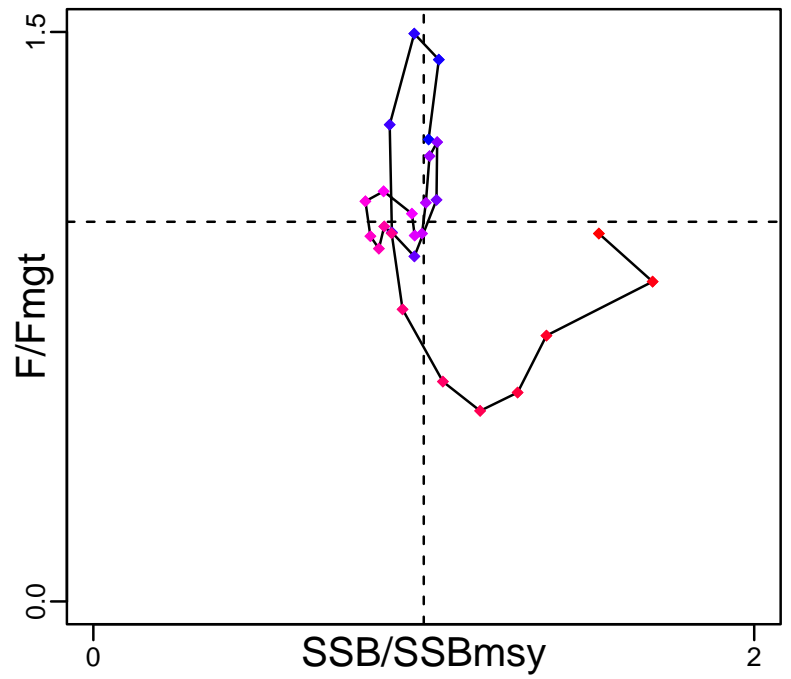
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	638	-	-
SSB	SSB-MT	2019	1056	-	-
TN	-	-	-	-	-
R	R-E00	2019	43,411,451	-	-
F	F-1/yr	2019	0.275	-	-
ER	ER-calc-ratio	2015	0.145	-	-
TC	TC-MT	2019	193		
TL	TL-MT	2015	114		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.969		
ER/ERmgt	-	-	-		

Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

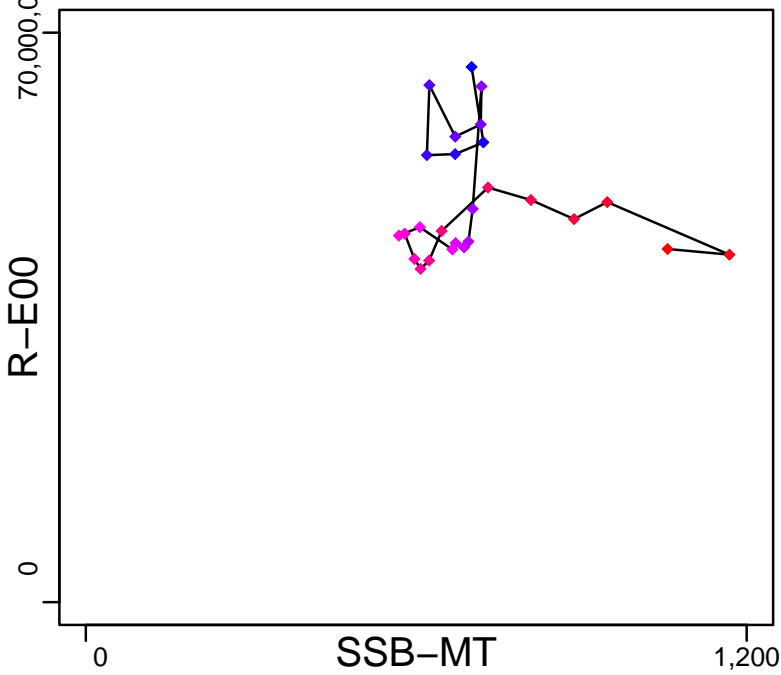
Kobe MSYpref (1994–2019–MEDIMP2021–2)



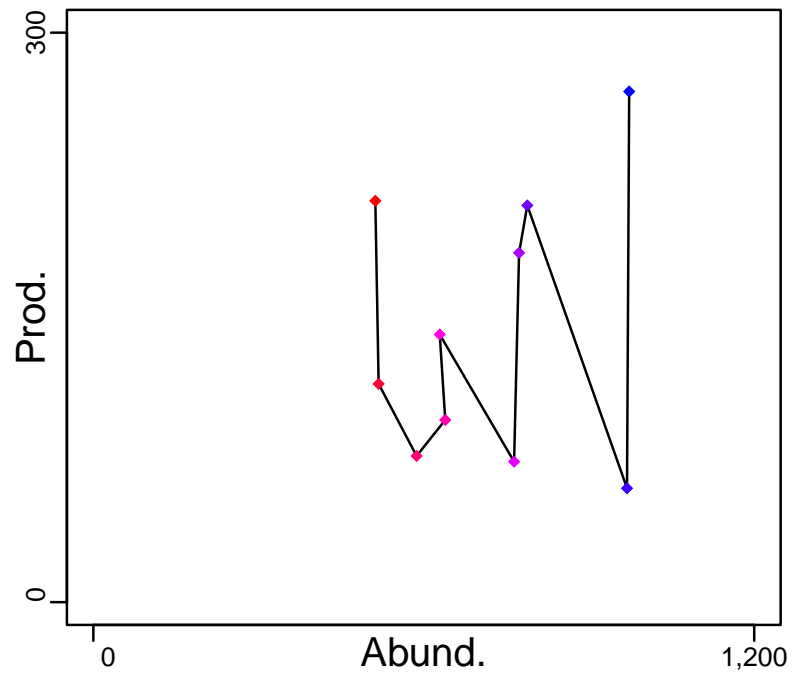
Kobe MGTpref (1994–2019–MEDIMP2021–2)



Spawner Recruit (1994–2019–MEDIMP2021–2)



Production (1994–2019–MEDIMP2021–2)

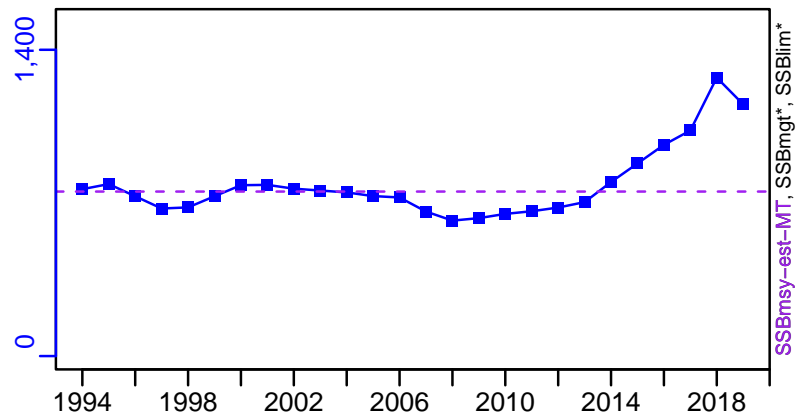
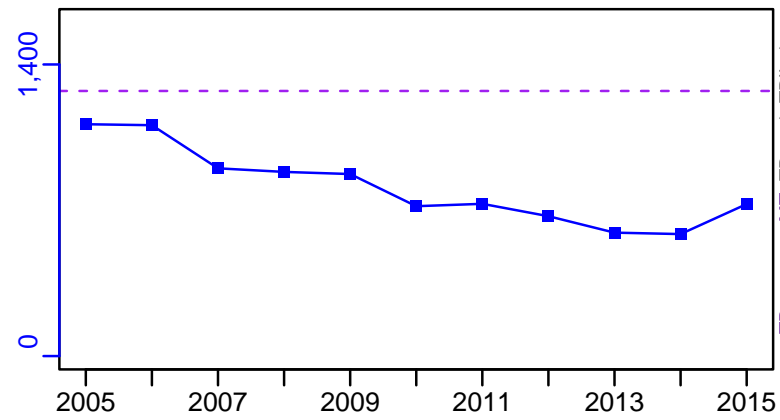


◆ Start Year ◆ End Year * No Data

Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

TB-MT (2005-2015-OSIO)

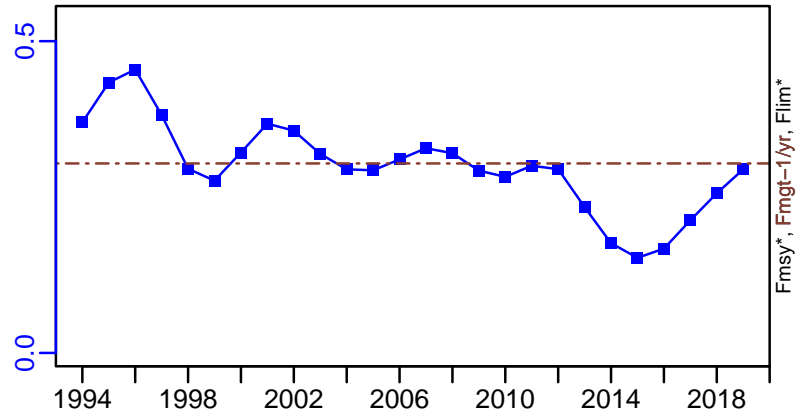
SSB-MT (1994-2019-MEDIMP2021-2)



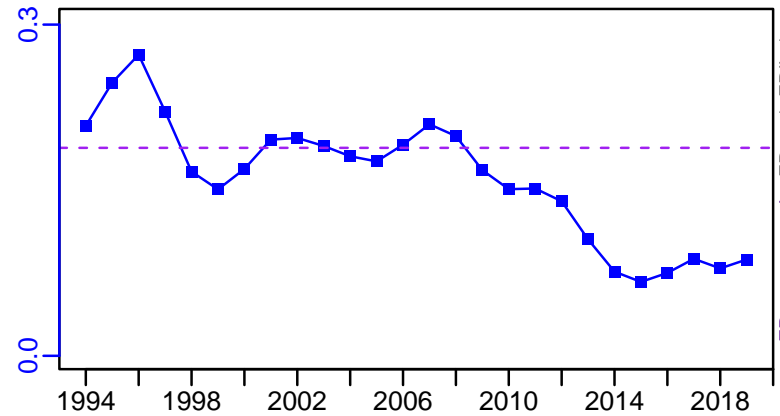
TN *



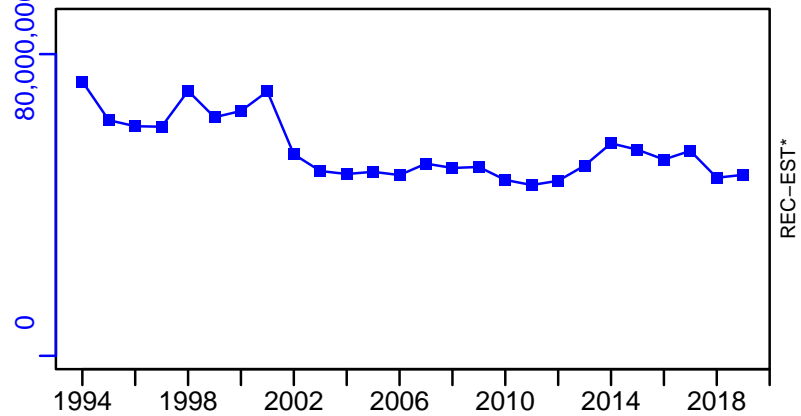
F-1/yr (1994-2019-MEDIMP2021-2)



ER-calc-ratio (1994-2019-MEDIMP2021-2)



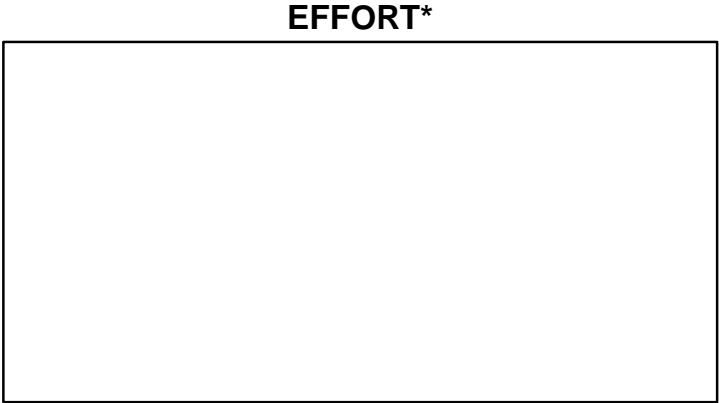
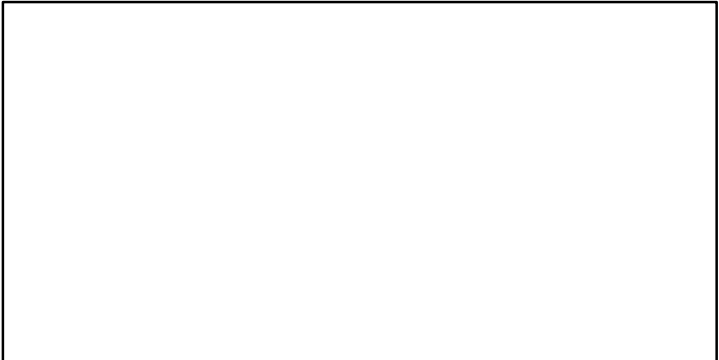
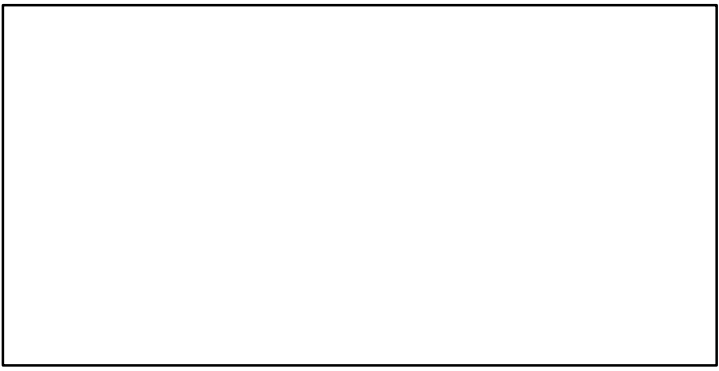
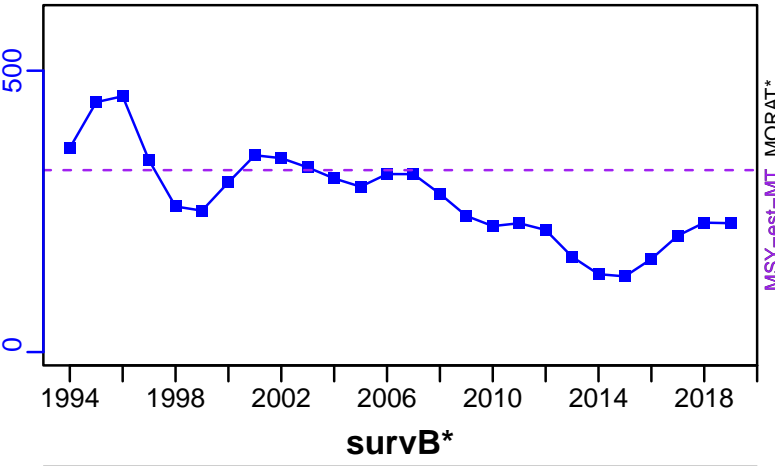
R-E00 (1994-2019-MEDIMP2021-2)



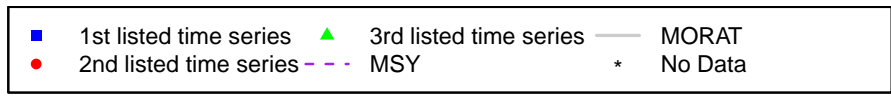
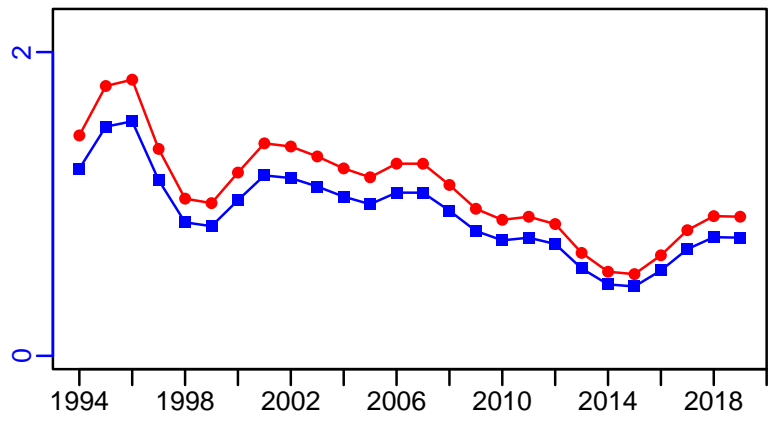
Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

TC-MT, TL*, RecC* (1994-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1994-2019-MEDIMP2021-2)



Picarel Cyprus Island [PICAMEDGSA25]

Metadata	
Scientific Name	Spicara smaris
Current Assess ID	STECF-PICAMEDGSA25-2005-2010-OSIO
Area	Cyprus Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.31
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2010	1350	-	0+
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2010	0.08	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	245		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.258		
ER/ERmgt	-	-	-		

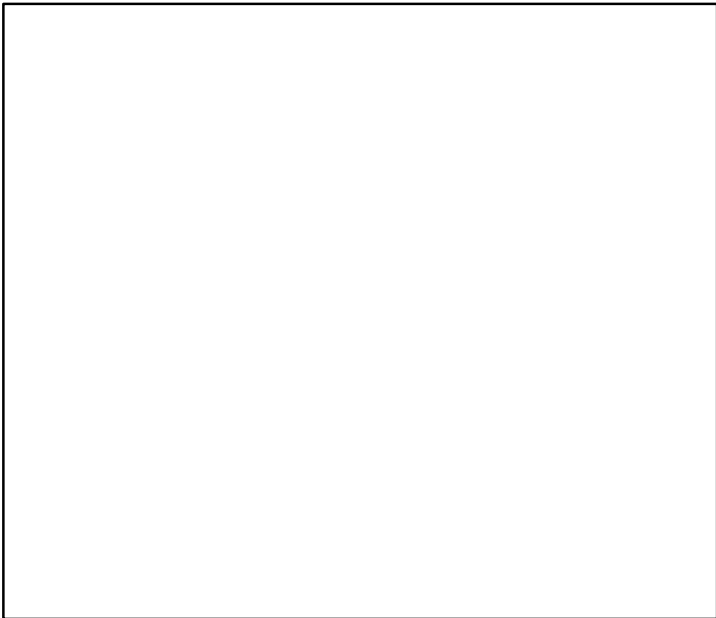
Kobe MSY*



Kobe MGT*



Spawner Recruit*



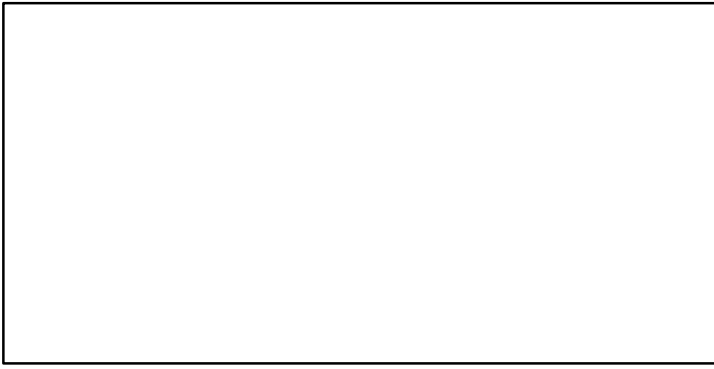
Production*



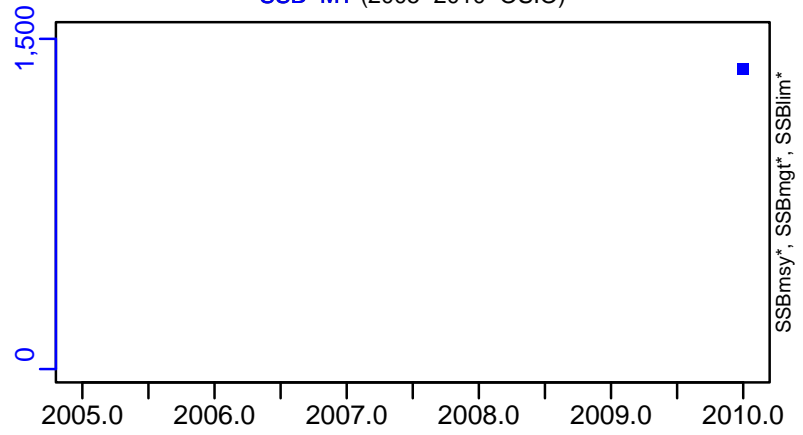
◆ Start Year ◆ End Year * No Data

Picarel Cyprus Island [PICAMEDGSA25]

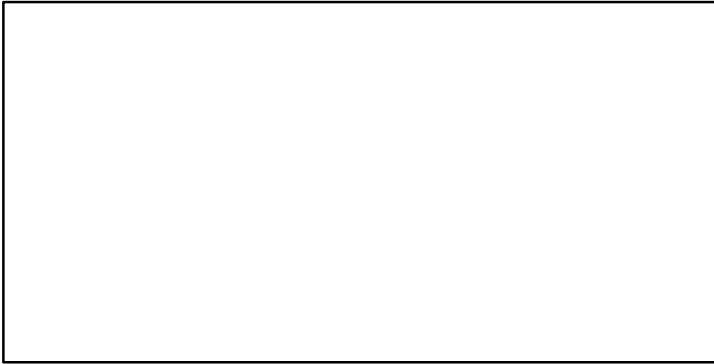
TB*



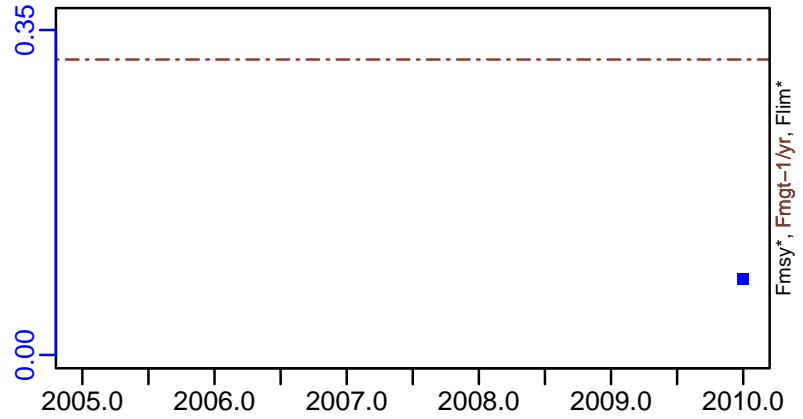
SSB-MT (2005-2010-OSIO)



TN *



F-1/yr (2005-2010-OSIO)



ER*



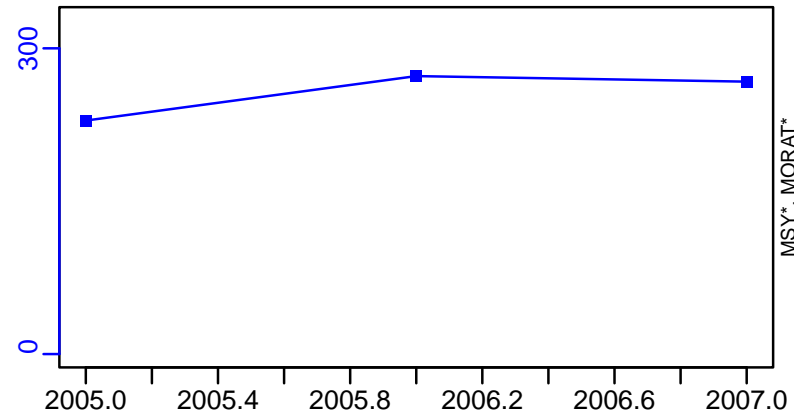
Recruits*



Picarel Cyprus Island [PICAMEDGSA25]

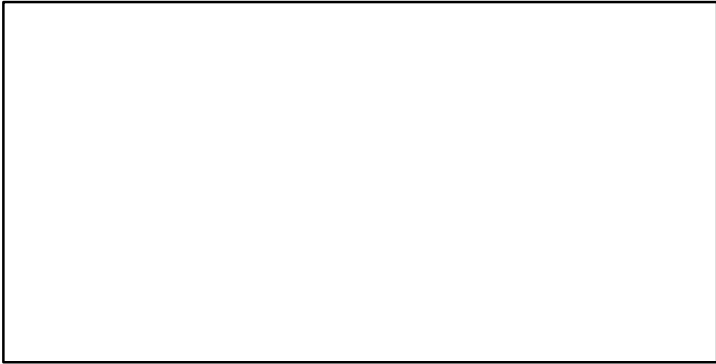
TC-MT, TL*, RecC* (2005-2010-OSIO)

TAC*, Cpair*, Cadv*



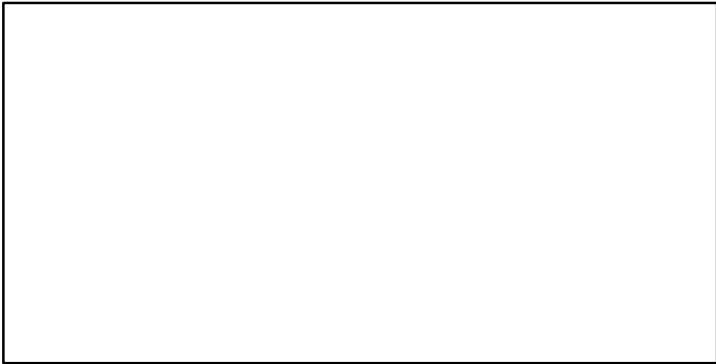
survB*

CPUE*



EFFORT*

CdivMSY*



Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

Metadata	
Scientific Name	Trisopterus minutus
Current Assess ID	STECF-PRCODMEDGSA9-2004-2011-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.74
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	163	-	0+
TN	-	-	-	-	-
R	R-E00	2011	3×10^6	-	-
F	F-1/yr	2011	0.9	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	105		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	1.216		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



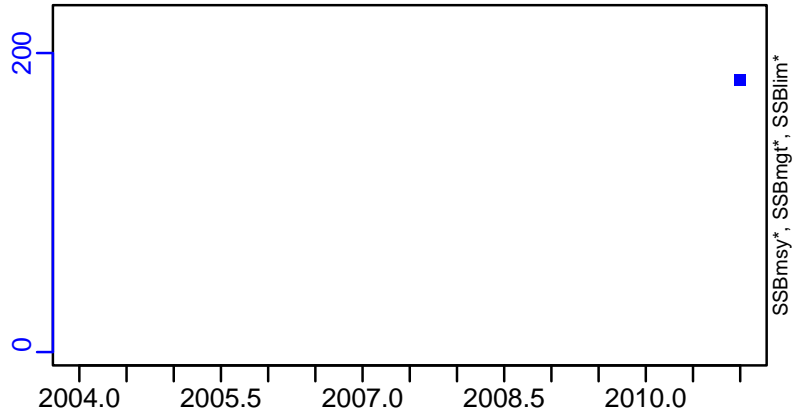
◆ Start Year ◆ End Year * No Data

Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

TB*



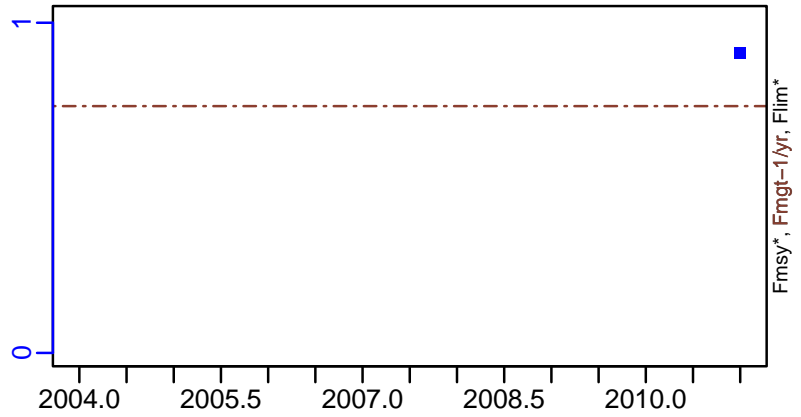
SSB-MT (2004-2011-OSIO)



TN *



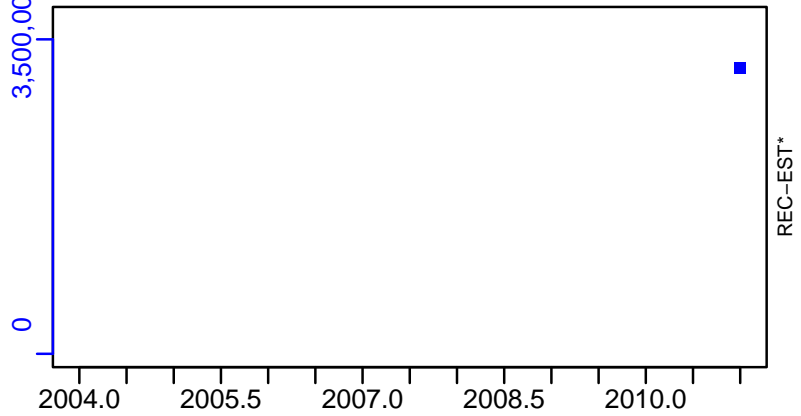
F-1/yr (2004-2011-OSIO)



ER-calc-ratio (2004-2011-OSIO)



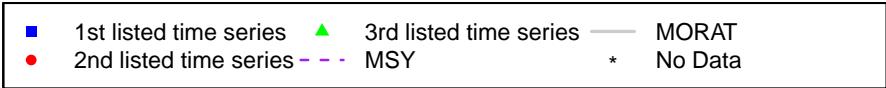
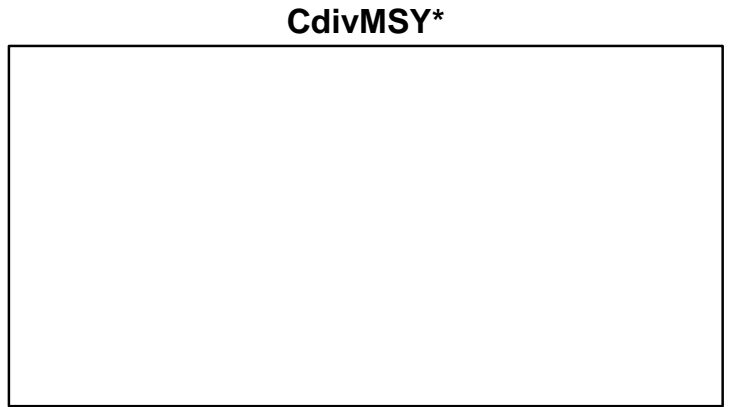
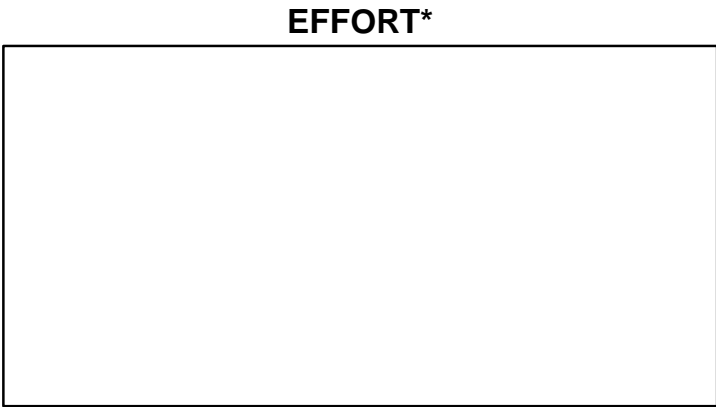
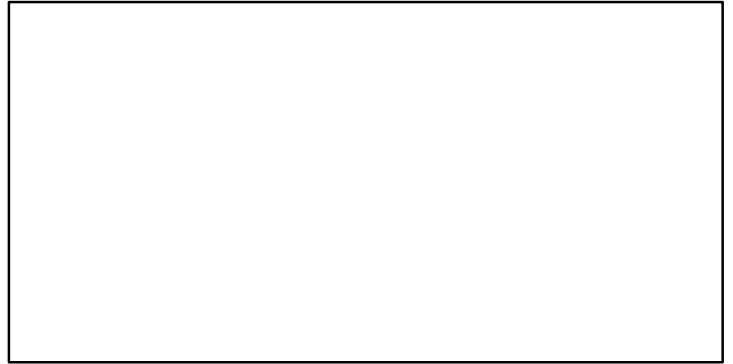
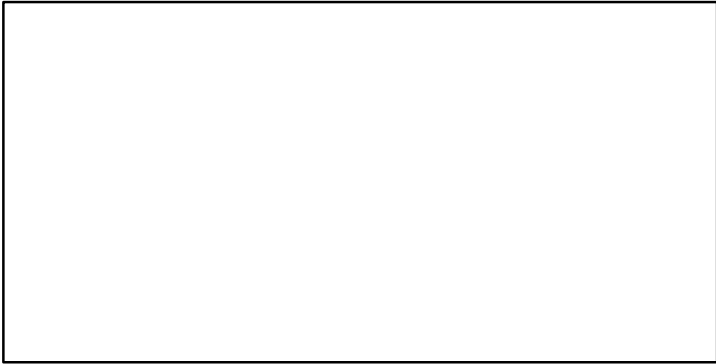
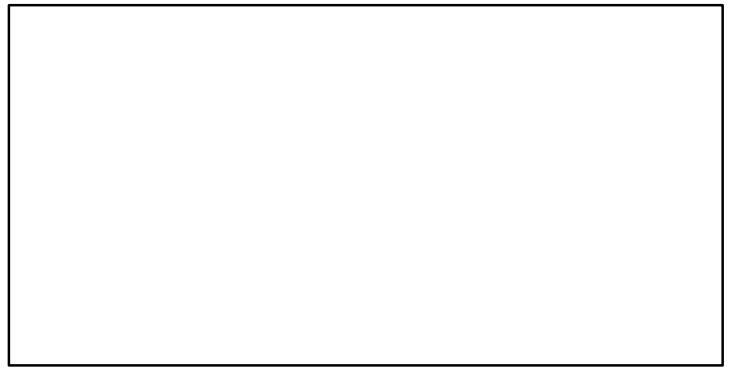
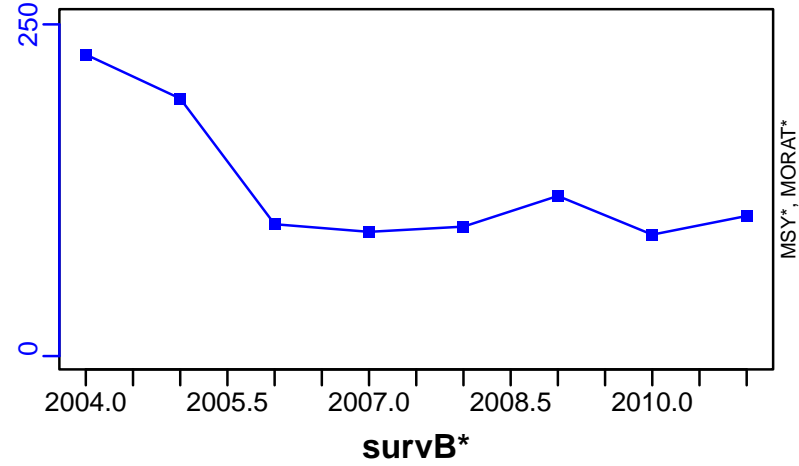
R-E00 (2004-2011-OSIO)



Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

TC-MT, TL*, RecC* (2004-2011-OSIO)

TAC*, Cpair*, Cadv*



Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

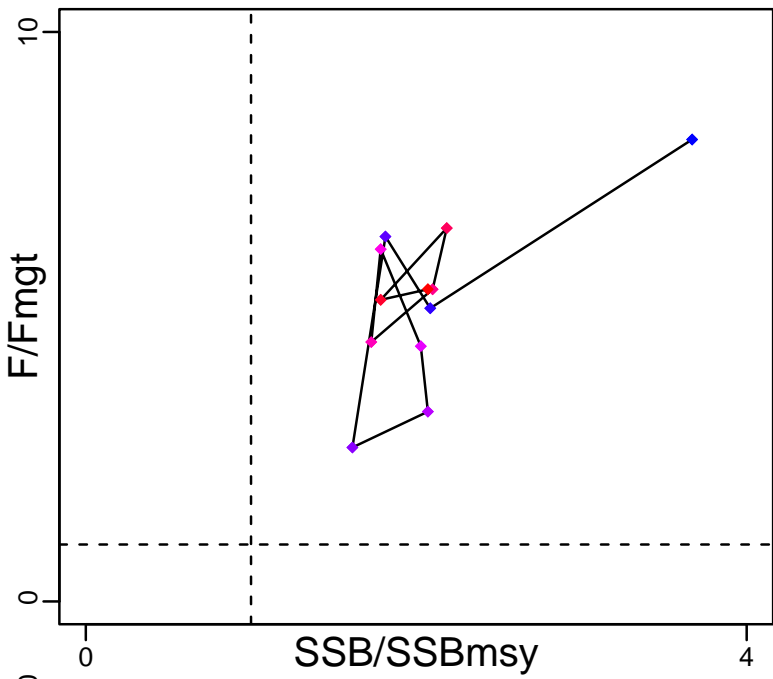
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-PSHRMPMEDGSA6-2001-2012-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

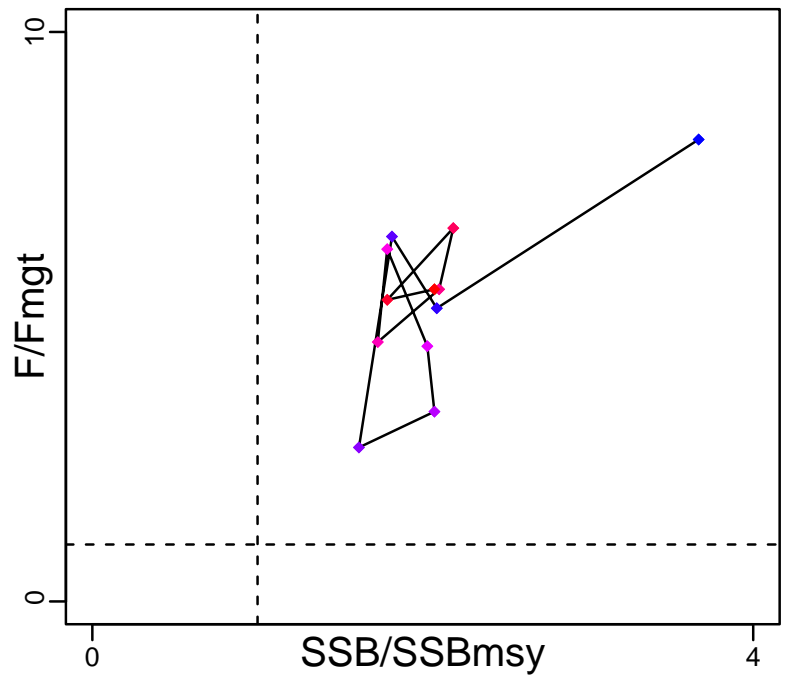
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	145	-	2+
TN	-	-	-	-	-
R	R-E00	2012	1.26×10^8	-	-
F	F-1/yr	2012	1.48	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	120		
TL	TL-MT	2011	92		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	5.481		
ER/ERmgt	-	-	-		

Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

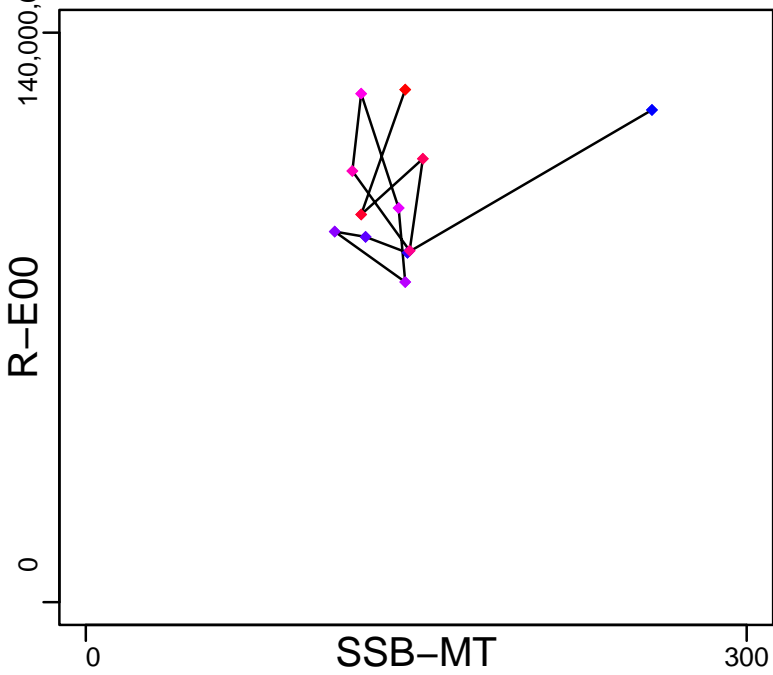
Kobe MSYpref (2001–2012–OSIO)



Kobe MGTpref (2001–2012–OSIO)



Spawner Recruit (2001–2012–OSIO)



Production*



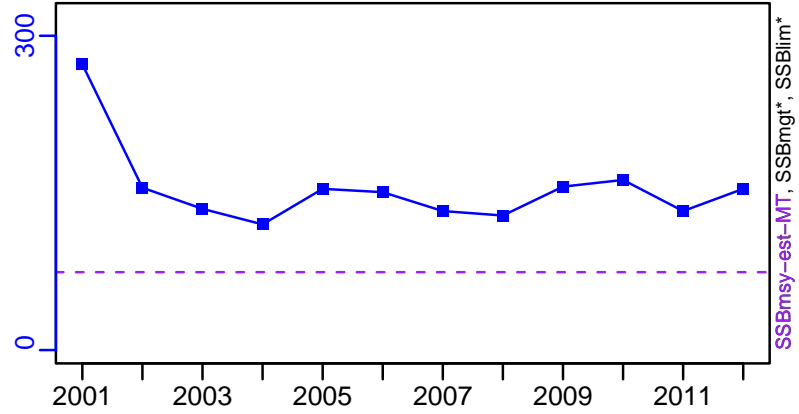
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

TB*



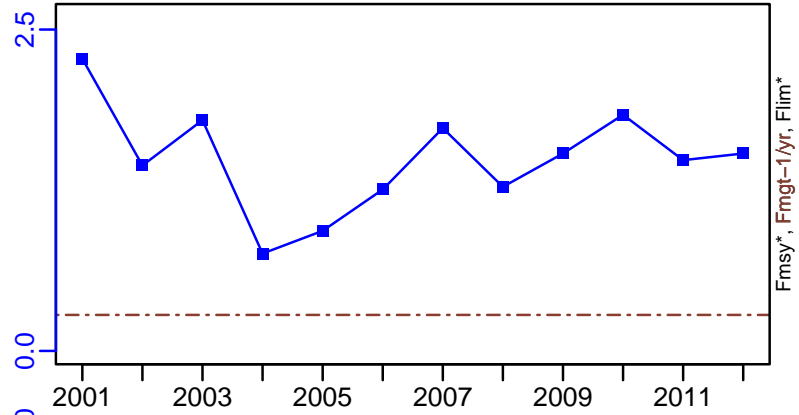
SSB-MT (2001-2012-OSIO)



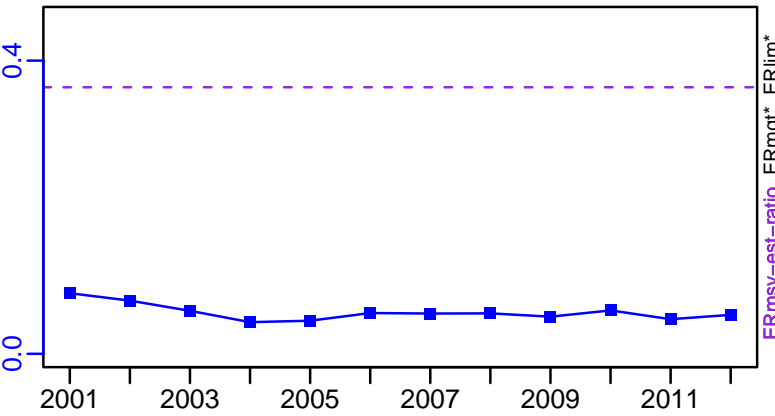
TN *



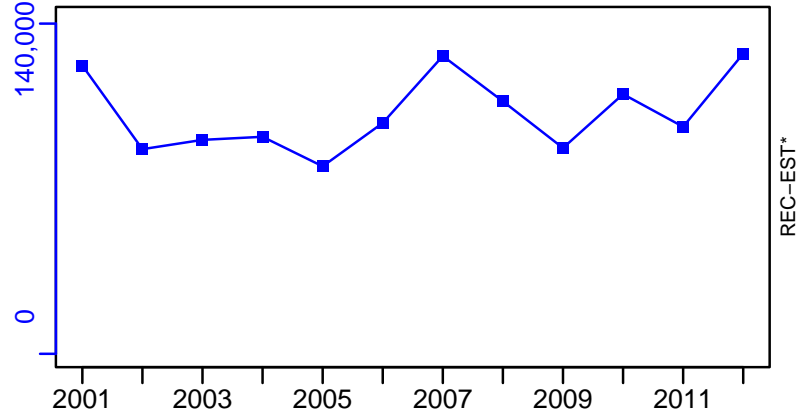
F-1/yr (2001-2012-OSIO)



ER-calc-ratio (2001-2012-OSIO)



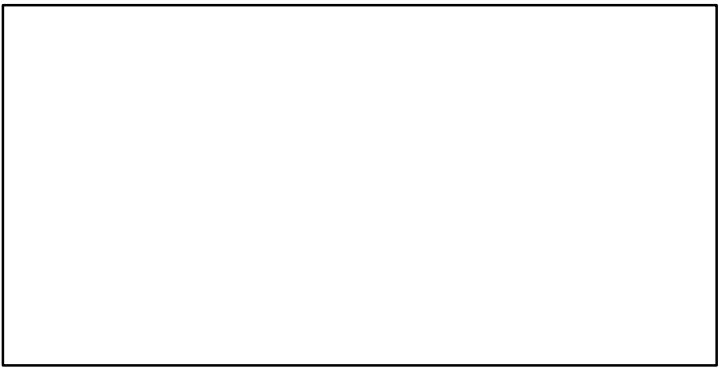
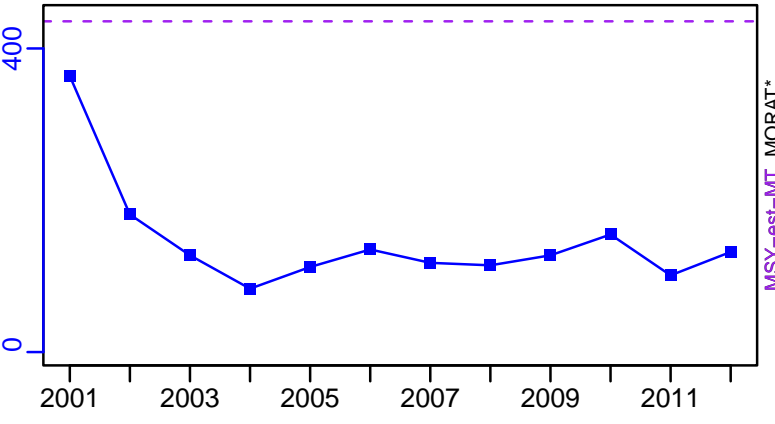
R-E00 (2001-2012-OSIO)



Deep water rose shrimp Northern Spain [PSHRMPMEDGSA6]

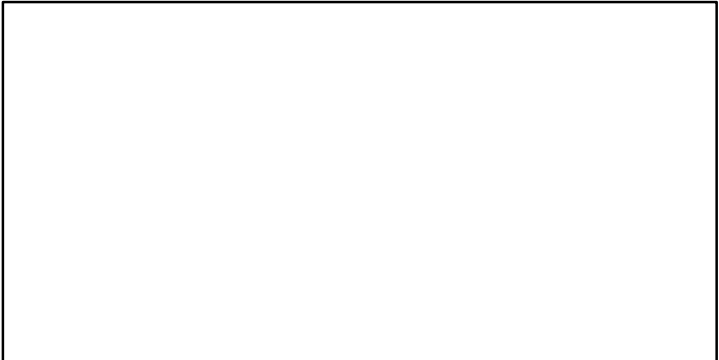
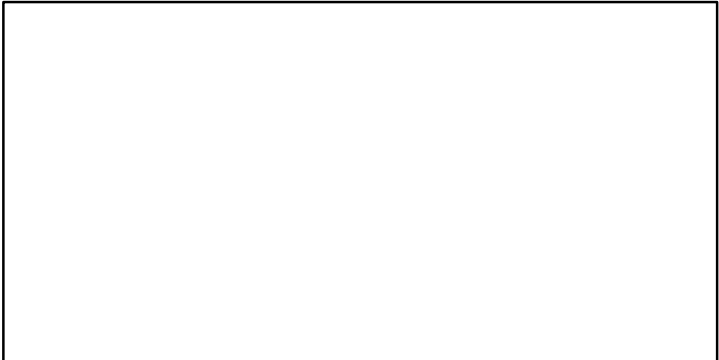
TC-MT, TL*, RecC* (2001-2012-OSIO)

TAC*, Cpair*, Cadv*



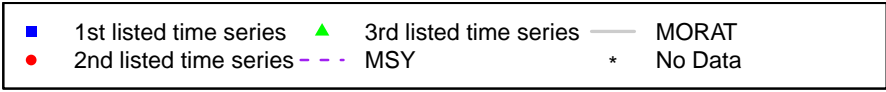
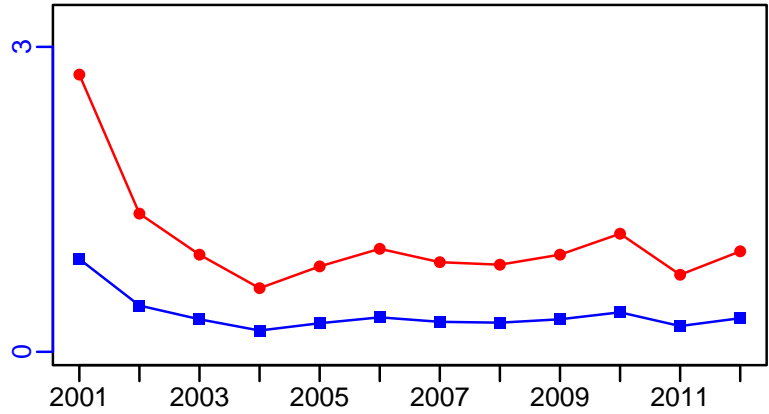
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2001-2012-OSIO)



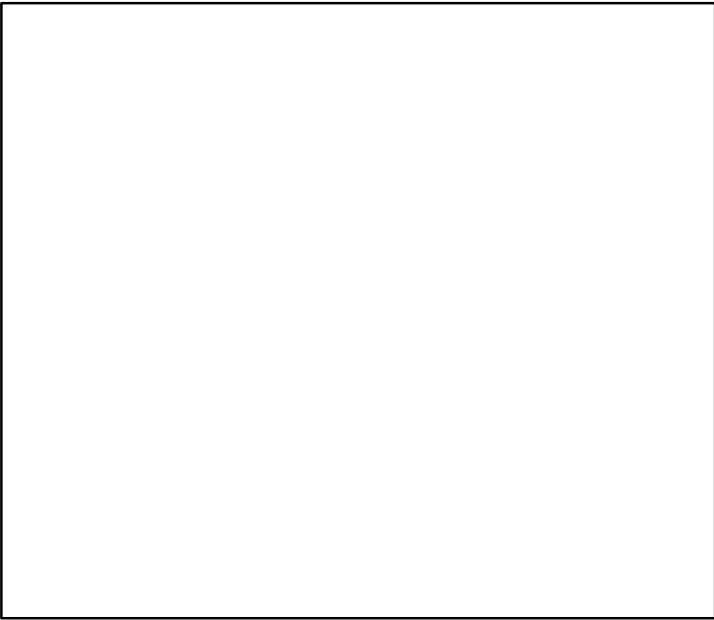
Red seabream Alboran Island Sea (GSA 1,3) [RBRMMEDGSA1-3]

Metadata	
Scientific Name	Pagellus bogaraveo
Current Assess ID	GRP7-RBRMMEDGSA1-3-2009-2011-BANOBI
Area	Alboran Island Sea (GSA 1,3)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	INRH-NADOR, IEO-MALAGA
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERMgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.2
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0.194	-	2 to 6
ER	-	-	-	-	-
TC	TC-MT	2011	258		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERMgt	-	-	-		

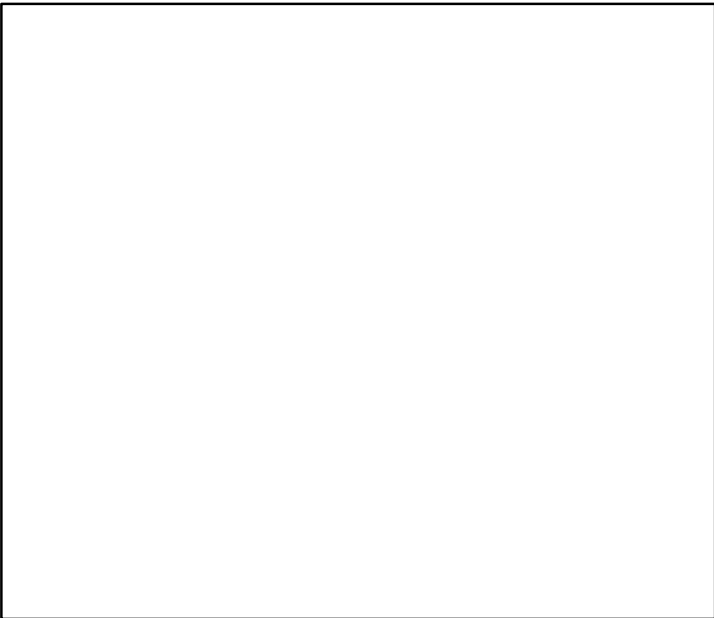
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red seabream Alboran Island Sea (GSA 1,3) [RBRMMEDGSA1-3]

TB*



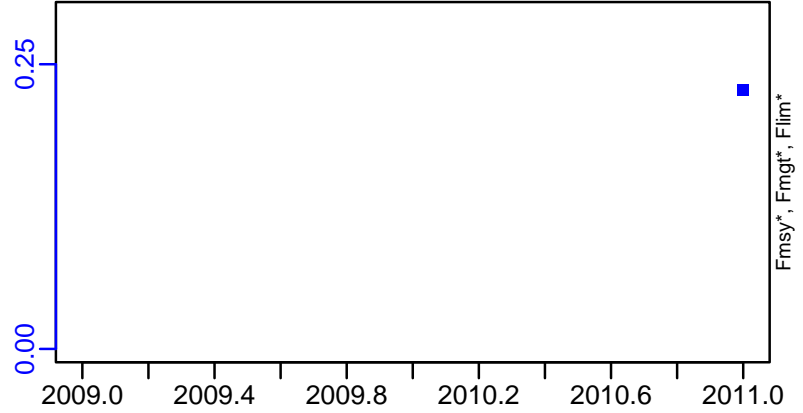
SSB*



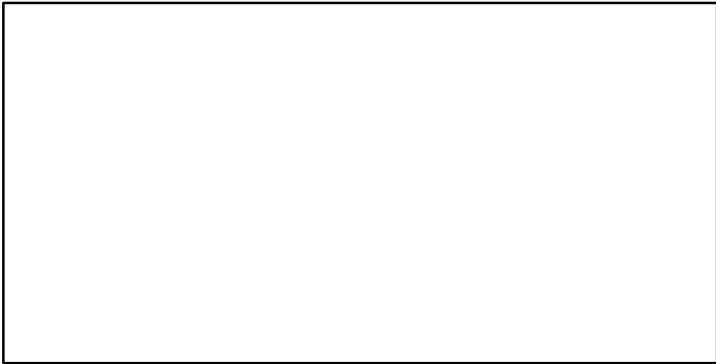
TN *



F-1/yr (2009-2011-BANOBI)



ER*



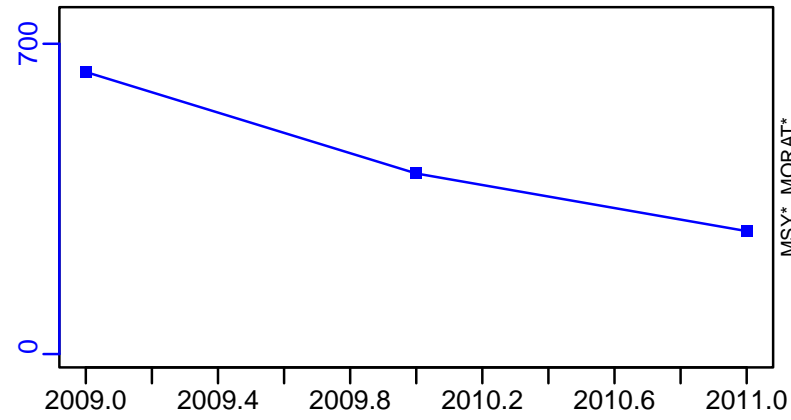
Recruits*



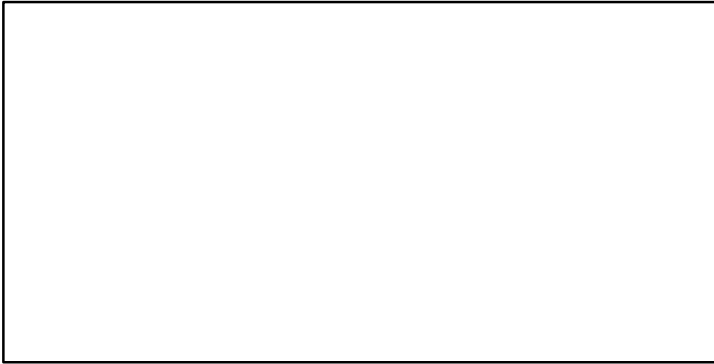
Red seabream Alboran Island Sea (GSA 1,3) [RBRMMEDGSA1-3]

TC-MT, TL*, RecC* (2009-2011-BANOBI)

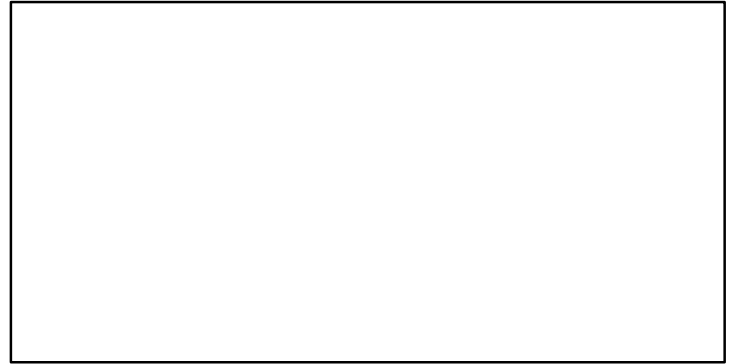
TAC*, Cpair*, Cadv*



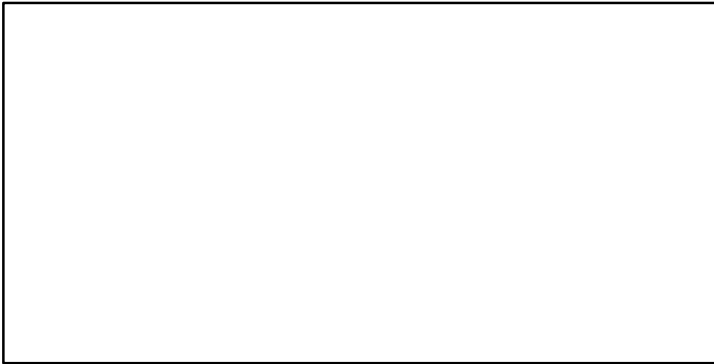
survB*



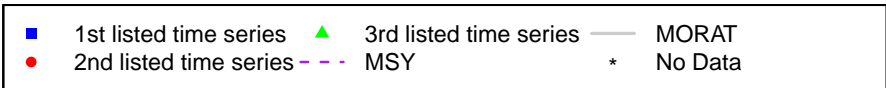
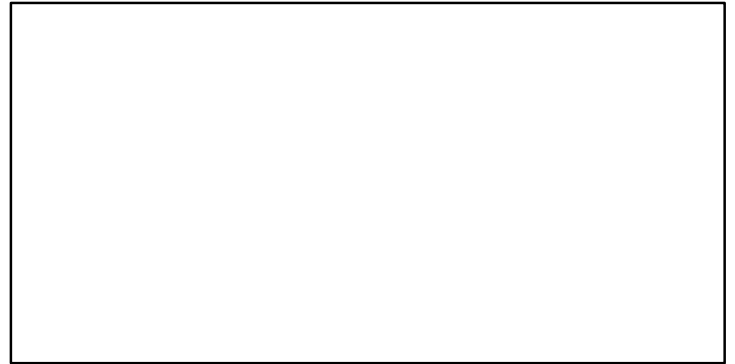
CPUE*



EFFORT*



CdivMSY*



Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

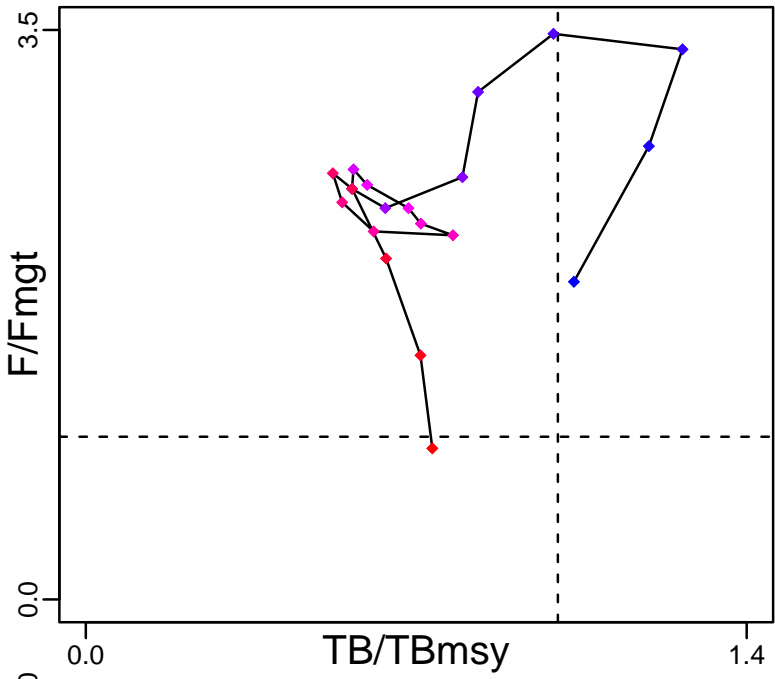
Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	WGSAD-RDSHRMPMEDGSA1-2002-2021-HIVELY
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2014, 2019, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.42
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	1287
Flim	-	-	-
ERlim	-	-	-

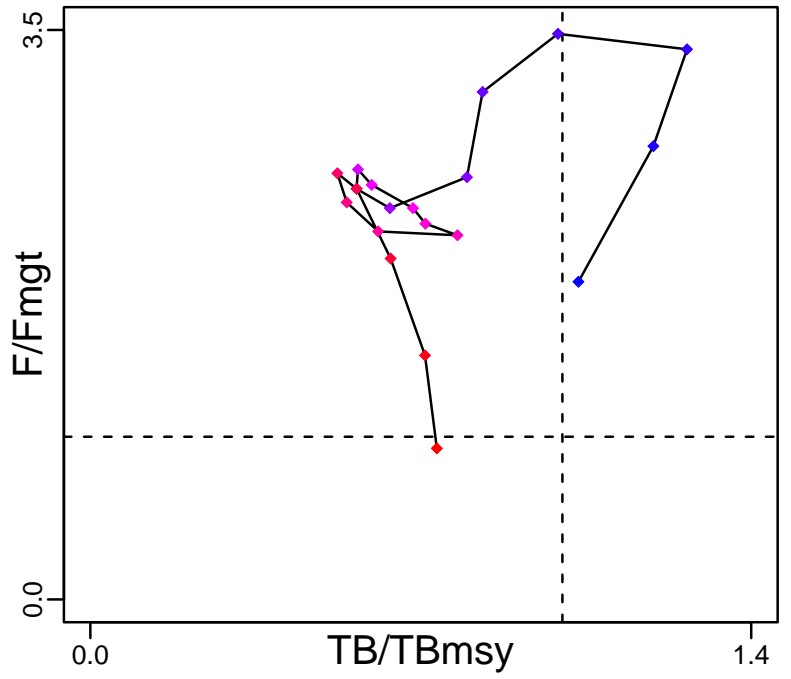
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	717	-	-
SSB	SSB-MT	2021	322	-	-
TN	-	-	-	-	-
R	R-E00	2021	79,270,000	-	0
F	F-1/yr	2021	0.39	-	-
ER	ER-calc-ratio	2021	0.121	-	-
TC	TC-MT	2021	87		
TL	TL-MT	2021	87		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.929		
ER/ERmgt	-	-	-		

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

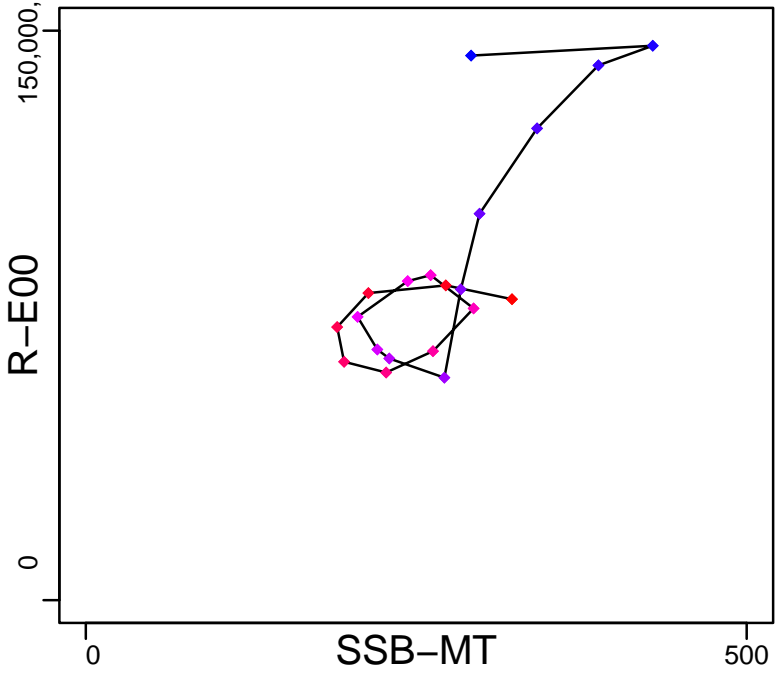
Kobe MSYpref (2002–2021–HIVELY)



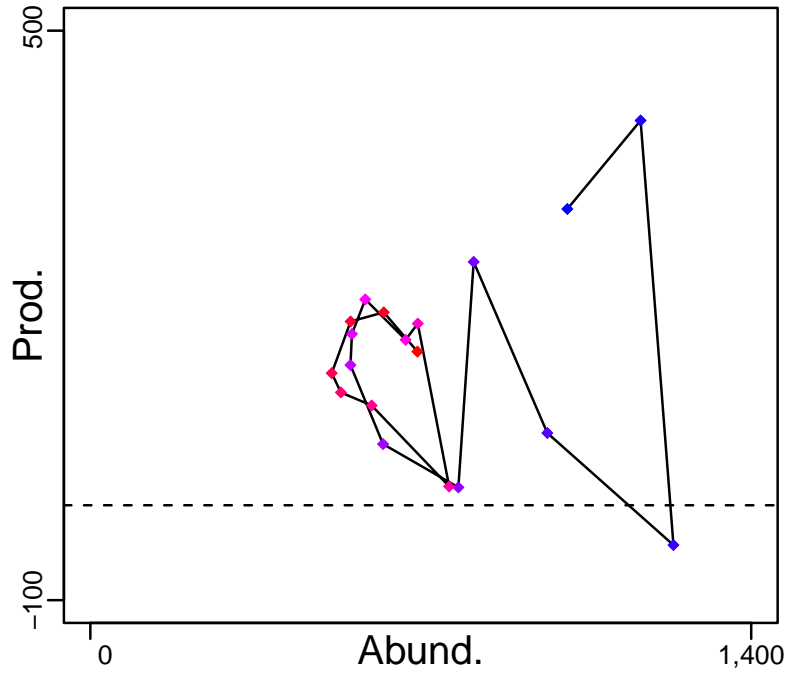
Kobe MGTpref (2002–2021–HIVELY)



Spawner Recruit (2002–2021–HIVELY)



Production (2002–2021–HIVELY)

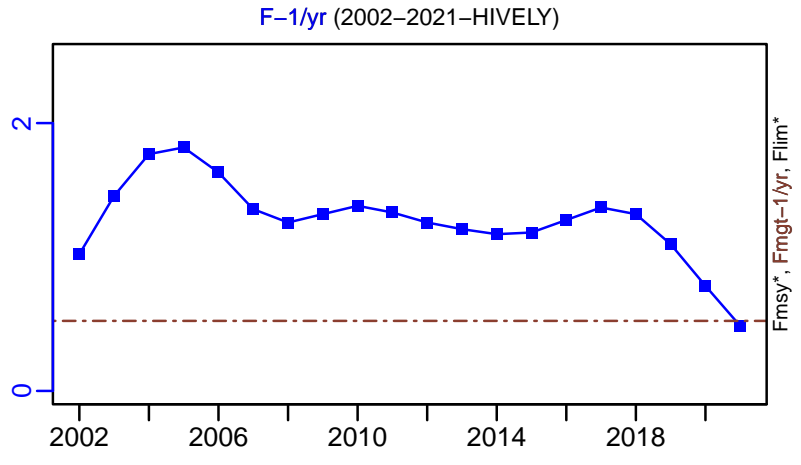
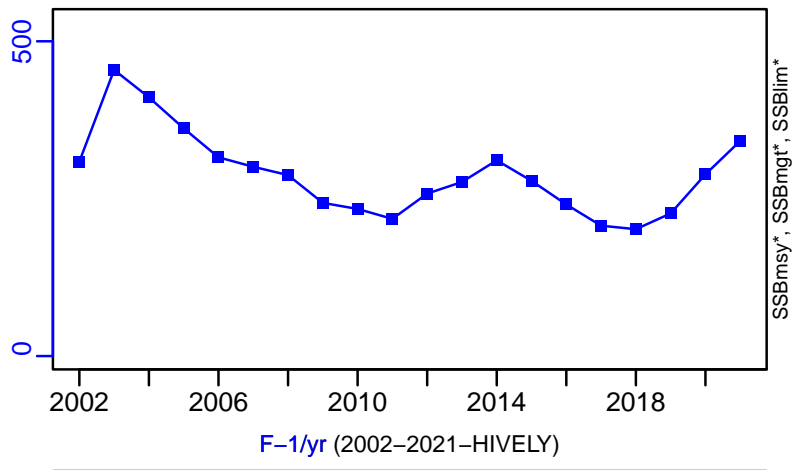
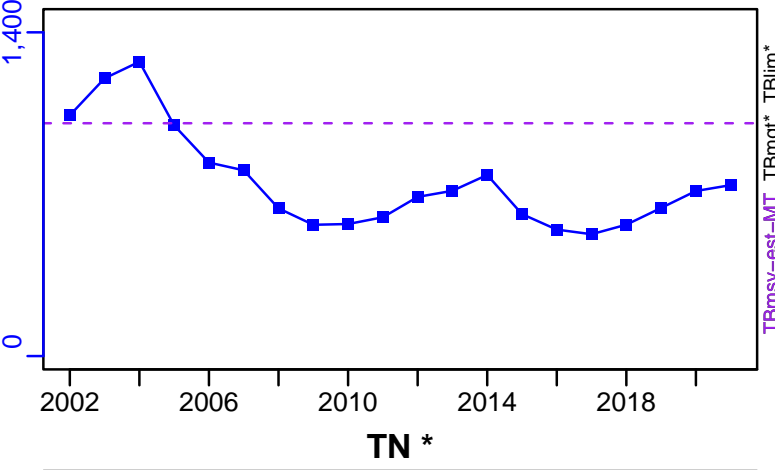


◆ Start Year ◆ End Year * No Data

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

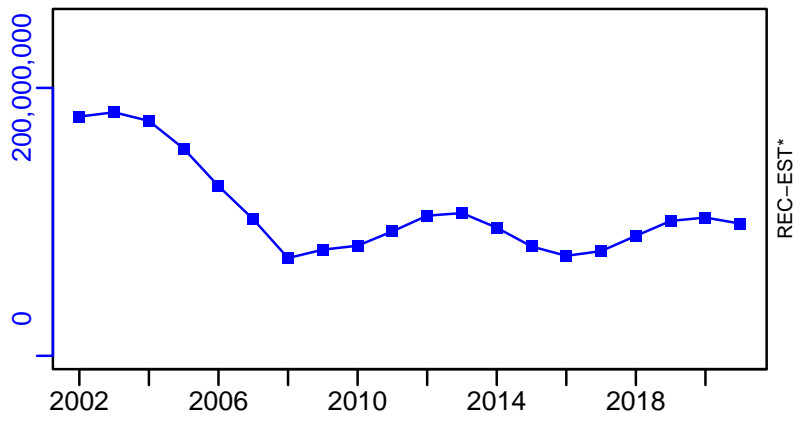
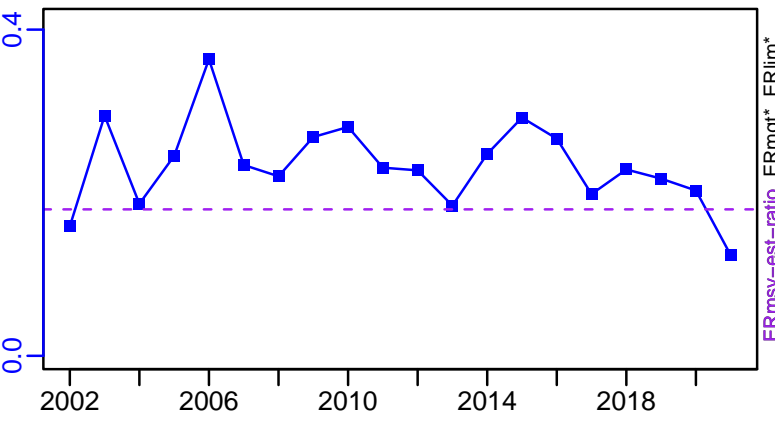
TB-MT (2002-2021-HIVELY)

SSB-MT (2002-2021-HIVELY)



ER-calc-ratio (2002-2021-HIVELY)

R-E00 (2002-2021-HIVELY)

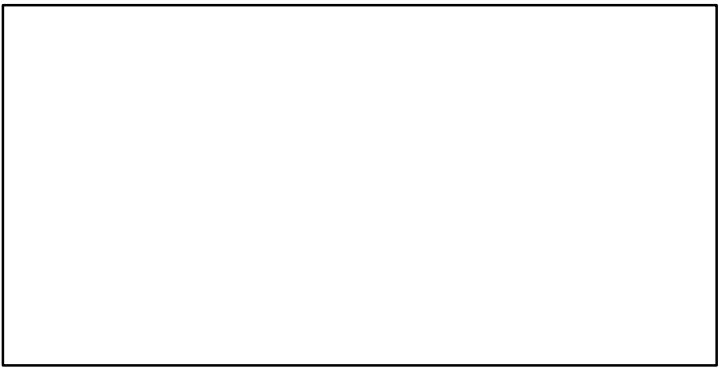
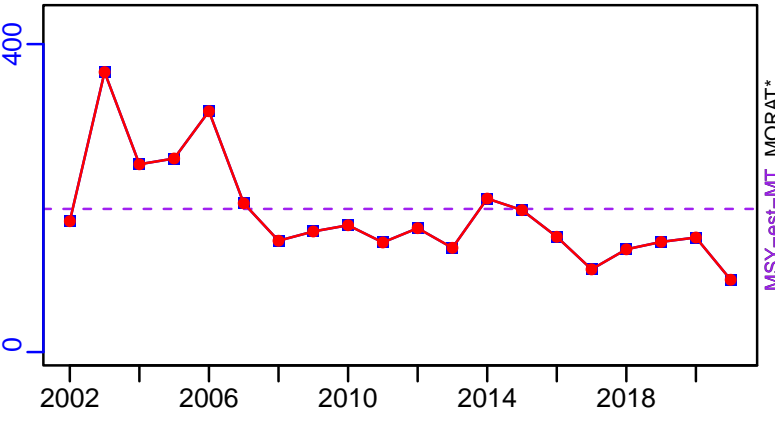


■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	- - - Lim BRP	* No Data

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

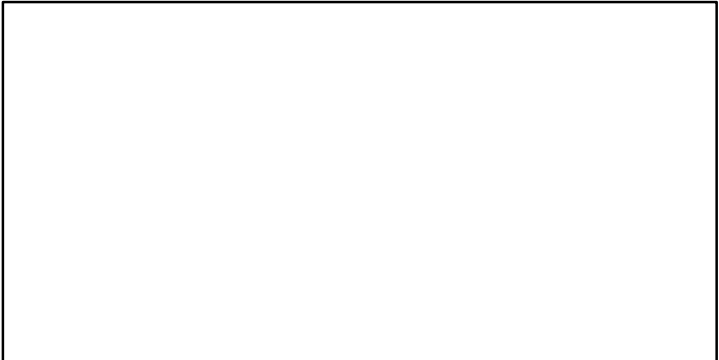
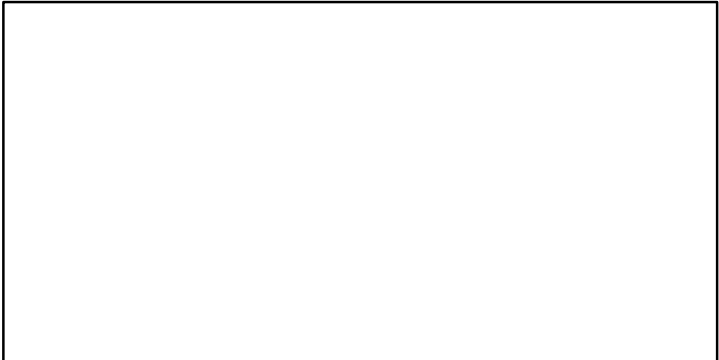
TC-MT, TL-MT, RecC* (2002-2021-HIVELY)

TAC*, Cpair*, Cadv*



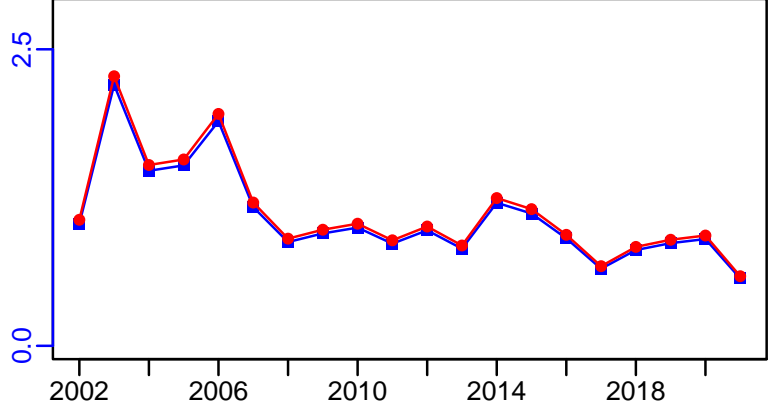
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2021-HIVELY)



- 1st listed time series ▲ 3rd listed time series — MORAT
- 2nd listed time series - - - MSY * No Data

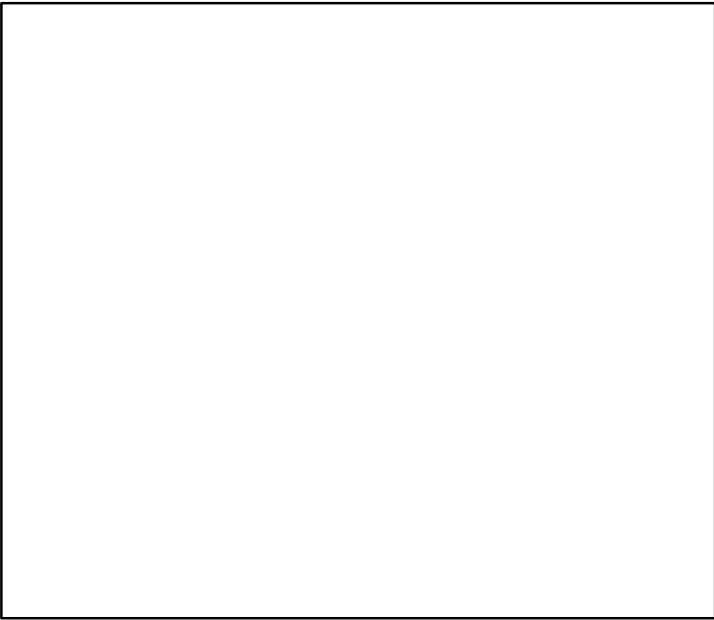
Red shrimp Malta Island and South of Sicily (GSA 15, 16)
[RDSHRMPMEDGSA15-16]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA15-16-2009-2012-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	94		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

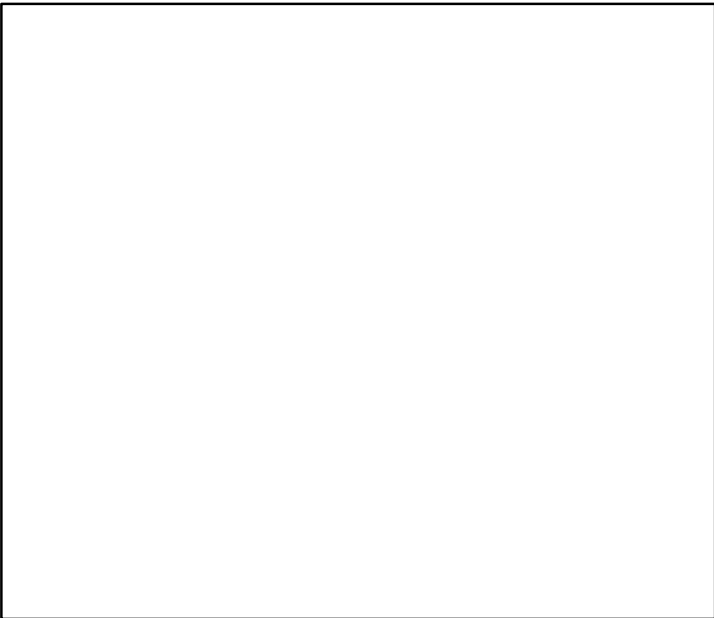
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red shrimp Malta Island and South of Sicily (GSA 15, 16) [RDSHRMPMEDGSA15-16]

TB*



SSB*



TN *



F*



ER*



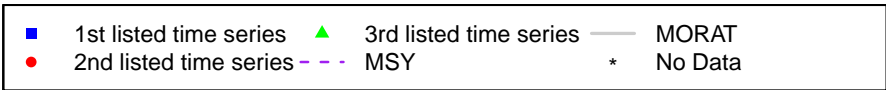
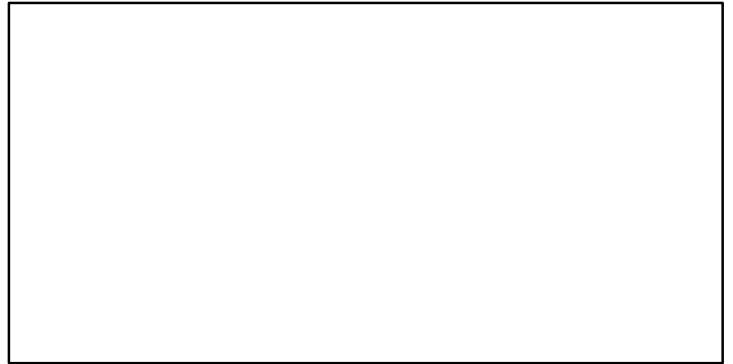
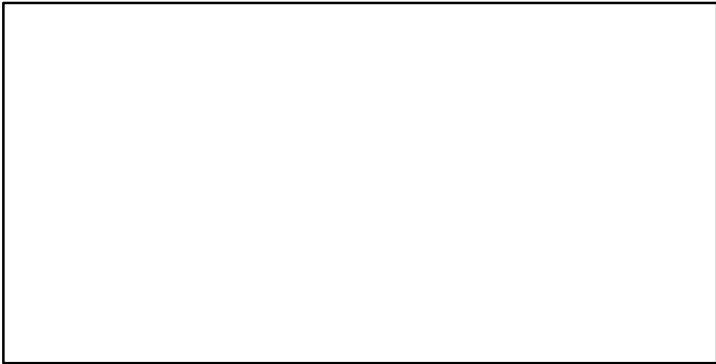
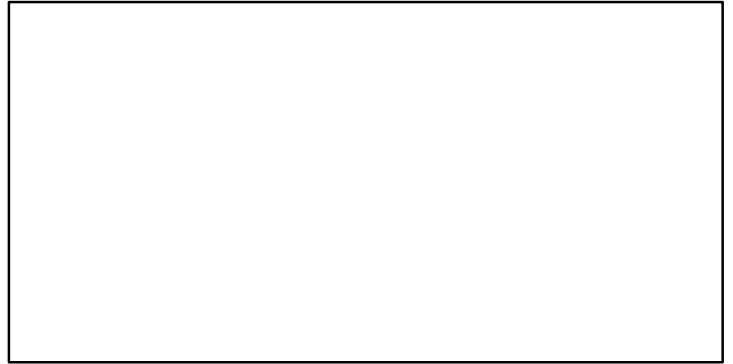
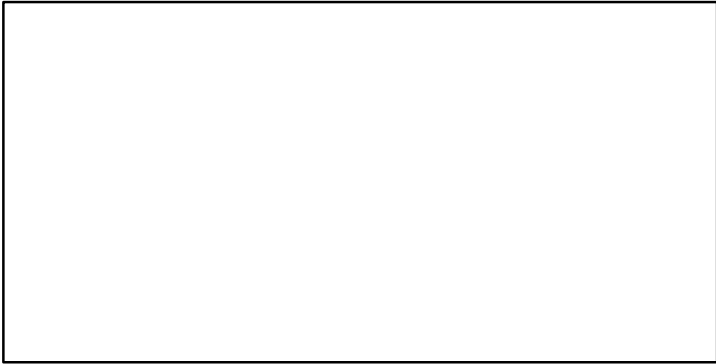
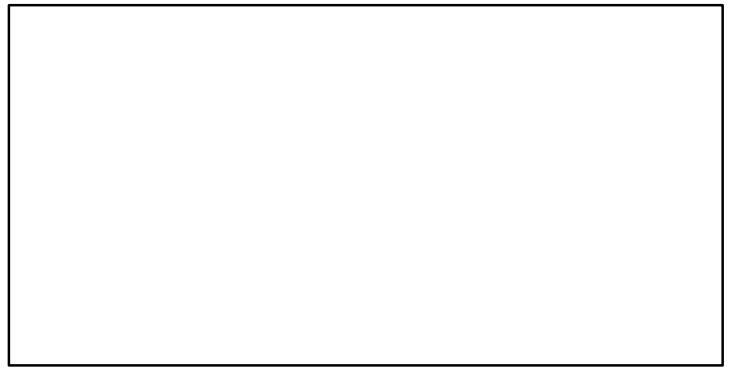
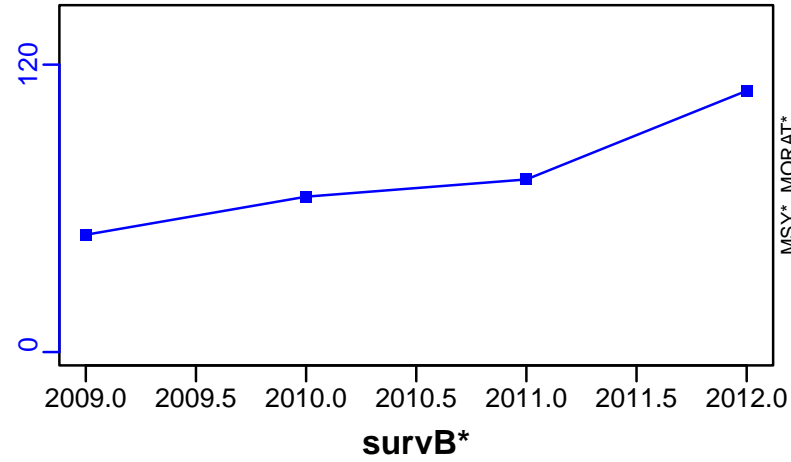
Recruits*



Red shrimp Malta Island and South of Sicily (GSA 15, 16) [RDSHRMPMEDGSA15-16]

TC-MT, TL*, RecC* (2009-2012-OSIO)

TAC*, Cpair*, Cadv*



Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA6-7-2002-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 6-7
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.288
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	348	-	-
TN	-	-	-	-	-
R	R-E00	2019	678,770,728	-	-
F	F-1/yr	2019	1.305	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	566		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	4.538		
ER/ERmgt	-	-	-		

Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

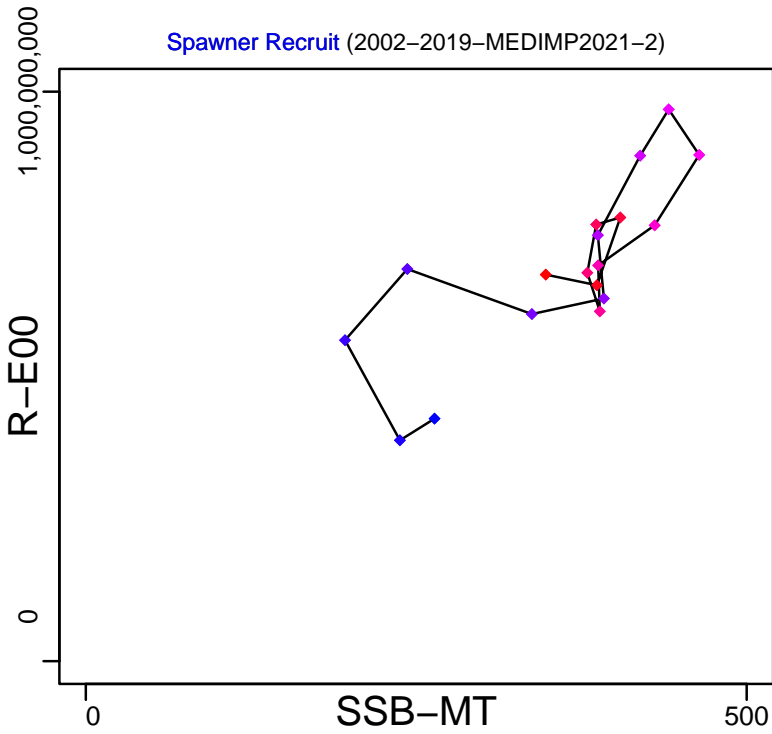
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002-2019-MEDIMP2021-2)



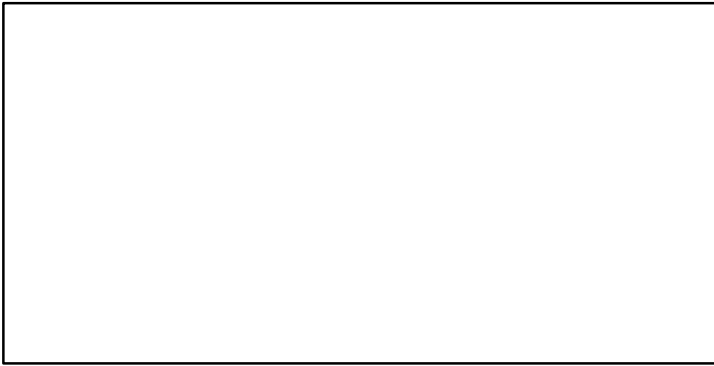
Production*



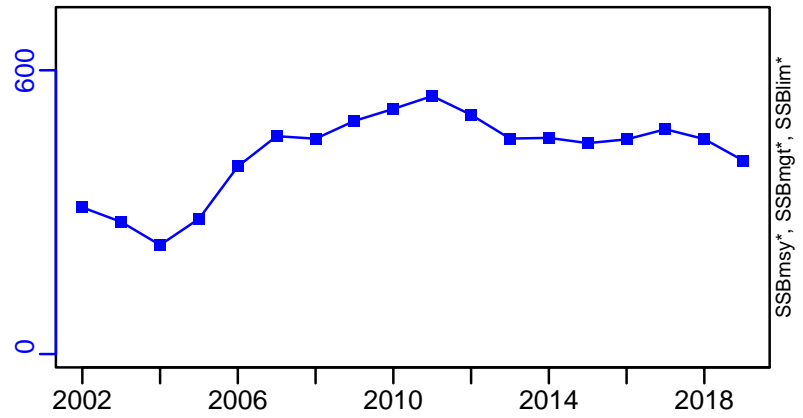
◆ Start Year ◆ End Year * No Data

Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

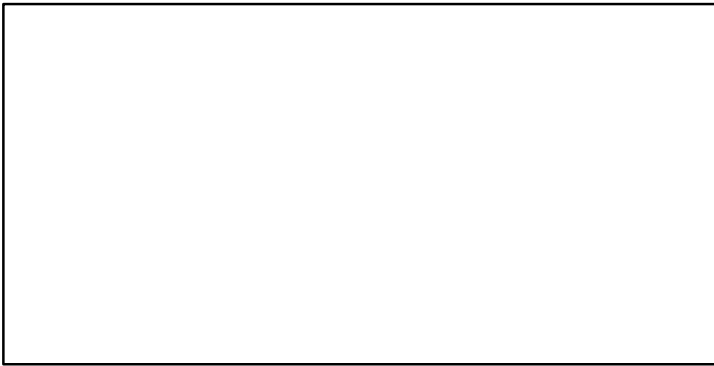
TB*



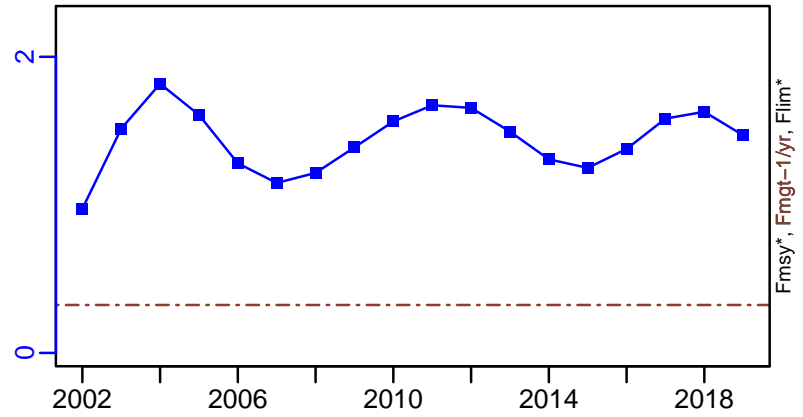
SSB-MT (2002-2019-MEDIMP2021-2)



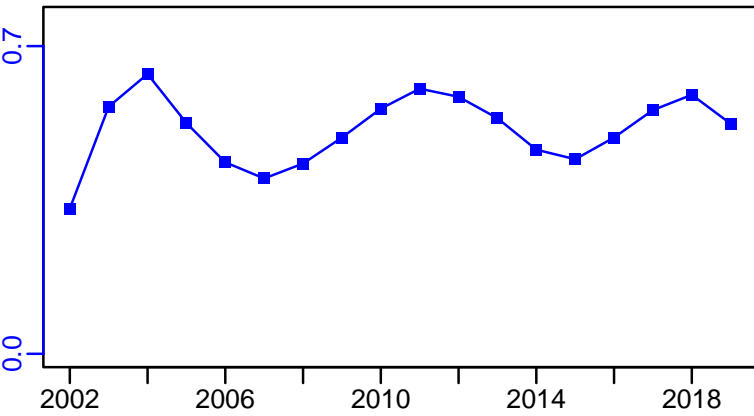
TN *



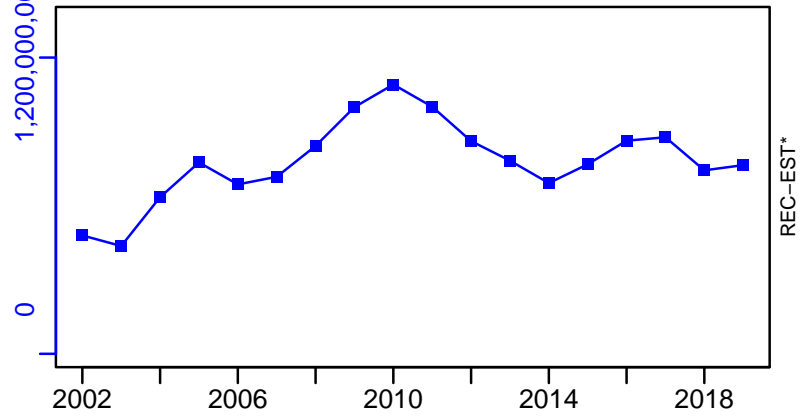
F-1/yr (2002-2019-MEDIMP2021-2)



ER-calc-ratio (2002-2019-MEDIMP2021-2)



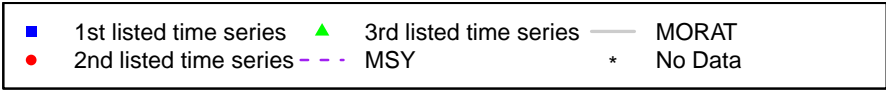
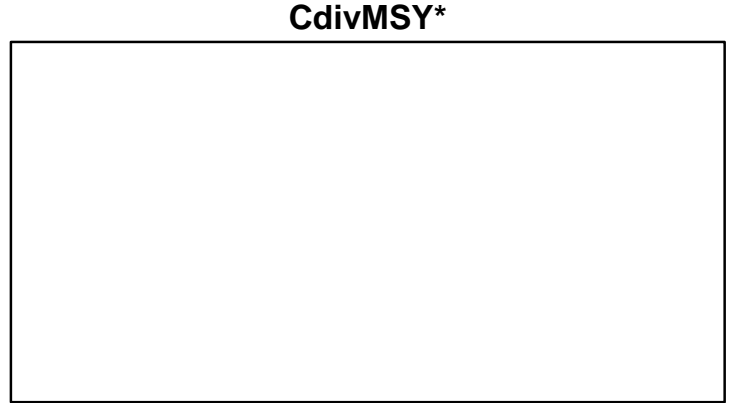
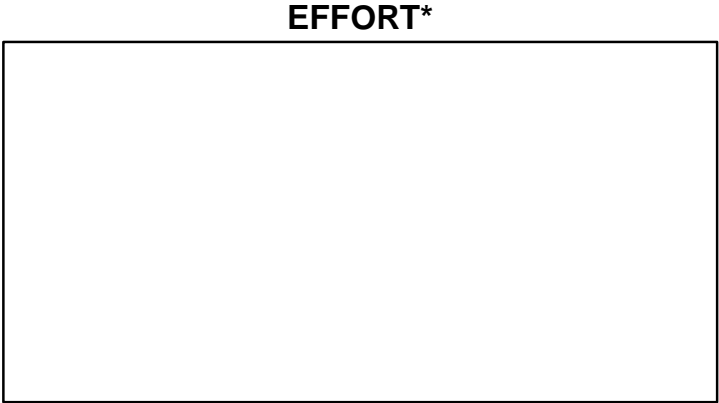
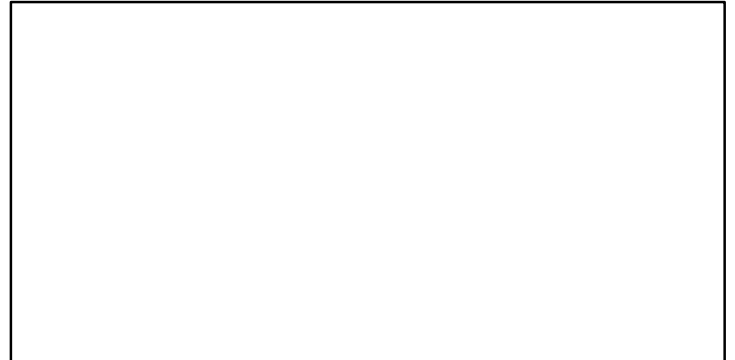
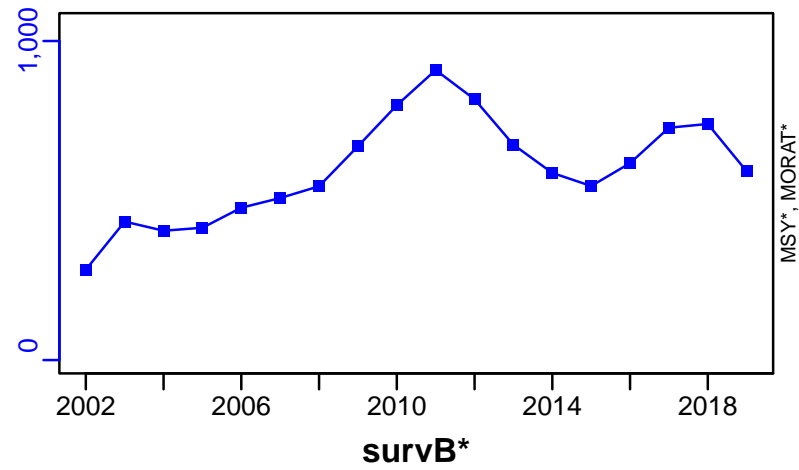
R-E00 (2002-2019-MEDIMP2021-2)



Red shrimp Geographical Sub-Areas 6-7 [RDSHRMPMEDGSA6-7]

TC-MT, TL*, RecC* (2002-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]

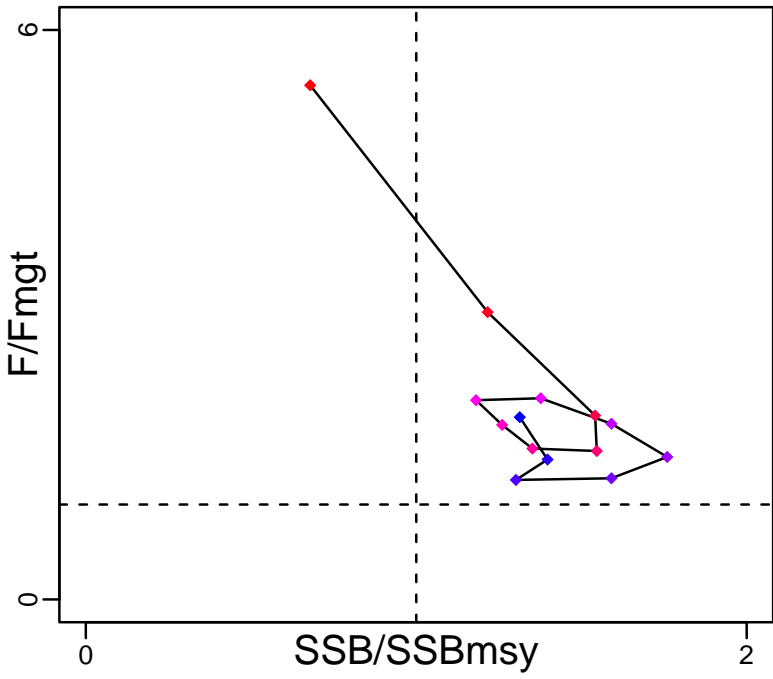
Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA9-11-2006-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.328
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

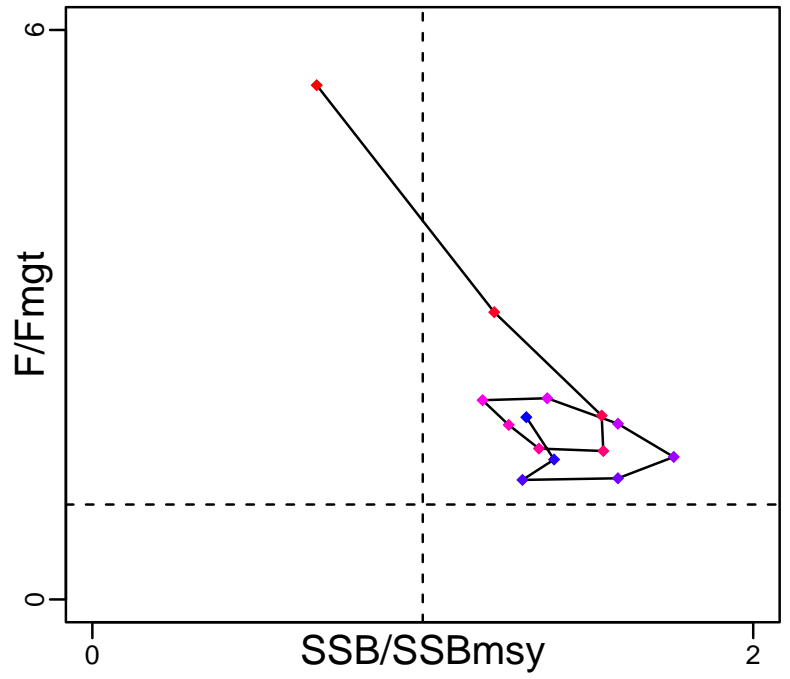
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	232	-	-
TN	-	-	-	-	-
R	R-E00	2019	43,108,168	-	-
F	F-1/yr	2019	1.778	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	366	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	5.418	-	-
ER/ERmgt	-	-	-	-	-

Red shrimp Geographical Sub-Areas 9-11 [RDSHRMPMEDGSA9-11]

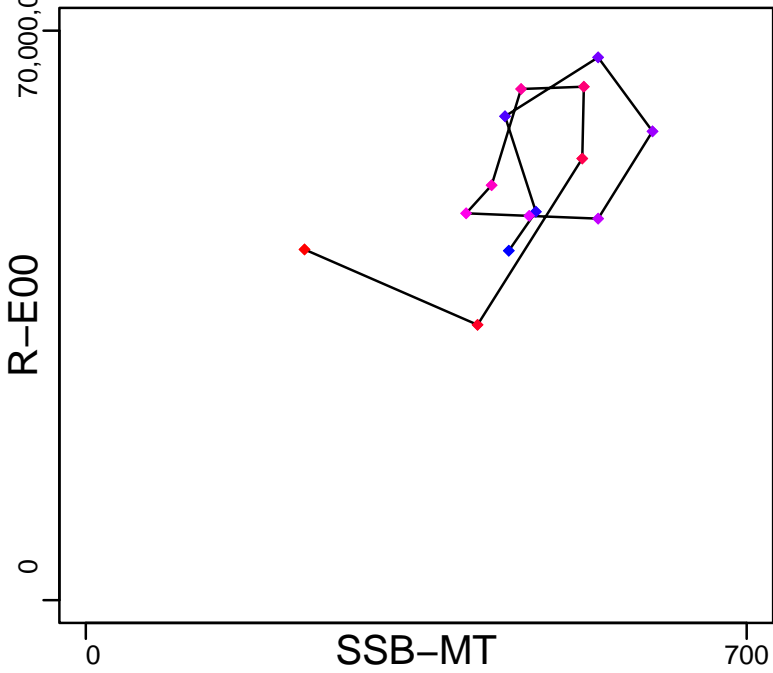
Kobe MSYpref (2006-2019-MEDIMP2021-2)



Kobe MGTpref (2006-2019-MEDIMP2021-2)



Spawner Recruit (2006-2019-MEDIMP2021-2)



Production*



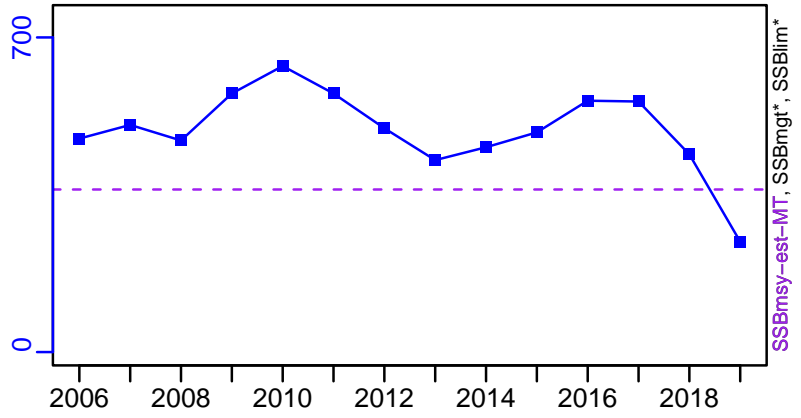
◆ Start Year ◆ End Year * No Data

Red shrimp Geographical Sub-Areas 9–11 [RDSHRMPMEDGSA9–11]

TB*



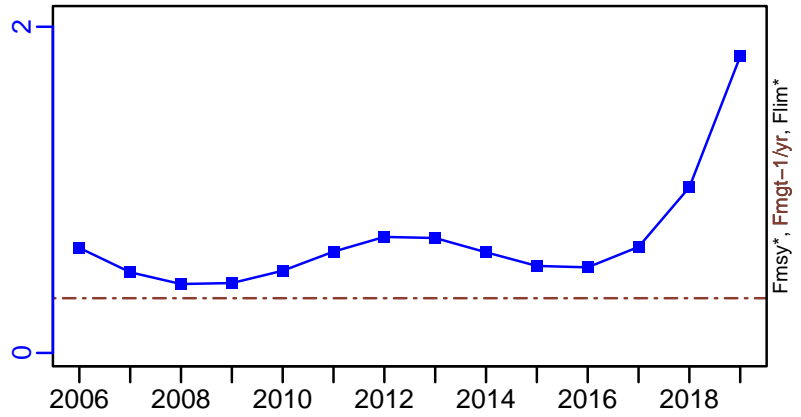
SSB-MT (2006–2019–MEDIMP2021–2)



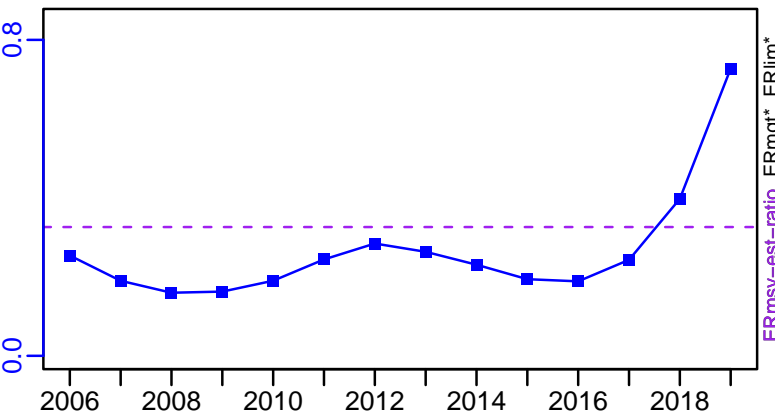
TN *



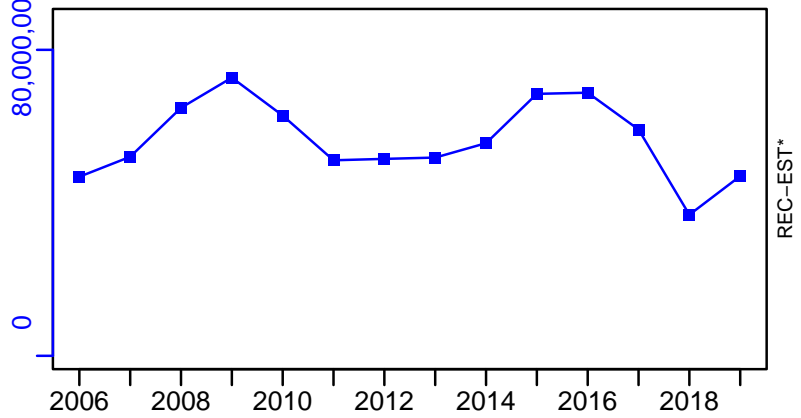
F-1/yr (2006–2019–MEDIMP2021–2)



ER-calc-ratio (2006–2019–MEDIMP2021–2)



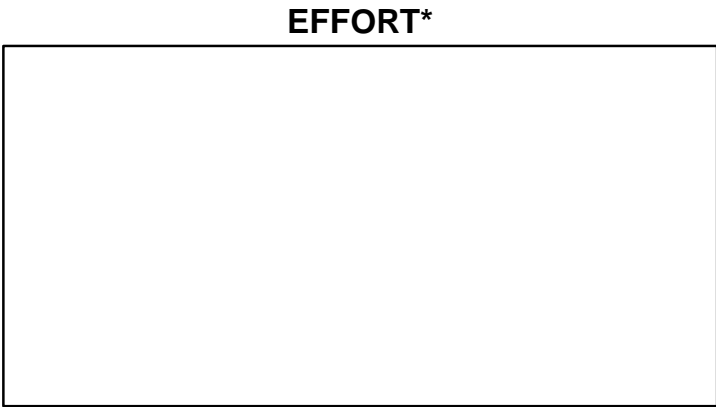
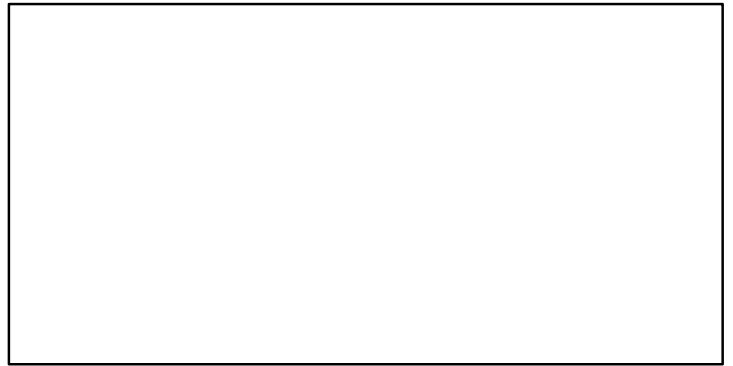
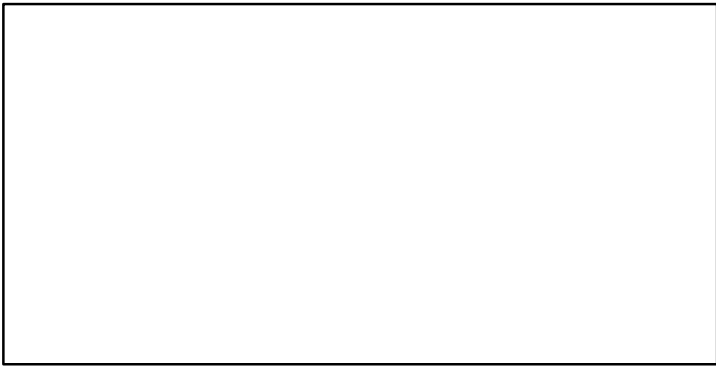
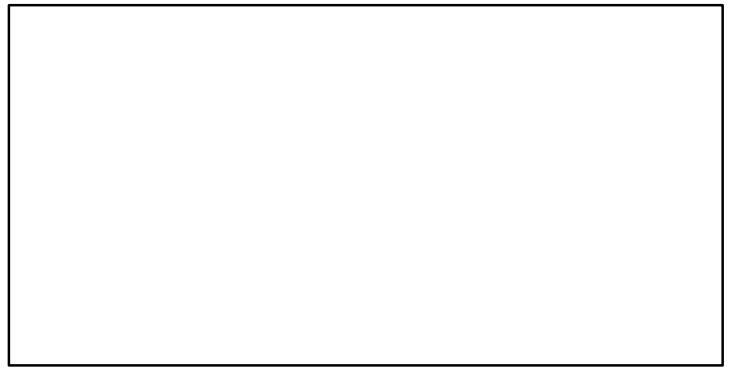
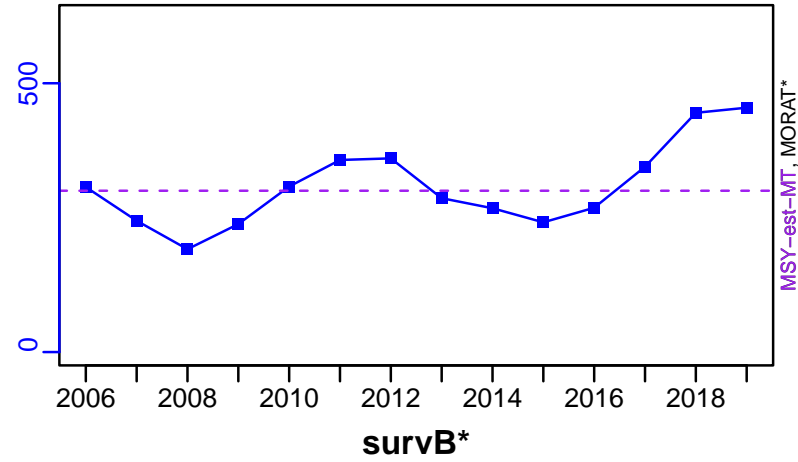
R-E00 (2006–2019–MEDIMP2021–2)



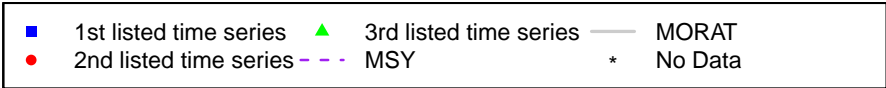
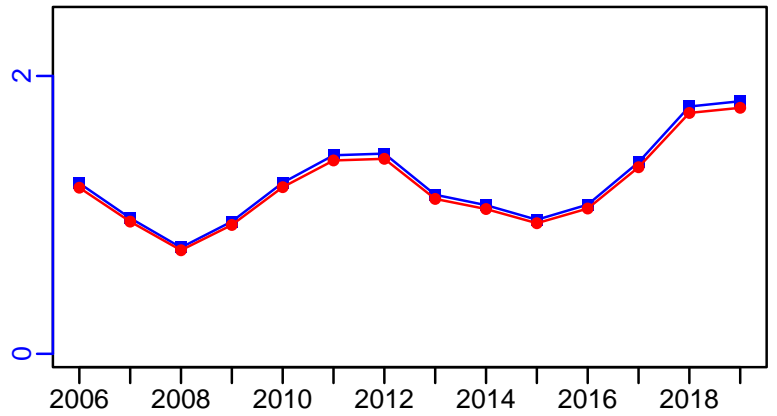
Red shrimp Geographical Sub-Areas 9–11 [RDSHRMPMEDGSA9–11]

TC–MT, TL*, RecC* (2006–2019–MEDIMP2021–2)

TAC*, Cpair*, Cadv*



TC–MT/MSY–est-MT, CdivMEANC–ratio, (2006–2019–MEDIMP2021–2)



Red mullet Northern Alboran Sea [RMULLMEDGSA1]

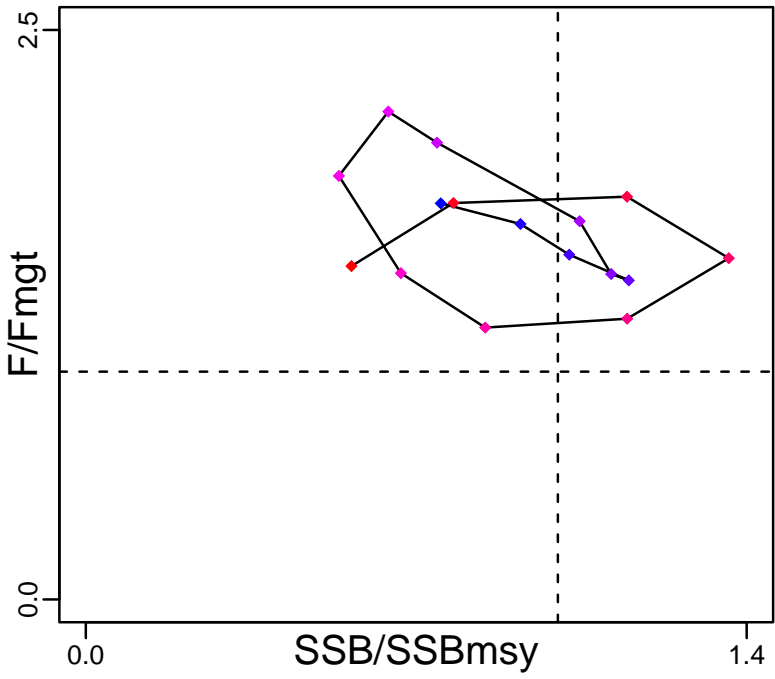
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA1-2004-2019-MEDIMP2021-2
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.702
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

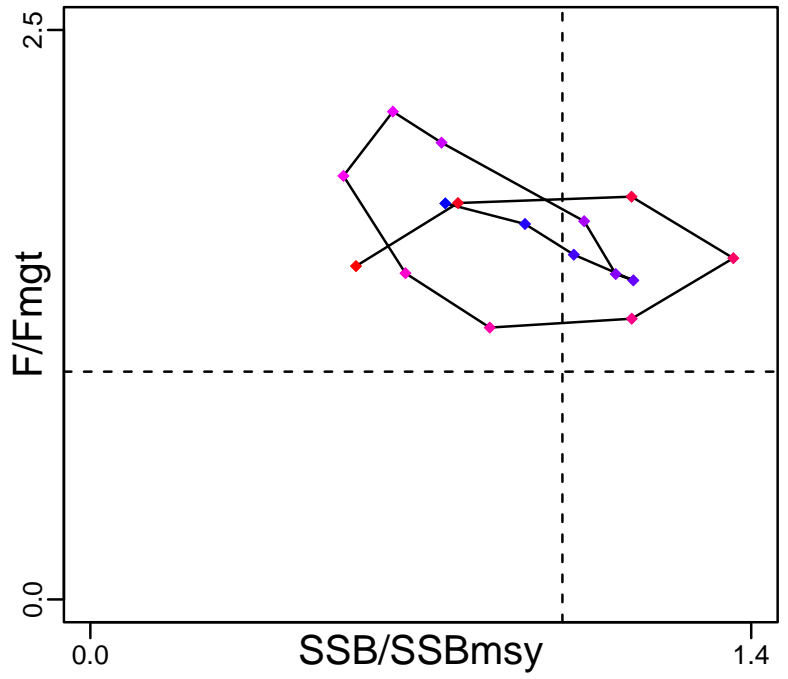
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	161	-	-
TN	-	-	-	-	-
R	R-E00	2019	3,890,013	-	-
F	F-1/yr	2019	1.028	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	115		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.463		
ER/ERmgt	-	-	-		

Red mullet Northern Alboran Sea [RMULLMEDGSA1]

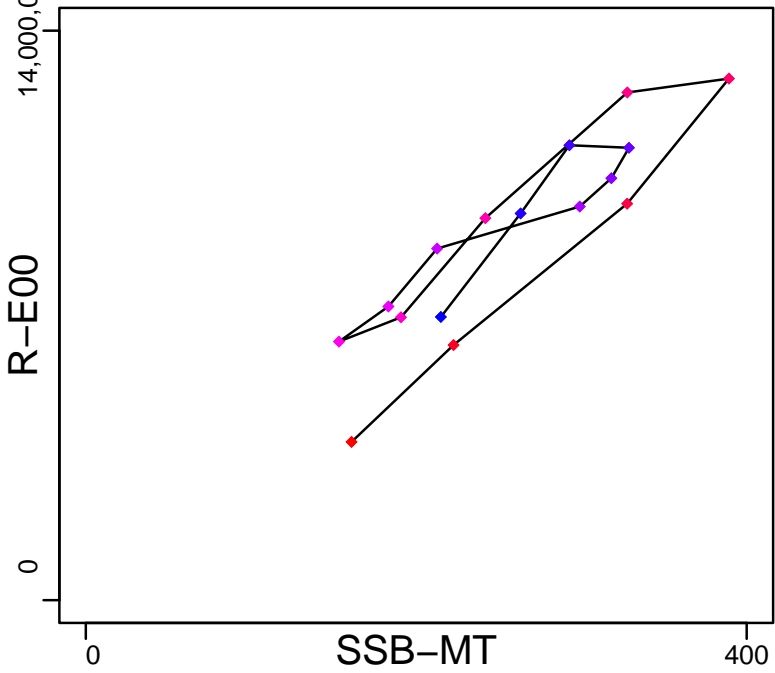
Kobe MSYpref (2004–2019–MEDIMP2021–2)



Kobe MGTpref (2004–2019–MEDIMP2021–2)



Spawner Recruit (2004–2019–MEDIMP2021–2)



Production*



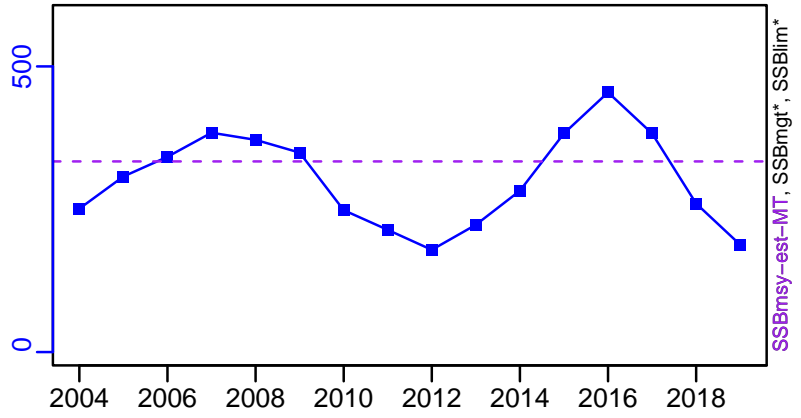
◆ Start Year ◆ End Year * No Data

Red mullet Northern Alboran Sea [RMULLMEDGSA1]

TB*



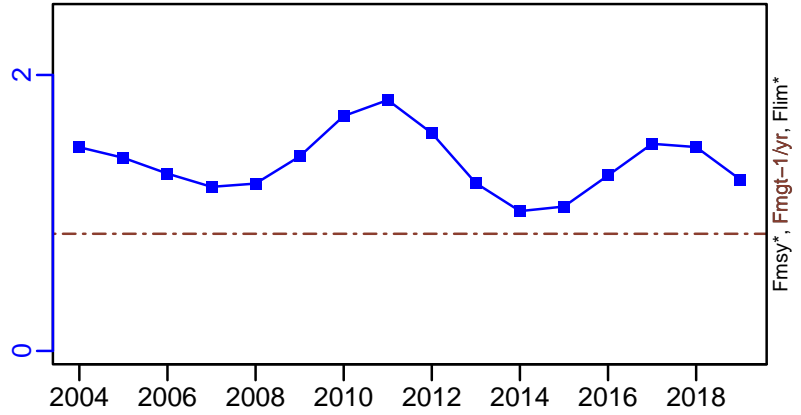
SSB-MT (2004-2019-MEDIMP2021-2)



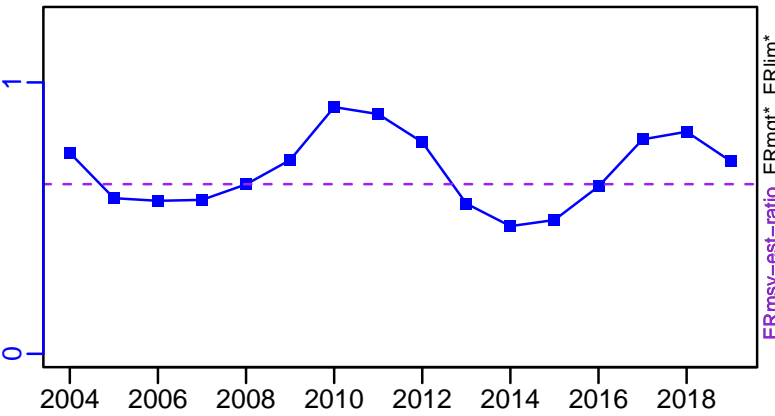
TN *



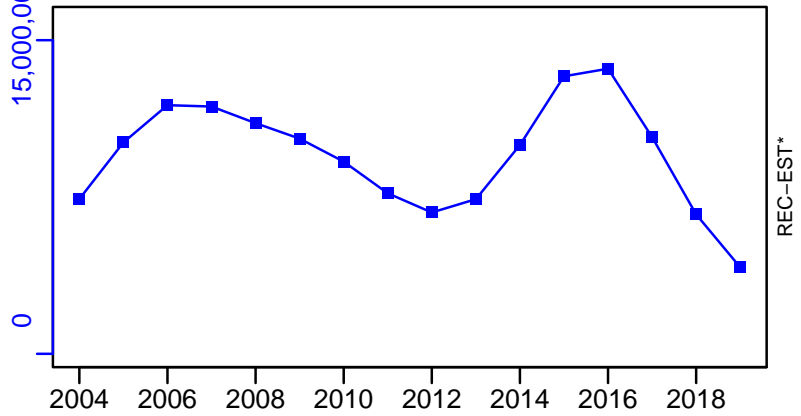
F-1/yr (2004-2019-MEDIMP2021-2)



ER-calc-ratio (2004-2019-MEDIMP2021-2)



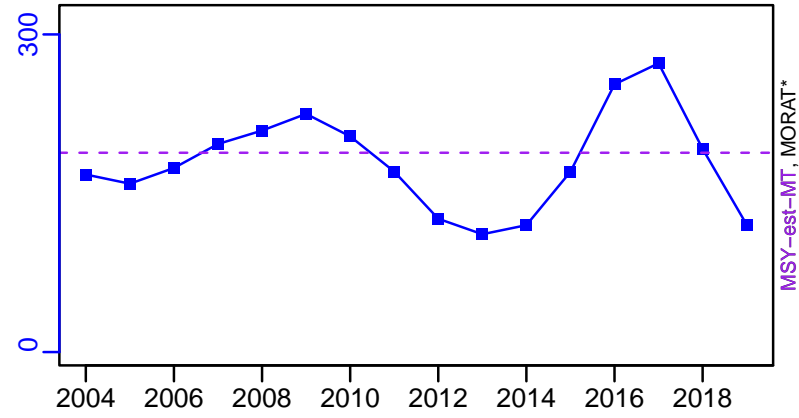
R-E00 (2004-2019-MEDIMP2021-2)



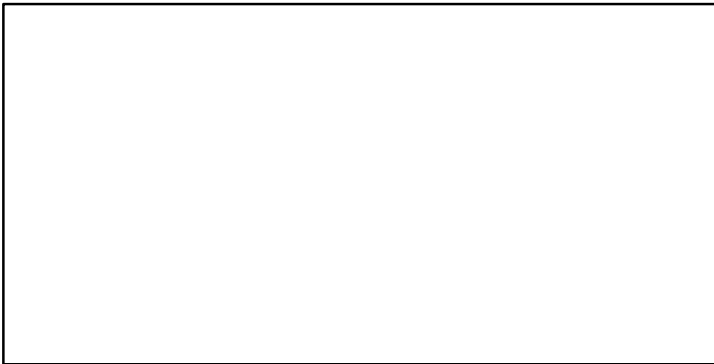
Red mullet Northern Alboran Sea [RMULLMEDGSA1]

TC-MT, TL*, RecC* (2004-2019-MEDIMP2021-2)

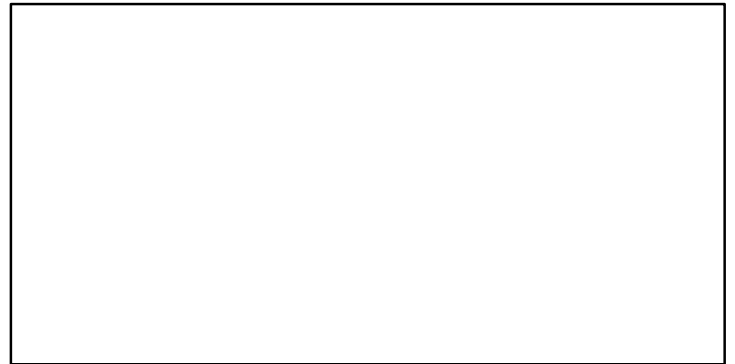
TAC*, Cpair*, Cadv*



survB*



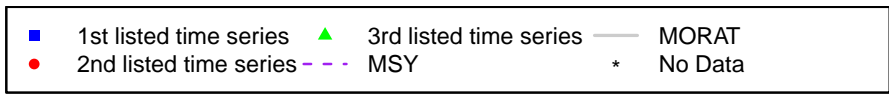
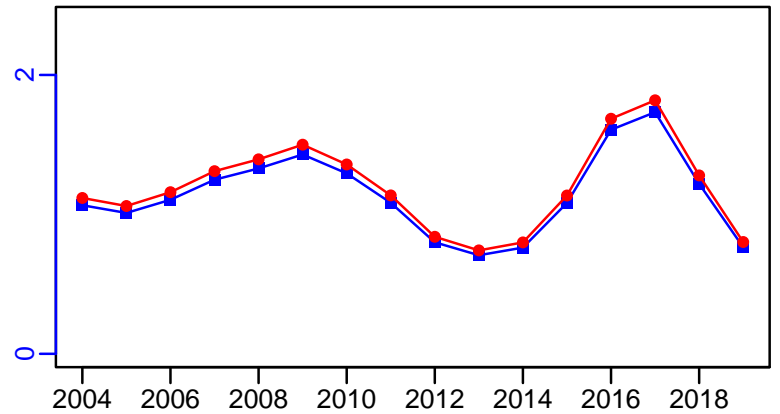
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2004-2019-MEDIMP2021-2)



Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

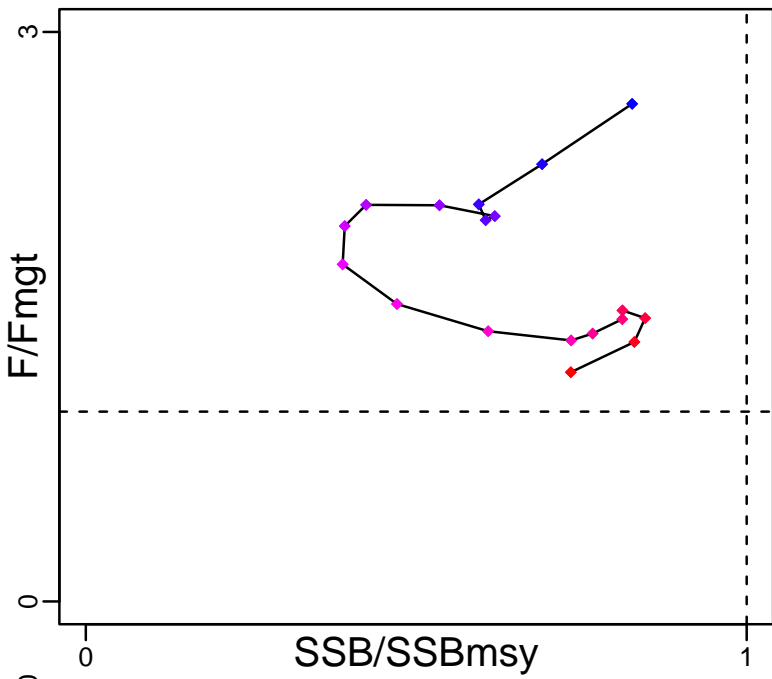
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA10-2002-2019-MEDIMP2021-2
Area	South Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.393
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

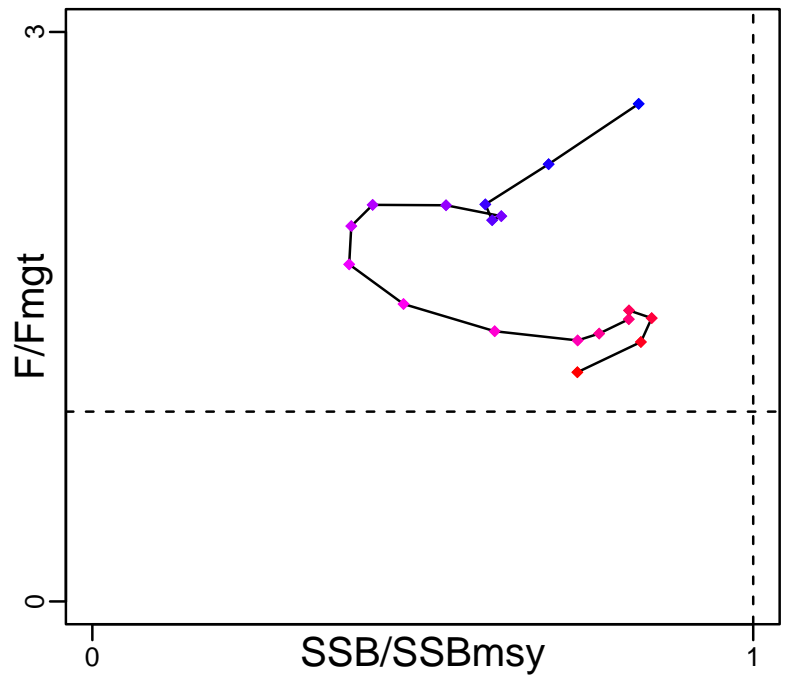
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	661	-	-
TN	-	-	-	-	-
R	R-E00	2019	124,069,753	-	-
F	F-1/yr	2019	0.475	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	334		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.207		
ER/ERmgt	-	-	-		

Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

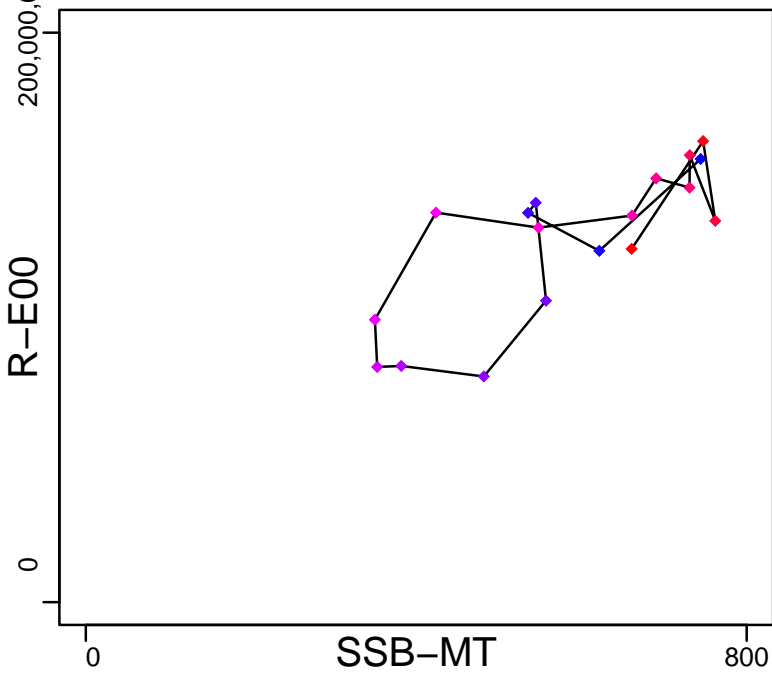
Kobe MSYpref (2002–2019–MEDIMP2021–2)



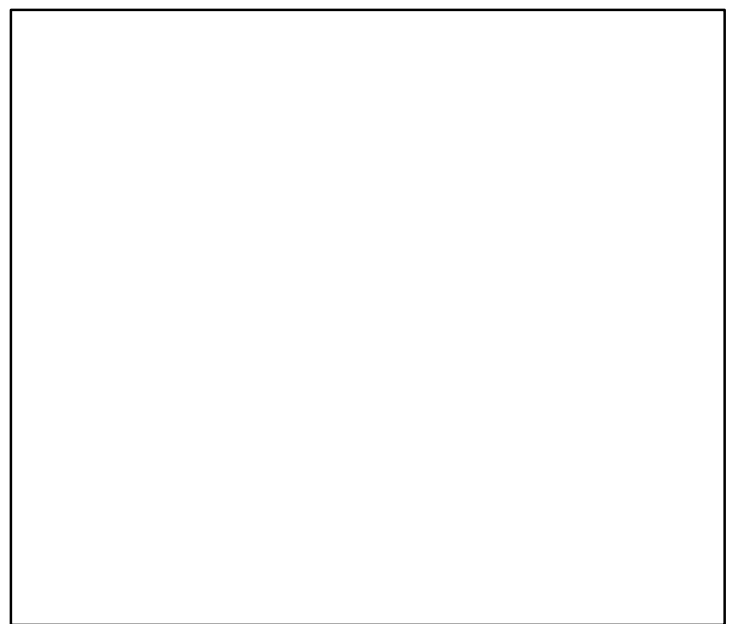
Kobe MGTpref (2002–2019–MEDIMP2021–2)



Spawner Recruit (2002–2019–MEDIMP2021–2)



Production*



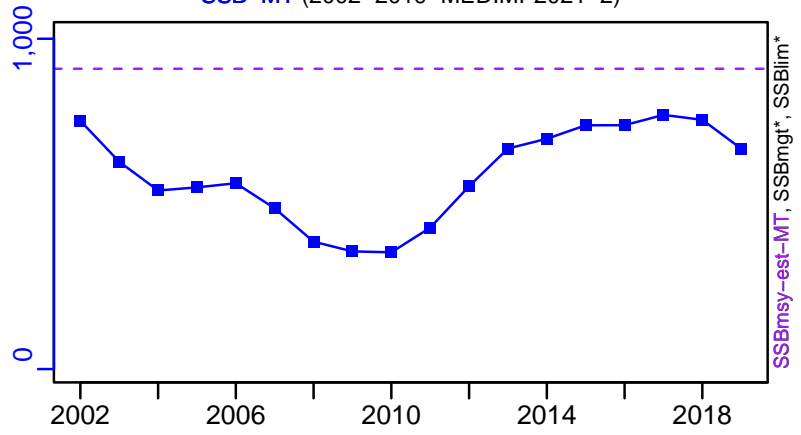
◆ Start Year ◆ End Year * No Data

Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

TB*



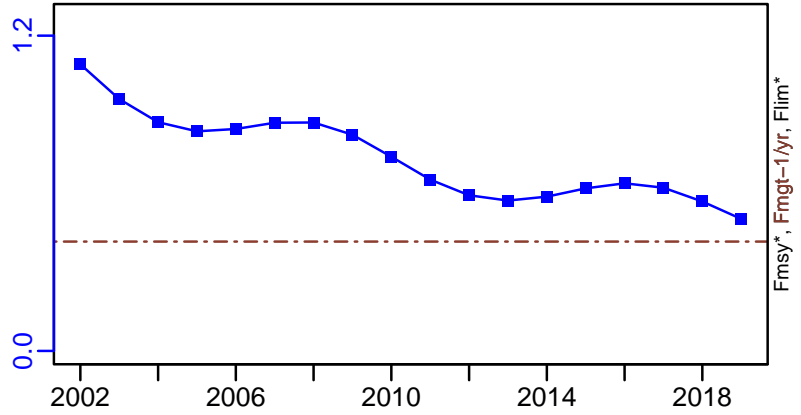
SSB-MT (2002-2019-MEDIMP2021-2)



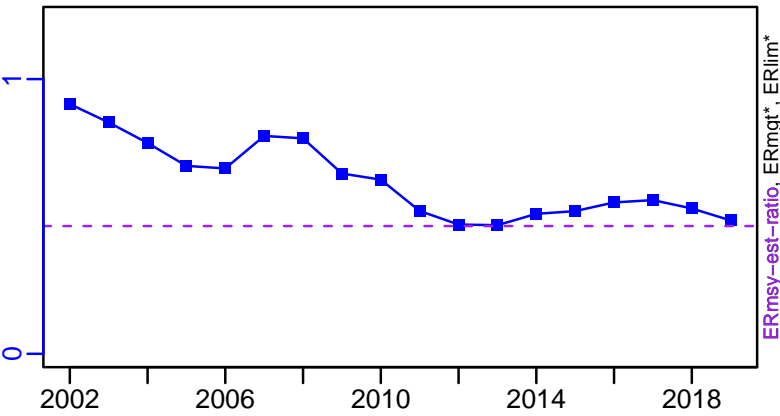
TN *



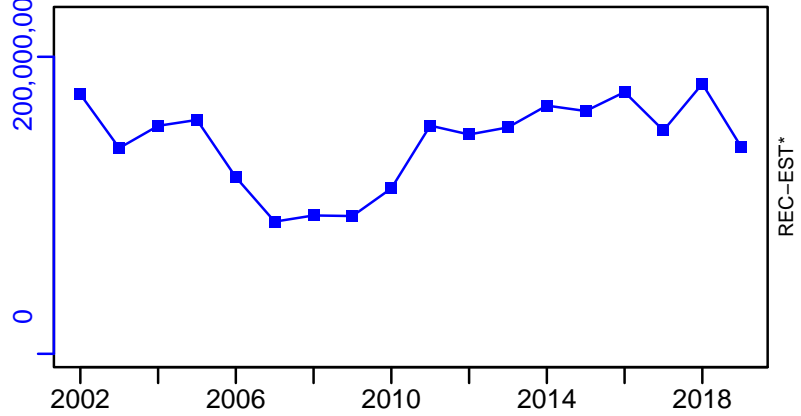
F-1/yr (2002-2019-MEDIMP2021-2)



ER-calc-ratio (2002-2019-MEDIMP2021-2)



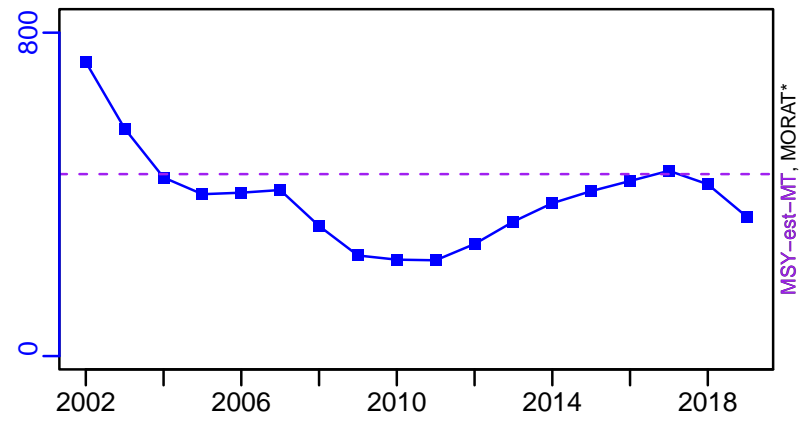
R-E00 (2002-2019-MEDIMP2021-2)



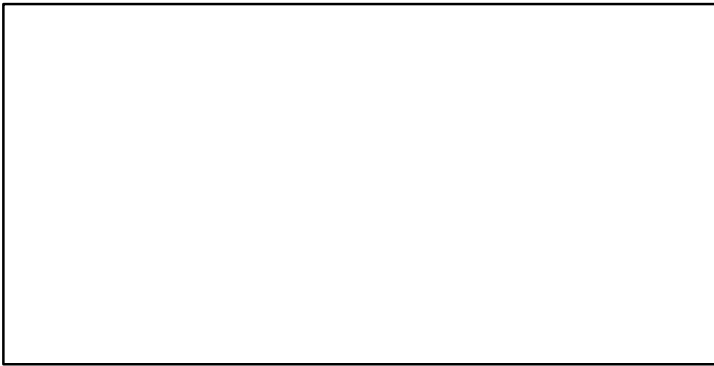
Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

TC-MT, TL*, RecC* (2002-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



survB*



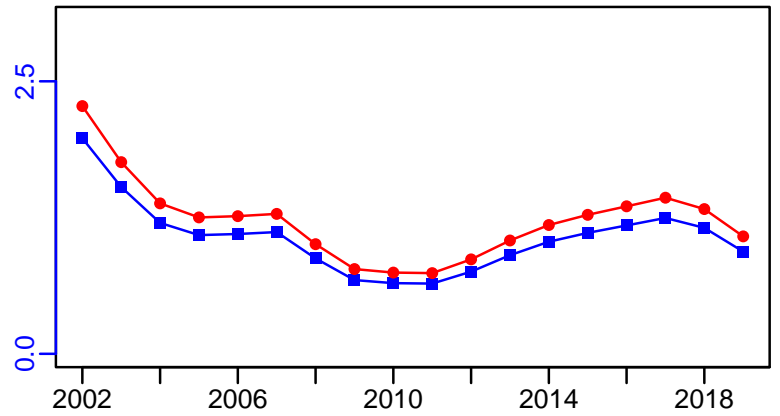
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2019-MEDIMP2021-2)



Red mullet Sardinia [RMULLMEDGSA11]

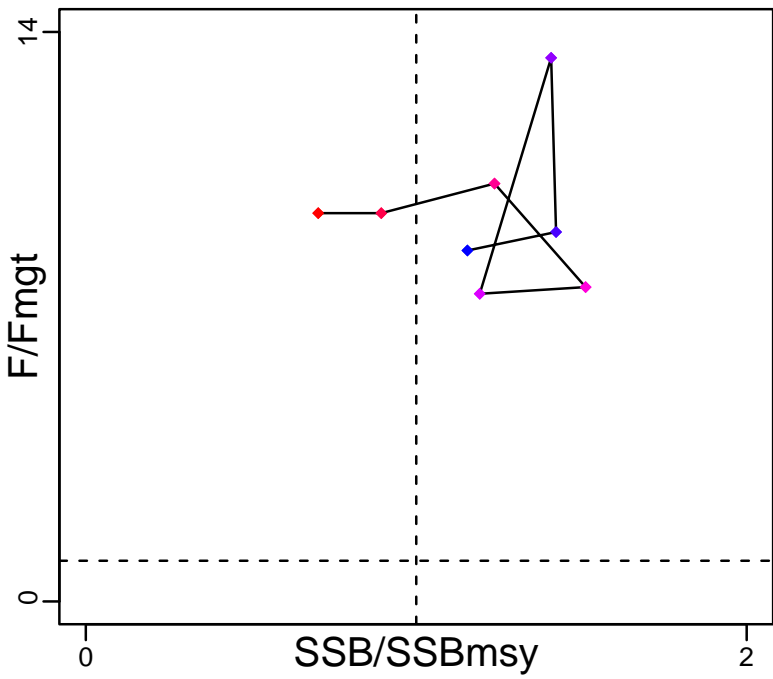
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA11-2005-2012-OSIO
Area	Sardinia
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

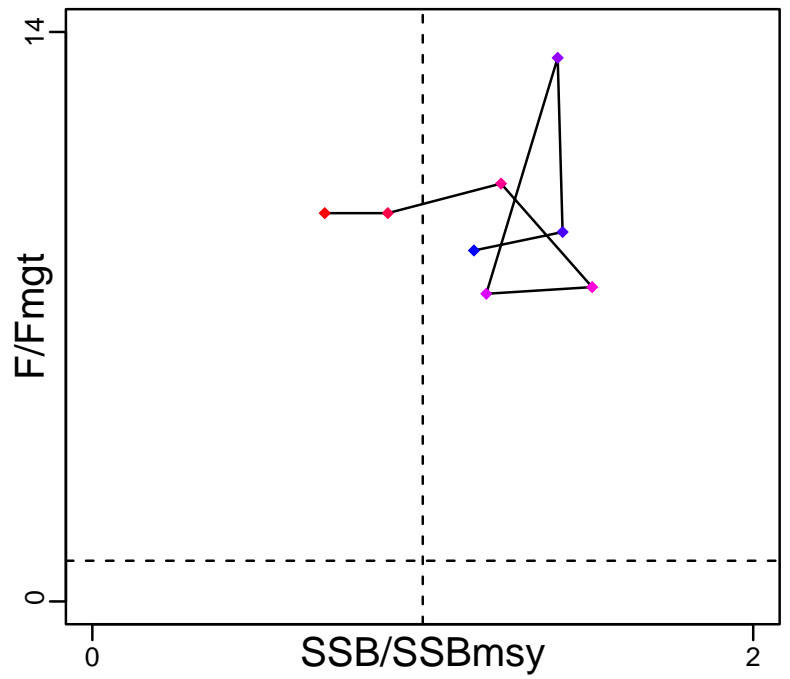
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	94	-	1+
TN	-	-	-	-	-
R	R-E00	2012	26,600,000	-	-
F	F-1/yr	2012	1.05	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	136		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	9.545		
ER/ERmgt	-	-	-		

Red mullet Sardinia [RMULLMEDGSA11]

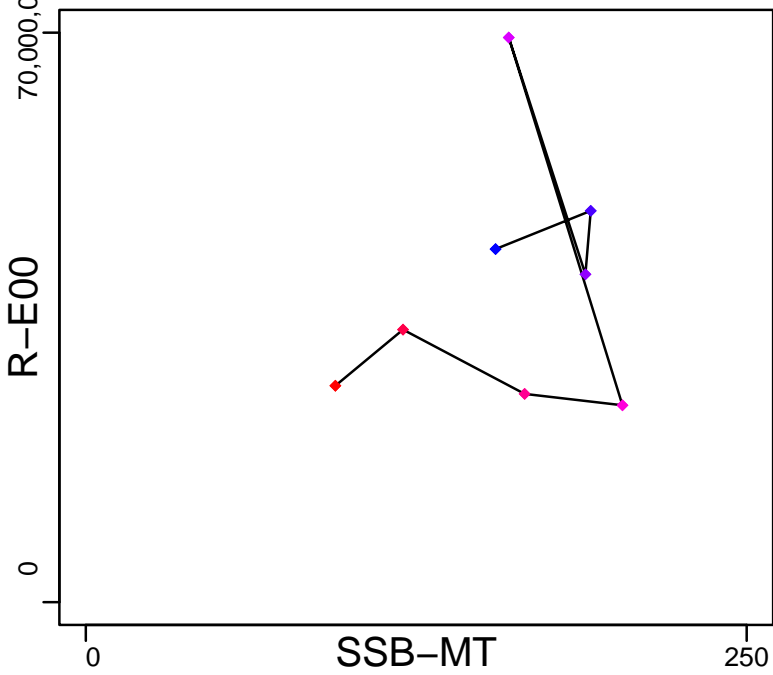
Kobe MSYpref (2005–2012–OSIO)



Kobe MGTpref (2005–2012–OSIO)



Spawner Recruit (2005–2012–OSIO)



Production*



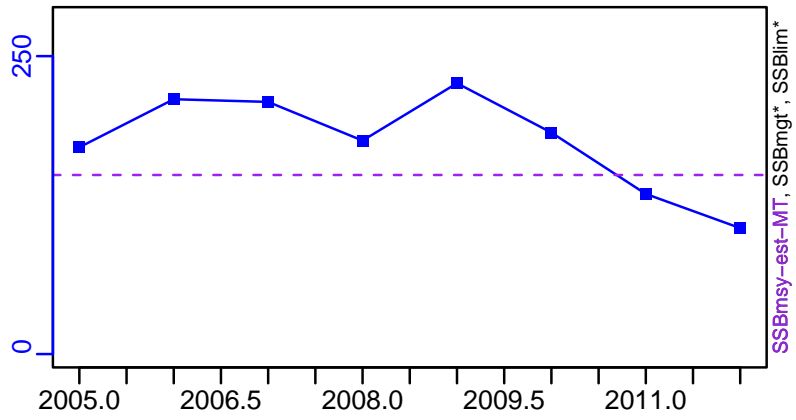
◆ Start Year ◆ End Year * No Data

Red mullet Sardinia [RMULLMEDGSA11]

TB*



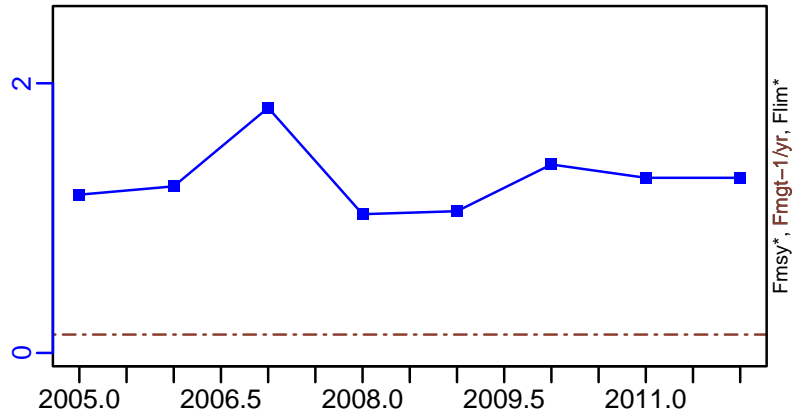
SSB-MT (2005-2012-OSIO)



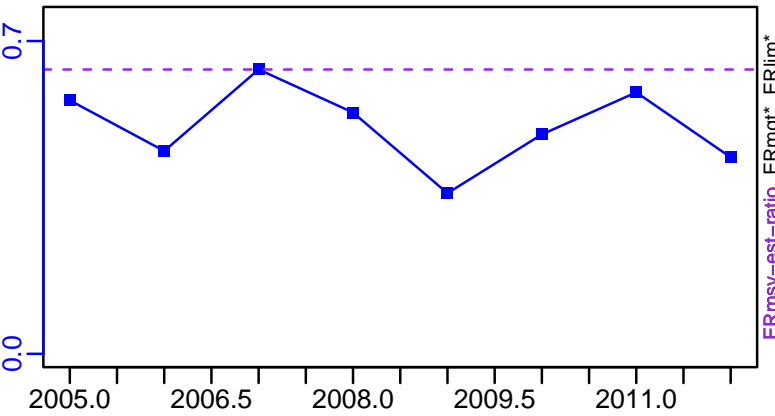
TN *



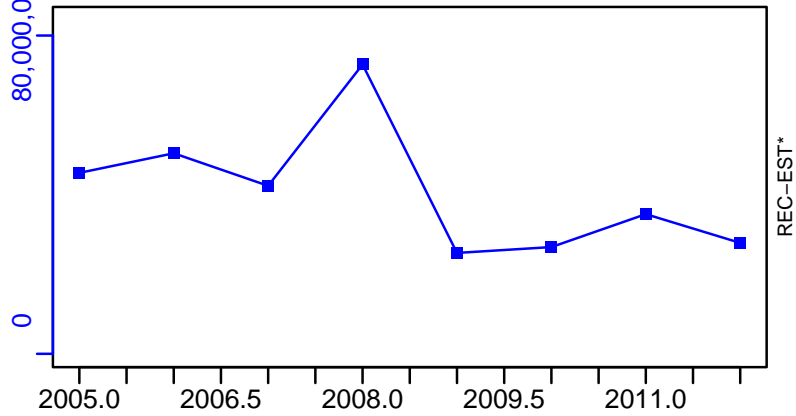
F-1/yr (2005-2012-OSIO)



ER-calc-ratio (2005-2012-OSIO)



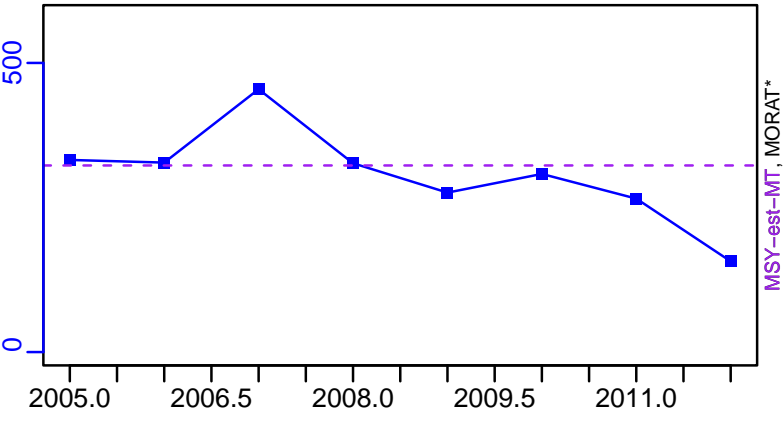
R-E00 (2005-2012-OSIO)



Red mullet Sardinia [RMULLMEDGSA11]

TC-MT, TL*, RecC* (2005-2012-OSIO)

TAC*, Cpair*, Cadv*



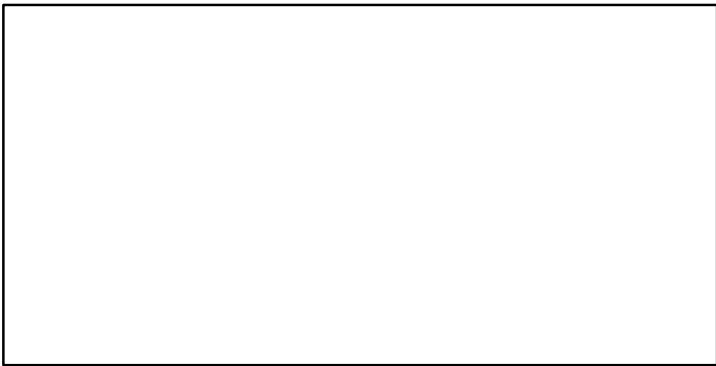
survB*



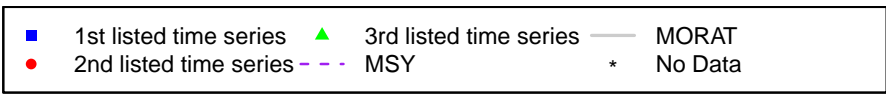
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2005-2012-OSIO)



Red mullet Malta Island and South of Sicily (GSA 15, 16) [RMULLMEDGSA15-16]

Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA15-16-2005-2011-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.45
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	1150	-	1.5+
TN	-	-	-	-	-
R	R-E00	2011	68,900,000	-	-
F	F-1/yr	2011	1.3	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	609		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.889		
ER/ERmgt	-	-	-		

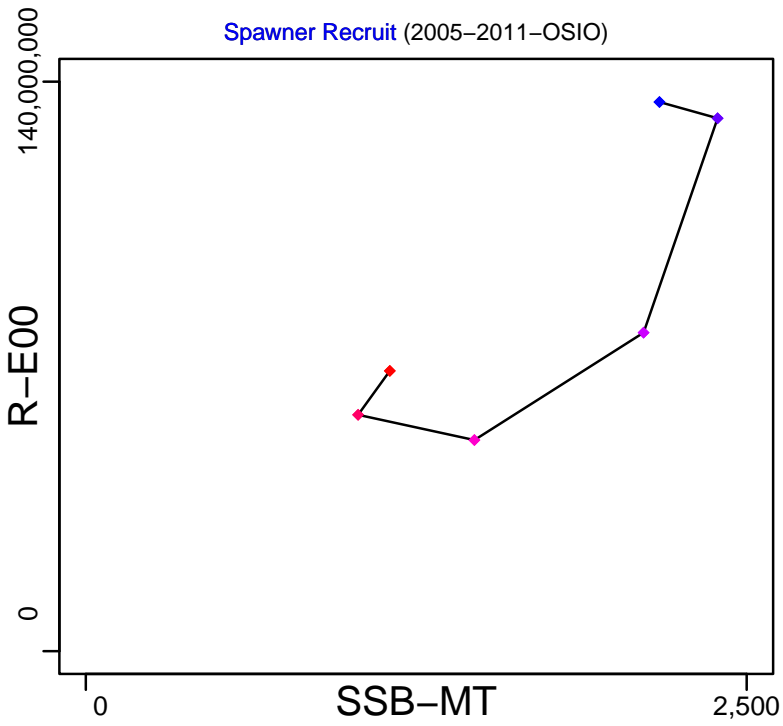
Kobe MSY*



Kobe MGT*



Spawner Recruit (2005-2011-OSIO)



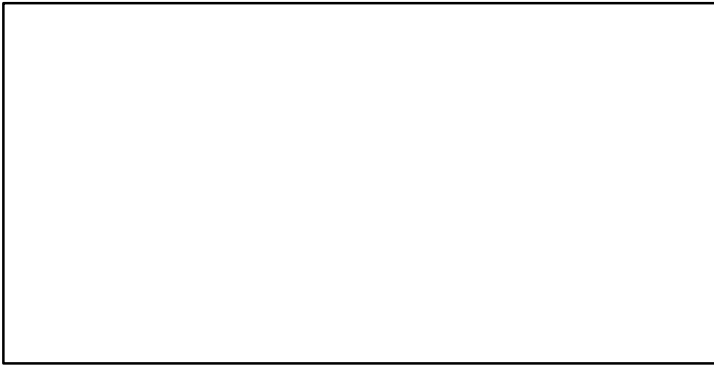
Production*



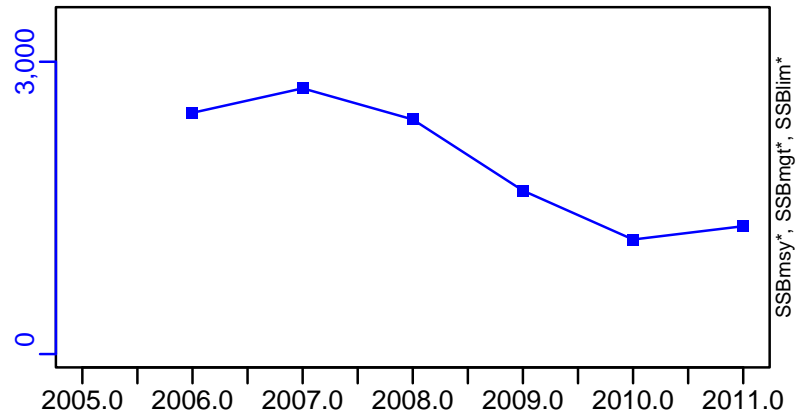
◆ Start Year ◆ End Year * No Data

Red mullet Malta Island and South of Sicily (GSA 15, 16) [RMULLMEDGSA15-16]

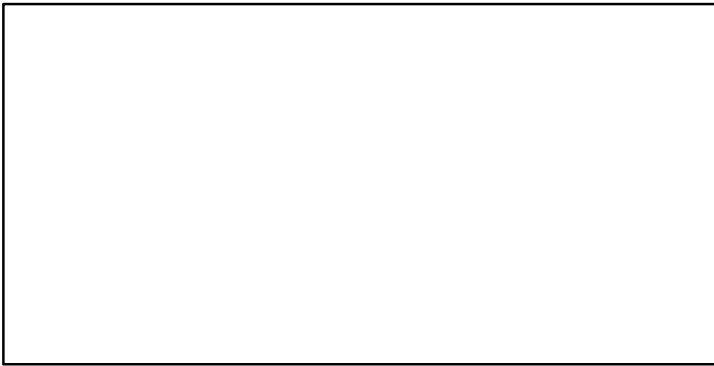
TB*



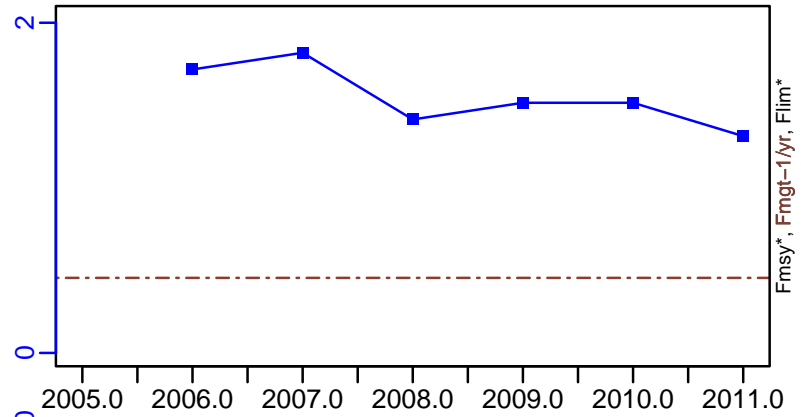
SSB-MT (2005-2011-OSIO)



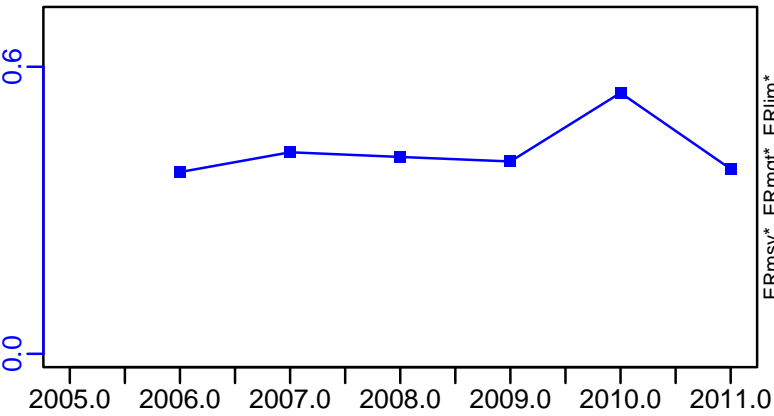
TN *



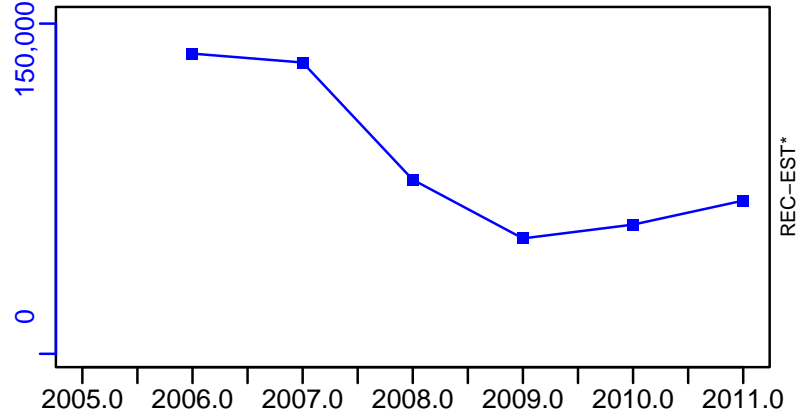
F-1/yr (2005-2011-OSIO)



ER-calc-ratio (2005-2011-OSIO)



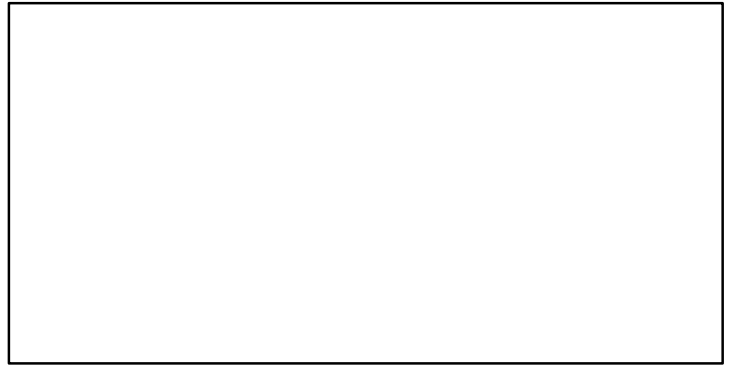
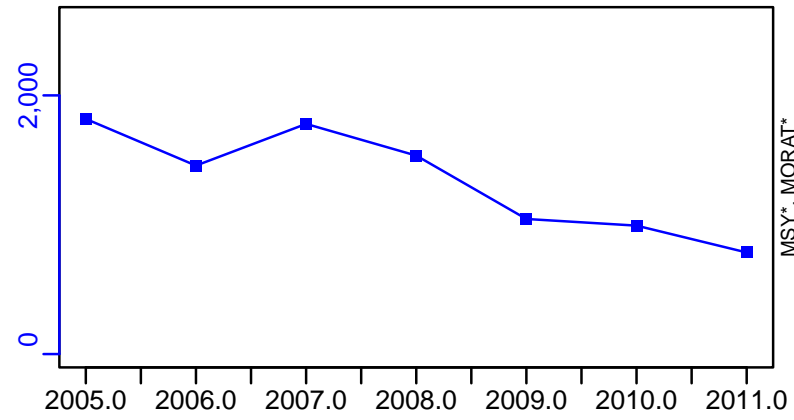
R-E00 (2005-2011-OSIO)



Red mullet Malta Island and South of Sicily (GSA 15, 16) [RMULLMEDGSA15-16]

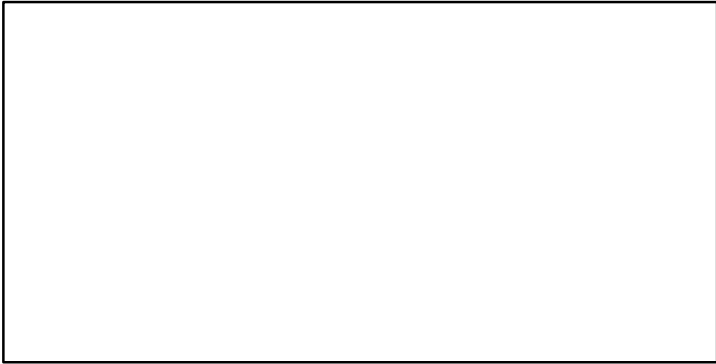
TC-MT, TL*, RecC* (2005-2011-OSIO)

TAC*, Cpair*, Cadv*



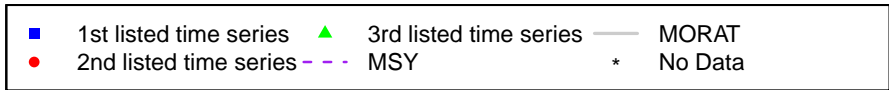
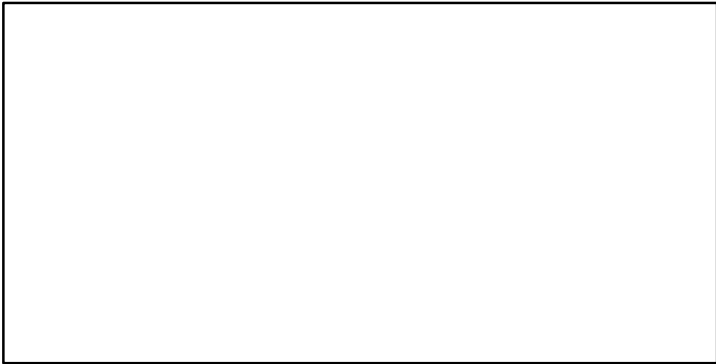
survB*

CPUE*



EFFORT*

CdivMSY*



Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

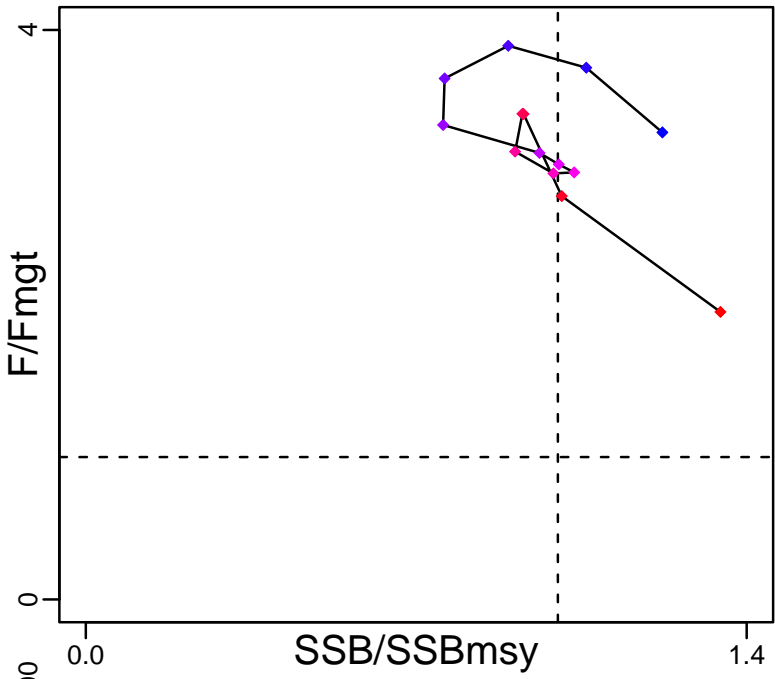
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA17-18-2006-2019-MEDIMP2021-2
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.34
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

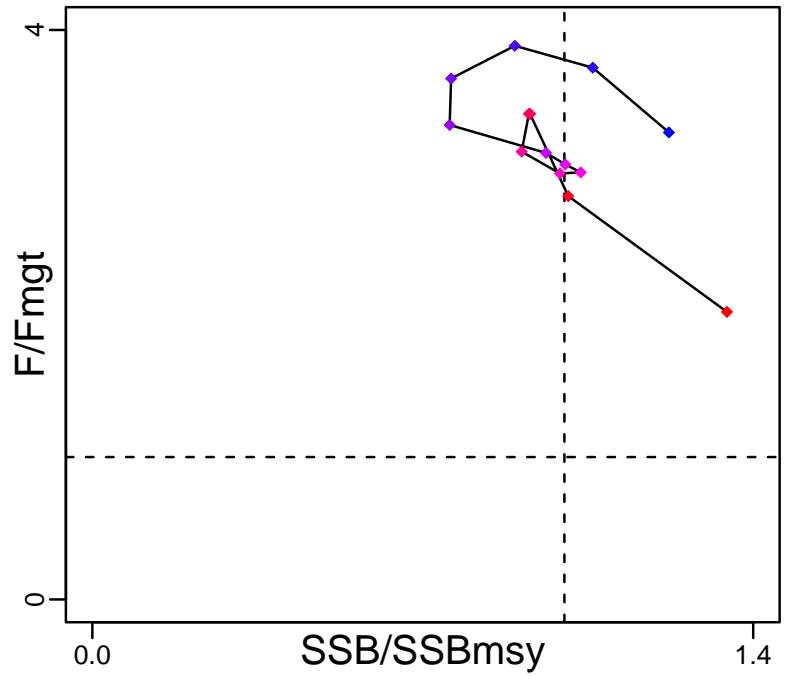
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	7587	-	-
TN	-	-	-	-	-
R	R-E00	2019	955,114,012	-	-
F	F-1/yr	2019	0.687	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	4632		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.02		
ER/ERmgt	-	-	-		

Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

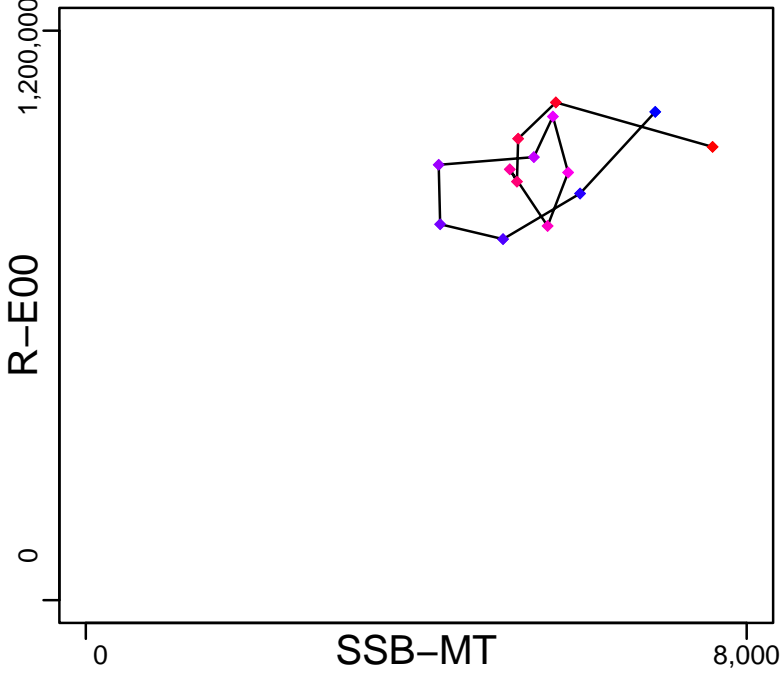
Kobe MSYpref (2006-2019-MEDIMP2021-2)



Kobe MGTpref (2006-2019-MEDIMP2021-2)



Spawner Recruit (2006-2019-MEDIMP2021-2)



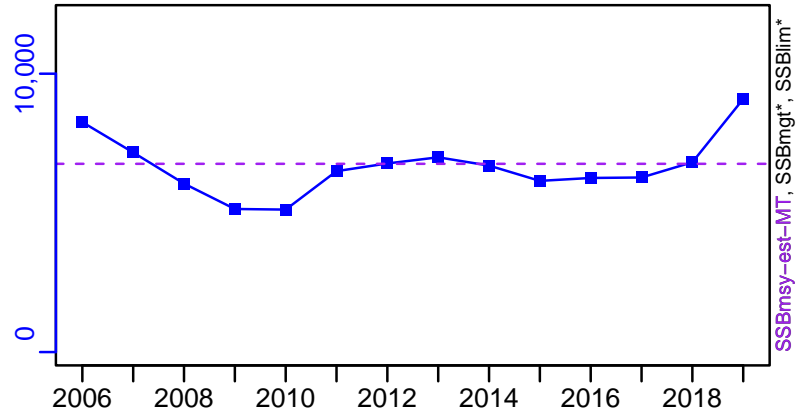
◆ Start Year ◆ End Year * No Data

Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

TB*



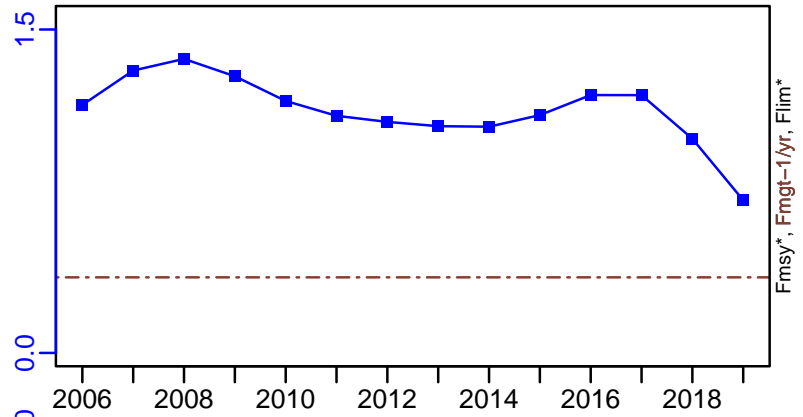
SSB-MT (2006-2019-MEDIMP2021-2)



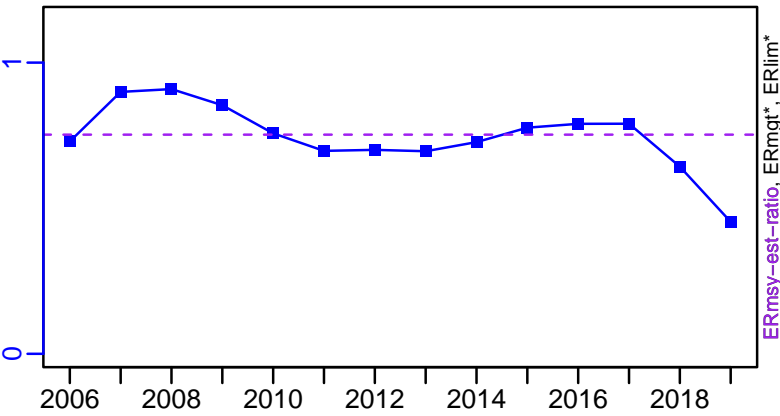
TN *



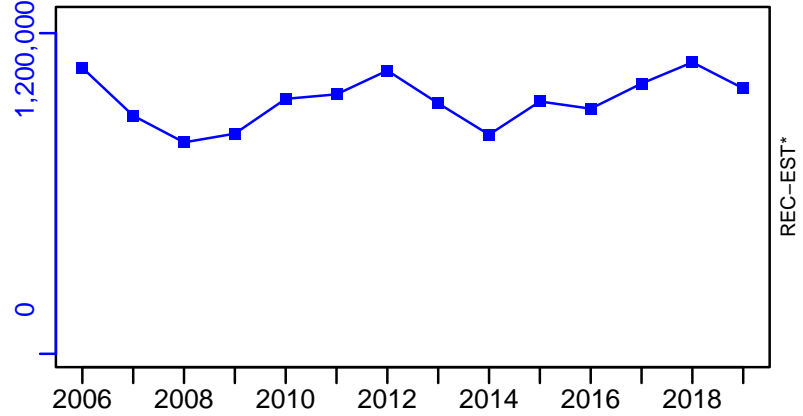
F-1/yr (2006-2019-MEDIMP2021-2)



ER-calc-ratio (2006-2019-MEDIMP2021-2)



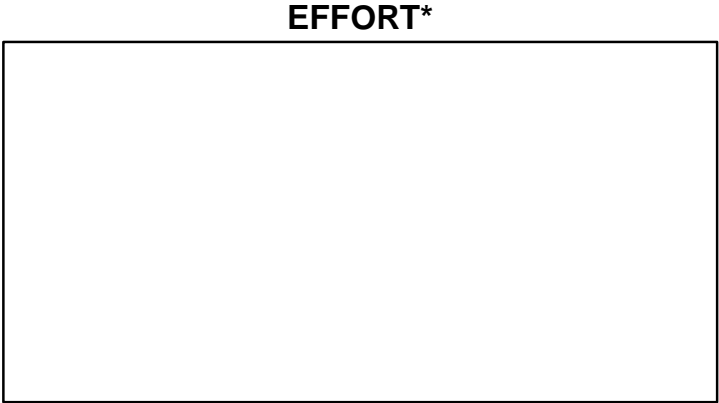
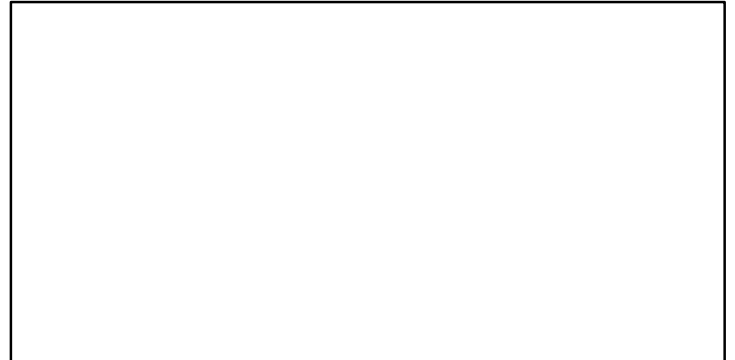
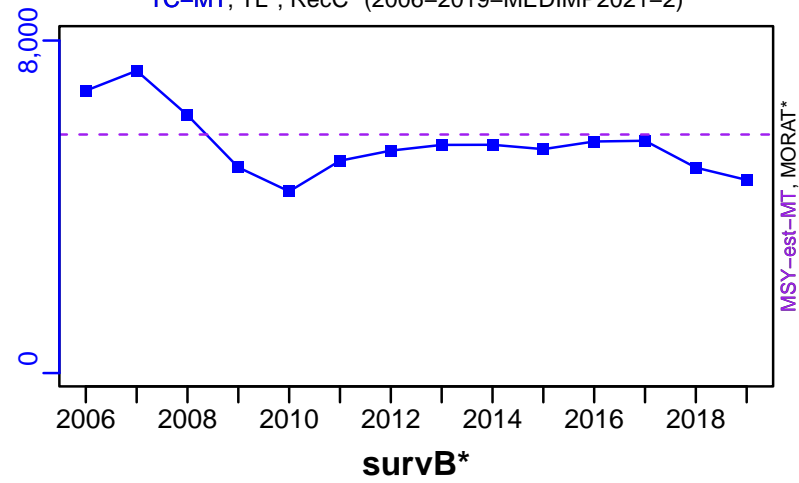
R-E00 (2006-2019-MEDIMP2021-2)



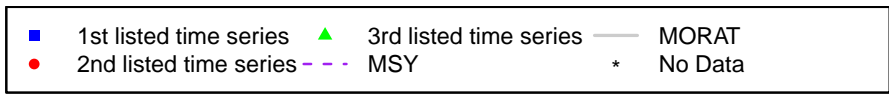
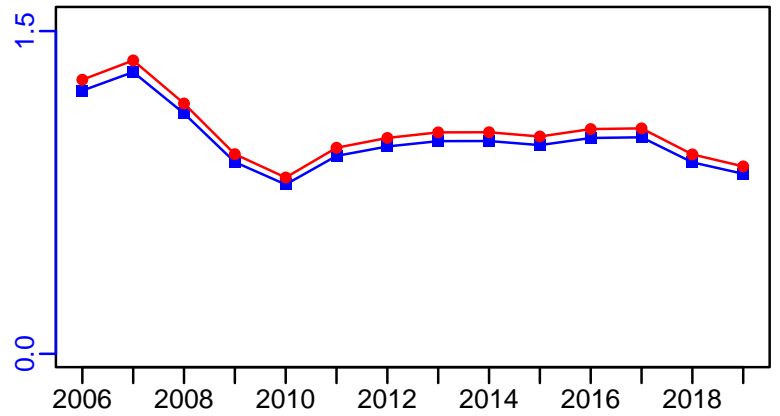
Red mullet Adriatic Sea (GSA 17,18) [RMULLMEDGSA17-18]

TC-MT, TL*, RecC* (2006-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2006-2019-MEDIMP2021-2)



Red mullet Western Ionian Sea [RMULLMEDGSA19]

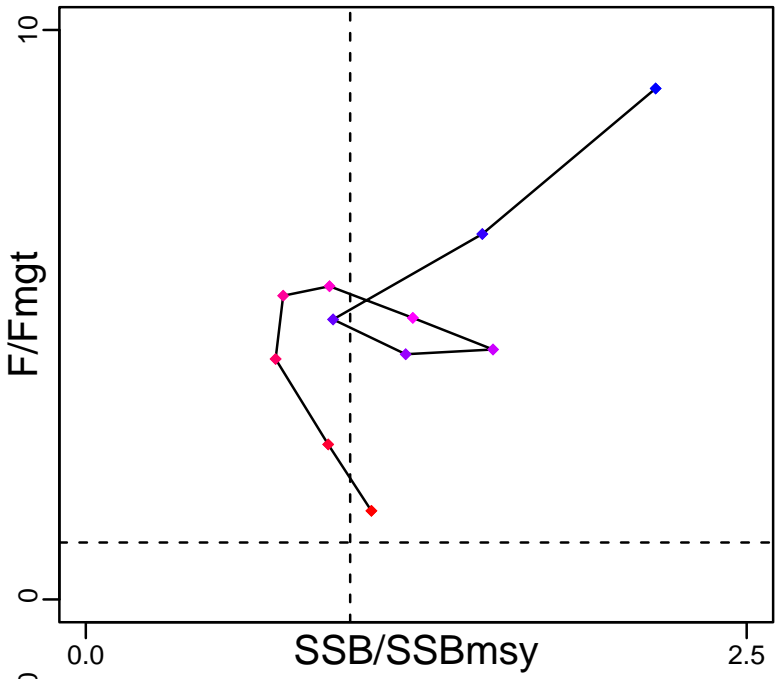
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA19-2006-2016-MEDIMP2021-2
Area	Western Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.36
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

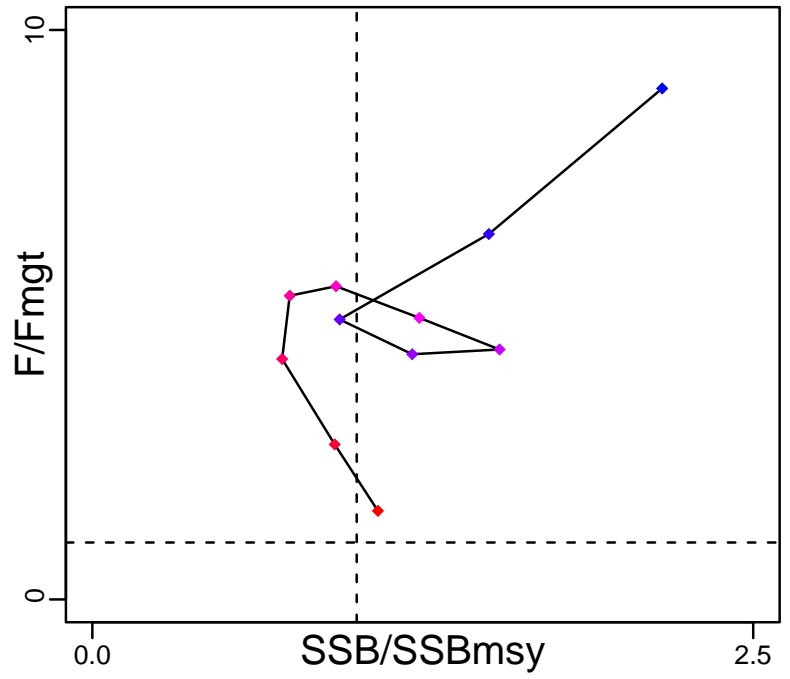
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	641	-	-
TN	-	-	-	-	-
R	R-E00	2016	27,230,000	-	-
F	F-1/yr	2016	0.56	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	278		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.556		
ER/ERmgt	-	-	-		

Red mullet Western Ionian Sea [RMULLMEDGSA19]

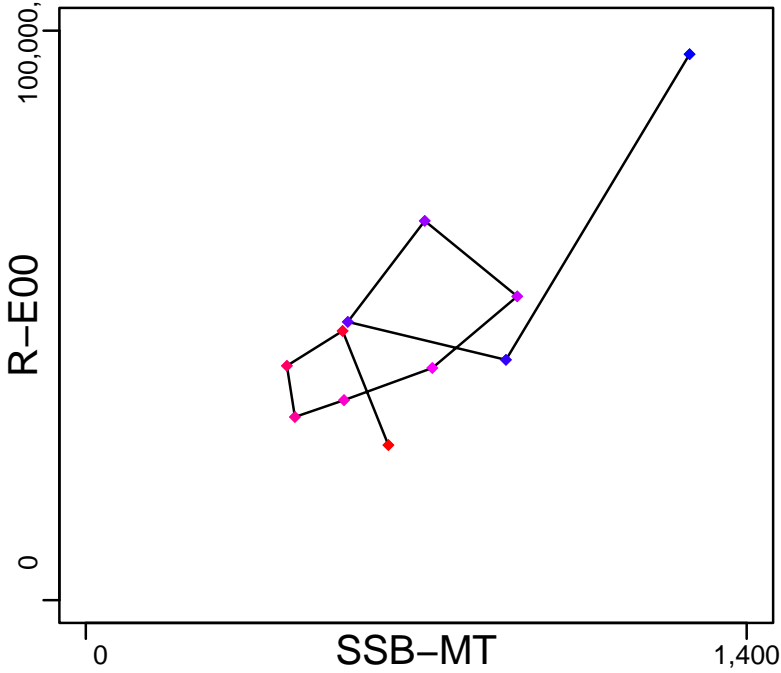
Kobe MSYpref (2006–2016–MEDIMP2021–2)



Kobe MGTpref (2006–2016–MEDIMP2021–2)



Spawner Recruit (2006–2016–MEDIMP2021–2)



Production*



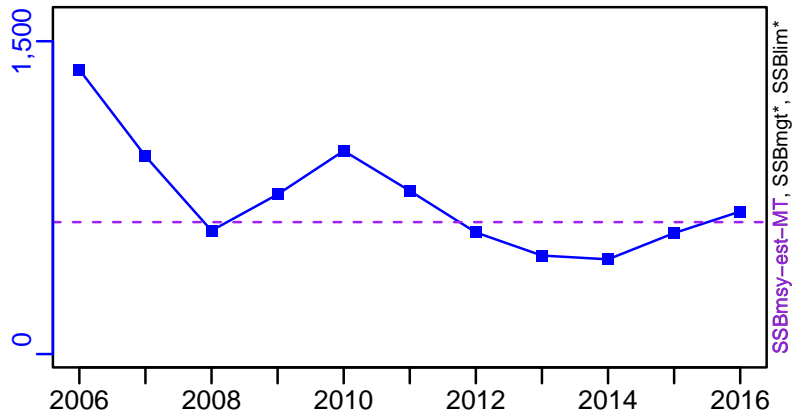
◆ Start Year ◆ End Year * No Data

Red mullet Western Ionian Sea [RMULLMEDGSA19]

TB*



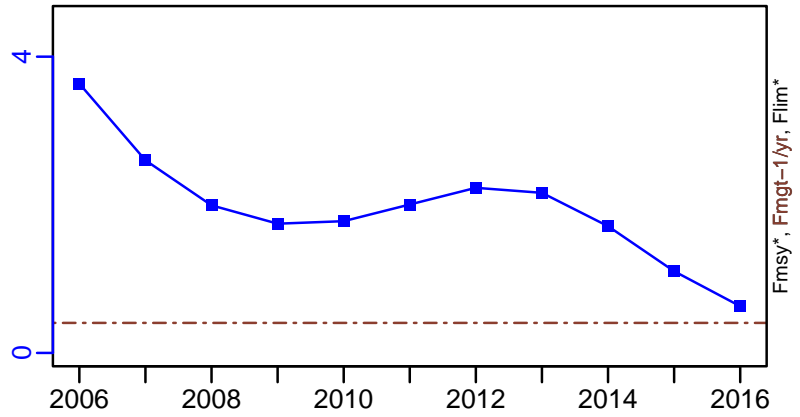
SSB-MT (2006-2016-MEDIMP2021-2)



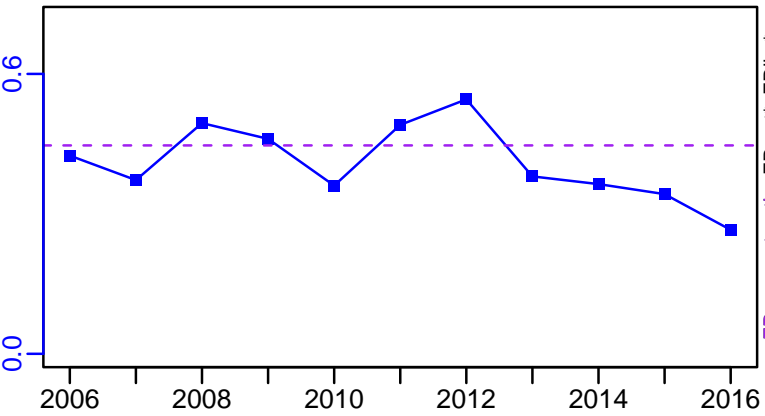
TN *



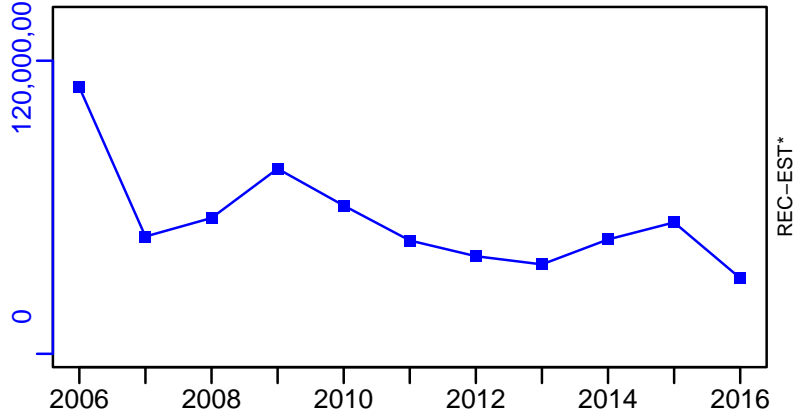
F-1/yr (2006-2016-MEDIMP2021-2)



ER-calc-ratio (2006-2016-MEDIMP2021-2)



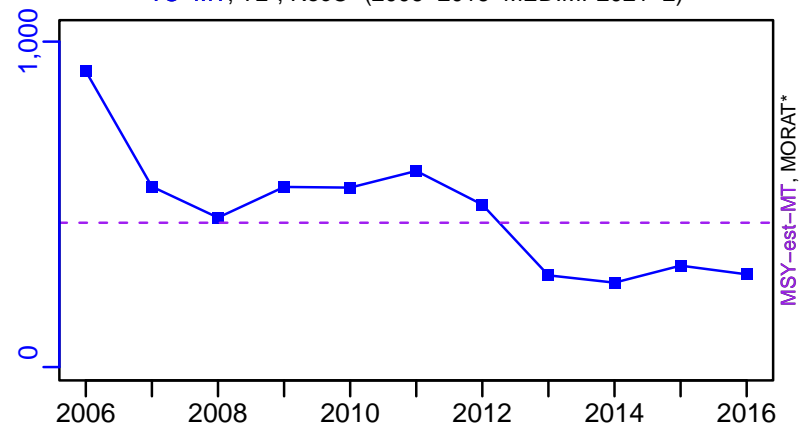
R-E00 (2006-2016-MEDIMP2021-2)



Red mullet Western Ionian Sea [RMULLMEDGSA19]

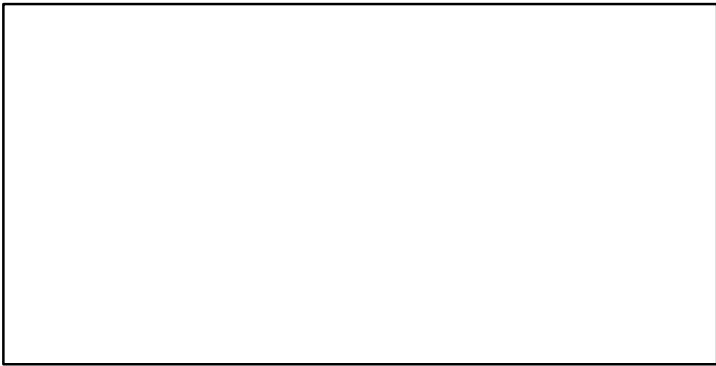
TC-MT, TL*, RecC* (2006-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



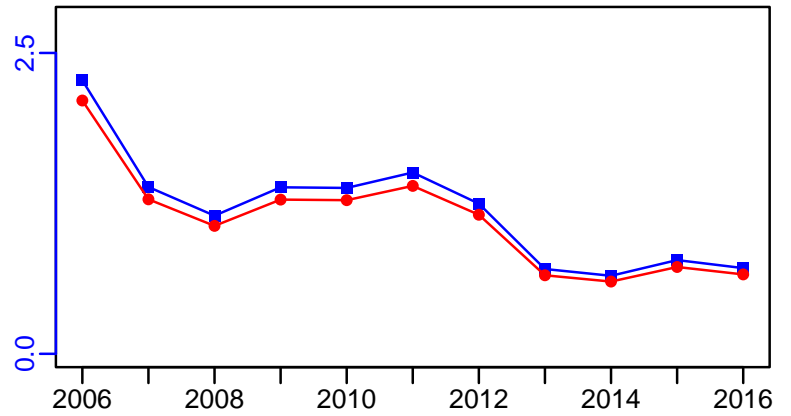
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2006-2016-MEDIMP2021-2)



Red mullet Aegean Sea [RMULLMEDGSA22]

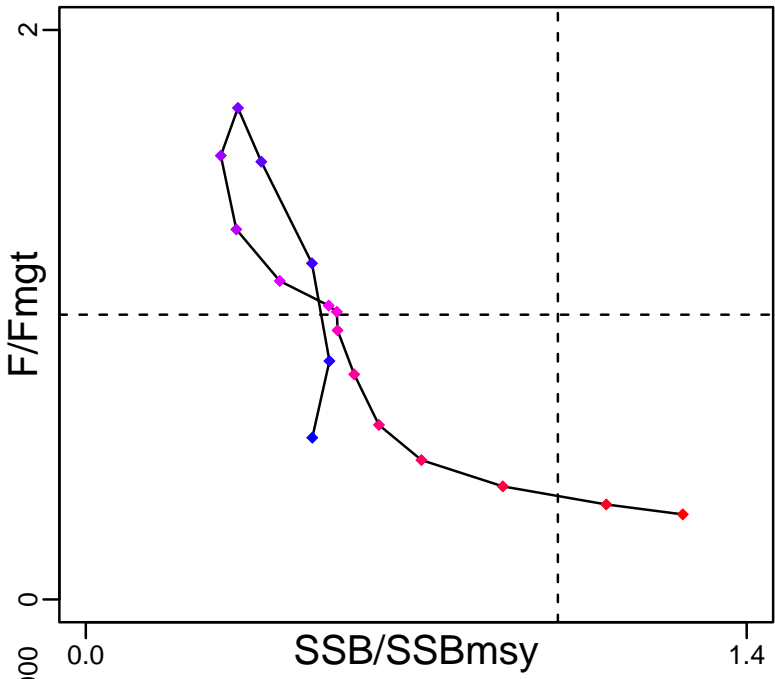
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA22-2003-2019-MEDIMP2021-2
Area	Aegean Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.501
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

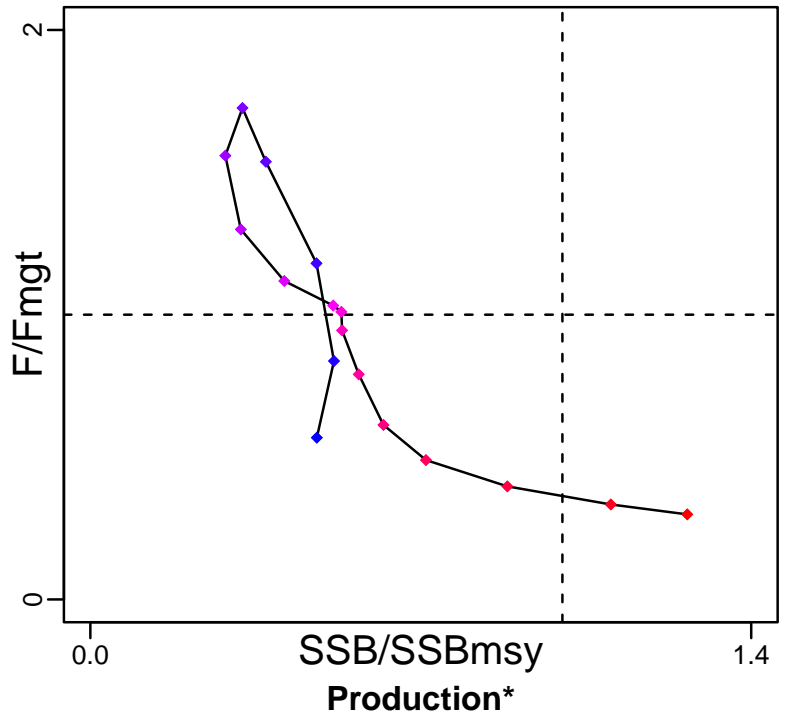
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	12,379	-	-
TN	-	-	-	-	-
R	R-E00	2019	2×10^{11}	-	-
F	F-1/yr	2019	0.15	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	1804		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.299		
ER/ERmgt	-	-	-		

Red mullet Aegean Sea [RMULLMEDGSA22]

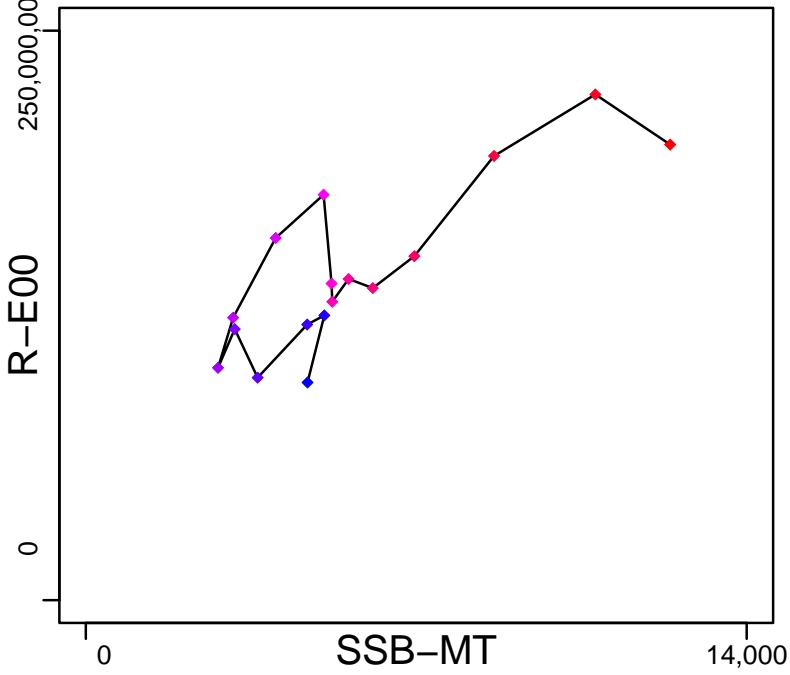
Kobe MSYpref (2003–2019–MEDIMP2021–2)



Kobe MGTpref (2003–2019–MEDIMP2021–2)



Spawner Recruit (2003–2019–MEDIMP2021–2)



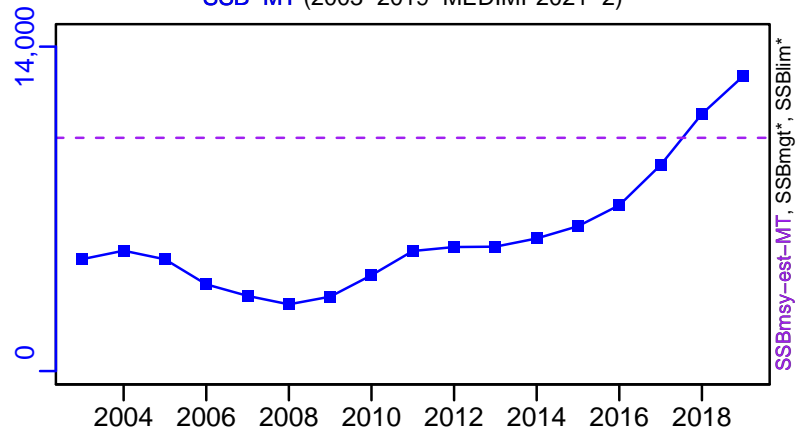
◆ Start Year ◆ End Year * No Data

Red mullet Aegean Sea [RMULLMEDGSA22]

TB*



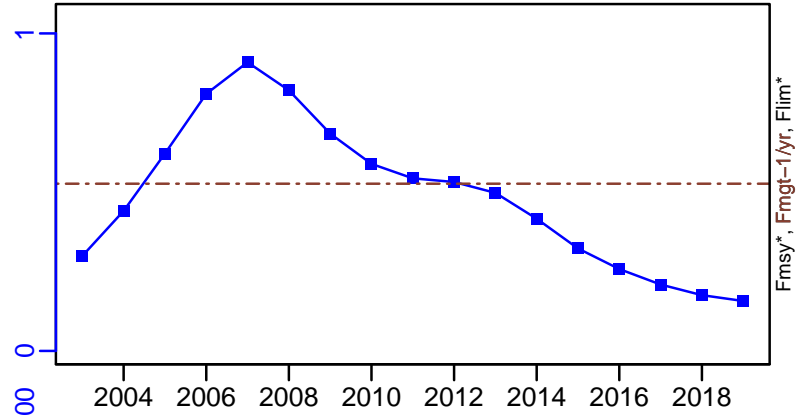
SSB-MT (2003-2019-MEDIMP2021-2)



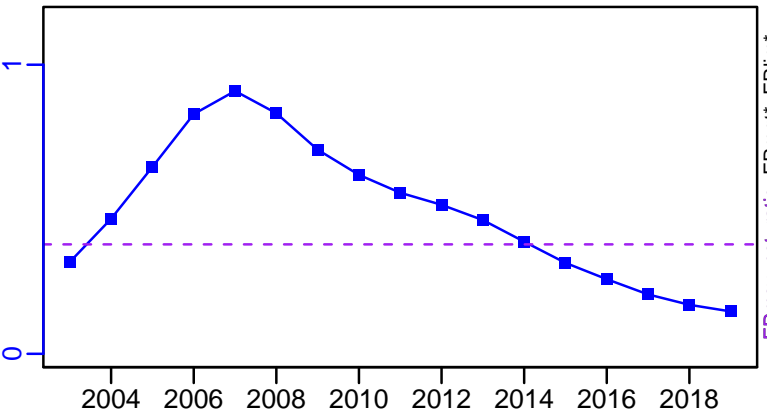
TN *



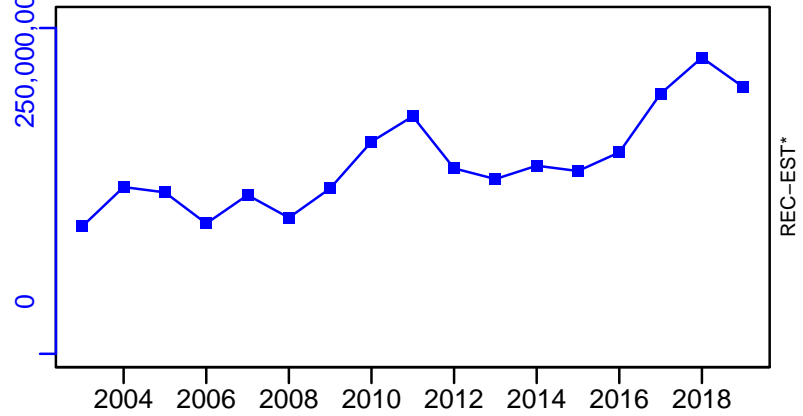
F-1/yr (2003-2019-MEDIMP2021-2)



ER-calc-ratio (2003-2019-MEDIMP2021-2)



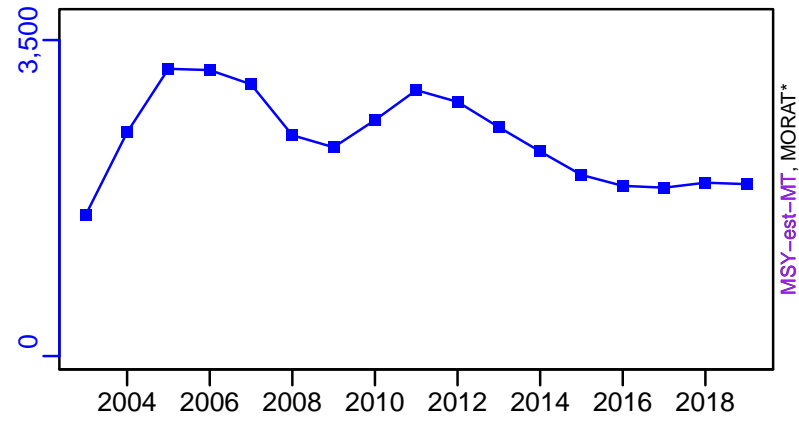
R-E00 (2003-2019-MEDIMP2021-2)



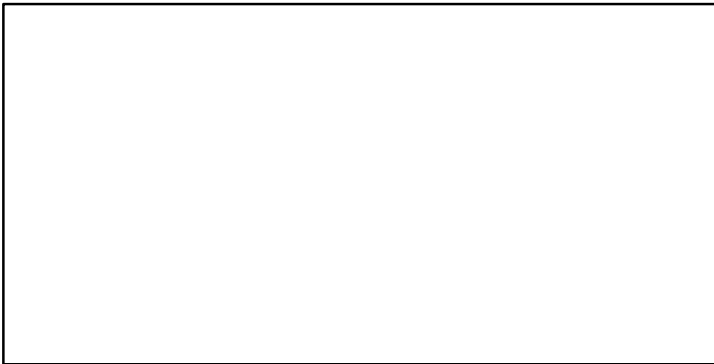
Red mullet Aegean Sea [RMULLMEDGSA22]

TC-MT, TL*, RecC* (2003-2019-MEDIMP2021-2)

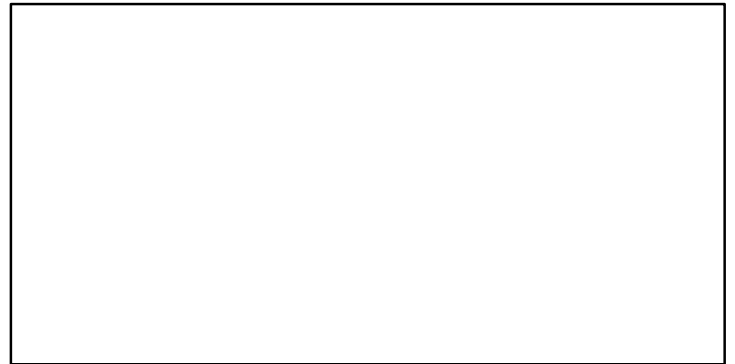
TAC*, Cpair*, Cadv*



survB*



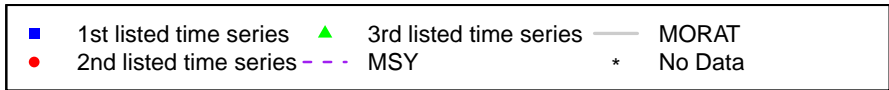
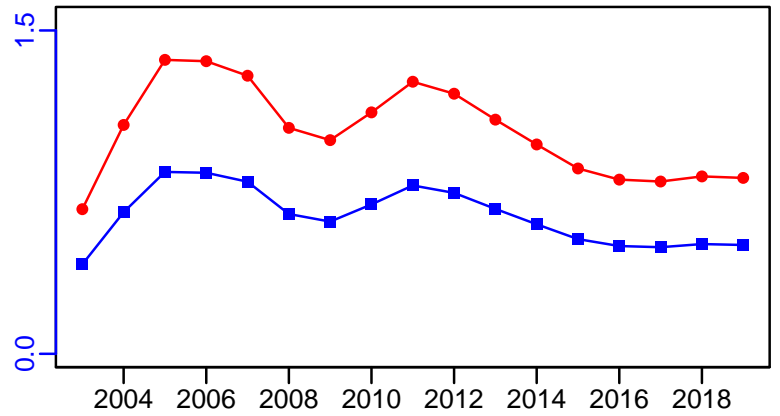
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2003-2019-MEDIMP2021-2)



Red mullet Cyprus Island [RMULLMEDGSA25]

Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA25-2005-2008-OSIO
Area	Cyprus Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2008	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	58	-	-
TN	-	-	-	-	-
R	R-E00	2008	1,480,000	-	-
F	F-1/yr	2008	0.84	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	33		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2008	3.818		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Red mullet Cyprus Island [RMULLMEDGSA25]

TB*



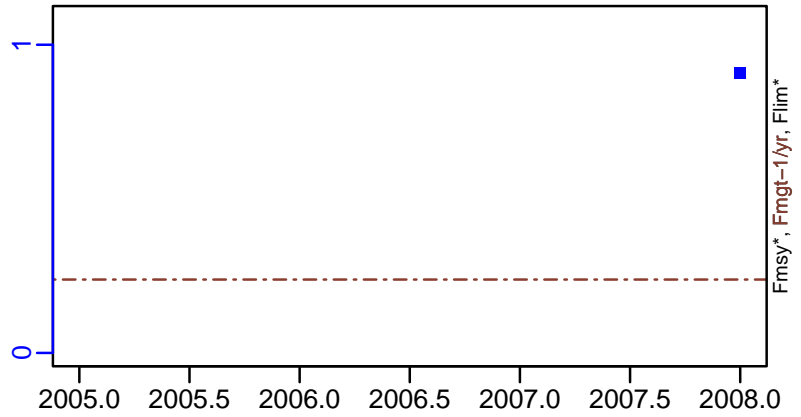
SSB-MT (2005-2008-OSIO)



TN *



F-1/yr (2005-2008-OSIO)



ER-calc-ratio (2005-2008-OSIO)



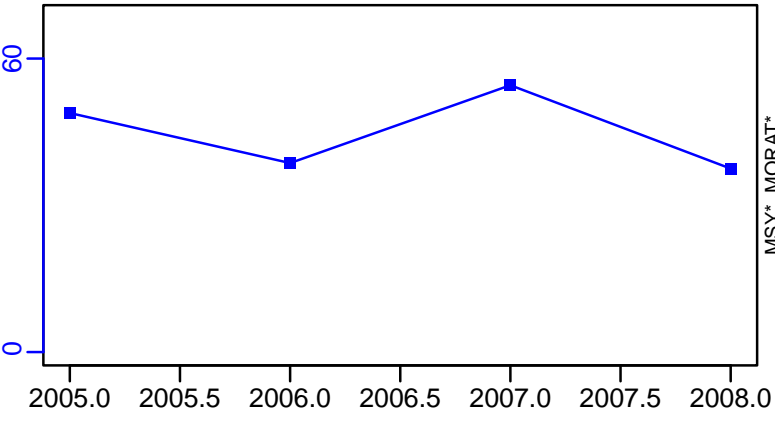
R-E00 (2005-2008-OSIO)



Red mullet Cyprus Island [RMULLMEDGSA25]

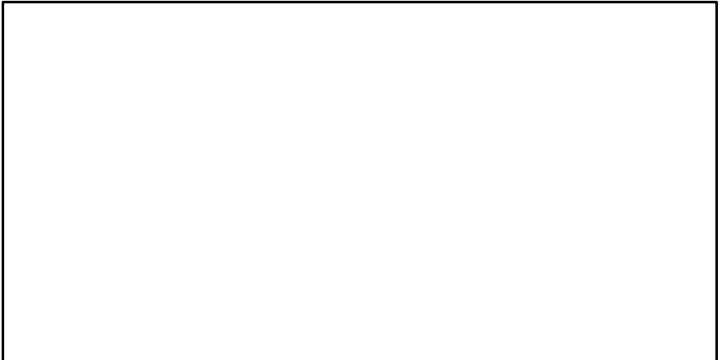
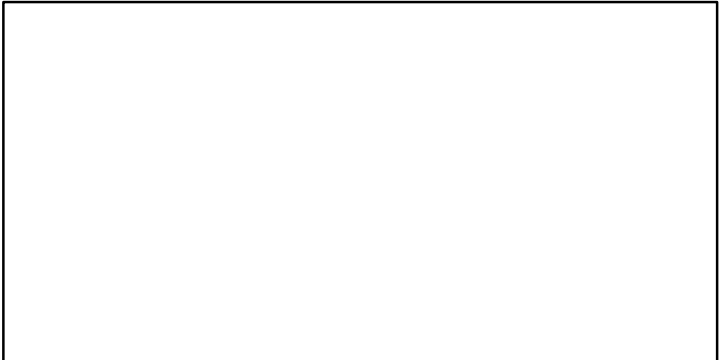
TC-MT, TL*, RecC* (2005-2008-OSIO)

TAC*, Cpair*, Cadv*



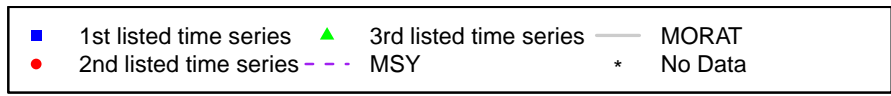
survB*

CPUE*



EFFORT*

CdivMSY*



Red mullet Black Sea [RMULLMEDGSA29]

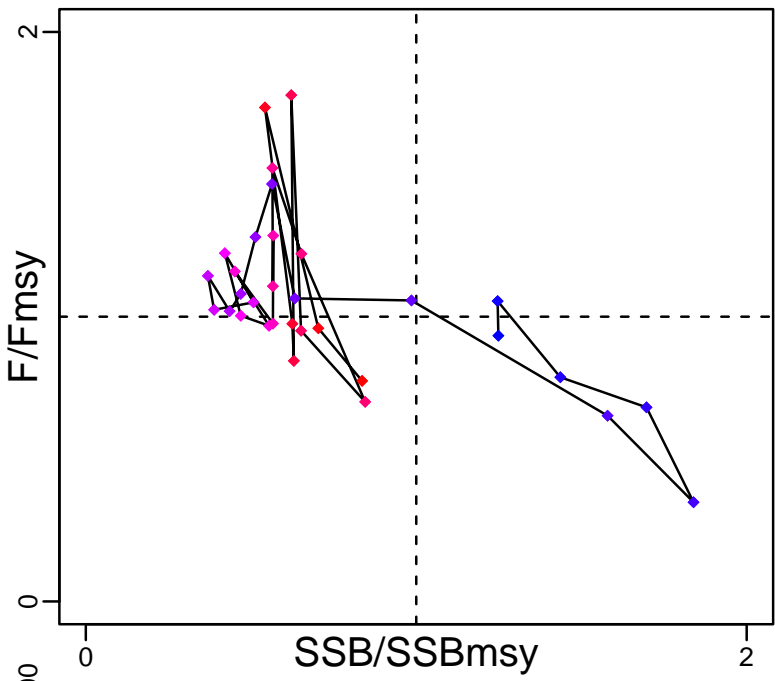
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	SGSABS-RMULLMEDGSA29-1990-2021-HIVELY
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Subregional Group on Stock Assessment for the Black Sea
Asmts in RAM	2021, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2021	0.7
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.7
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

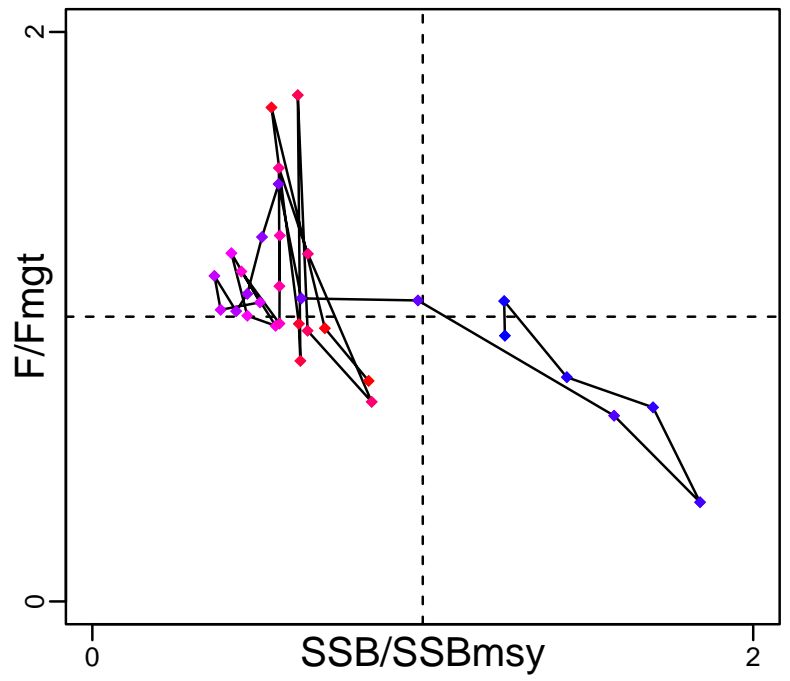
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	6933	-	-
TN	-	-	-	-	-
R	R-E00	2021	2,822,999,790	-	0
F	F-1/yr	2021	0.542	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	3617		
TL	TL-MT	2021	3151		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2021	0.775		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.775		
ER/ERmgt	-	-	-		

Red mullet Black Sea [RMULLMEDGSA29]

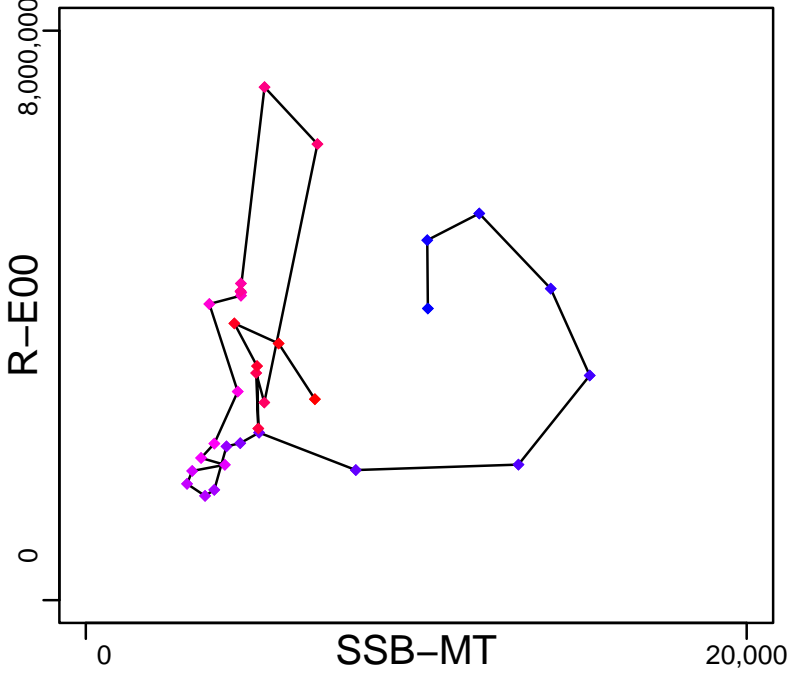
Kobe MSYpref (1990–2021–HIVELY)



Kobe MGTpref (1990–2021–HIVELY)



Spawner Recruit (1990–2021–HIVELY)



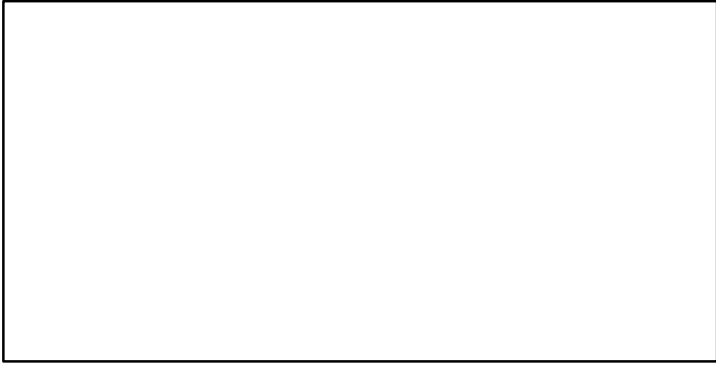
Production*



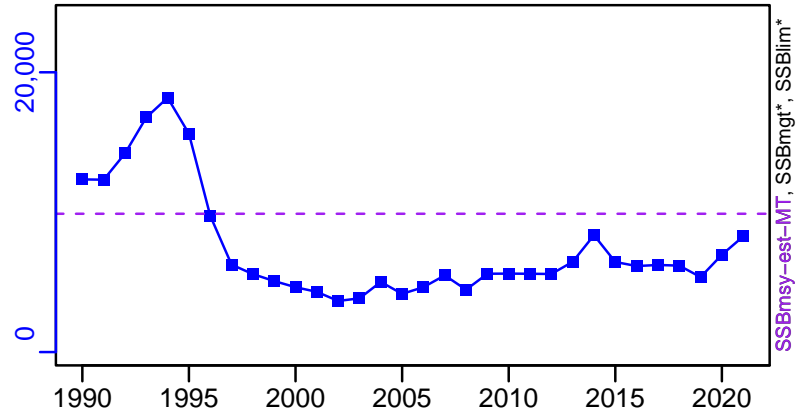
◆ Start Year ◆ End Year * No Data

Red mullet Black Sea [RMULLMEDGSA29]

TB*



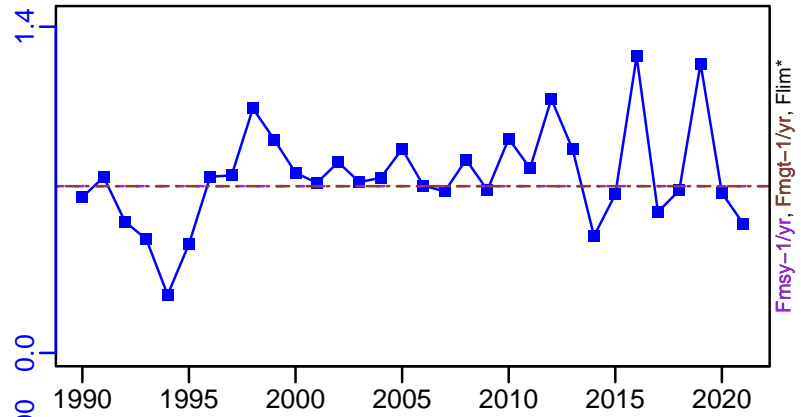
SSB-MT (1990-2021-HIVELY)



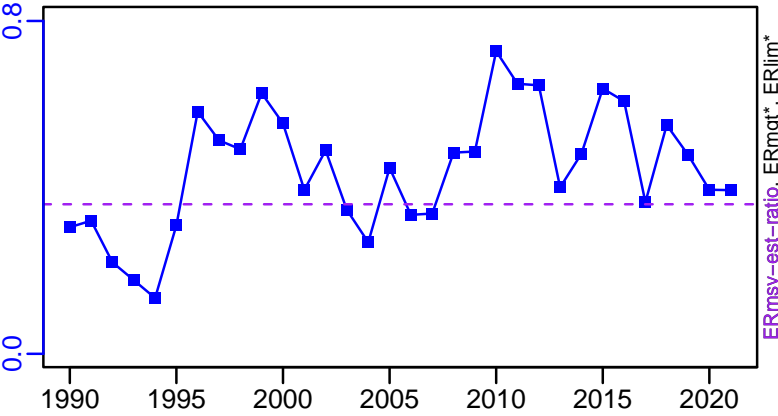
TN *



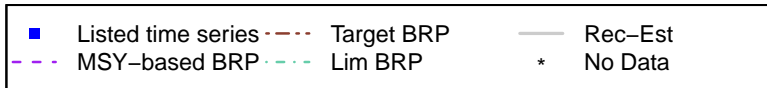
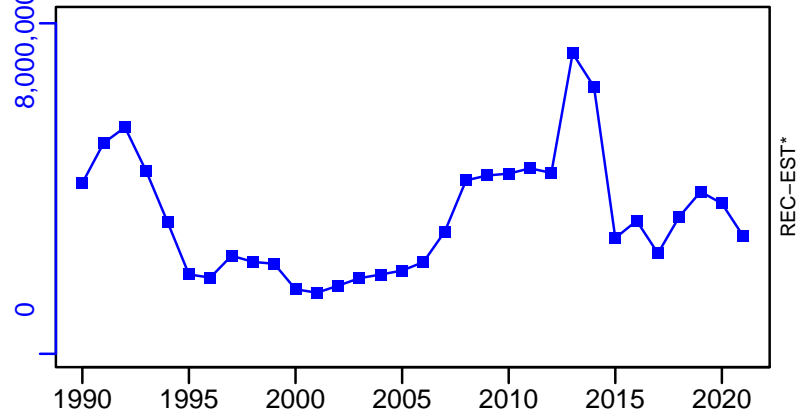
F-1/yr (1990-2021-HIVELY)



ER-calc-ratio (1990-2021-HIVELY)



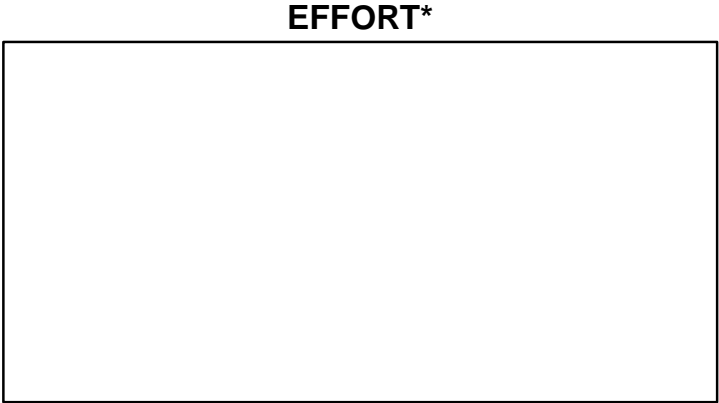
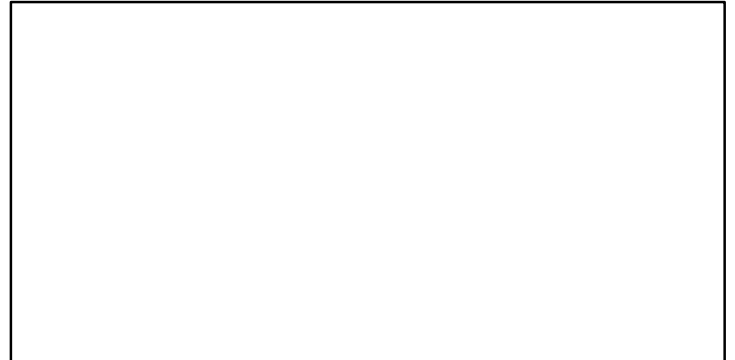
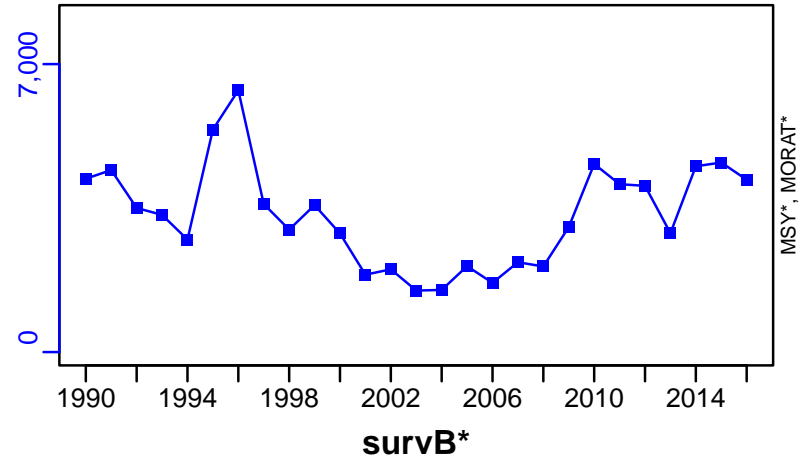
R-E00 (1990-2021-HIVELY)



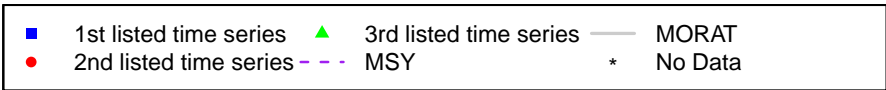
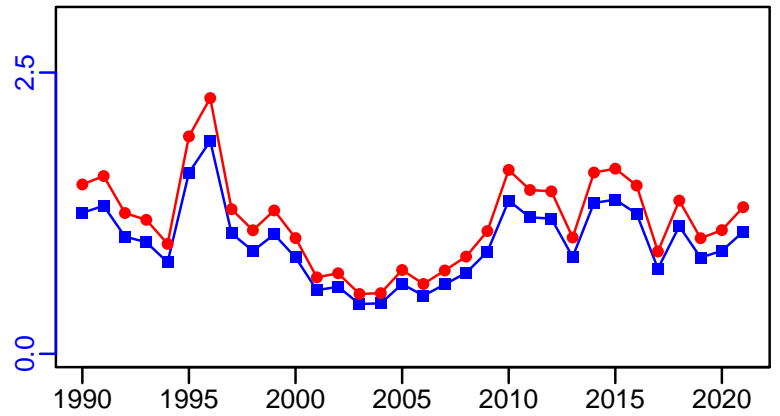
Red mullet Black Sea [RMULLMEDGSA29]

TC-MT, TL*, RecC* (1990-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1990-2021-HIVELY)



Red mullet Balearic Island [RMULLMEDGSA5]

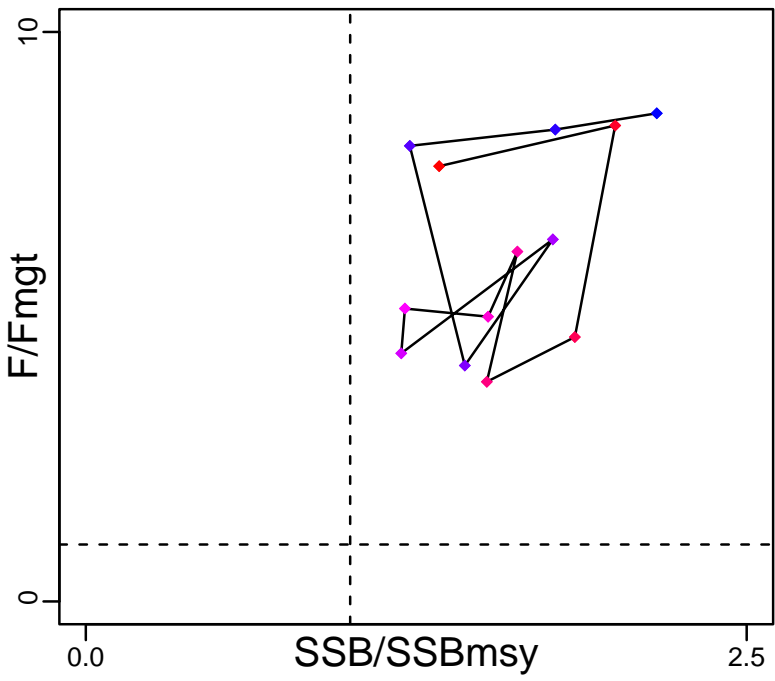
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA5-2000-2012-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.14
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

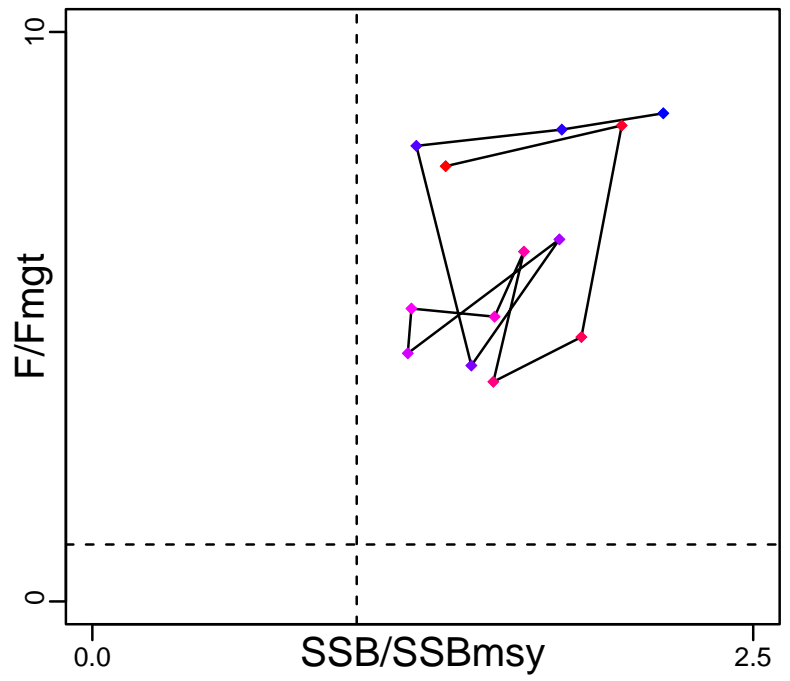
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	29	-	1+
TN	-	-	-	-	-
R	R-E00	2012	1,050,000	-	-
F	F-1/yr	2012	1.07	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	16		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	7.643		
ER/ERmgt	-	-	-		

Red mullet Balearic Island [RMULLMEDGSA5]

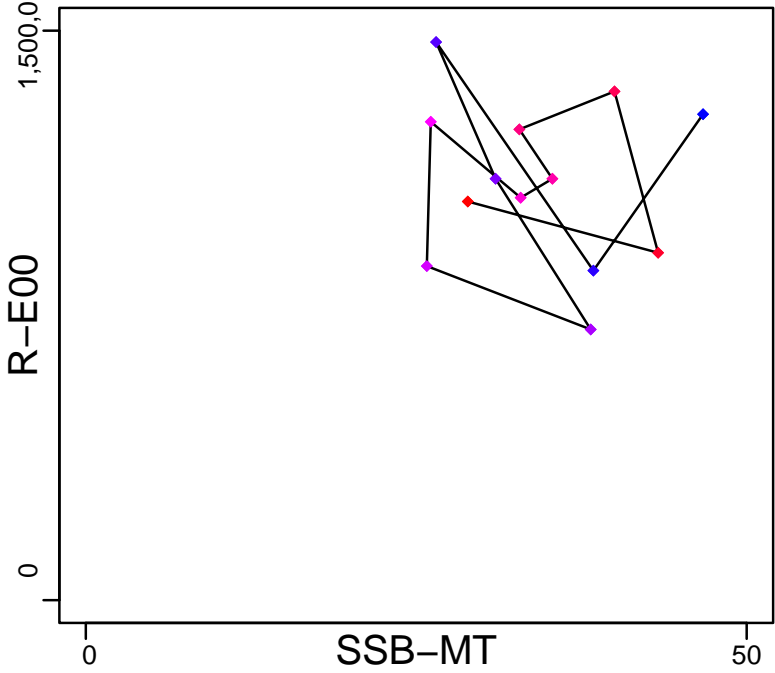
Kobe MSYpref (2000–2012–OSIO)



Kobe MGTpref (2000–2012–OSIO)



Spawner Recruit (2000–2012–OSIO)



Production*



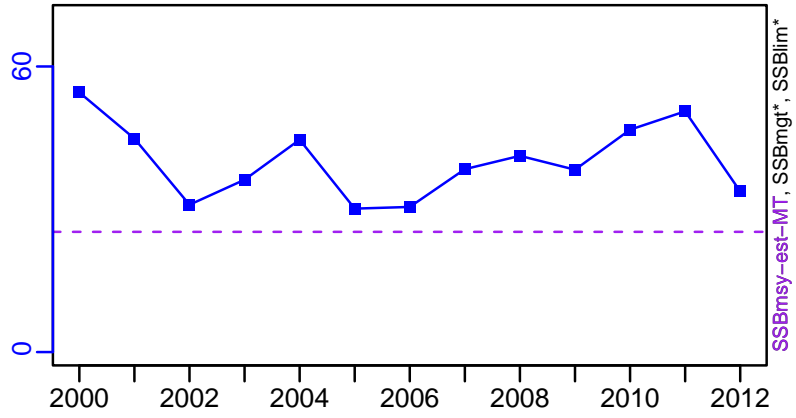
◆ Start Year ◆ End Year * No Data

Red mullet Balearic Island [RMULLMEDGSA5]

TB*



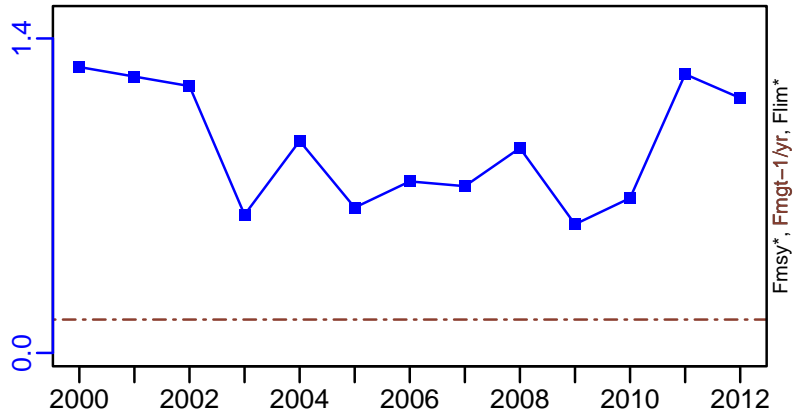
SSB-MT (2000-2012-OSIO)



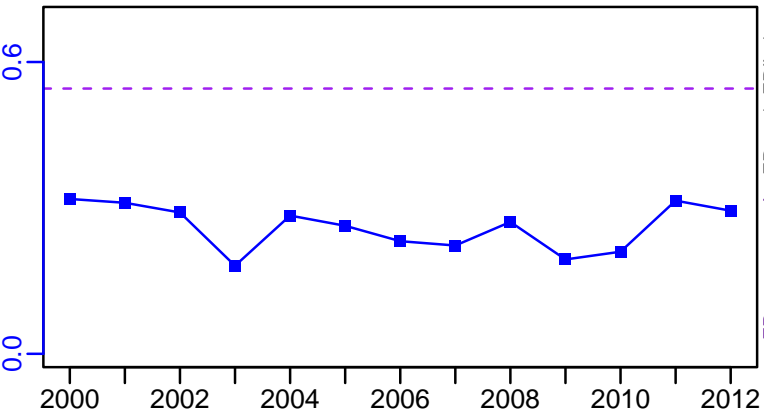
TN *



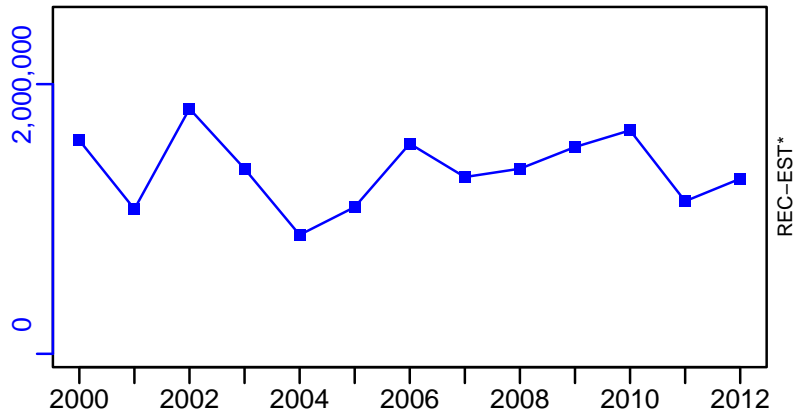
F-1/yr (2000-2012-OSIO)



ER-calc-ratio (2000-2012-OSIO)



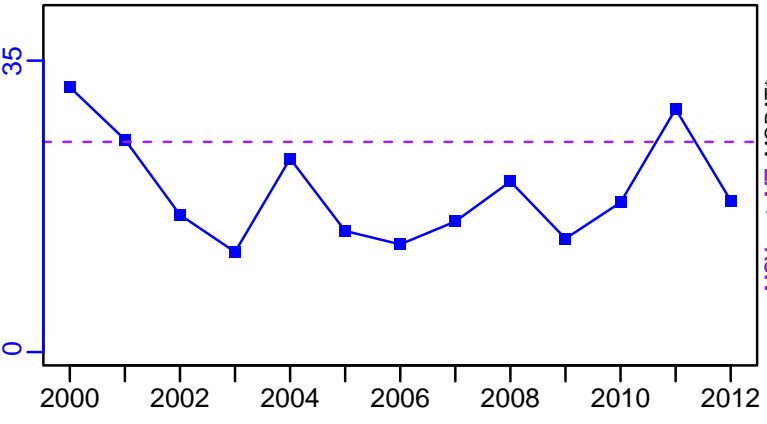
R-E00 (2000-2012-OSIO)



Red mullet Balearic Island [RMULLMEDGSA5]

TC-MT, TL*, RecC* (2000-2012-OSIO)

TAC*, Cpair*, Cadv*



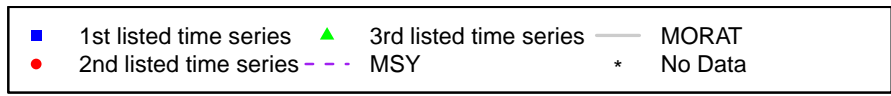
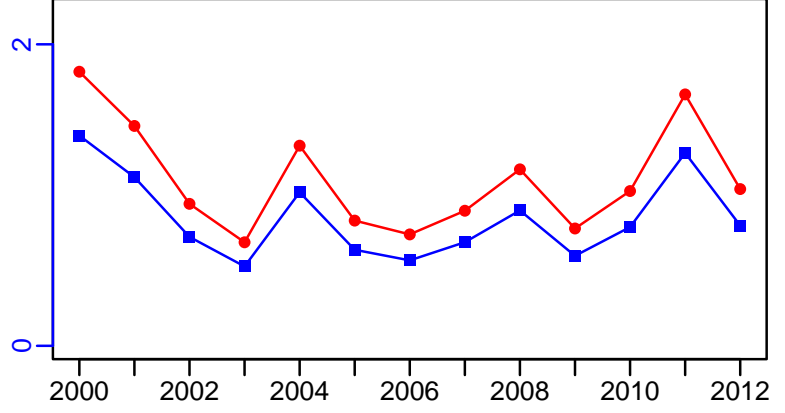
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2000-2012-OSIO)



Red mullet Northern Spain [RMULLMEDGSA6]

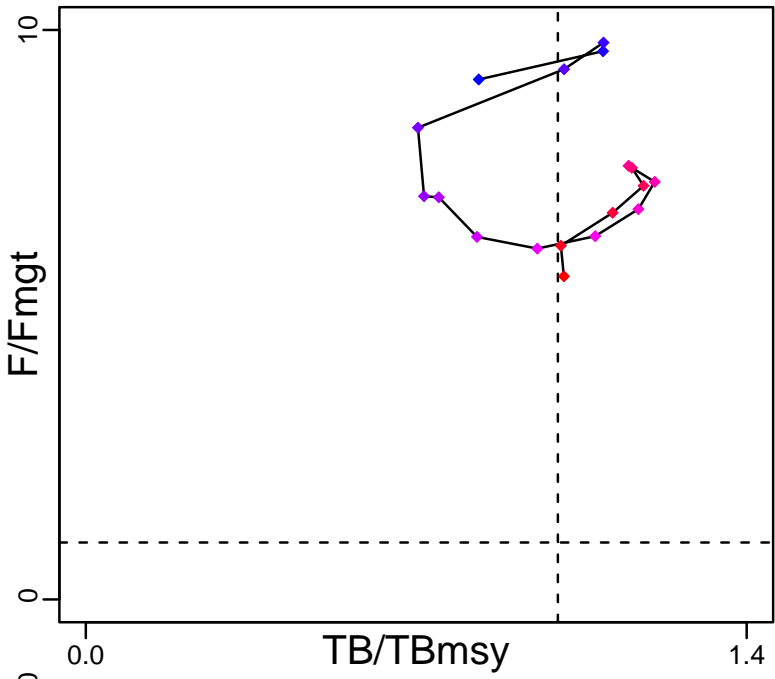
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	WGSAD-RMULLMEDGSA6-2004-2021-HIVELY
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2013, 2019, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.25
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

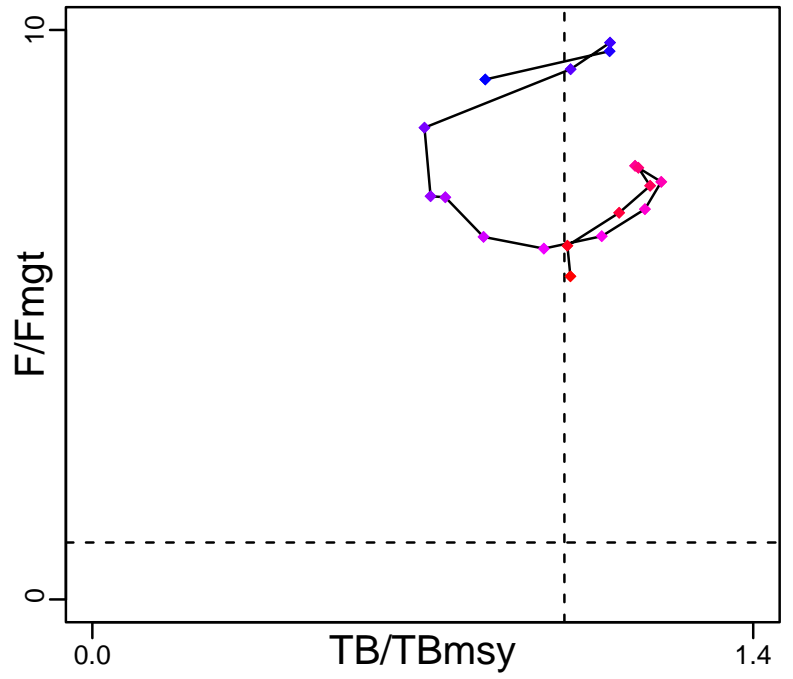
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	3006	-	-
SSB	SSB-MT	2021	849	-	-
TN	-	-	-	-	-
R	R-E00	2021	99,163,000	-	-
F	F-1/yr	2021	1.419	-	-
ER	ER-calc-ratio	2021	0.327	-	-
TC	TC-MT	2019	1546		
TL	TL-MT	2021	982		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	5.674		
ER/ERmgt	-	-	-		

Red mullet Northern Spain [RMULLMEDGSA6]

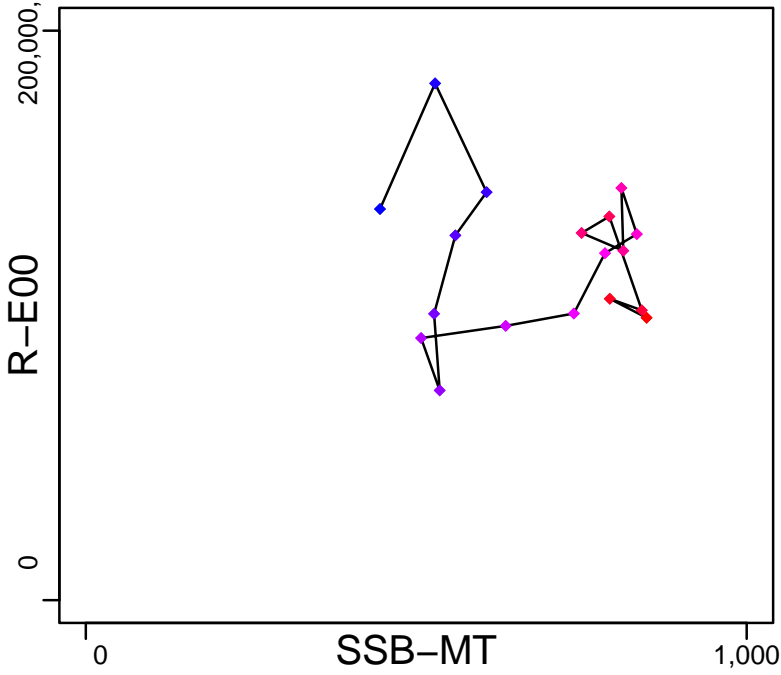
Kobe MSYpref (2004–2021–HIVELY)



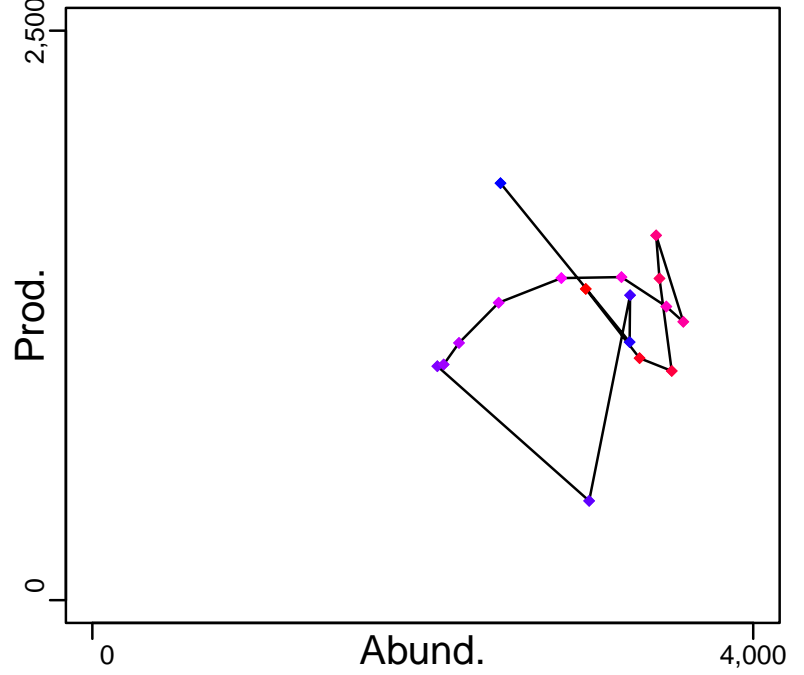
Kobe MGTpref (2004–2021–HIVELY)



Spawner Recruit (2004–2021–HIVELY)



Production (2004–2021–HIVELY)

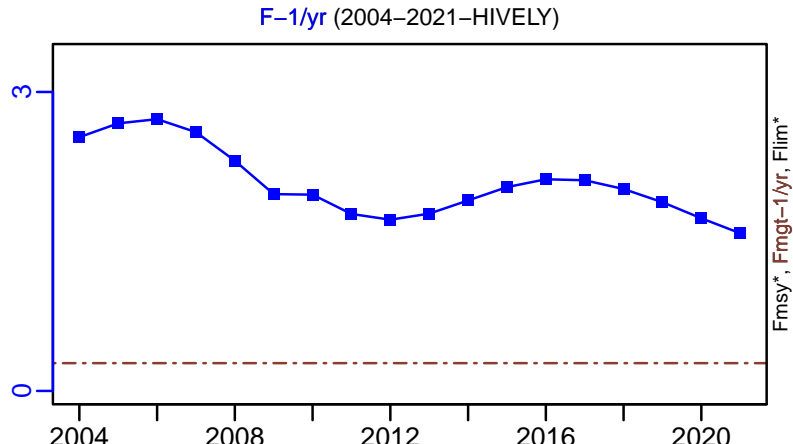
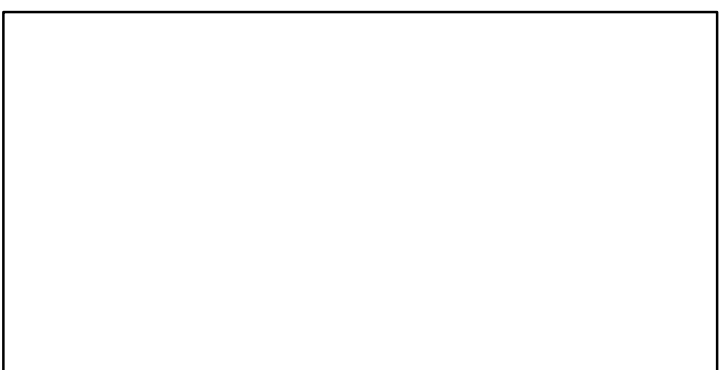
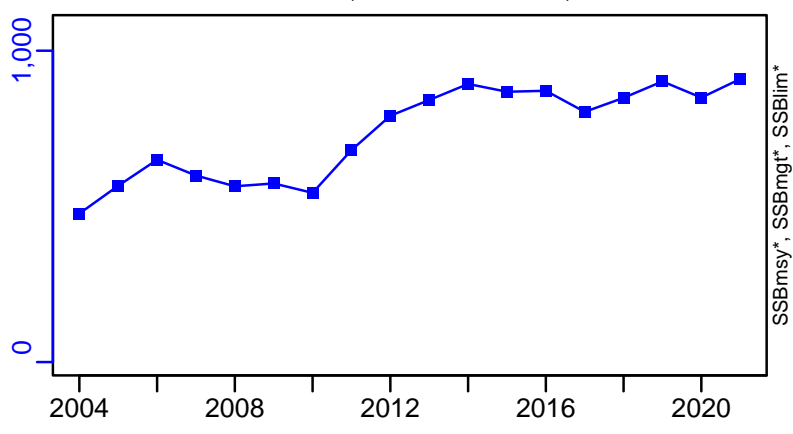
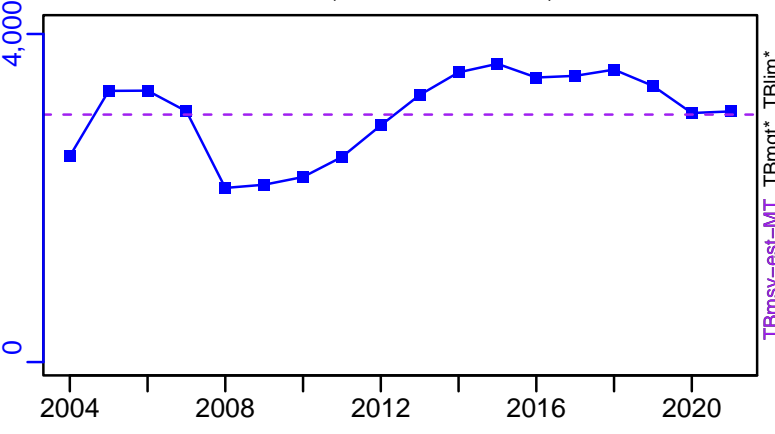


◆ Start Year ◆ End Year * No Data

Red mullet Northern Spain [RMULLMEDGSA6]

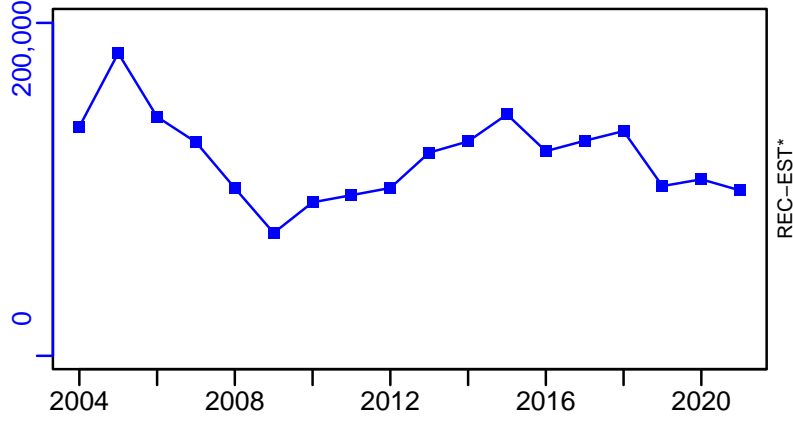
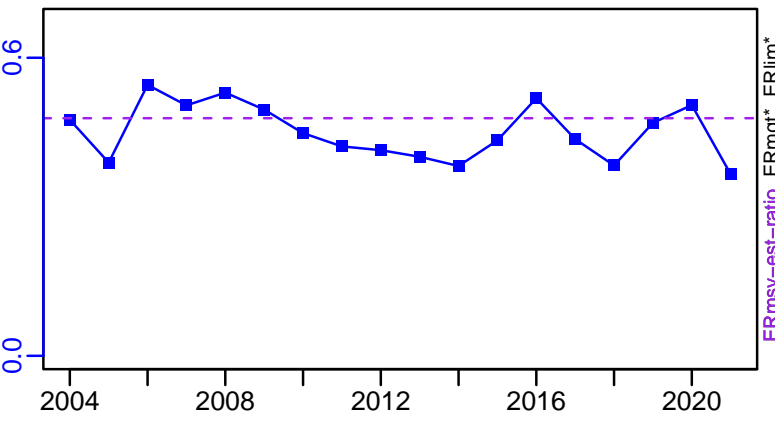
TB-MT (2004-2021-HIVELY)

SSB-MT (2004-2021-HIVELY)



ER-calc-ratio (2004-2021-HIVELY)

R-E00 (2004-2021-HIVELY)

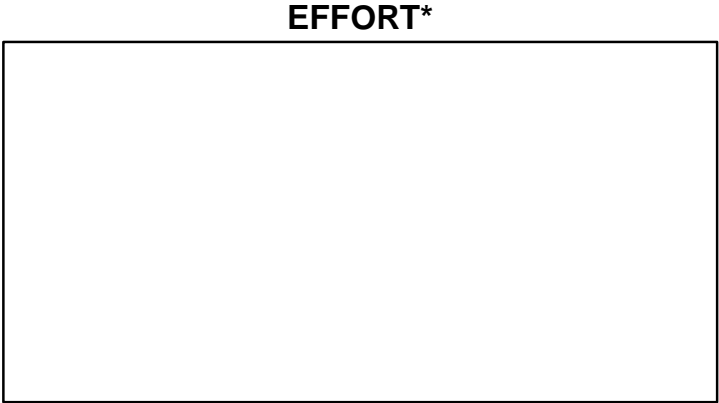
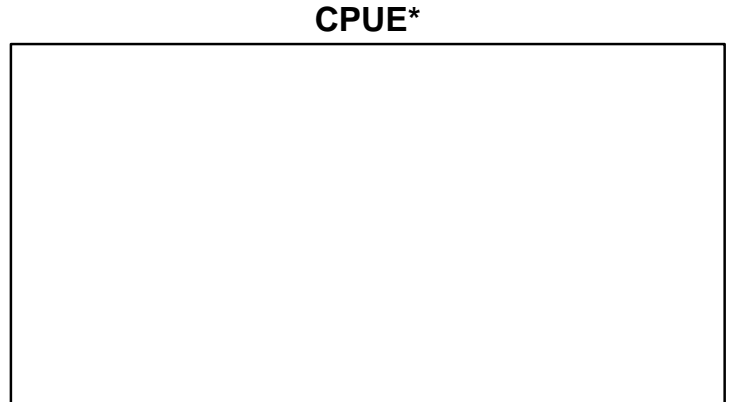
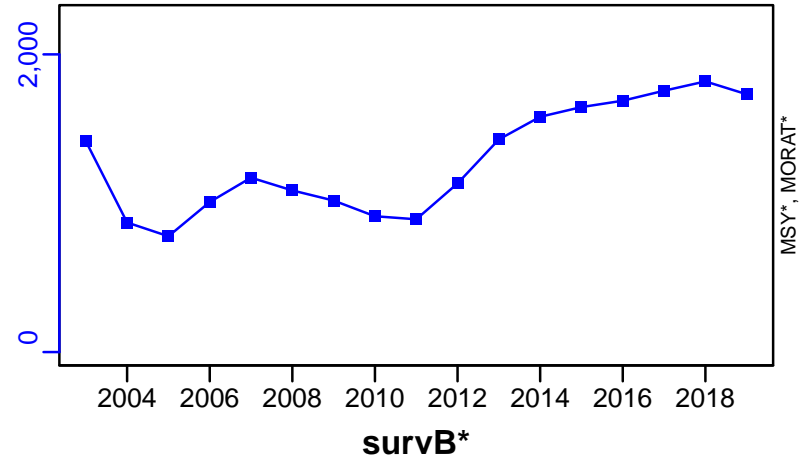


■ Listed time series	- - - Target BRP	— Rec-Est
- - - MSY-based BRP	- - - Lim BRP	* No Data

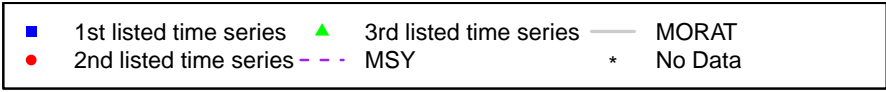
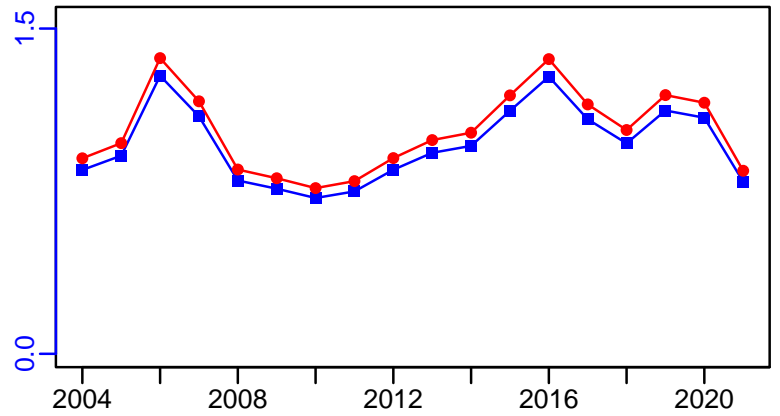
Red mullet Northern Spain [RMULLMEDGSA6]

TC-MT, TL*, RecC* (2003-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (2004-2021-HIVELY)



Red mullet Gulf of Lions [RMULLMEDGSA7]

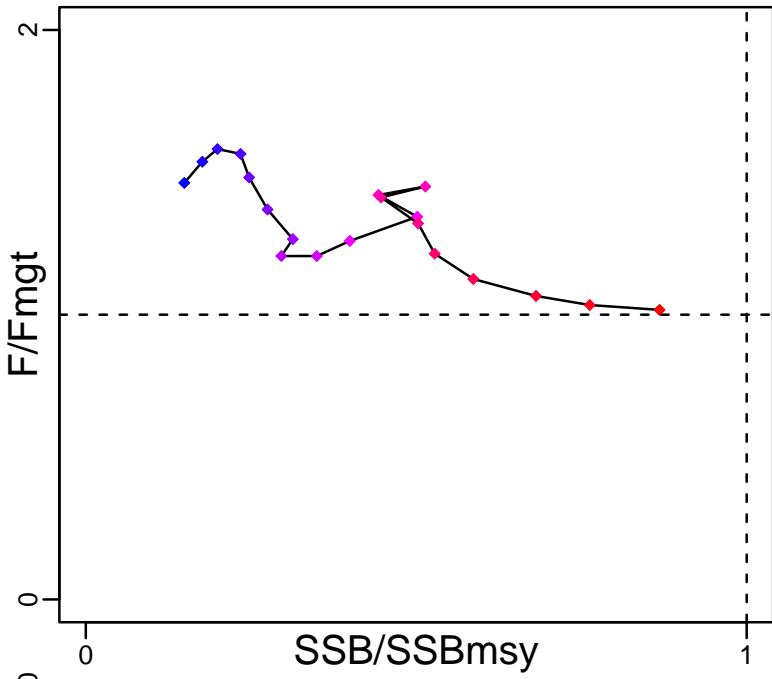
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	WGSAD-RMULLMEDGSA7-2002-2021-HIVELY
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2019, 2013, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2021	870
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2021	870
Fmgt	Fmgt-1/yr	2021	0.471
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	123
Flim	-	-	-
ERlim	-	-	-

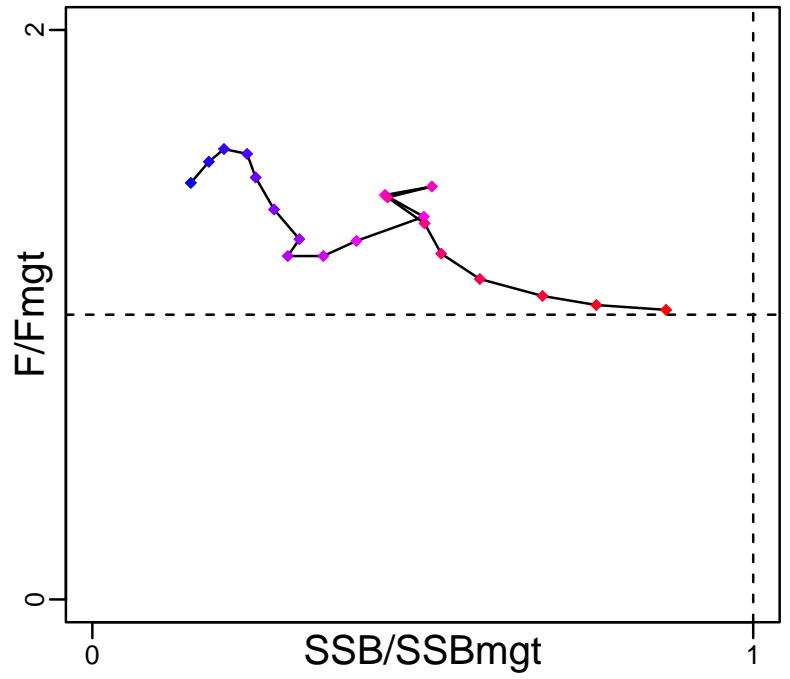
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	755	-	-
TN	-	-	-	-	-
R	R-E00	2021	109,799,920	-	-
F	F-1/yr	2021	0.479	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	320		
TL	TL-MT	2021	432		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2021	0.868		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2021	0.868		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	1.017		
ER/ERmgt	-	-	-		

Red mullet Gulf of Lions [RMULLMEDGSA7]

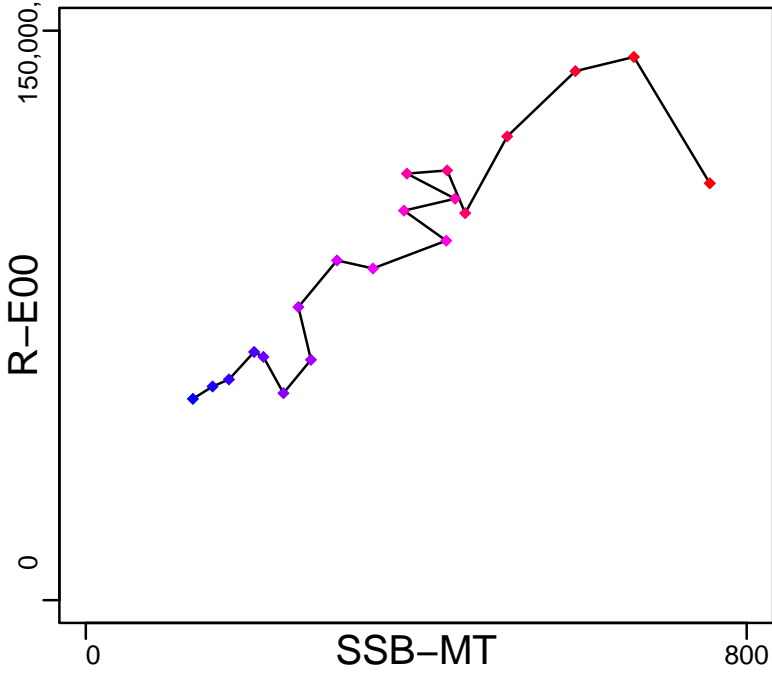
Kobe MSYpref (2002–2021–HIVELY)



Kobe MGTpref (2002–2021–HIVELY)



Spawner Recruit (2002–2021–HIVELY)



Production*



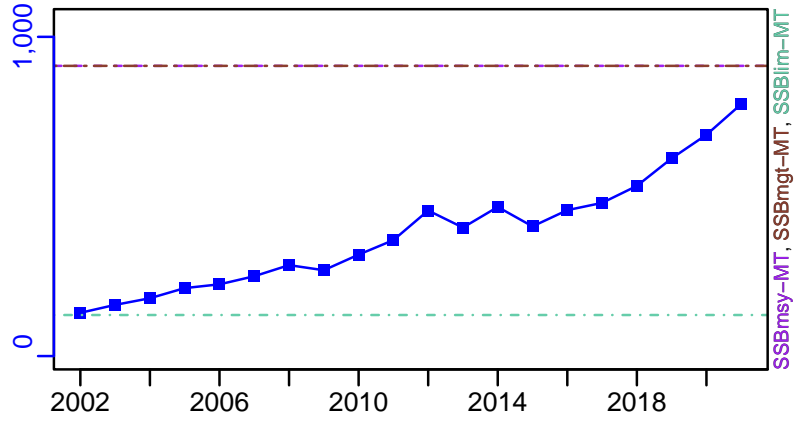
◆ Start Year ◆ End Year * No Data

Red mullet Gulf of Lions [RMULLMEDGSA7]

TB*



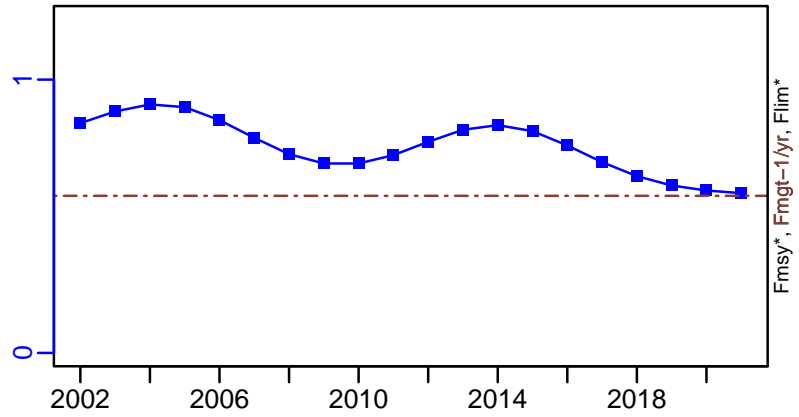
SSB-MT (2002-2021-HIVELY)



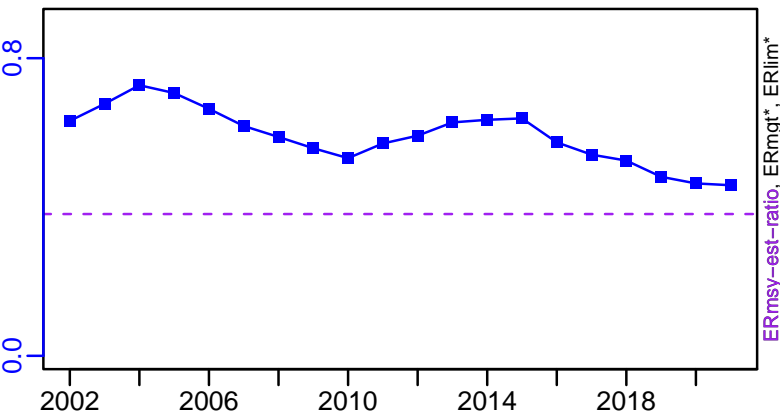
TN *



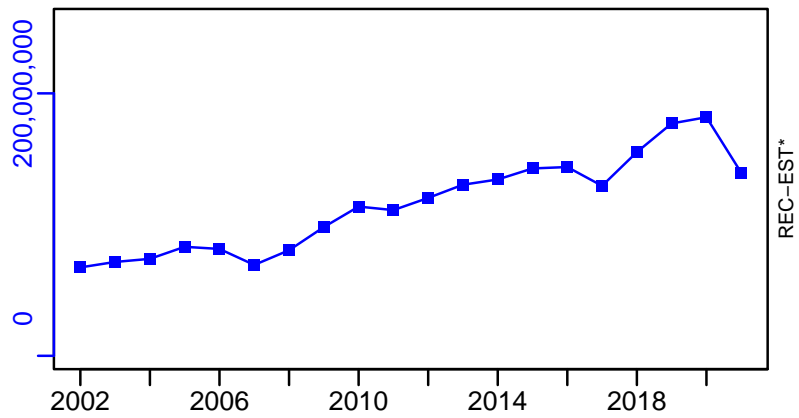
F-1/yr (2002-2021-HIVELY)



ER-calc-ratio (2002-2021-HIVELY)



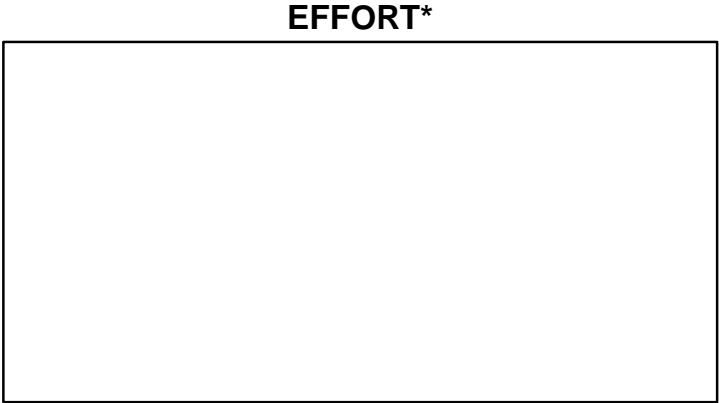
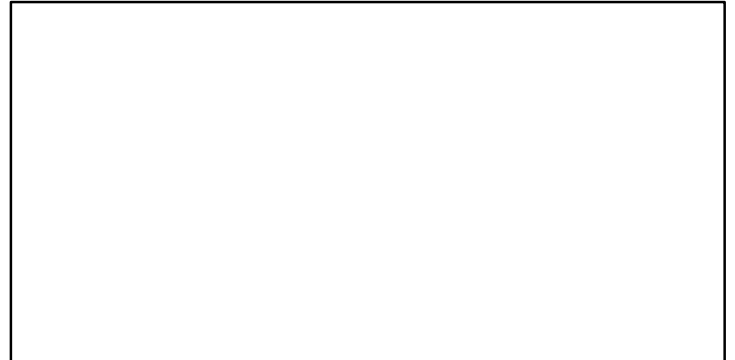
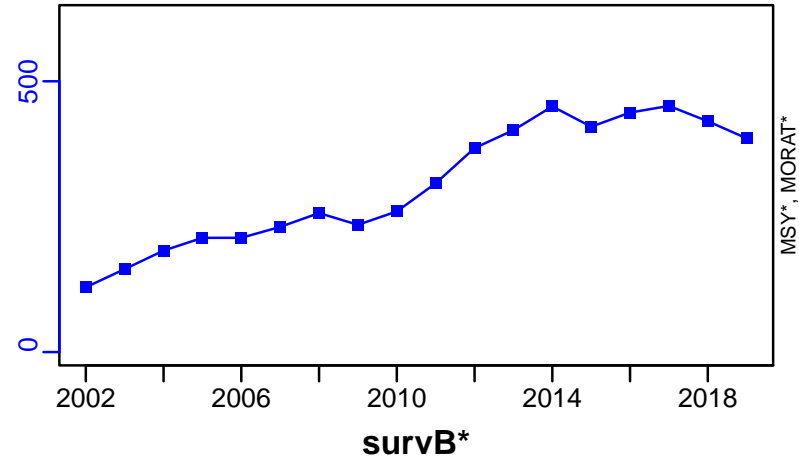
R-E00 (2002-2021-HIVELY)



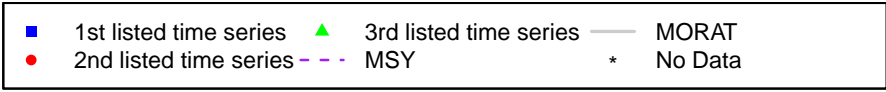
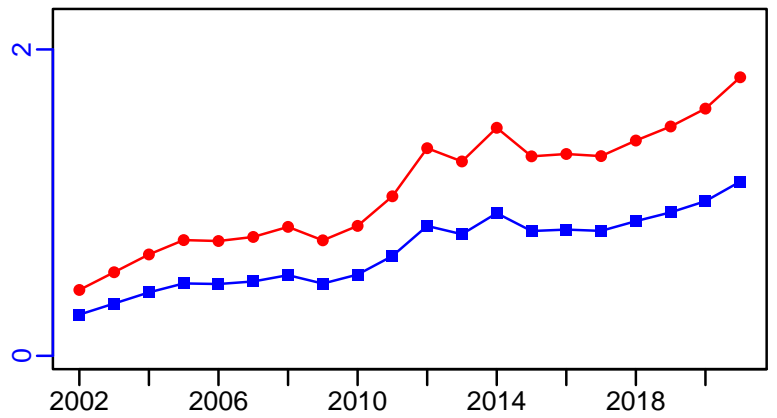
Red mullet Gulf of Lions [RMULLMEDGSA7]

TC-MT, TL*, RecC* (2002-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2021-HIVELY)



Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

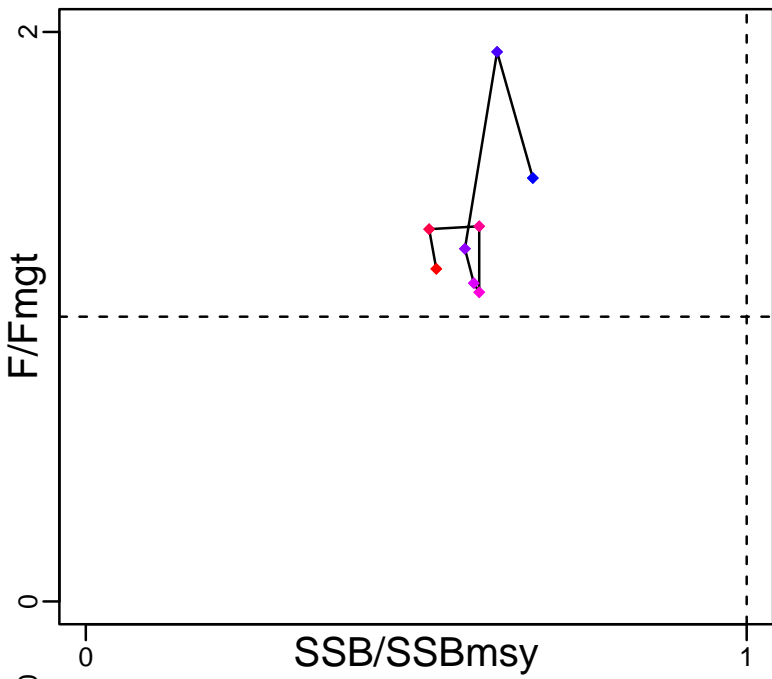
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA9-2004-2019-MEDIMP2021-2
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.506
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

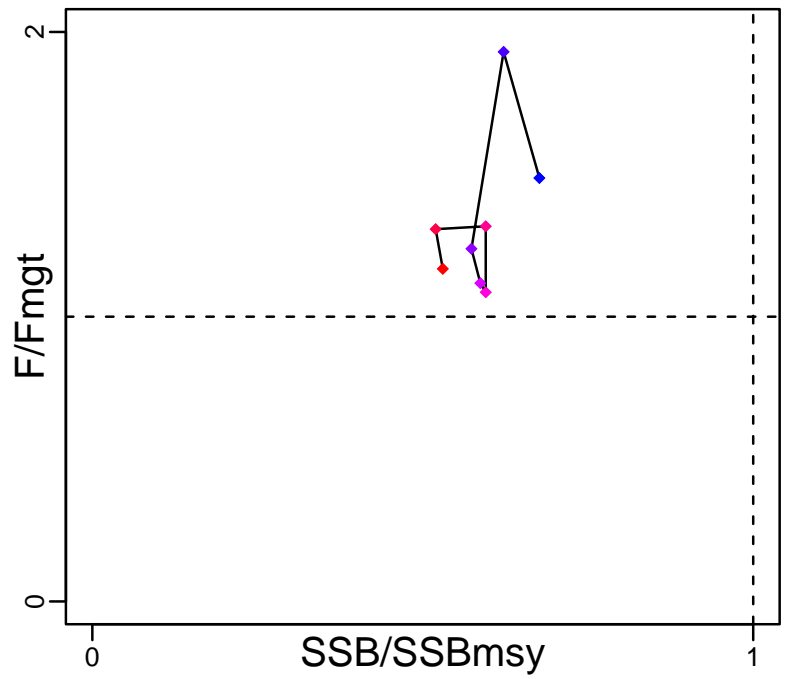
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	1409	-	-
TN	-	-	-	-	-
R	R-E00	2019	271,663,084	-	-
F	F-1/yr	2019	0.846	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	1011		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.67		
ER/ERmgt	-	-	-		

Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

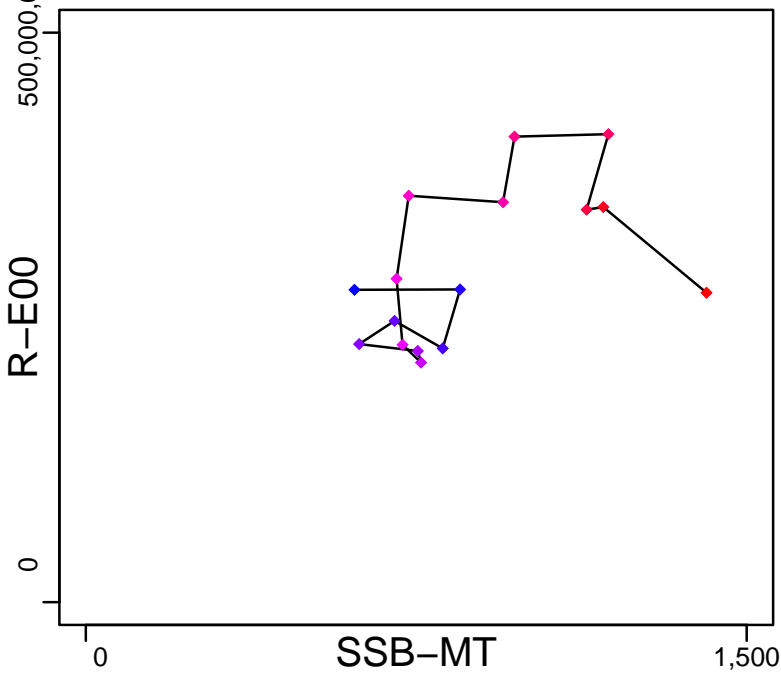
Kobe MSYpref (2006–2013–OSIO)



Kobe MGTpref (2006–2013–OSIO)



Spawner Recruit (2004–2019–MEDIMP2021–2)



Production*



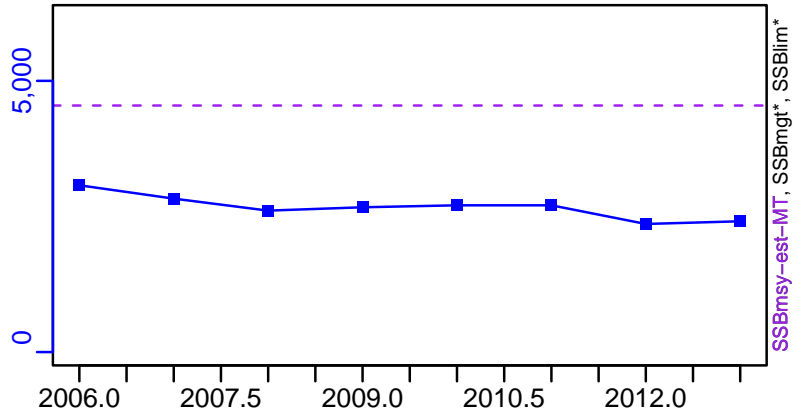
◆ Start Year ◆ End Year * No Data

Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

TB*



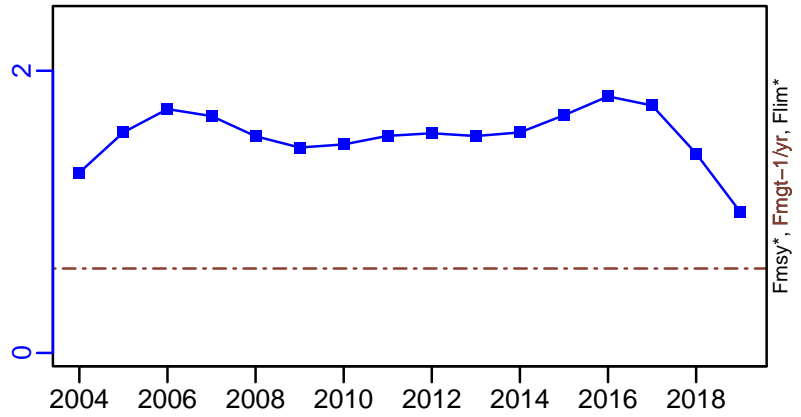
SSB-MT (2006-2013-OSIO)



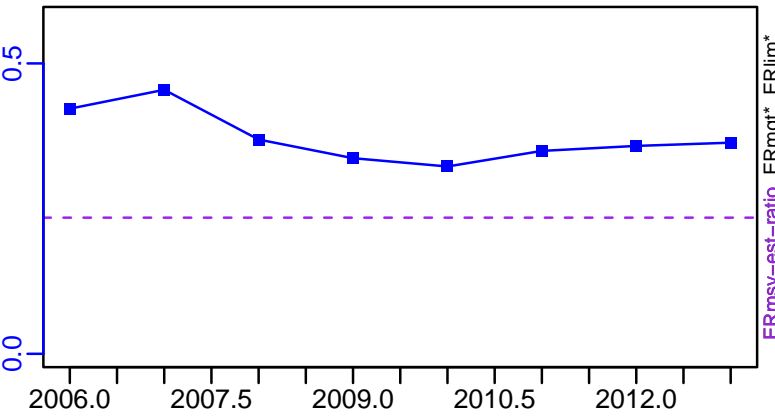
TN *



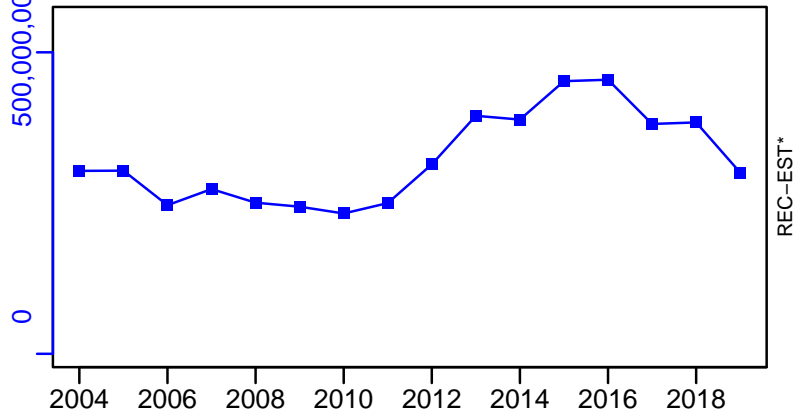
F-1/yr (2004-2019-MEDIMP2021-2)



ER-calc-ratio (2006-2013-OSIO)



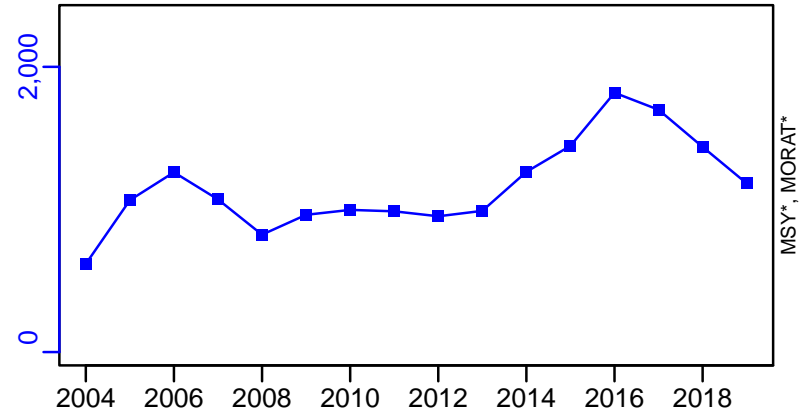
R-E00 (2004-2019-MEDIMP2021-2)



Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

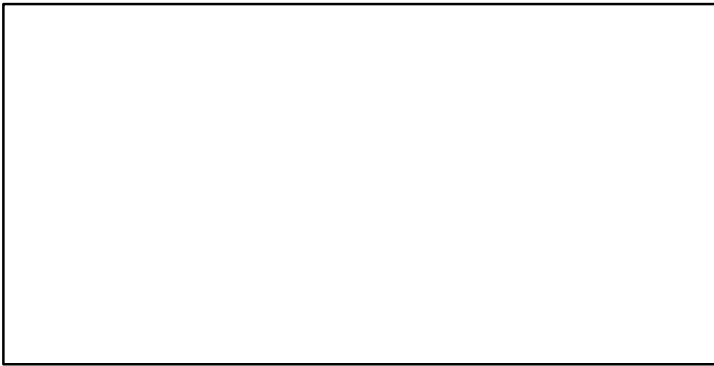
TC-MT, TL*, RecC* (2004-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



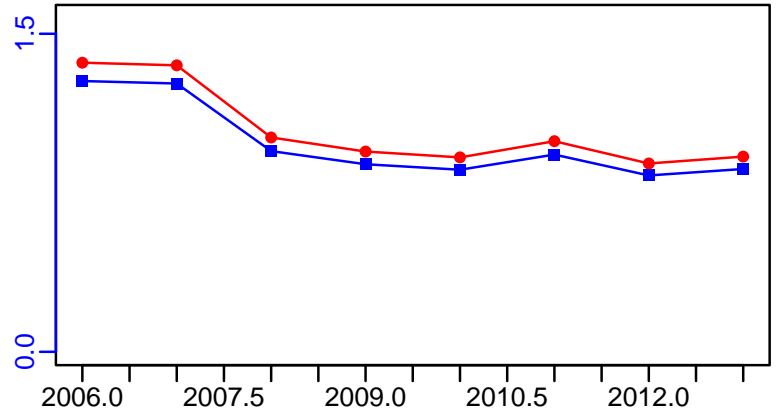
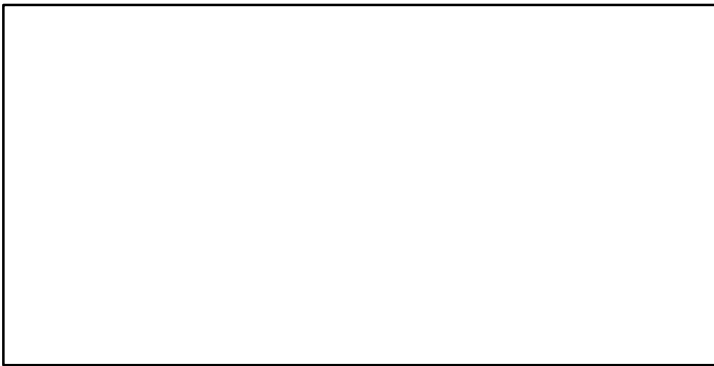
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2006-2013-OSIO)



Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

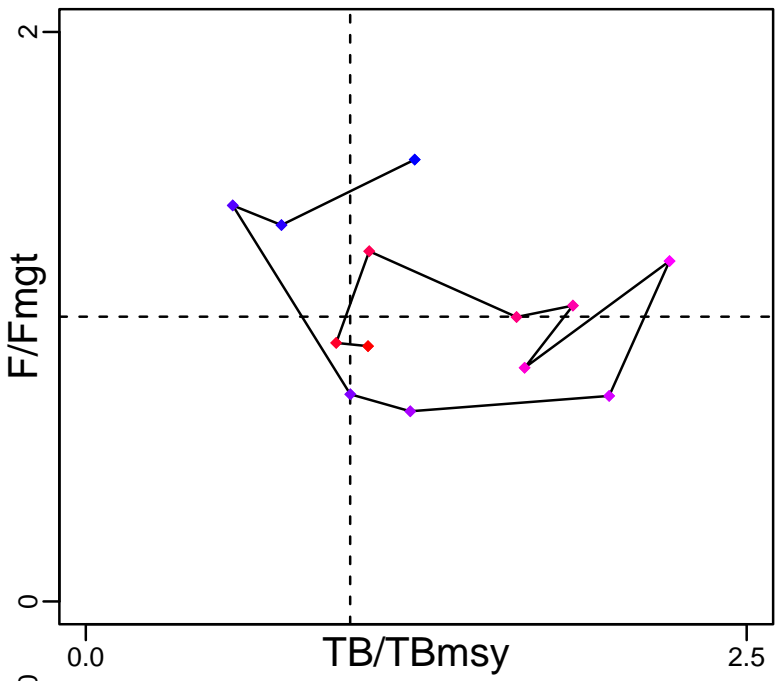
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA1-2003-2015-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.87
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

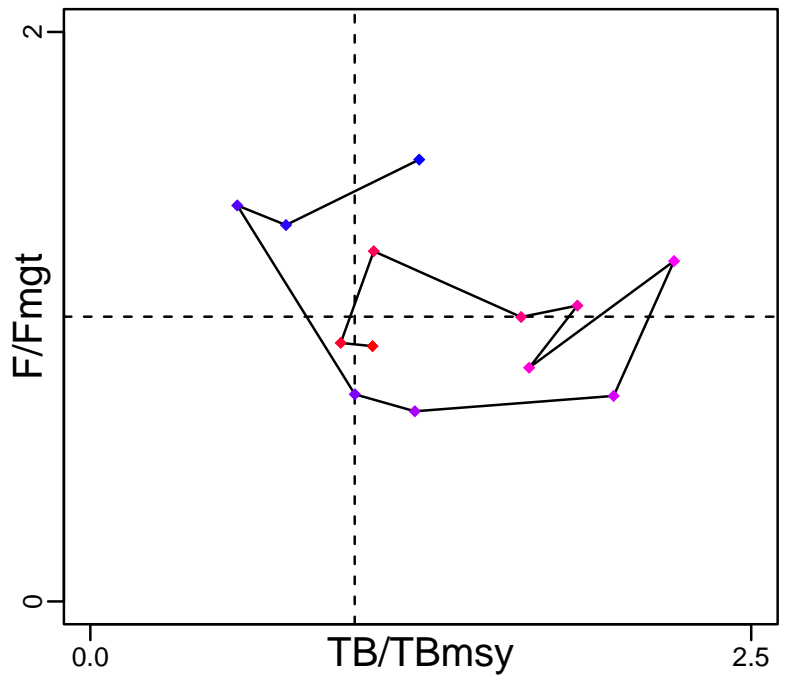
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	701	-	-
SSB	SSB-MT	2015	127	Both	-
TN	-	-	-	-	-
R	R-E00	2015	2.9×10^8	-	-
F	F-1/yr	2015	0.78	-	-
ER	ER-calc-ratio	2015	0.163	-	-
TC	TC-MT	2015	114		
TL	TL-MT	2015	114		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.897		
ER/ERmgt	-	-	-		

Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

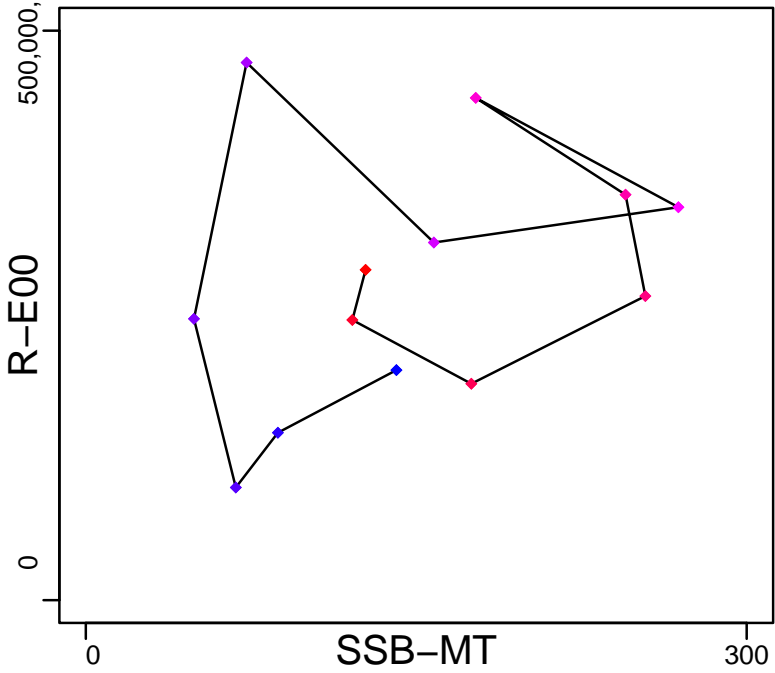
Kobe MSYpref (2003–2015–OSIO)



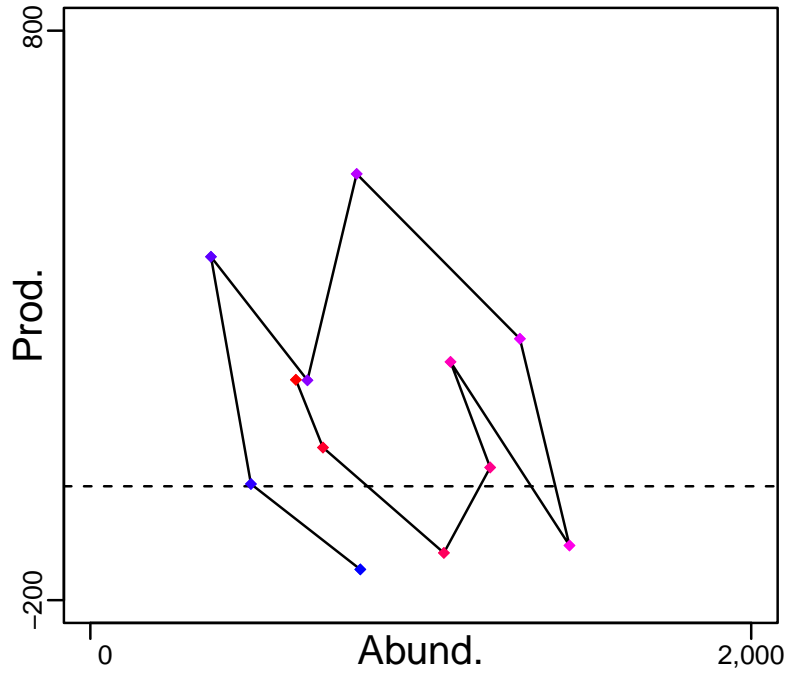
Kobe MGTpref (2003–2015–OSIO)



Spawner Recruit (2003–2015–OSIO)



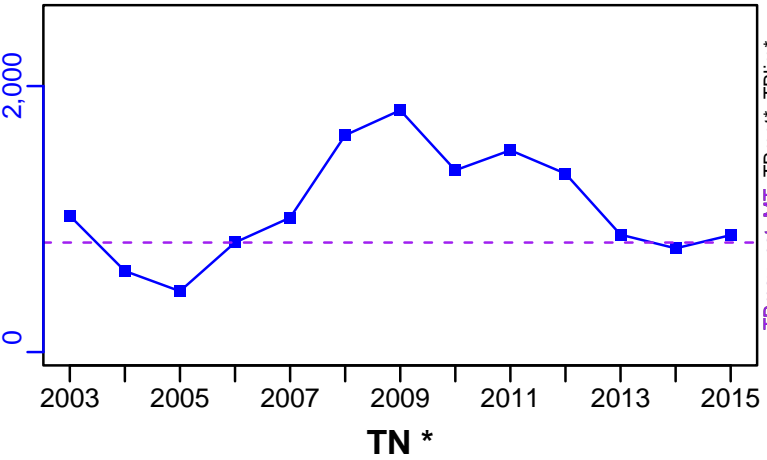
Production (2003–2015–OSIO)



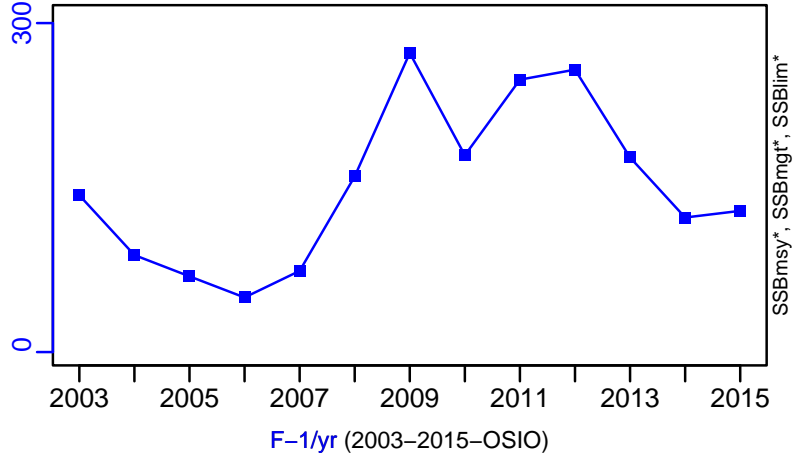
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

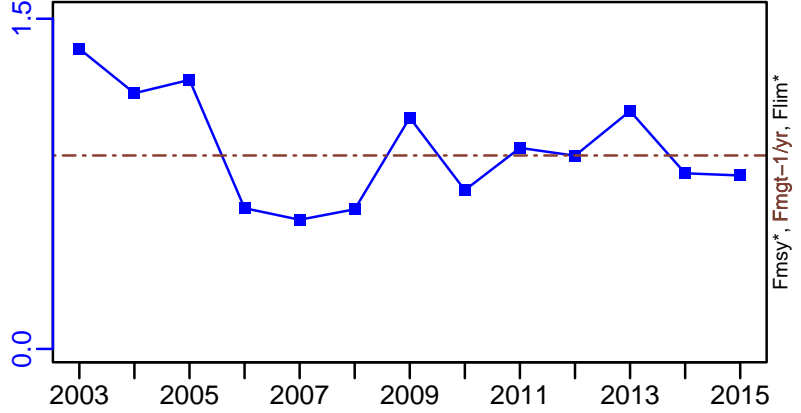
TB-MT (2003-2015-OSIO)



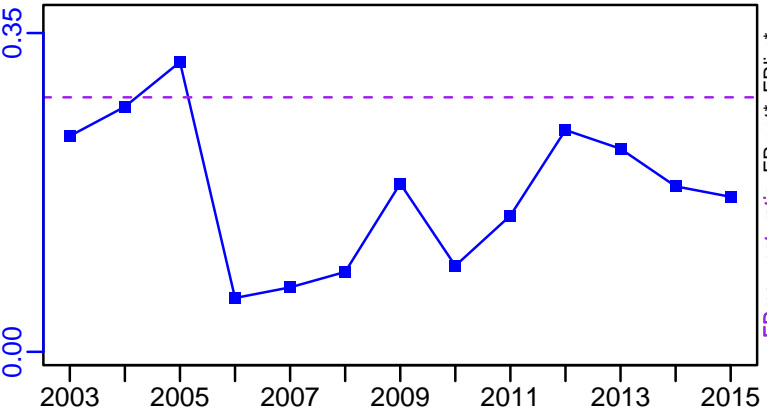
SSB-MT (2003-2015-OSIO)



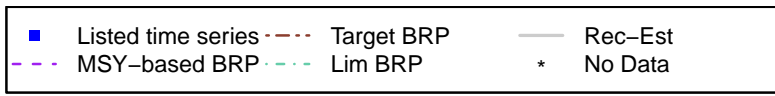
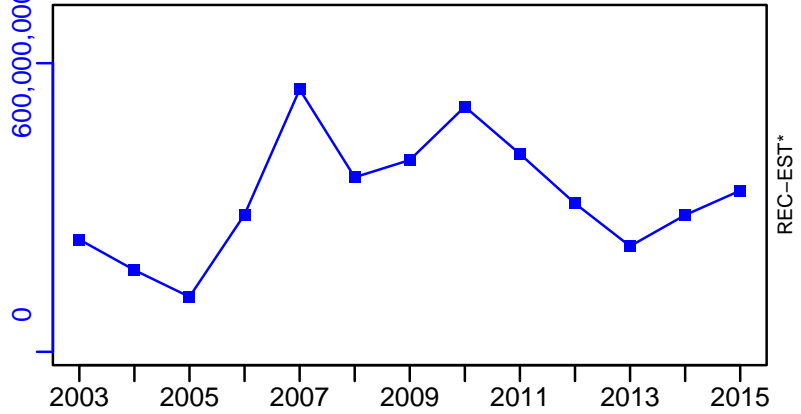
F-1/yr (2003-2015-OSIO)



ER-calc-ratio (2003-2015-OSIO)



R-E00 (2003-2015-OSIO)



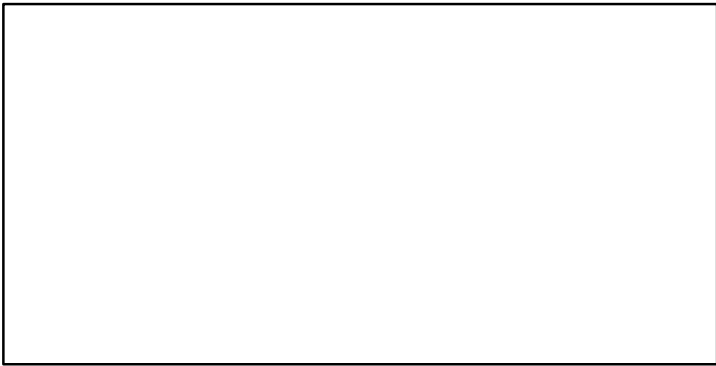
Deep water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

TC-MT, TL-MT, RecC* (2003-2015-OSIO)

TAC*, Cpair*, Cadv*



survB*



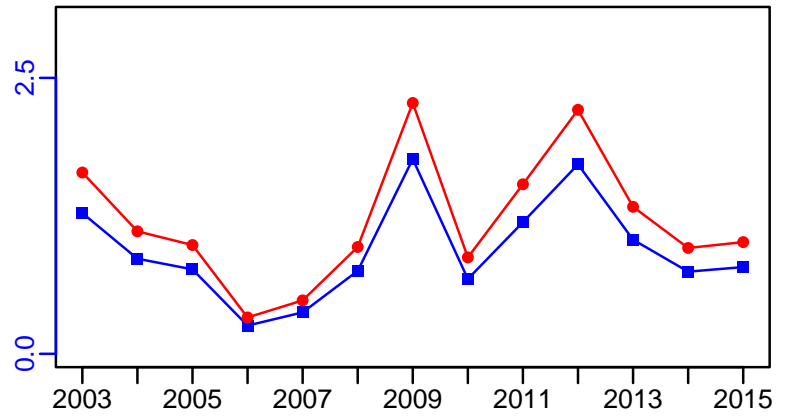
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2003-2015-OSIO)



Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA12-16-2007-2009-OSIO
Area	Geographical Sub-Areas 12-16
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-extr-1/yr	2011	1.21
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.9
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	1.05
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2009	4630	Both	-
TN	-	-	-	-	-
R	R-E00	2009	2.98×10^9	-	-
F	F-1/yr	2011	1.65	-	-
ER	-	-	-	-	-
TC	TC-MT	2009	8810		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.4		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	1.533		
ER/ERmgt	-	-	-		

Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

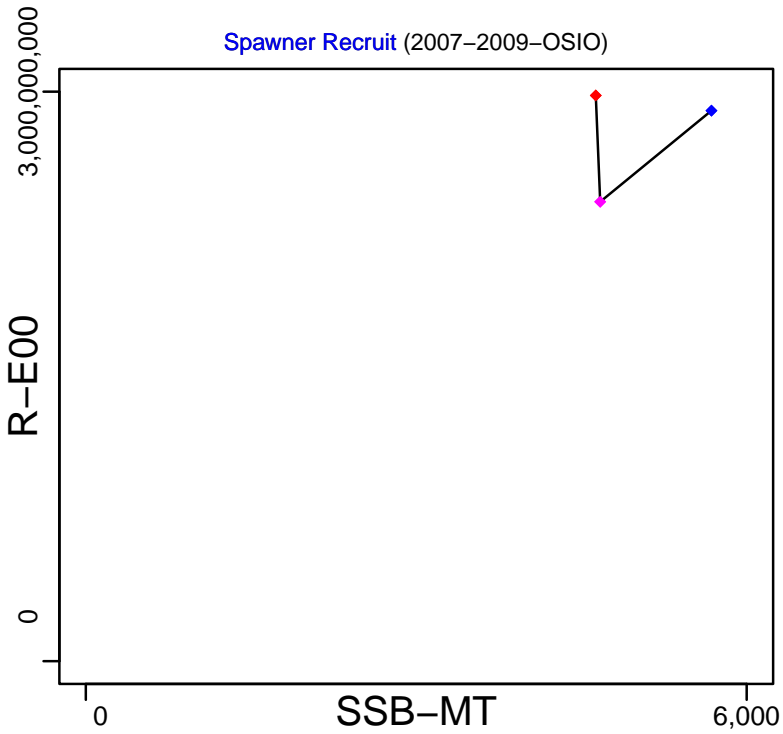
Kobe MSY*



Kobe MGT*



Spawner Recruit (2007-2009-OSIO)



Production*



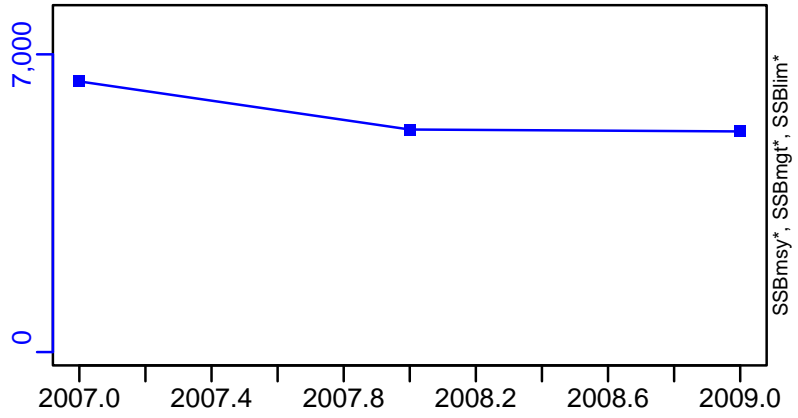
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

TB*



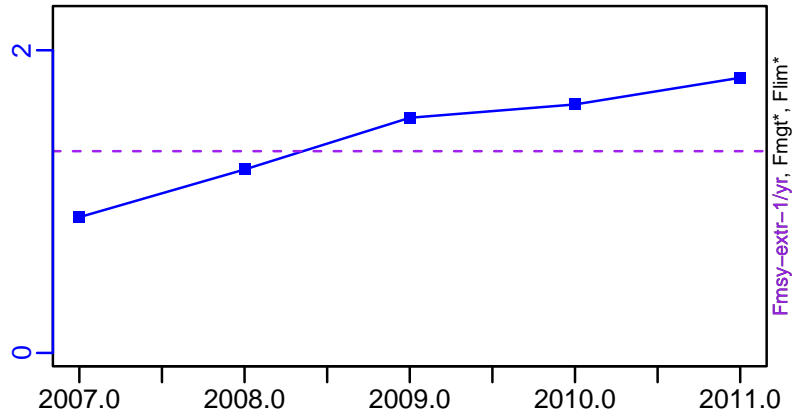
SSB-MT (2007-2009-OSIO)



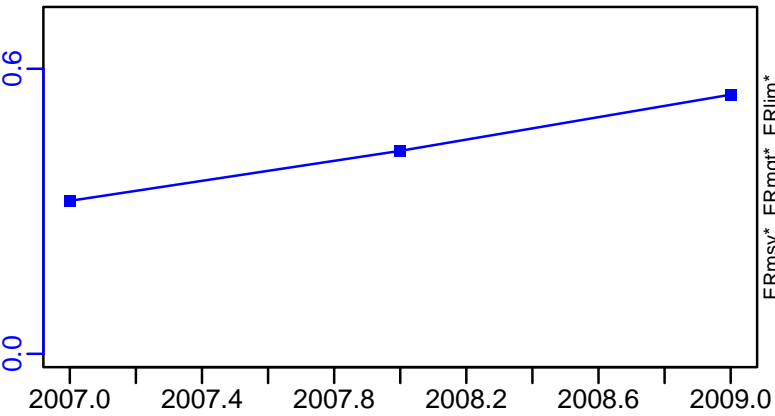
TN *



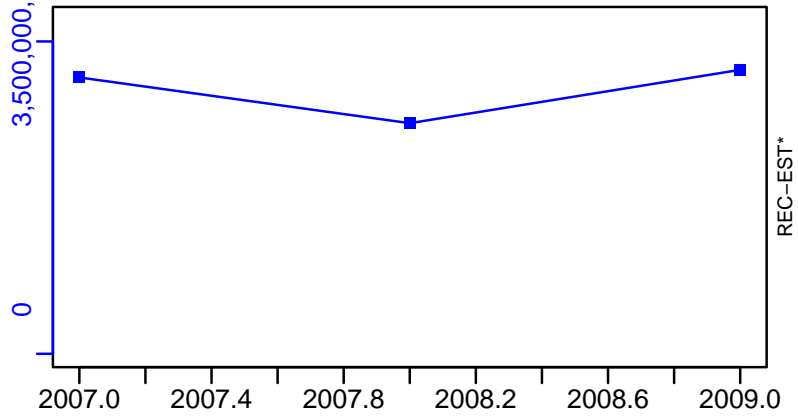
F-1/yr (2007-2011-BANOBI)



ER-calc-ratio (2007-2009-OSIO)



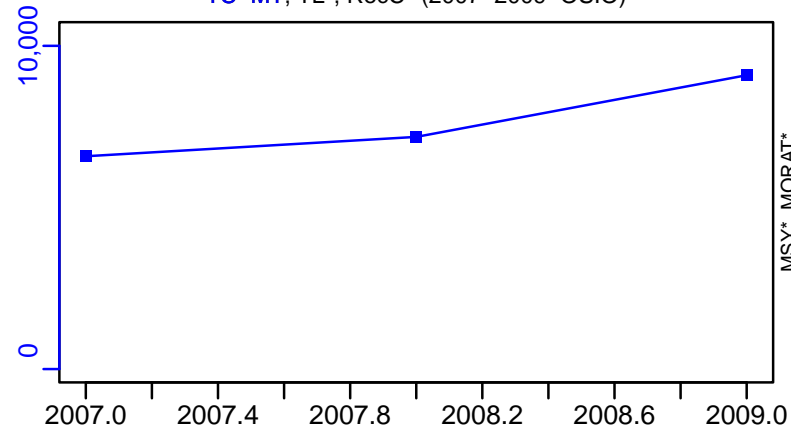
R-E00 (2007-2009-OSIO)



Deep water rose shrimp Geographical Sub-Areas 12-16 [RSHRMPMEDGSA12-16]

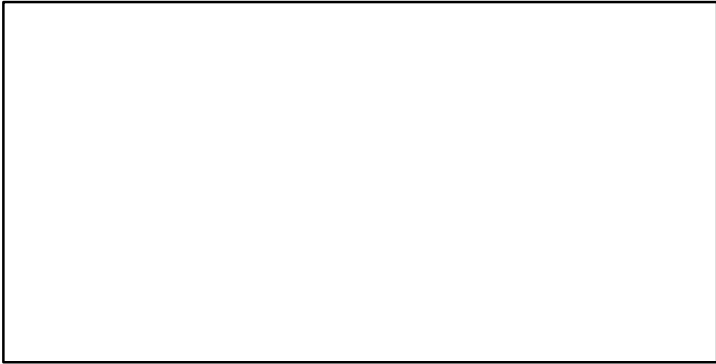
TC-MT, TL*, RecC* (2007-2009-OSIO)

TAC*, Cpair*, Cadv*



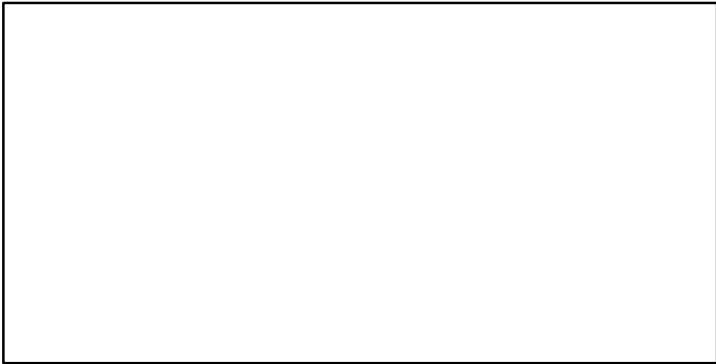
survB*

CPUE*



EFFORT*

CdivMSY*



Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

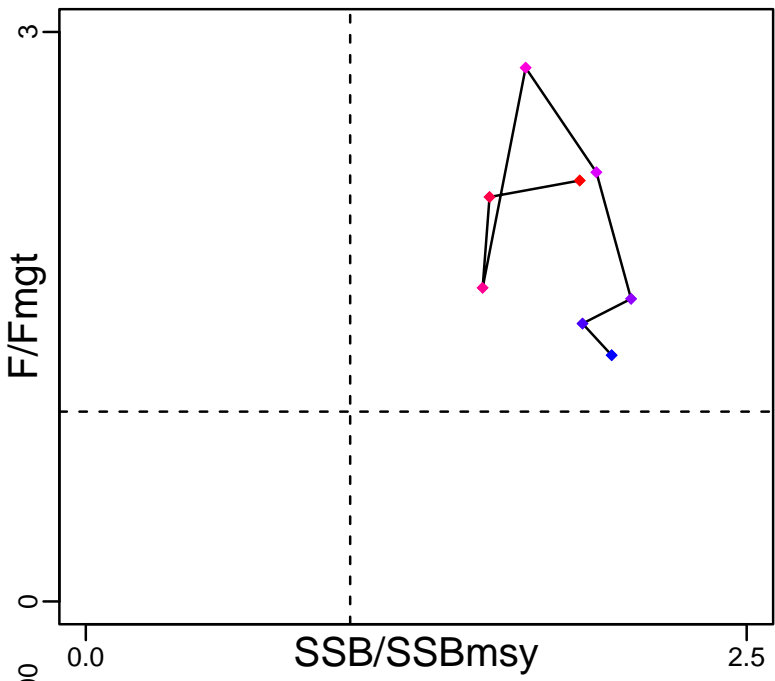
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA17-19-2002-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 17-19
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2019, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.505
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

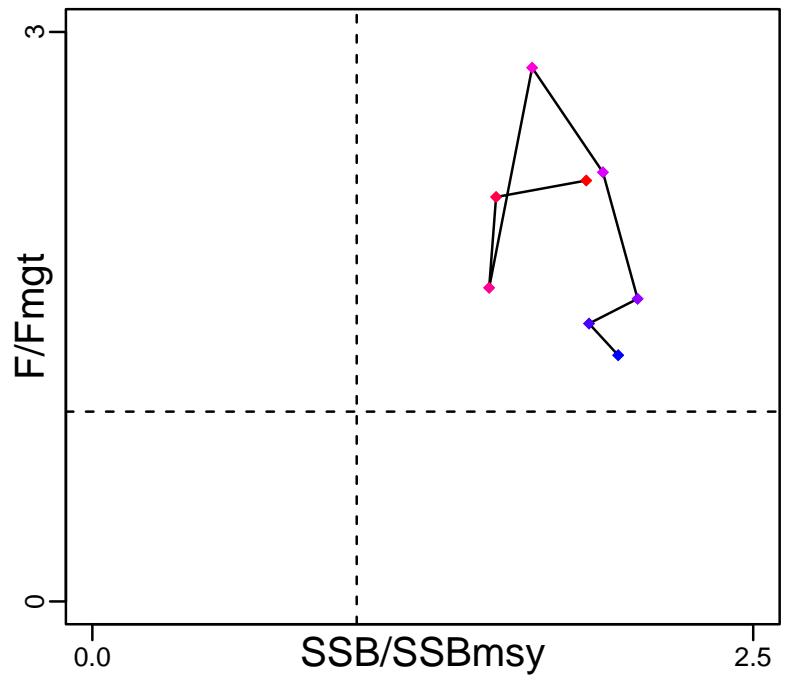
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	3221	-	-
TN	-	-	-	-	-
R	R-E00	2019	7,490,295,088	-	-
F	F-1/yr	2019	1.488	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	5993	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	2.949	-	-
ER/ERmgt	-	-	-	-	-

Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

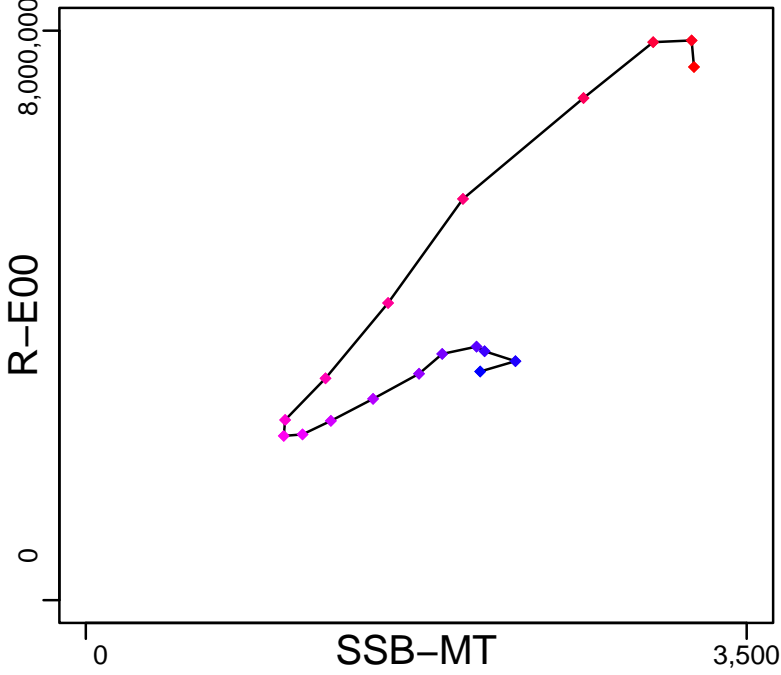
Kobe MSYpref (2007-2014-OSIO)



Kobe MGTpref (2007-2014-OSIO)



Spawner Recruit (2002-2019-MEDIMP2021-2)



Production*



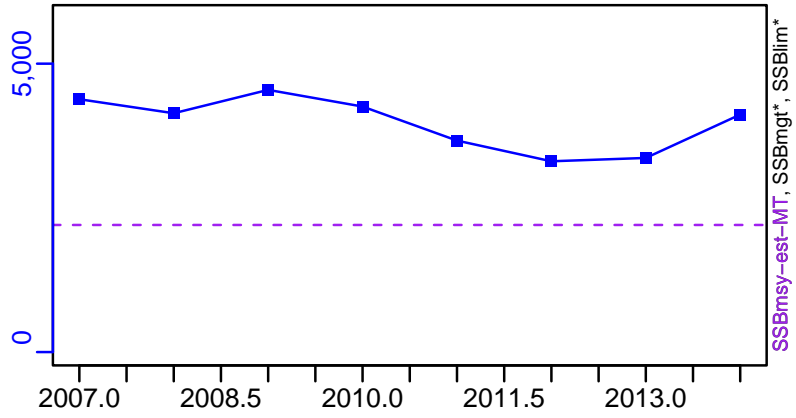
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

TB*



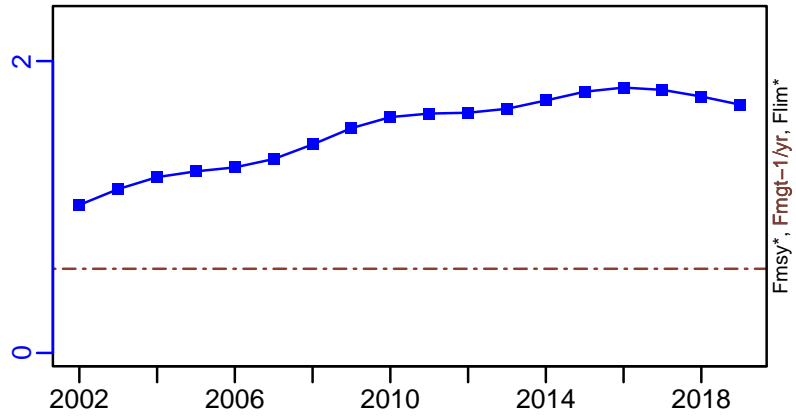
SSB-MT (2007-2014-OSIO)



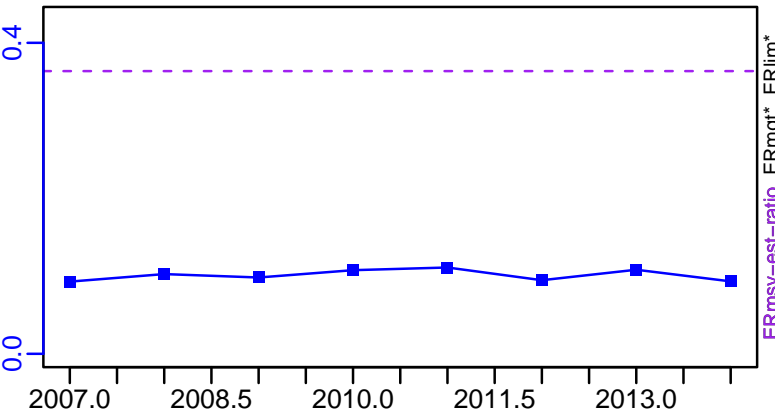
TN *



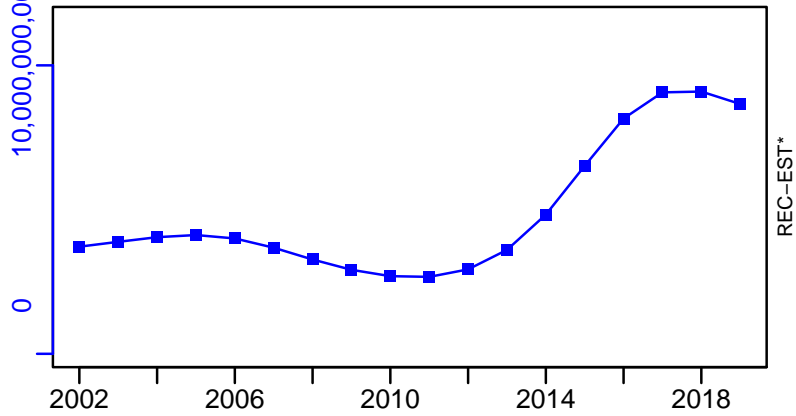
F-1/yr (2002-2019-MEDIMP2021-2)



ER-calc-ratio (2007-2014-OSIO)



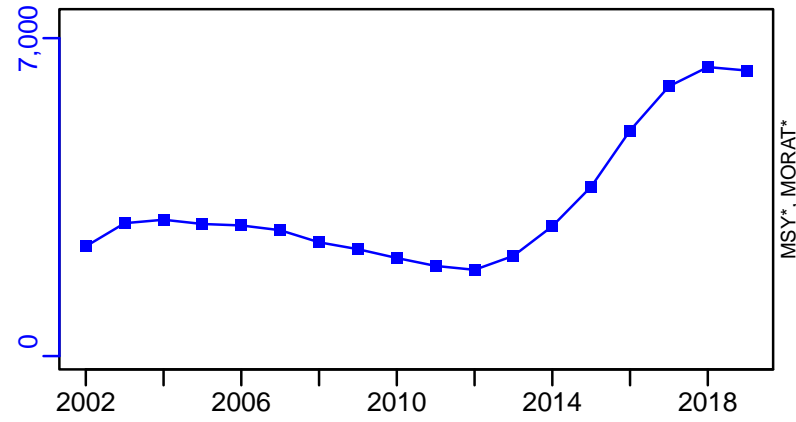
R-E00 (2002-2019-MEDIMP2021-2)



Deep water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]

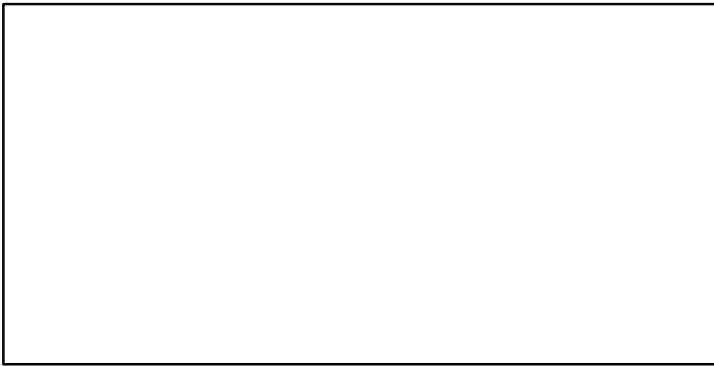
TC-MT, TL*, RecC* (2002-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



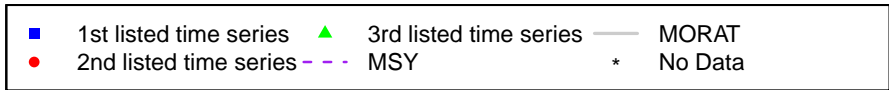
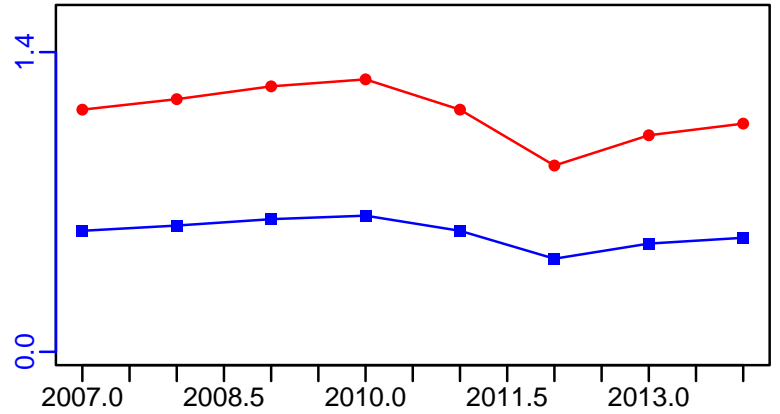
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2007-2014-OSIO)



**Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23)
[RSHRMPMEDGSA22-23]**

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA22-23-1990-2006-MEDIMP2021-2
Area	Aegean Sea and Crete Island (GSA 22,23)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2006

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2006	2363		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

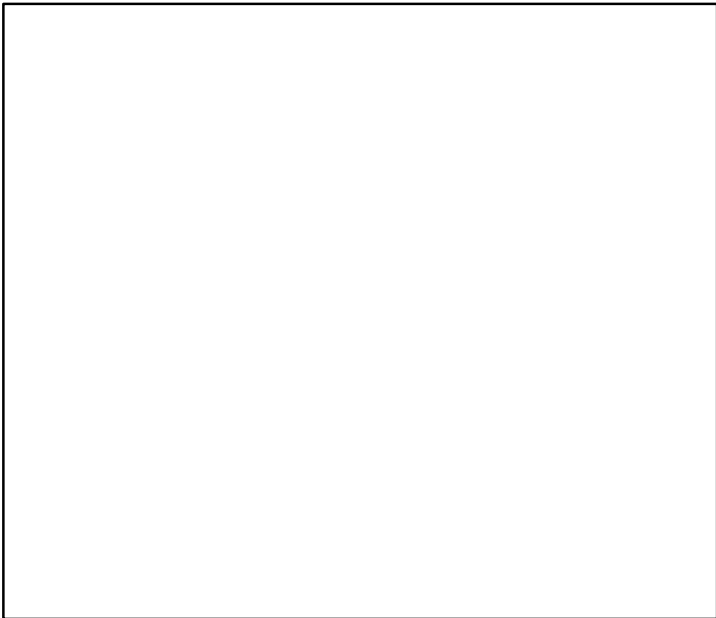
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*



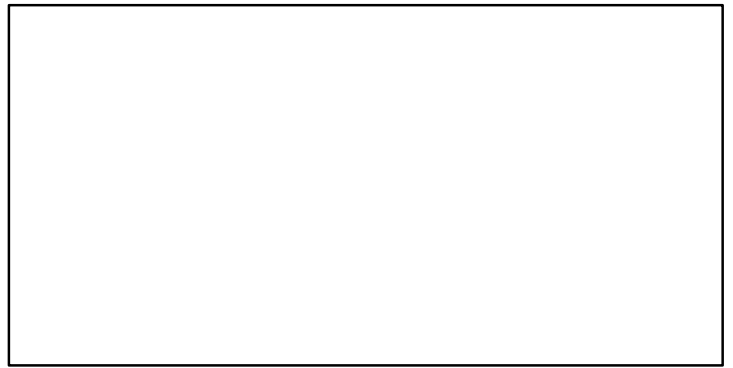
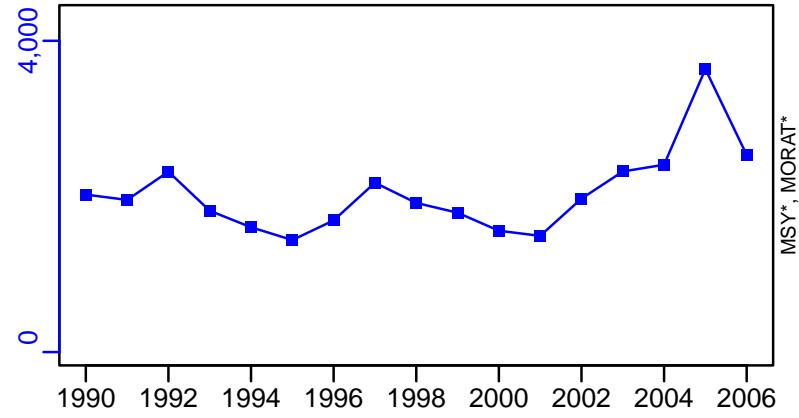
Recruits*



Deep water rose shrimp Aegean Sea and Crete Island (GSA 22,23) [RSHRMPMEDGSA22-23]

TC-MT, TL*, RecC* (1990-2006-MEDIMP2021-2)

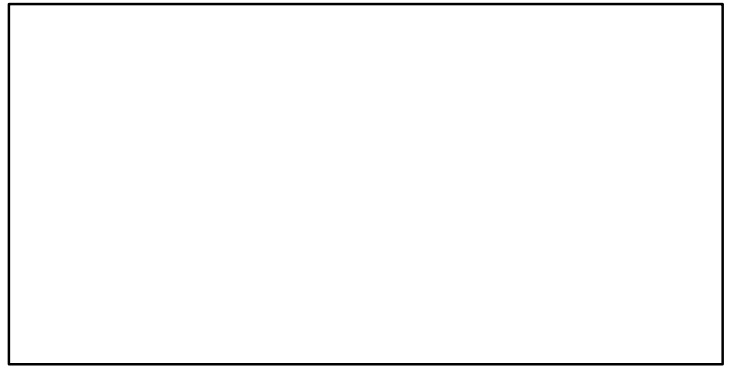
TAC*, Cpair*, Cadv*



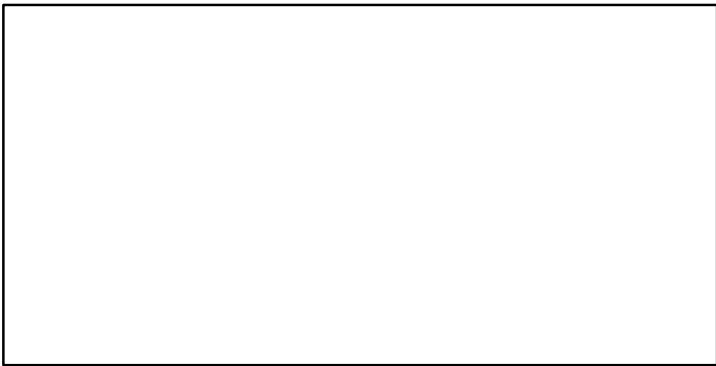
survB*



CPUE*



EFFORT*



CdivMSY*



Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA5-2002-2012-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.62
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	7	-	1+
TN	-	-	-	-	-
R	R-E00	2012	3,490,000	-	-
F	F-1/yr	2012	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	4.17		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.097		
ER/ERmgt	-	-	-		

Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

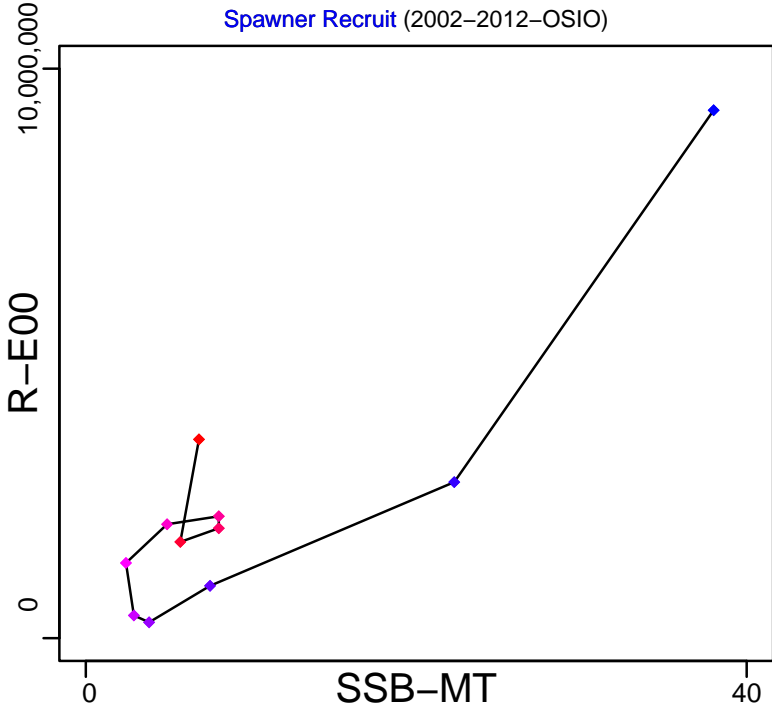
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002-2012-OSIO)



Production*



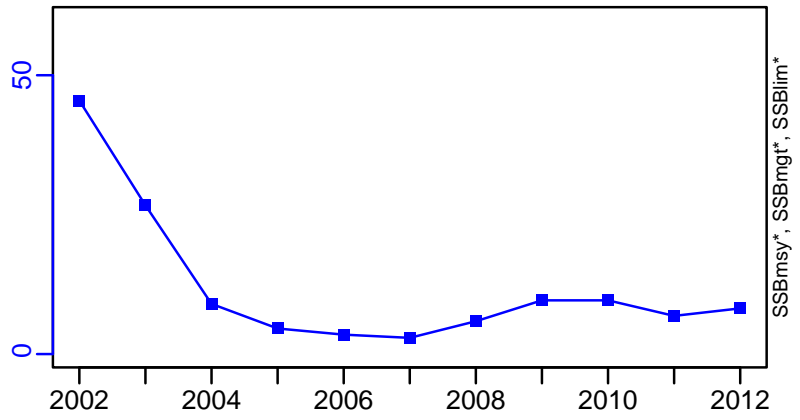
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

TB*



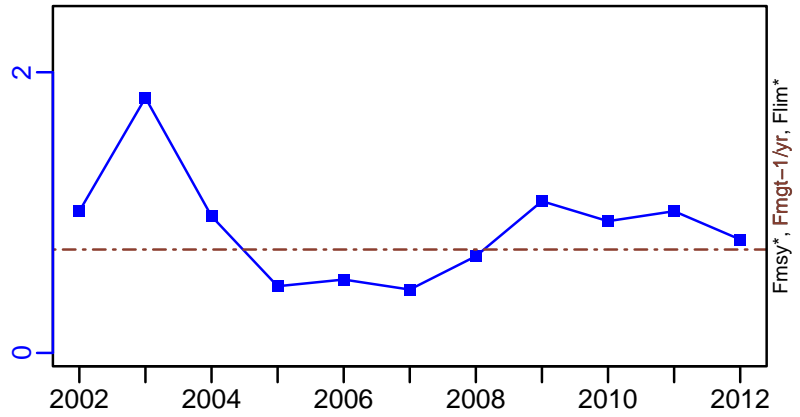
SSB-MT (2002-2012-OSIO)



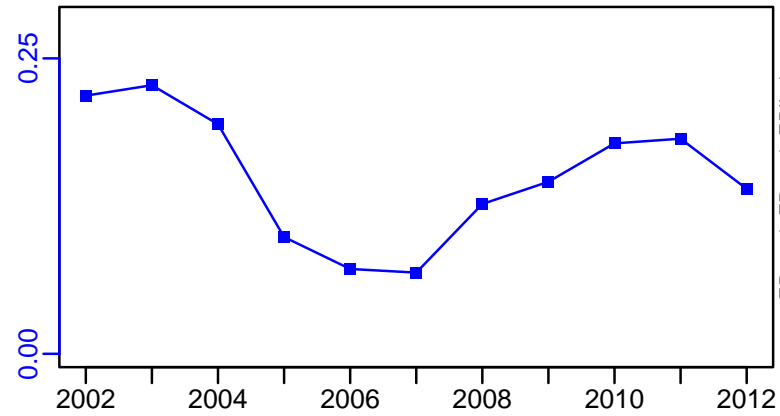
TN *



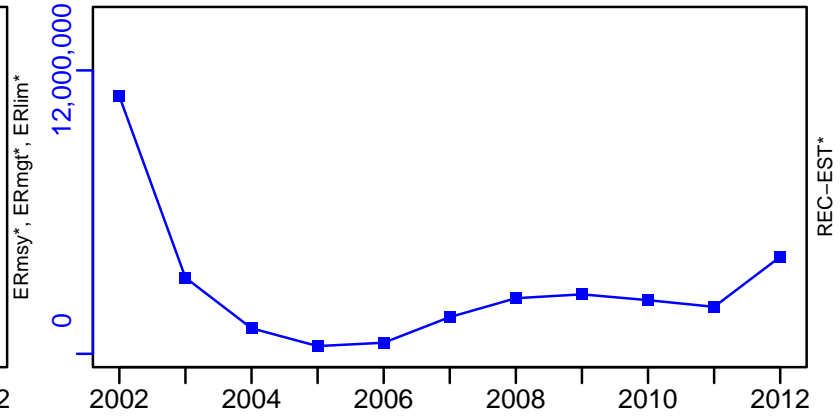
F-1/yr (2002-2012-OSIO)



ER-calc-ratio (2002-2012-OSIO)



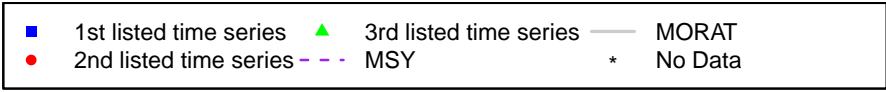
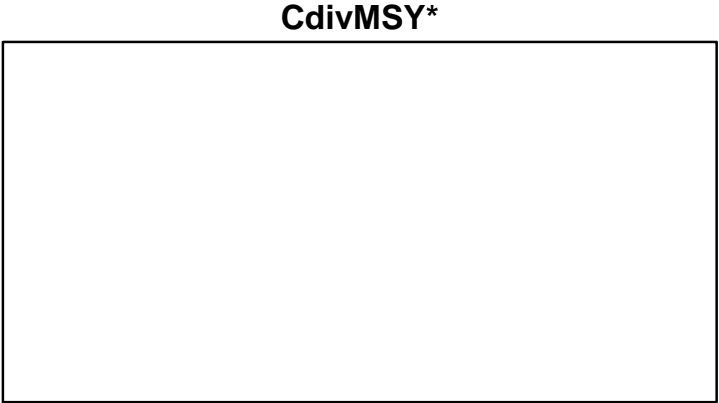
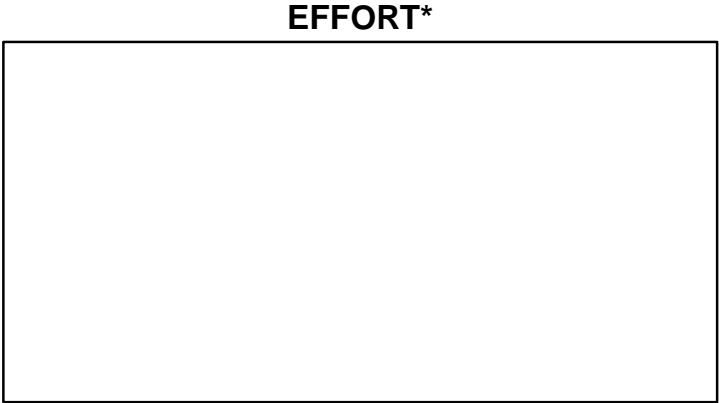
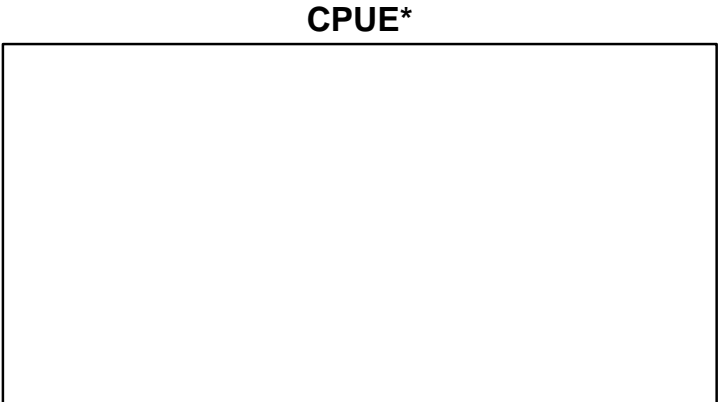
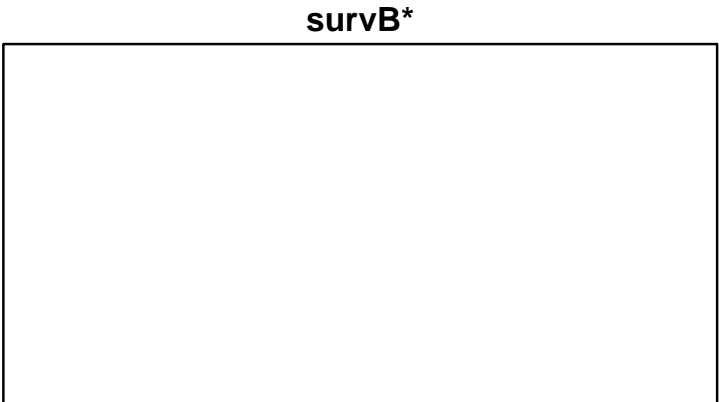
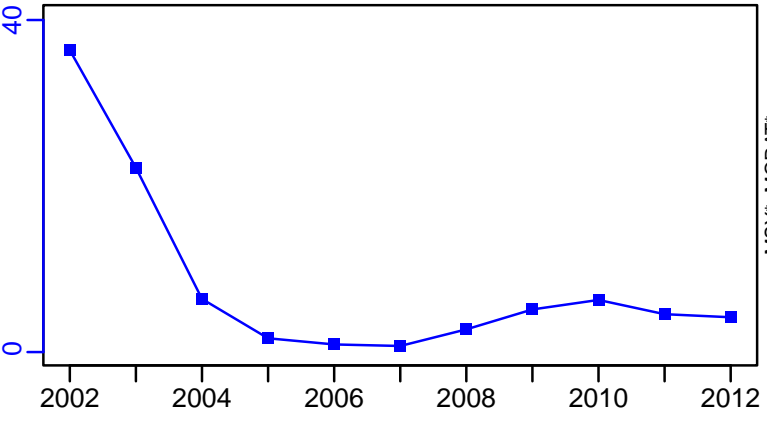
R-E00 (2002-2012-OSIO)



Deep water rose shrimp Balearic Island [RSHRMPMEDGSA5]

TC-MT, TL*, RecC* (2002-2012-OSIO)

TAC*, Cpair*, Cadv*



Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

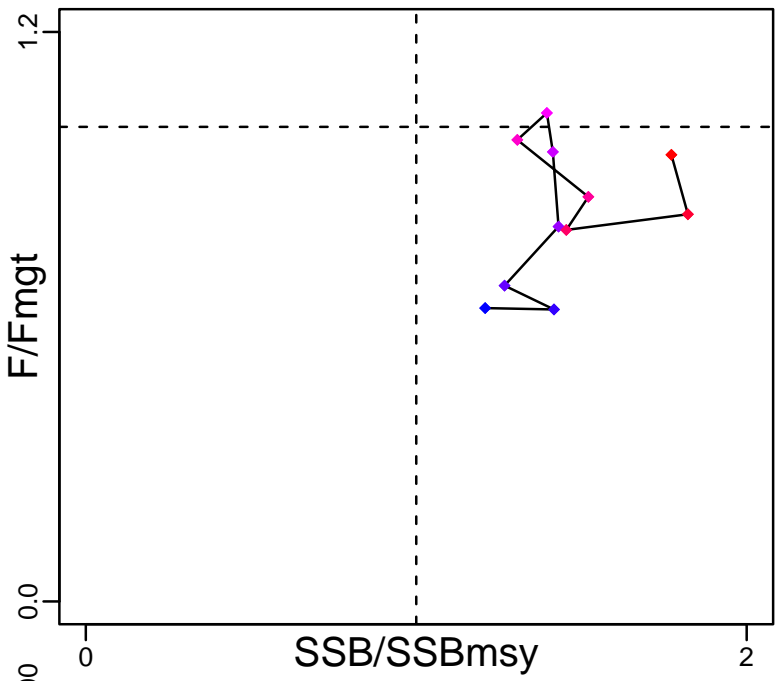
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA9-11-2009-2019-MEDIMP2021-2
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	1.09
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

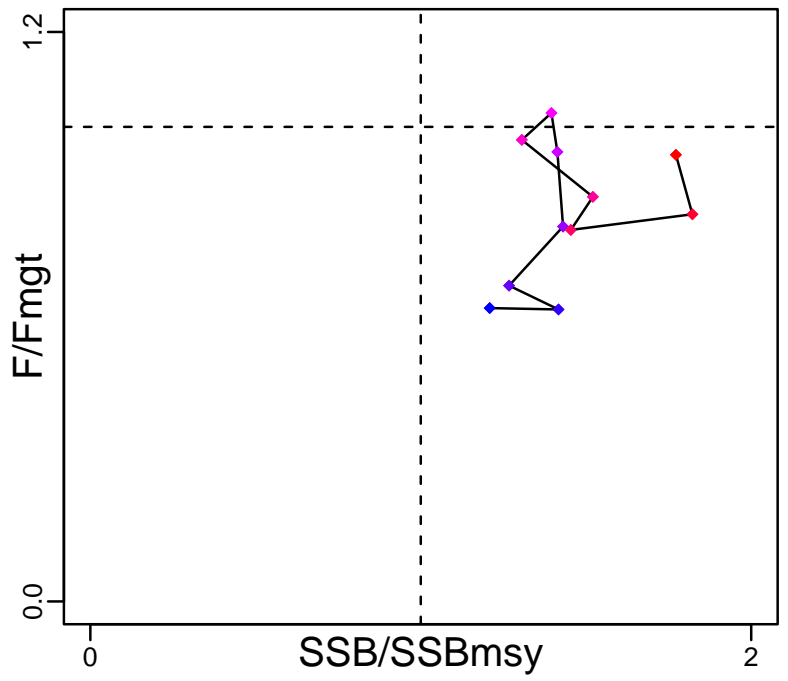
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	5390	-	-
SSB	SSB-MT	2019	2575	-	-
TN	-	-	-	-	-
R	R-E00	2019	4,302,305,361	-	-
F	F-1/yr	2019	1.025	-	-
ER	ER-calc-ratio	2015	0.286	-	-
TC	TC-MT	2019	1606		
TL	TL-MT	2015	1540		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	0.941		
ER/ERmgt	-	-	-		

Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

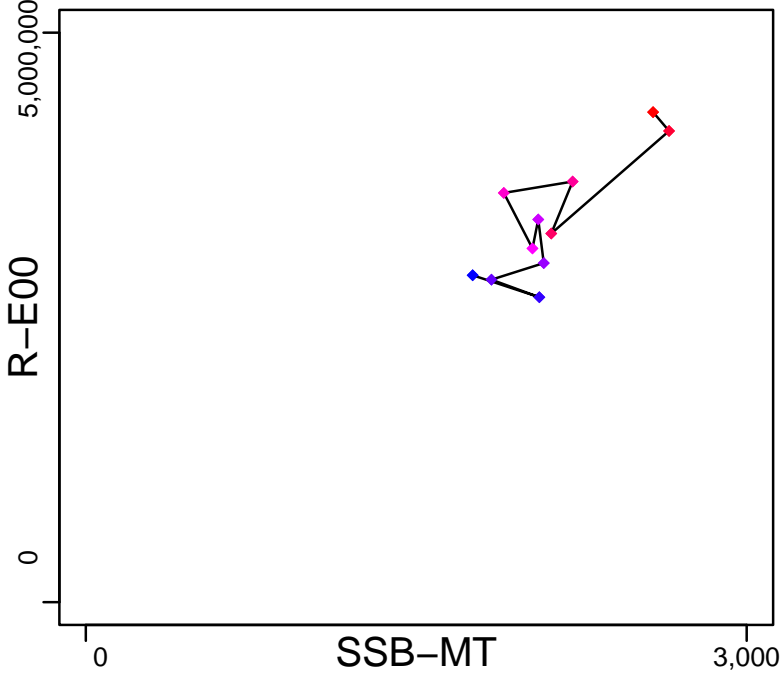
Kobe MSYpref (2009-2019-MEDIMP2021-2)



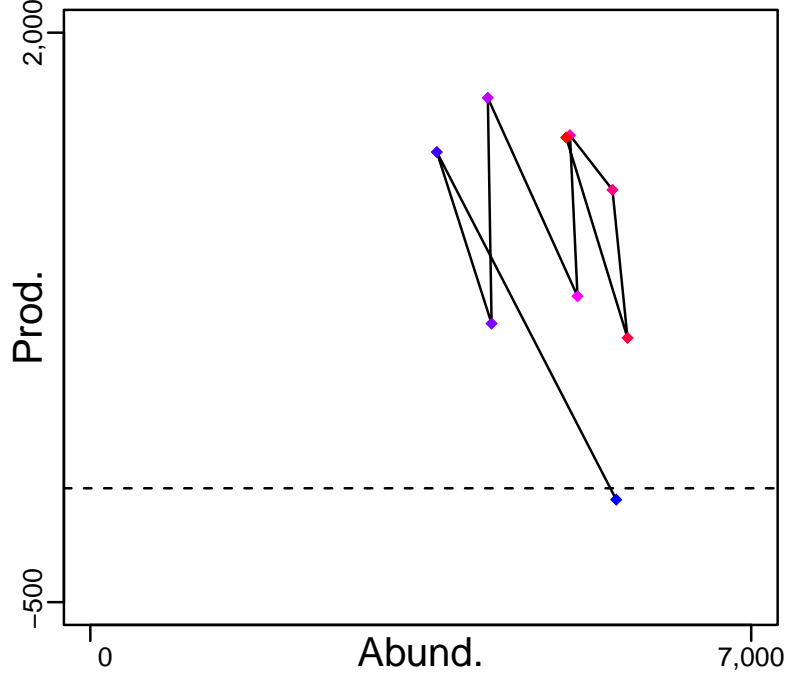
Kobe MGTpref (2009-2019-MEDIMP2021-2)



Spawner Recruit (2009-2019-MEDIMP2021-2)



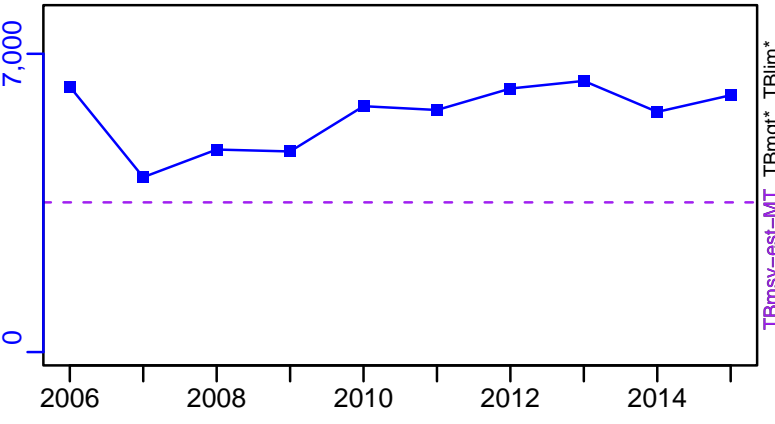
Production (2009-2019-MEDIMP2021-2)



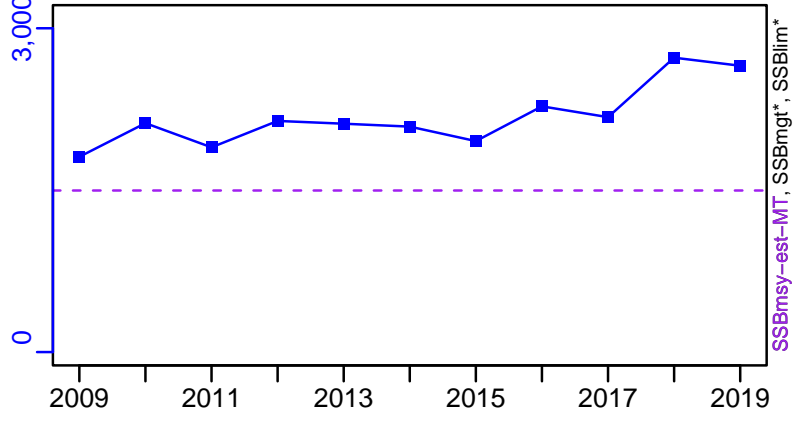
◆ Start Year ◆ End Year * No Data

Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

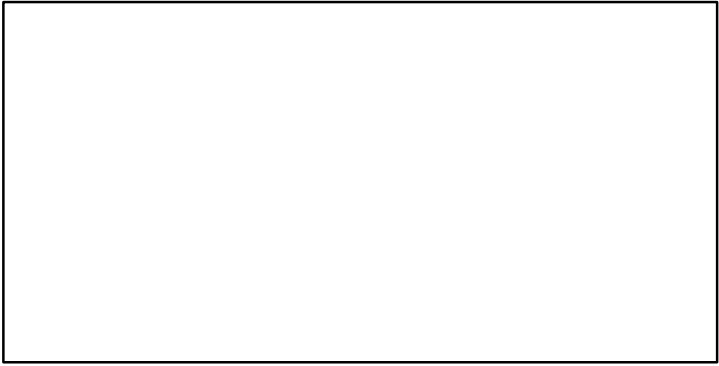
TB-MT (2006-2015-OSIO)



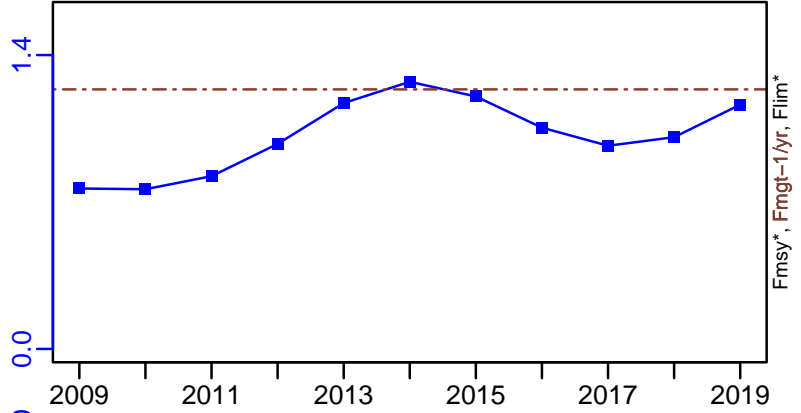
SSB-MT (2009-2019-MEDIMP2021-2)



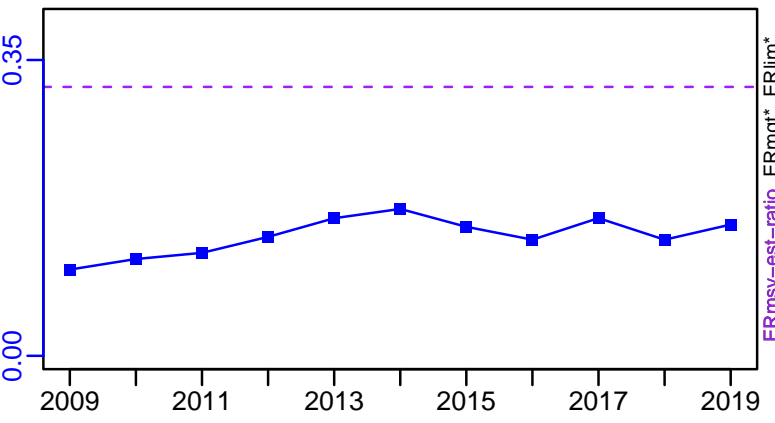
TN *



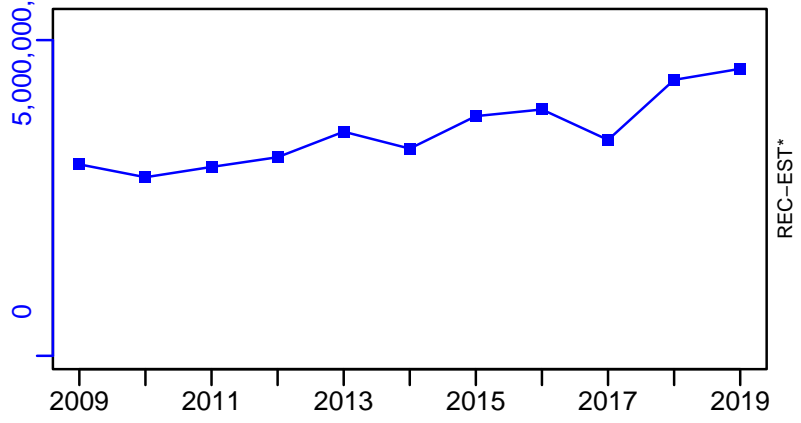
F-1/yr (2009-2019-MEDIMP2021-2)



ER-calc-ratio (2009-2019-MEDIMP2021-2)



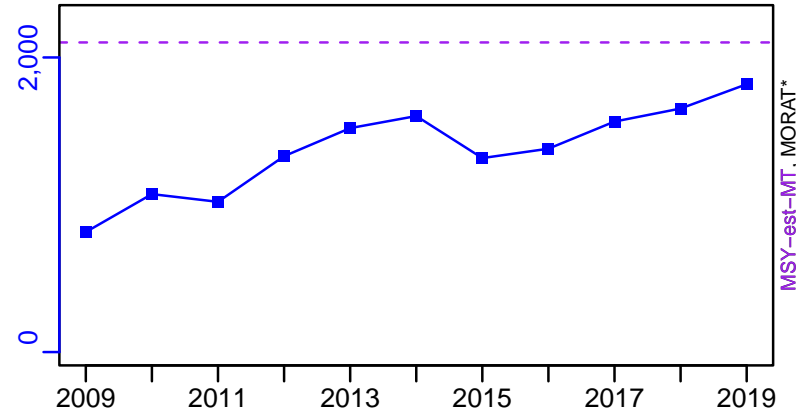
R-E00 (2009-2019-MEDIMP2021-2)



Deep water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA9-11]

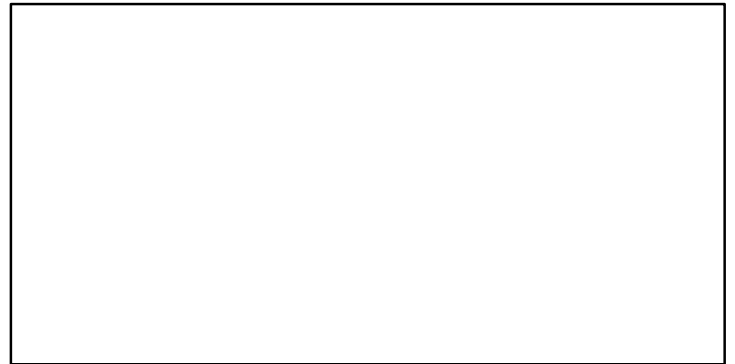
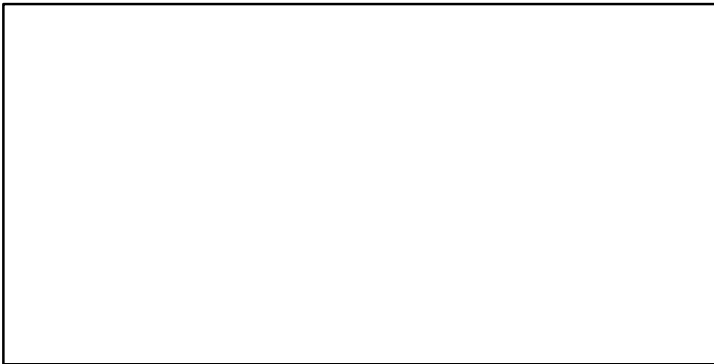
TC-MT, TL*, RecC* (2009-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



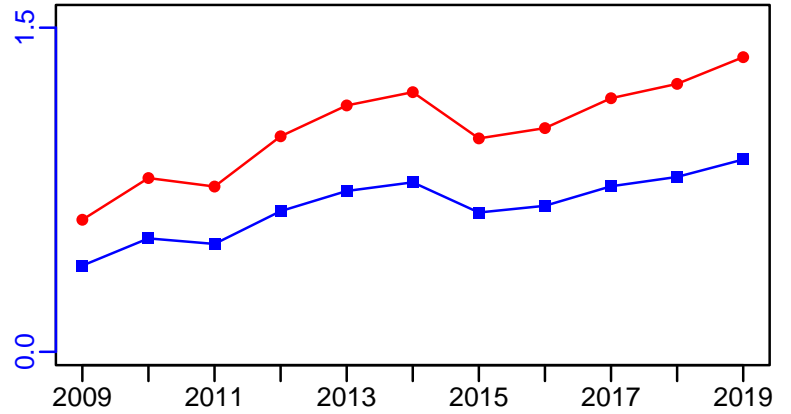
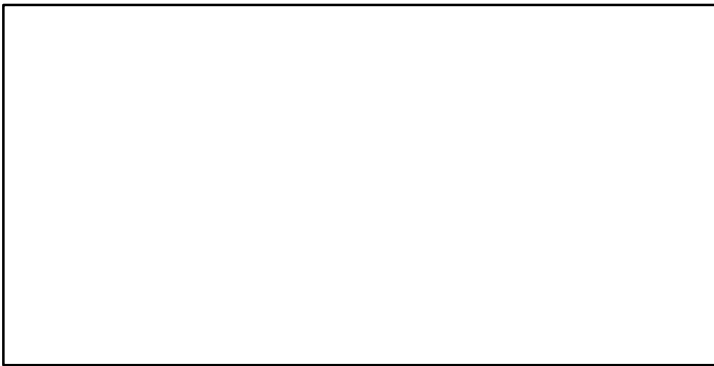
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2009-2019-MEDIMP2021-2)



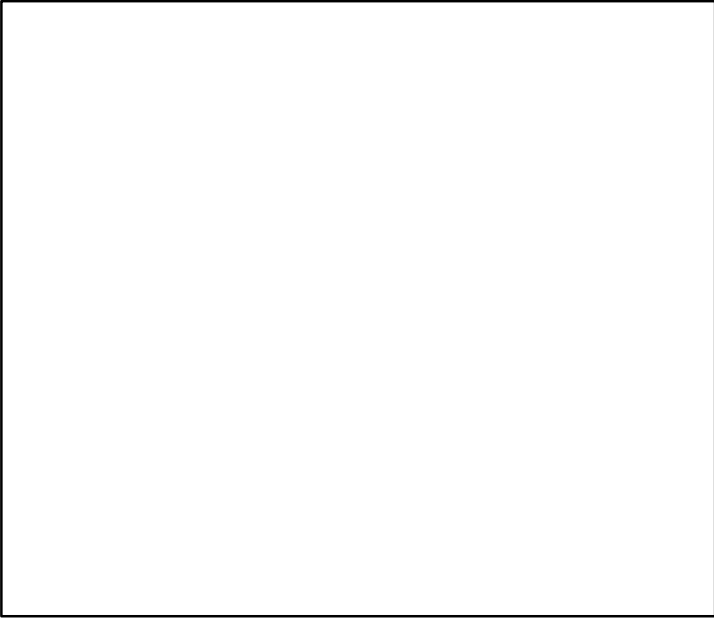
European pilchard Northern Alboran Sea [SARDMEDGSA1]

Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA1-2002-2012-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

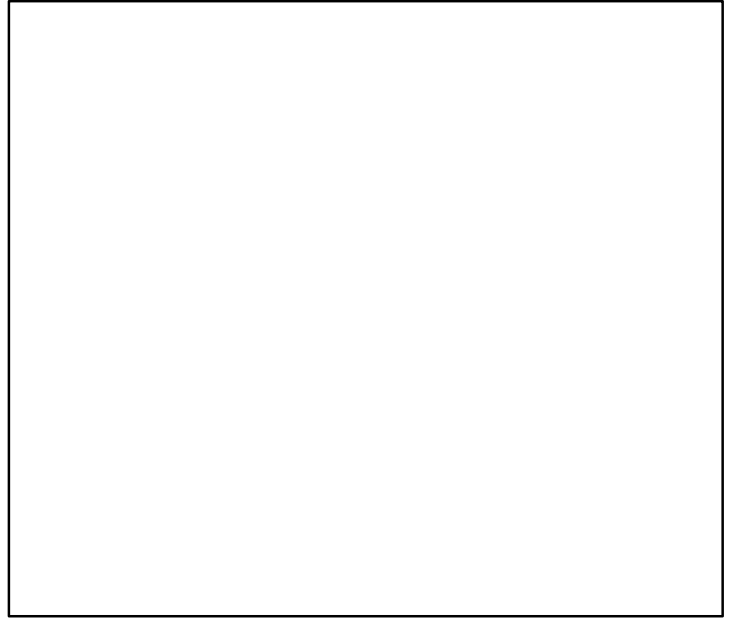
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	6220		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

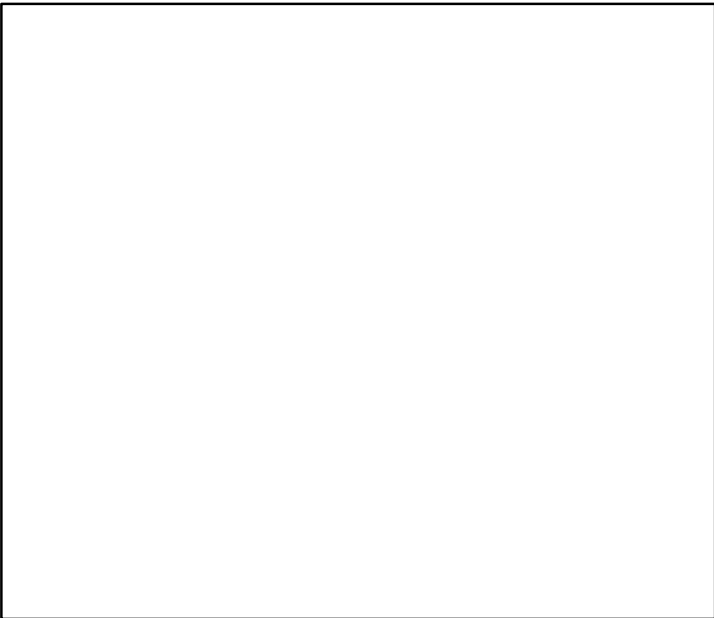
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



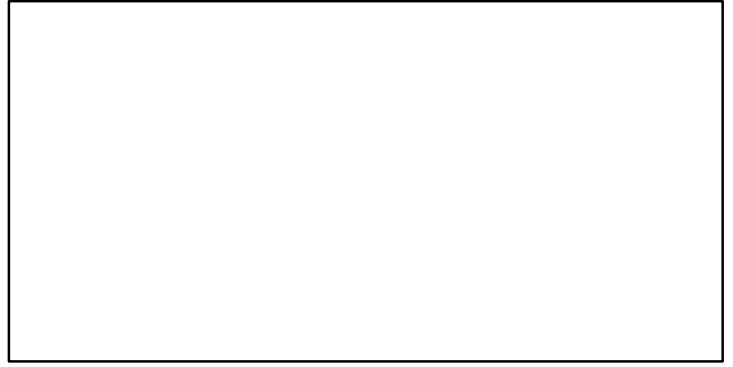
◆ Start Year ◆ End Year * No Data

European pilchard Northern Alboran Sea [SARDMEDGSA1]

TB*



SSB*



TN *



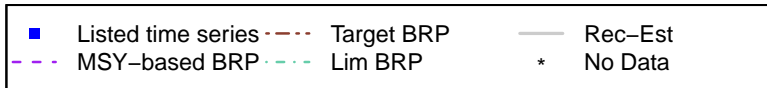
F*



ER*



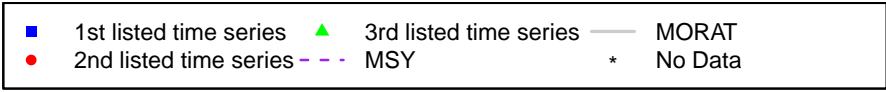
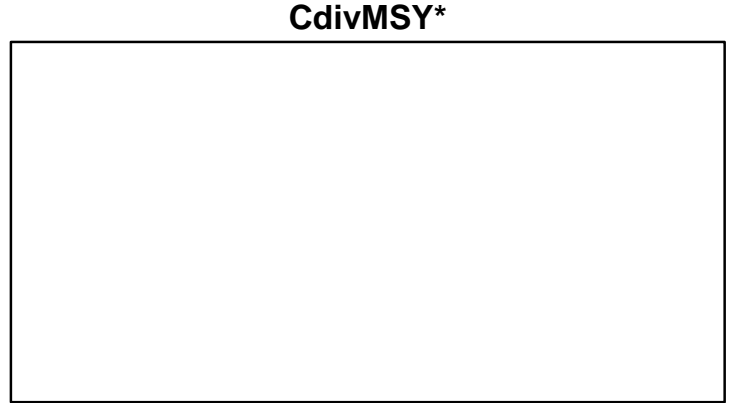
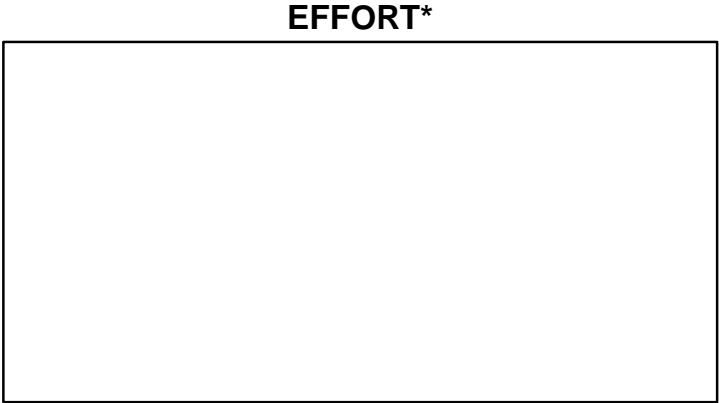
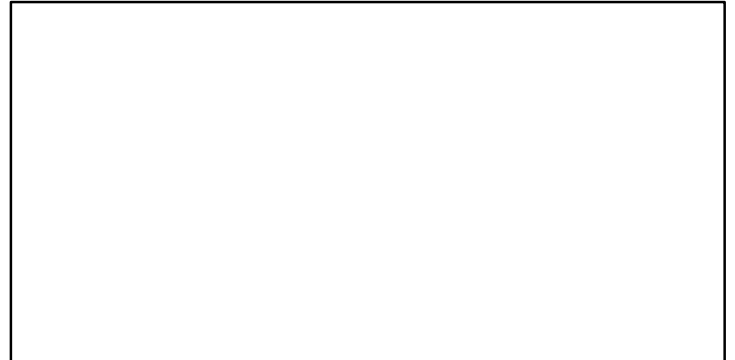
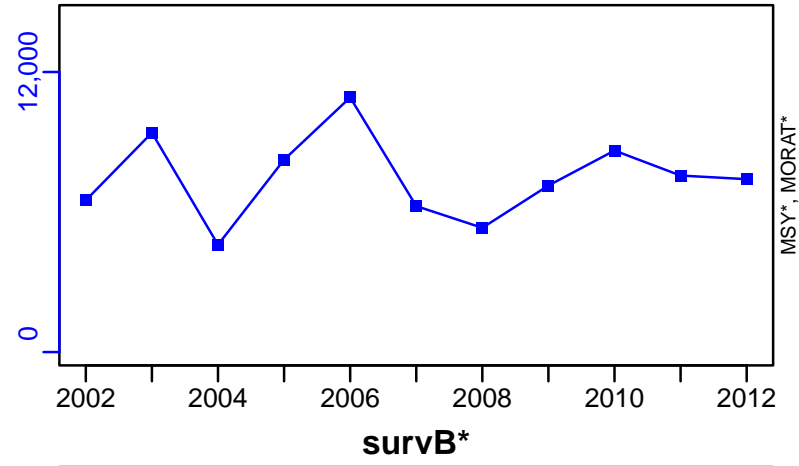
Recruits*



European pilchard Northern Alboran Sea [SARDMEDGSA1]

TC-MT, TL*, RecC* (2002-2012-OSIO)

TAC*, Cpair*, Cadv*



Sardine South of Sicily [SARDMEDGSA16]

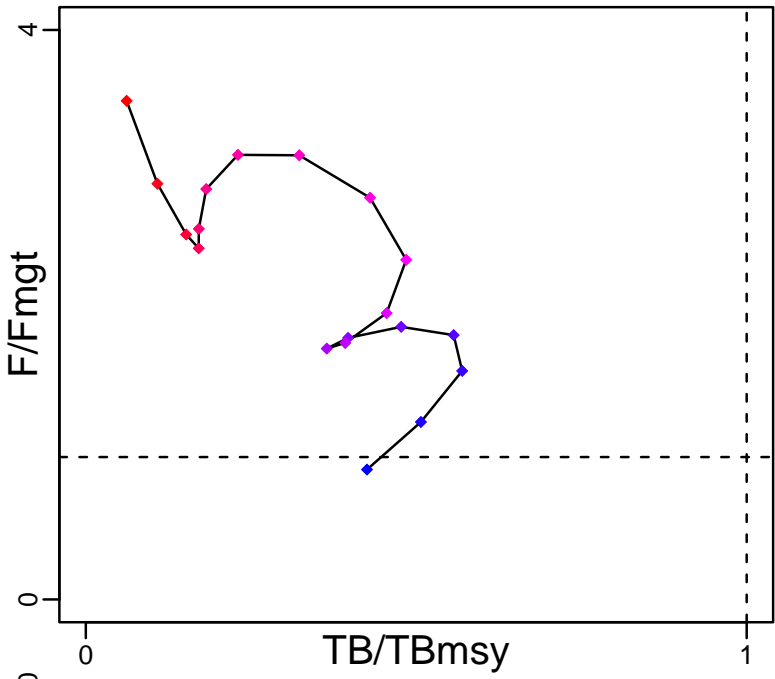
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	WGSASP-SARDMEDGSA16-2003-2021-HIVELY
Area	South of Sicily
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2011, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	32,527
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2011	0.16
ERmsy	ERmsy-calc-ratio	2011	0.163
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.476
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	5307
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

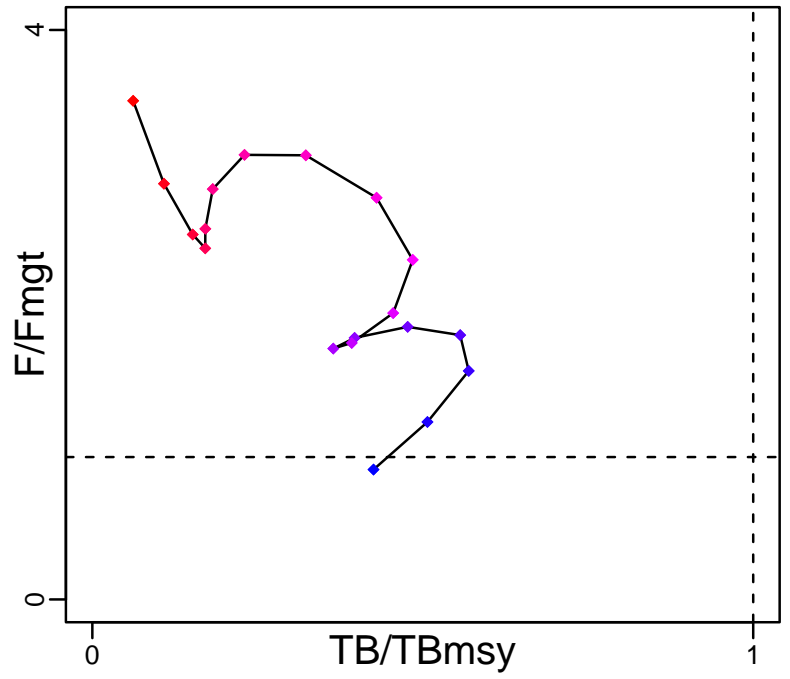
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	1103	-	-
SSB	SSB-MT	2021	643	-	-
TN	-	-	-	-	-
R	R-E00	2021	29,746,000	-	-
F	F-1/yr	2021	1.666	-	-
ER	ER-calc-ratio	2021	0.777	-	-
TC	TC-MT	2011	2670		
TL	TL-MT	2021	858		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.47		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.07		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	1.07		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	3.502		
ER/ERmgt	-	-	-		

Sardine South of Sicily [SARDMEDGSA16]

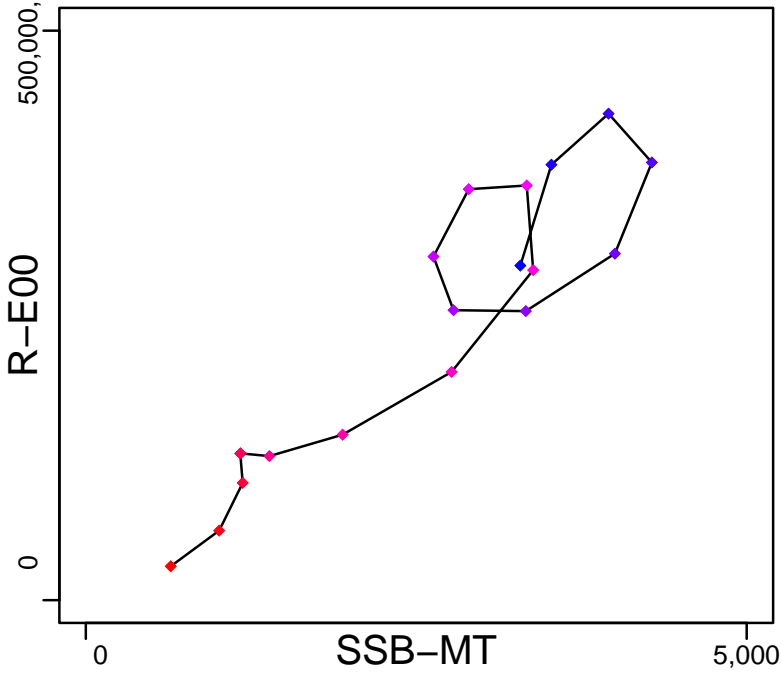
Kobe MSYpref (2003–2021–HIVELY)



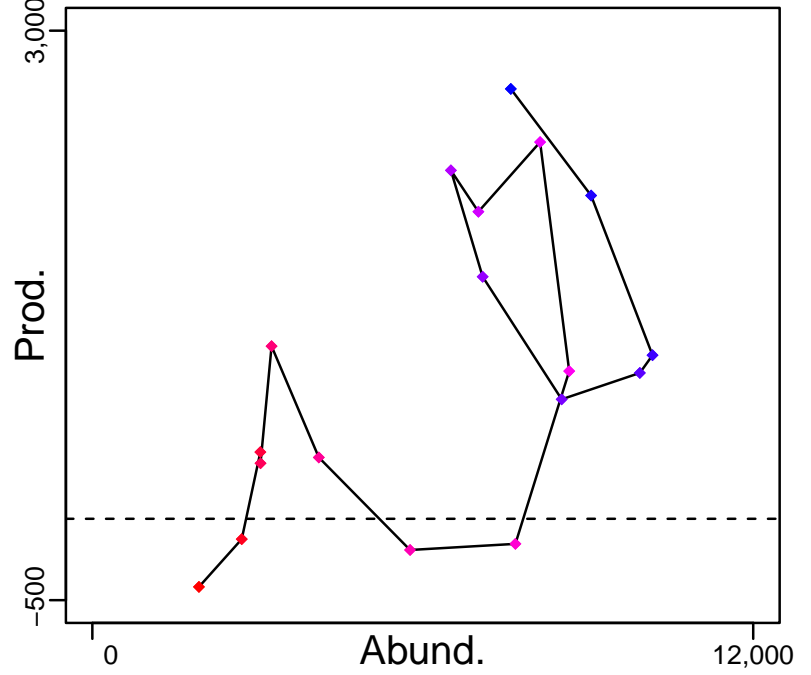
Kobe MGTpref (2003–2021–HIVELY)



Spawner Recruit (2003–2021–HIVELY)



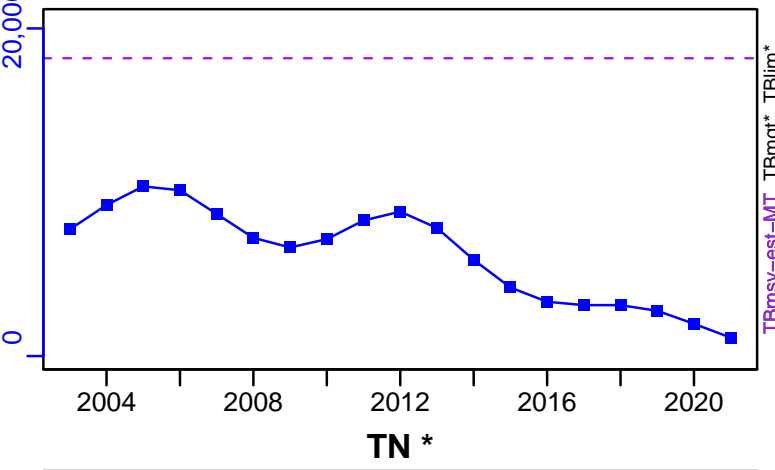
Production (2003–2021–HIVELY)



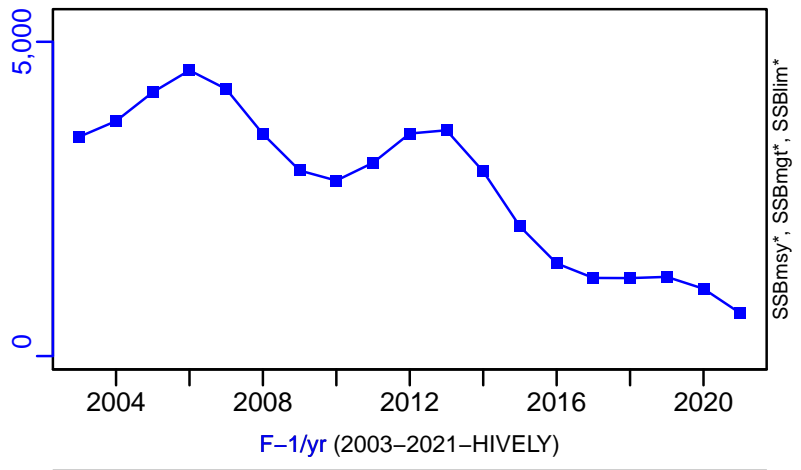
◆ Start Year ◆ End Year * No Data

Sardine South of Sicily [SARDMEDGSA16]

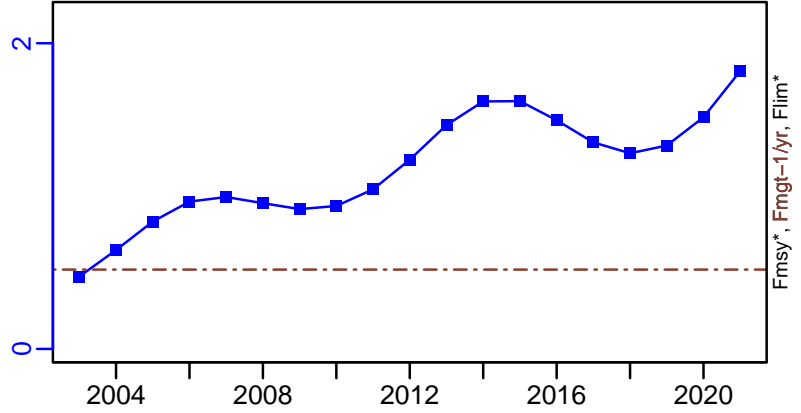
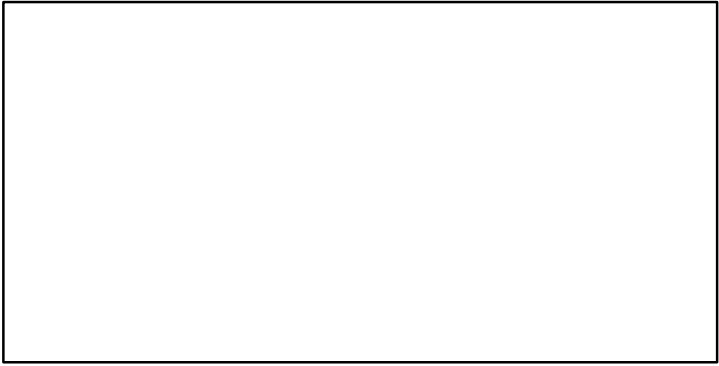
TB-MT (2003-2021-HIVELY)



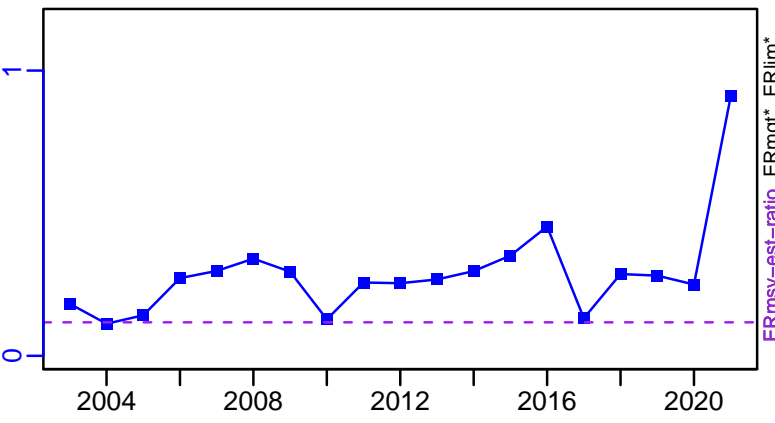
SSB-MT (2003-2021-HIVELY)



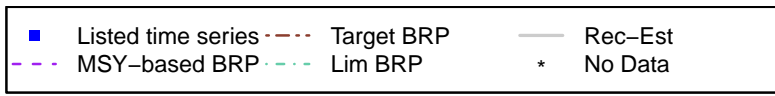
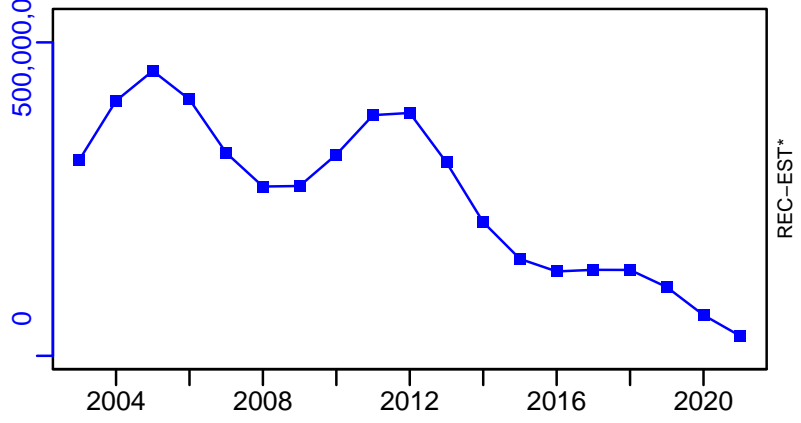
F-1/yr (2003-2021-HIVELY)



ER-calc-ratio (2003-2021-HIVELY)



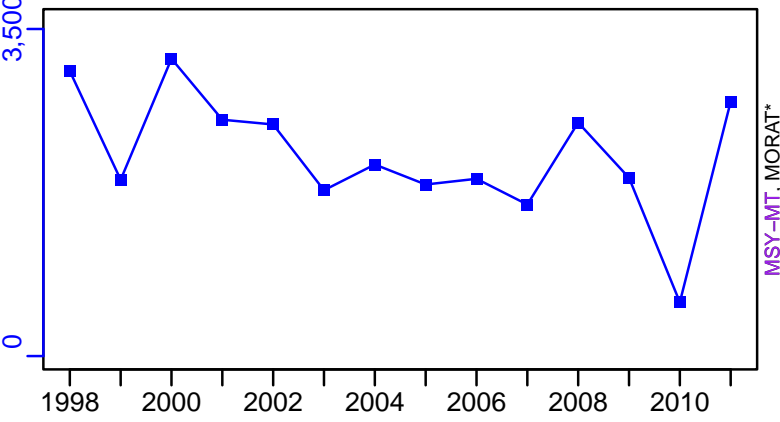
R-E00 (2003-2021-HIVELY)



Sardine South of Sicily [SARDMEDGSA16]

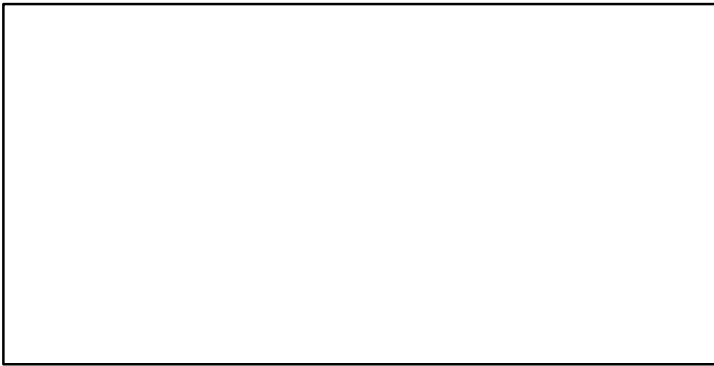
TC-MT, TL*, RecC* (1998-2011-BANOBI)

TAC*, Cpair*, Cadv*



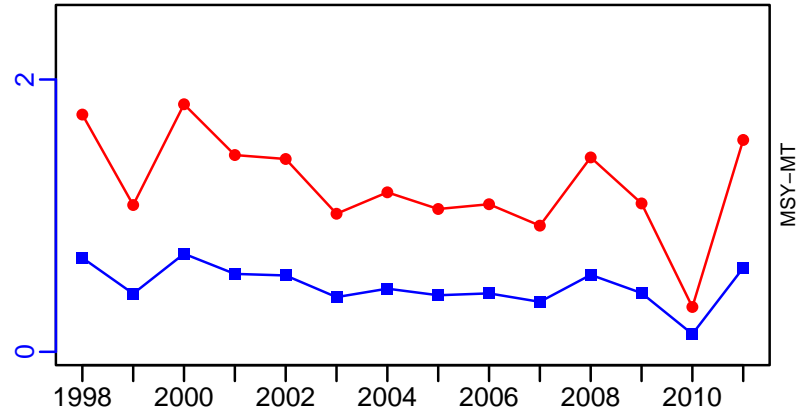
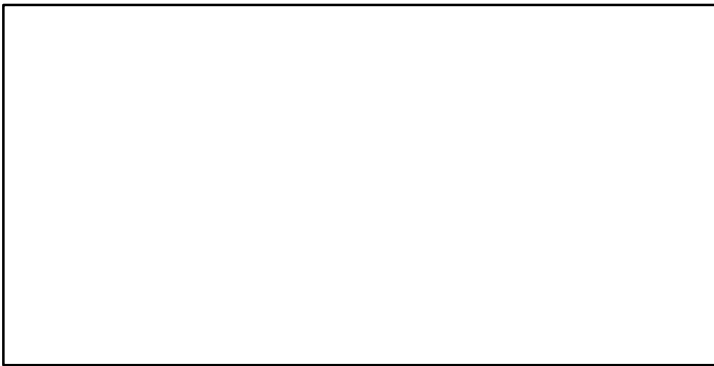
survB*

CPUE*



EFFORT*

TC-MT/MSY-MT, CdivMEANC-ratio, (1998-2011-BANOBI)



Sardine Adriatic Sea (GSA 17,18) [SARDMEDGSA17-18]

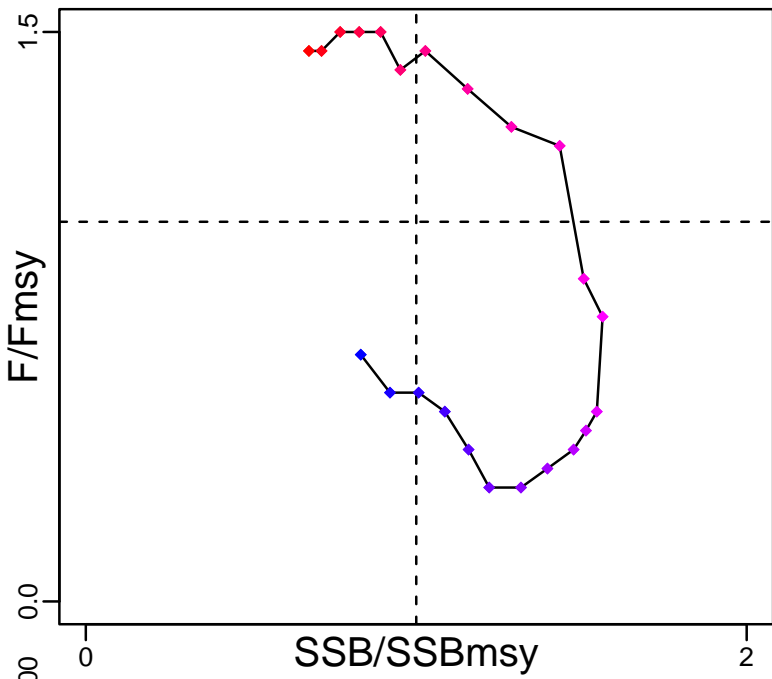
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	WGSASP-SARDMEDGSA17-18-2000-2022-HIVELY
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2013, 2015, 2016, 2022

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-MT	2022	254,971
Fmsy	Fmsy-1/yr	2022	0.2
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2022	254,971
Fmgt	Fmgt-1/yr	2022	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2022	76,491
Flim	-	-	-
ERlim	-	-	-

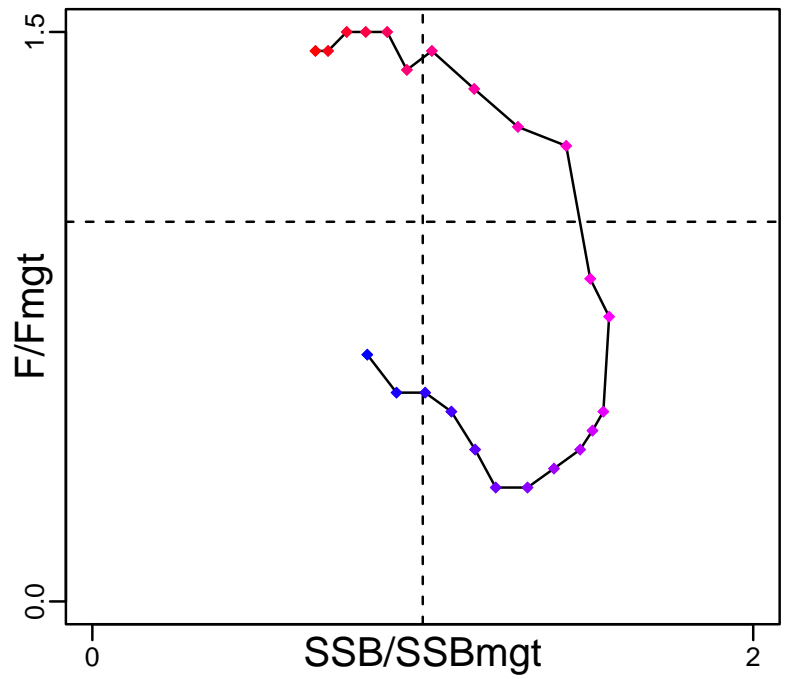
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	573,000	-	-
SSB	SSB-MT	2022	172,167	-	-
TN	-	-	-	-	-
R	R-E00	2016	24,791,217,000	-	-
F	F-1/yr	2022	0.29	-	-
ER	ER-calc-ratio	2015	0.135	-	-
TC	TC-MT	2022	50,537		
TL	TL-MT	2022	50,537		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2022	0.675		
F/Fmsy	F-1/yr/Fmsy-1/yr	2022	1.45		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2022	0.675		
F/Fmgt	F-1/yr/Fmgt-1/yr	2022	1.45		
ER/ERmgt	-	-	-		

Sardine Adriatic Sea (GSA 17,18) [SARDMEDGSA17-18]

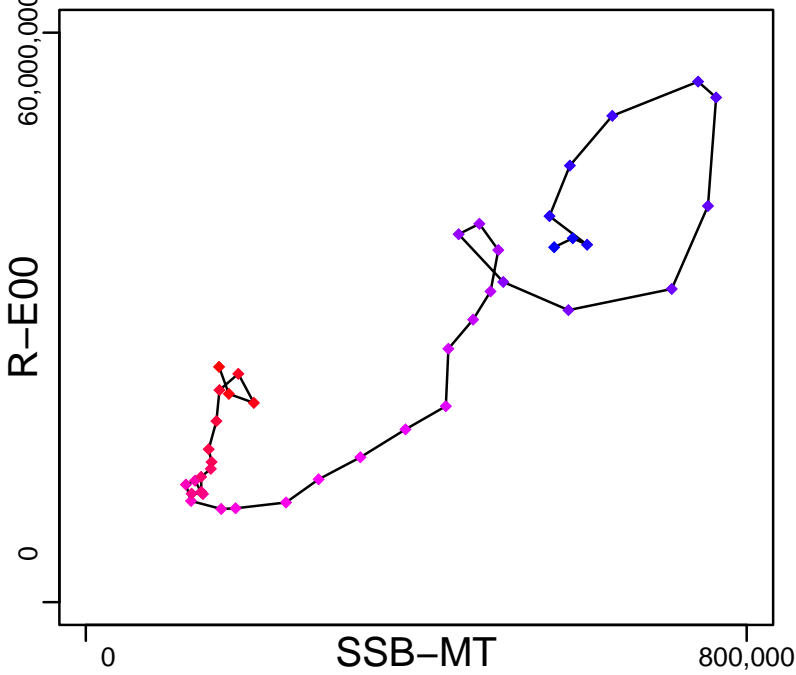
Kobe MSYpref (2000–2022–HIVELY)



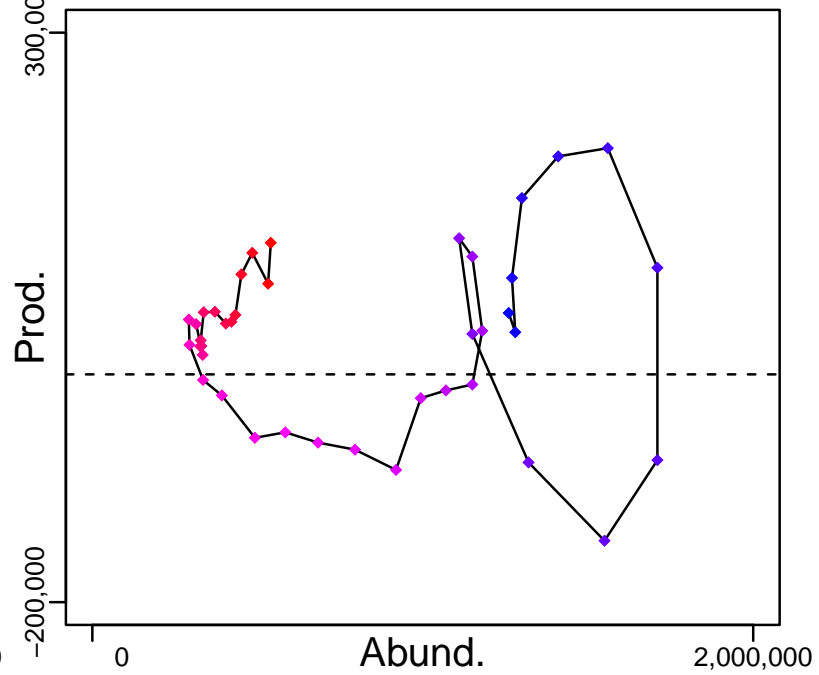
Kobe MGTpref (2000–2022–HIVELY)



Spawner Recruit (1975–2016–MEDIMP2021–2)



Production (2000–2022–HIVELY)

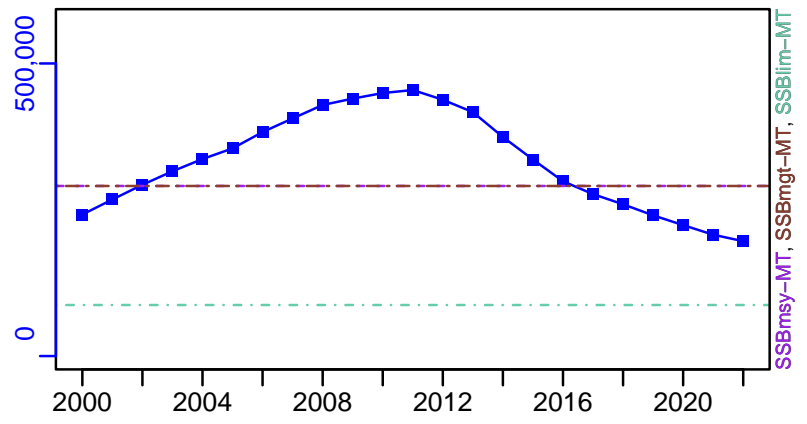
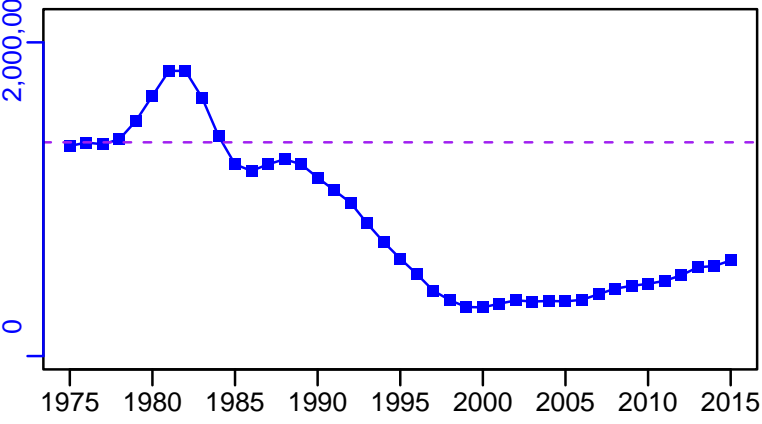


◆ Start Year ◆ End Year * No Data

Sardine Adriatic Sea (GSA 17,18) [SARDMEDGSA17-18]

TB-MT (1975-2015-OSIO)

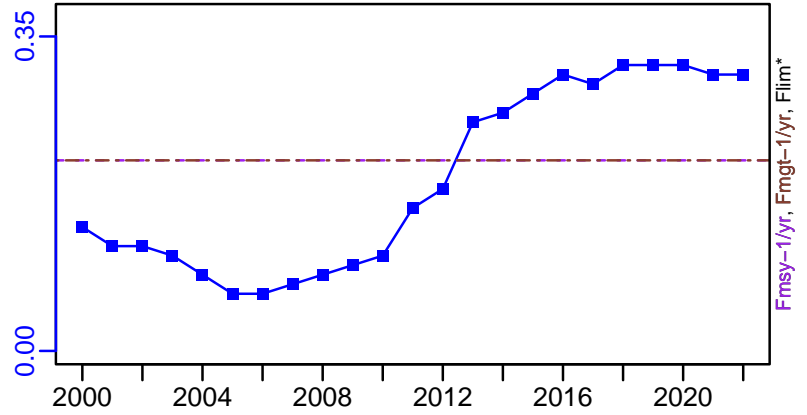
SSB-MT (2000-2022-HIVELY)



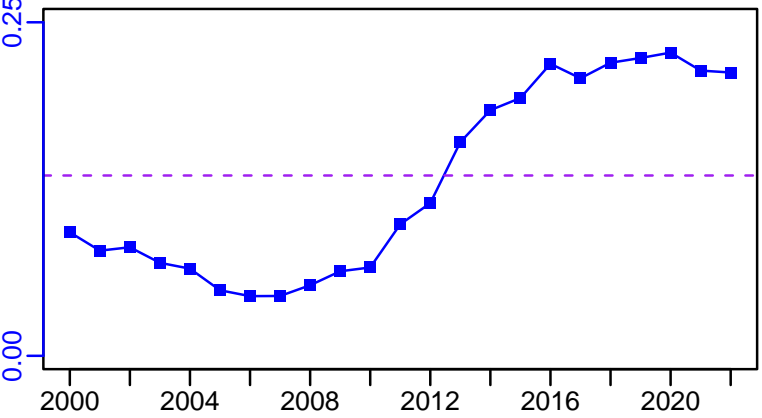
TN *



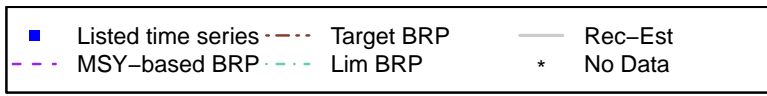
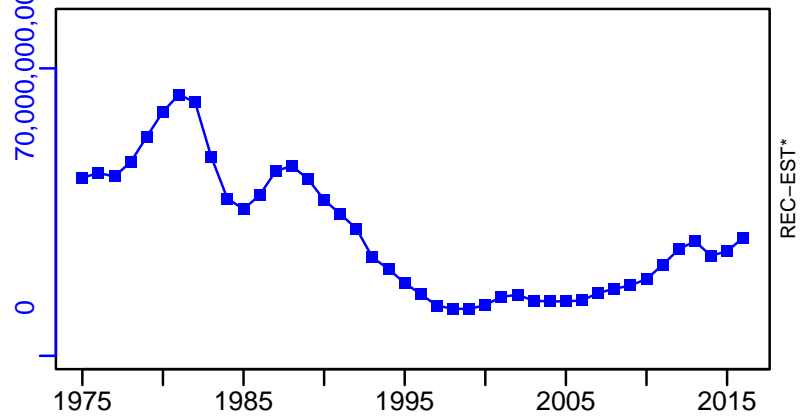
F-1/yr (2000-2022-HIVELY)



ER-calc-ratio (2000-2022-HIVELY)



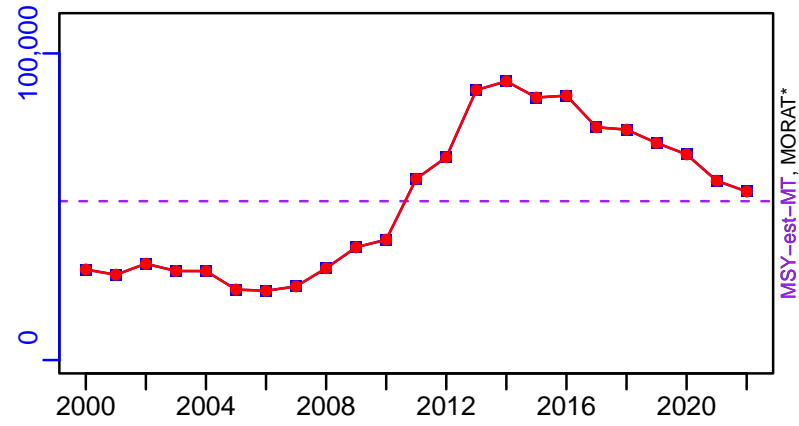
R-E00 (1975-2016-MEDIMP2021-2)



Sardine Adriatic Sea (GSA 17,18) [SARDMEDGSA17-18]

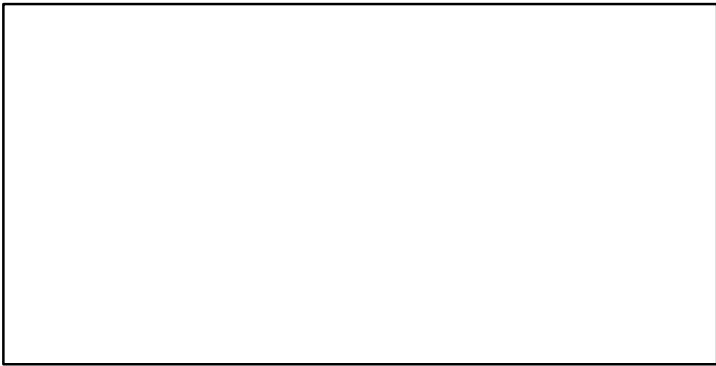
TC-MT, TL-MT, RecC* (2000-2022-HIVELY)

TAC*, Cpair*, Cadv*



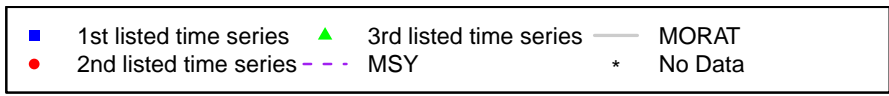
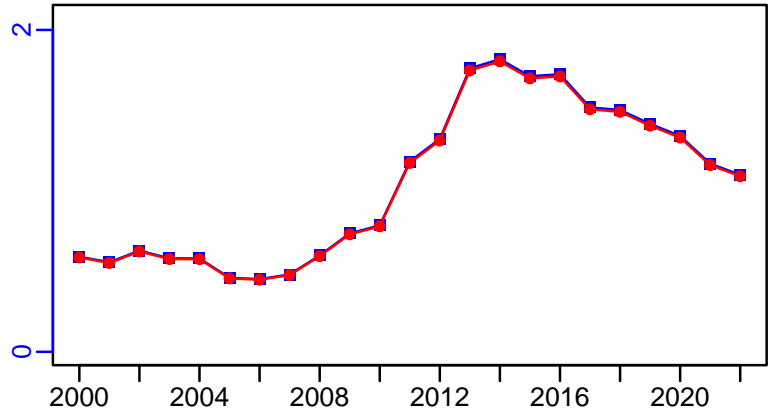
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2000-2022-HIVELY)



European pilchard Eastern Ionian Sea [SARDMEDGSA20]

Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA20-2000-2008-OSIO
Area	Eastern Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	5650	-	1 to 3
TN	-	-	-	-	-
R	R-E00	2008	1.02×10^9	-	-
F	F-1/yr	2008	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2008	2940		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

European pilchard Eastern Ionian Sea [SARDMEDGSA20]

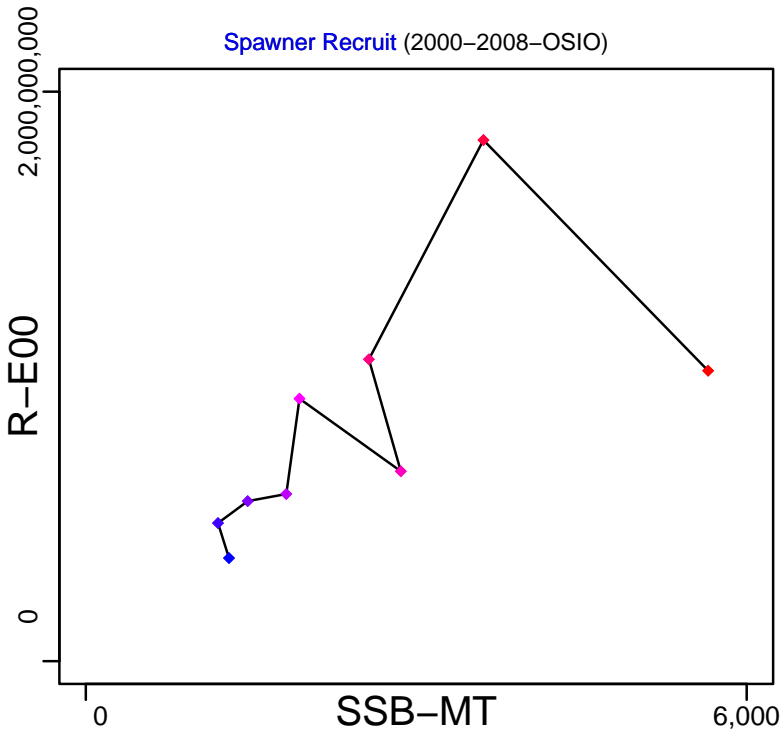
Kobe MSY*



Kobe MGT*



Spawner Recruit (2000-2008-OSIO)



Production*



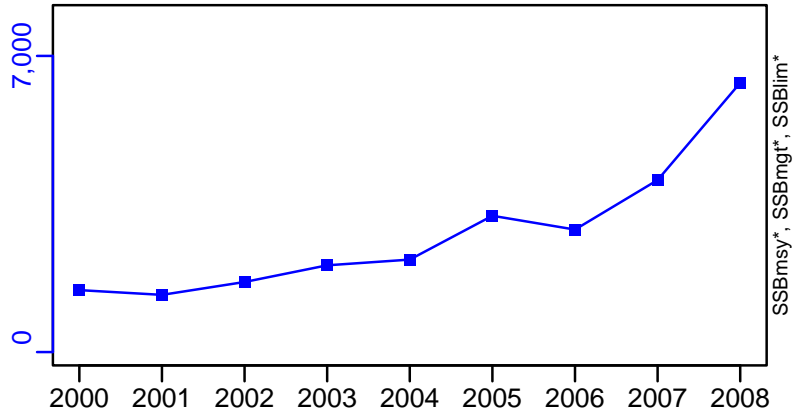
◆ Start Year ◆ End Year * No Data

European pilchard Eastern Ionian Sea [SARDMEDGSA20]

TB*



SSB-MT (2000-2008-OSIO)



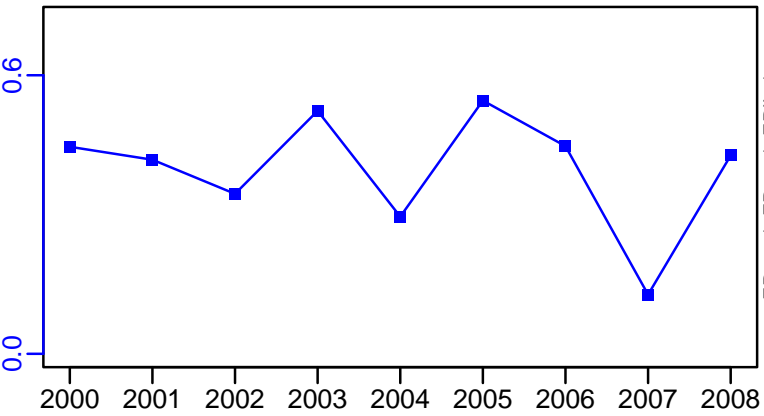
TN *



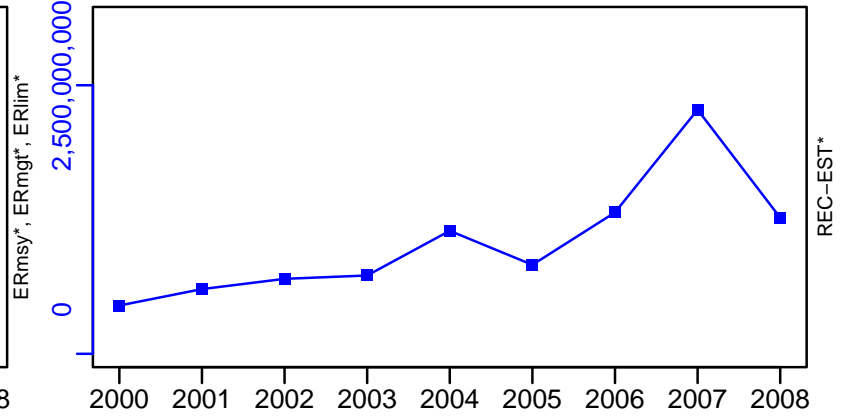
F-1/yr (2000-2008-OSIO)



ER-calc-ratio (2000-2008-OSIO)



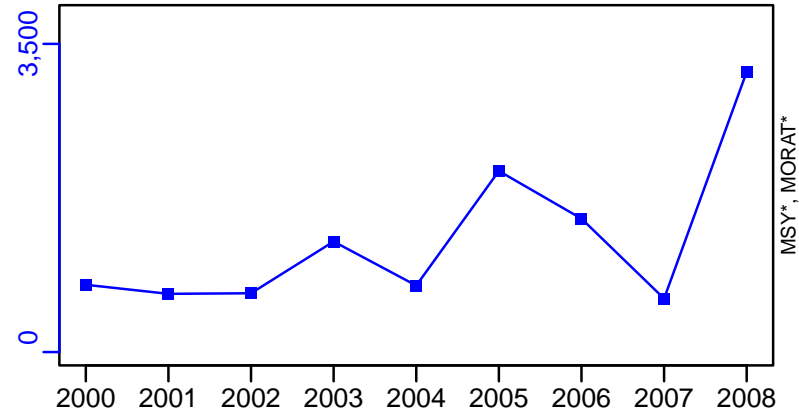
R-E00 (2000-2008-OSIO)



European pilchard Eastern Ionian Sea [SARDMEDGSA20]

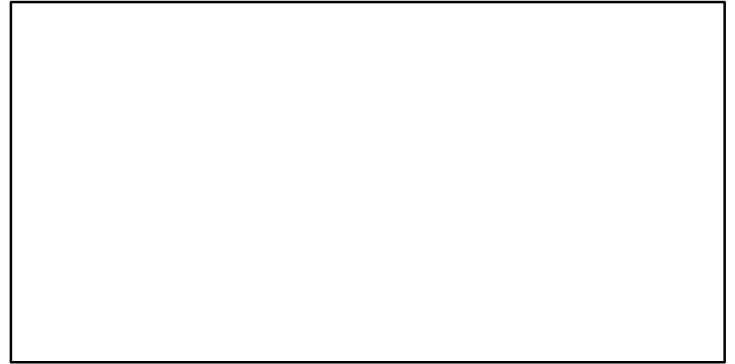
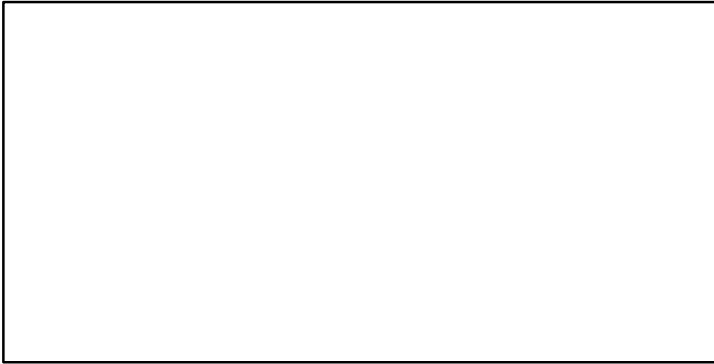
TC-MT, TL*, RecC* (2000-2008-OSIO)

TAC*, Cpair*, Cadv*



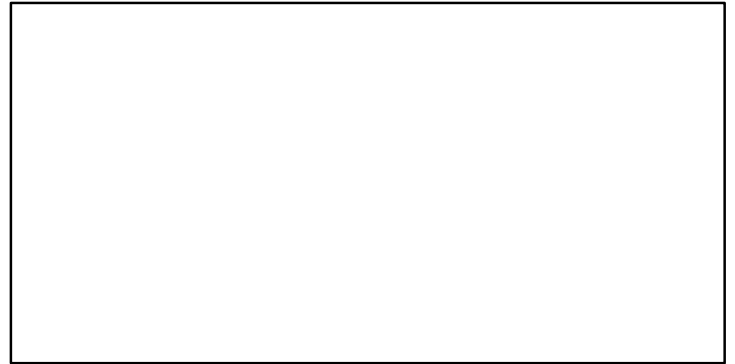
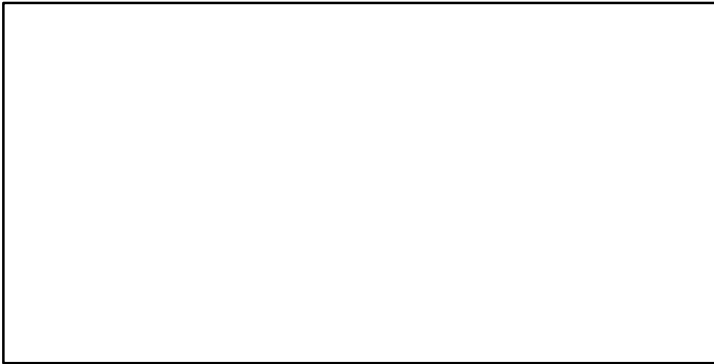
survB*

CPUE*



EFFORT*

CdivMSY*



**European pilchard Aegean Sea and Crete Island (GSA 22,23)
[SARDMEDGSA22-23]**

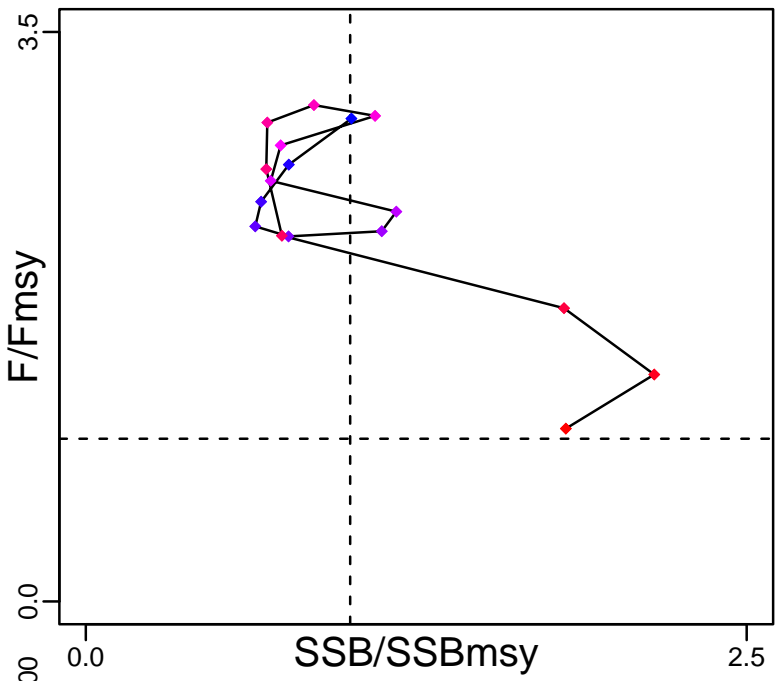
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA22-23-2000-2016-MEDIMP2021-2
Area	Aegean Sea and Crete Island (GSA 22,23)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.503
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.503
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

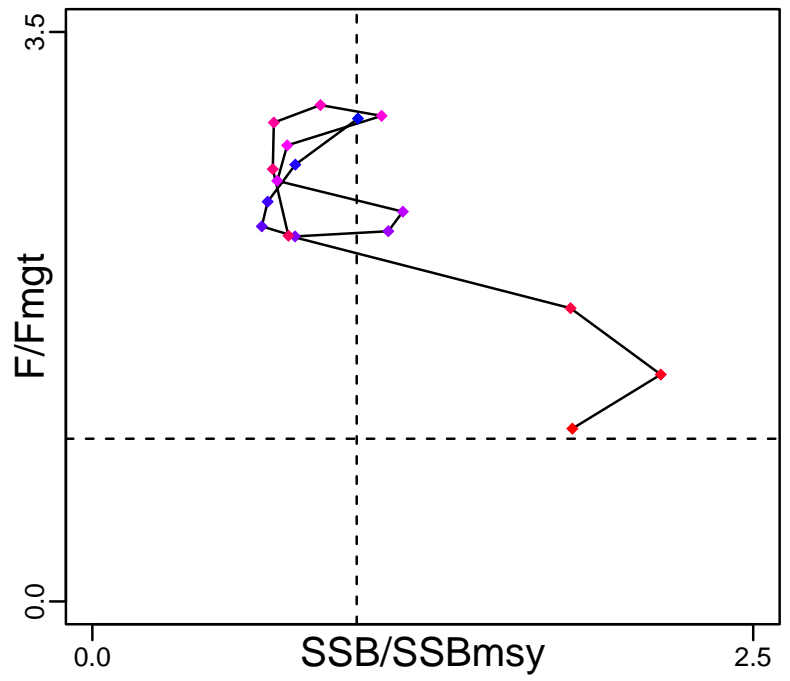
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	33,851	-	-
TN	-	-	-	-	-
R	R-E00	2016	6,176,295,000	-	-
F	F-1/yr	2016	0.534	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	9655	-	-
TL	-	-	-	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.062	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.062	-	-
ER/ERmgt	-	-	-	-	-

European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]

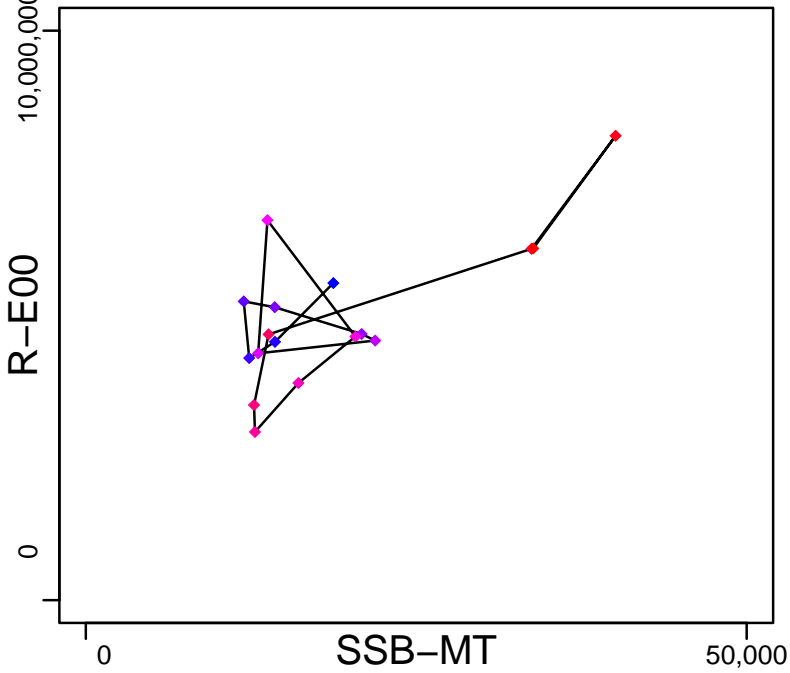
Kobe MSYpref (2000-2016-MEDIMP2021-2)



Kobe MGTpref (2000-2016-MEDIMP2021-2)



Spawner Recruit (2000-2016-MEDIMP2021-2)



Production*



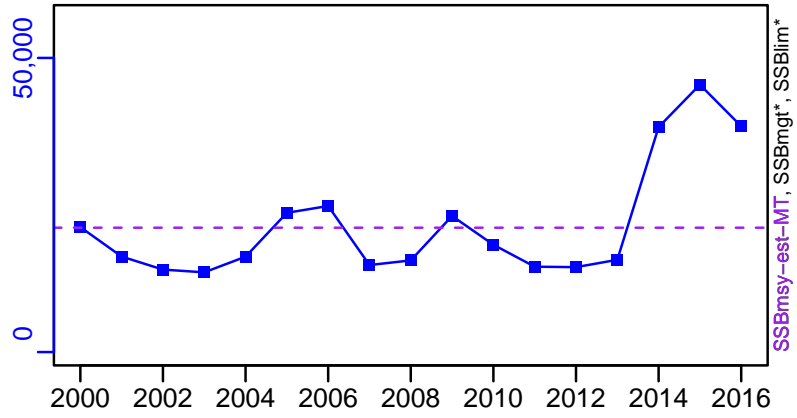
◆ Start Year ◆ End Year * No Data

European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]

TB*



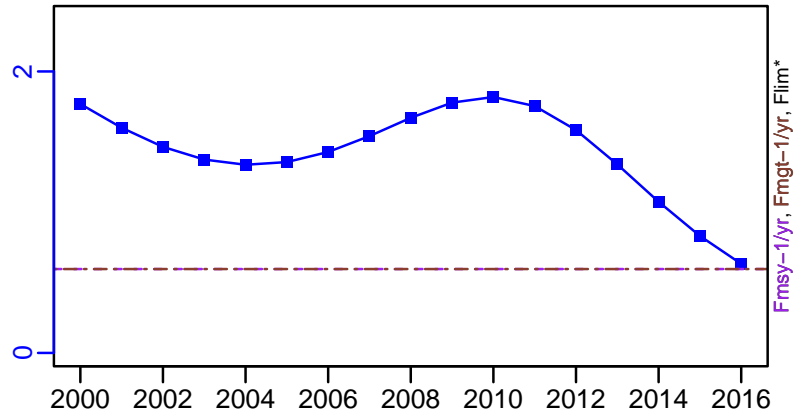
SSB-MT (2000-2016-MEDIMP2021-2)



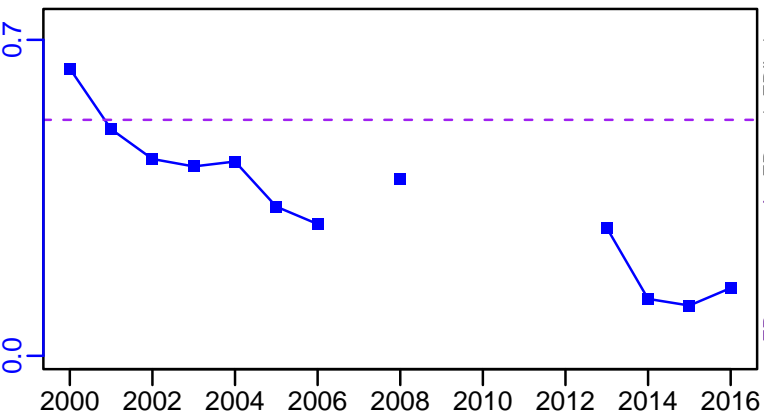
TN *



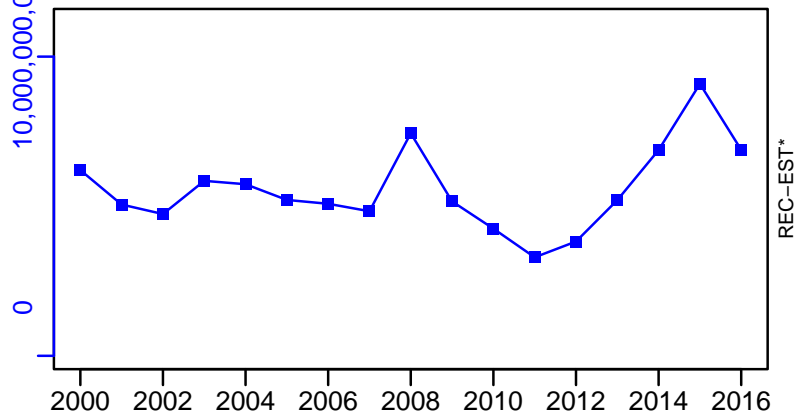
F-1/yr (2000-2016-MEDIMP2021-2)



ER-calc-ratio (2000-2016-MEDIMP2021-2)



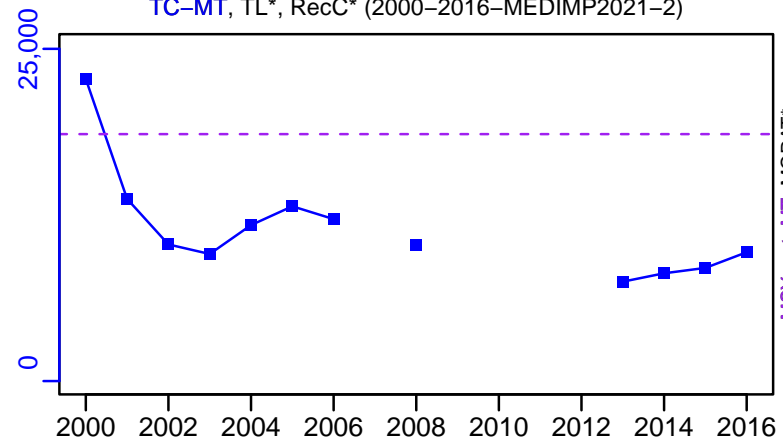
R-E00 (2000-2016-MEDIMP2021-2)



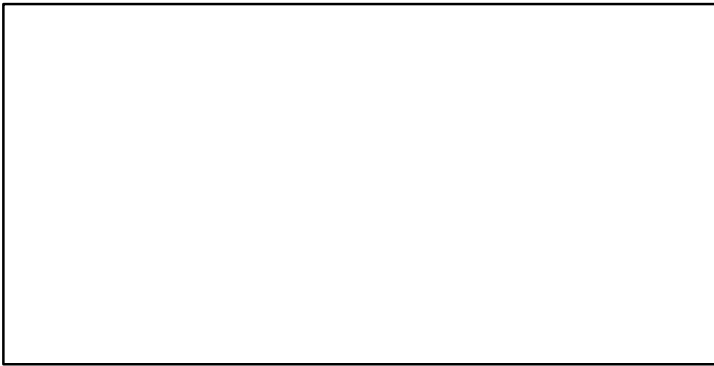
European pilchard Aegean Sea and Crete Island (GSA 22,23) [SARDMEDGSA22-23]

TC-MT, TL*, RecC* (2000-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



survB*



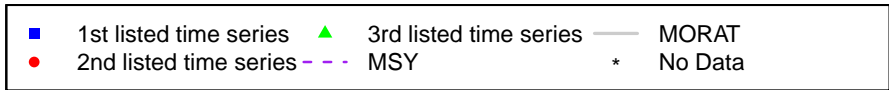
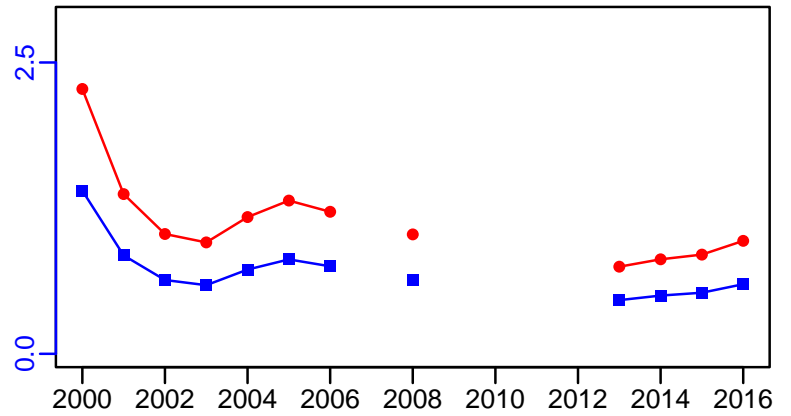
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2000-2016-MEDIMP2021-2)



European pilchard Northern Spain [SARDMEDGSA6]

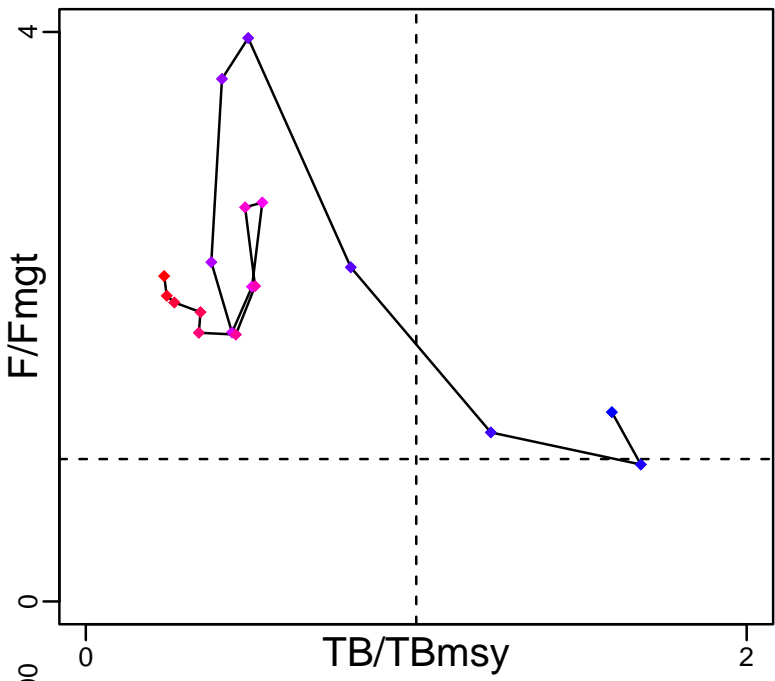
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	WGSASP-SARDMEDGSA6-2004-2021-HIVELY
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2016, 2013, 2015, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.7
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.47
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

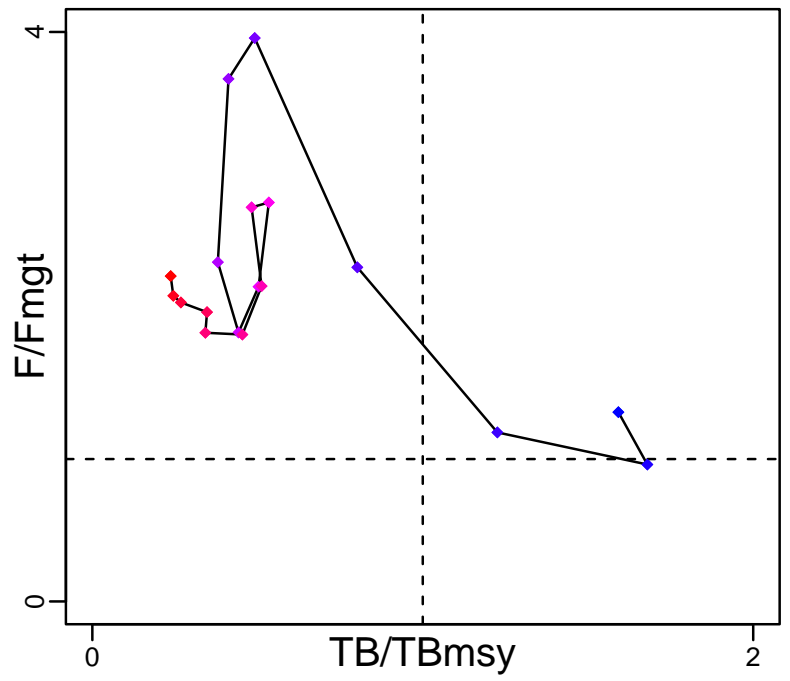
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	14,412	-	-
SSB	SSB-MT	2021	11,693	-	-
TN	-	-	-	-	-
R	R-E00	2021	556,574,100	-	-
F	F-1/yr	2021	1.074	-	-
ER	ER-calc-ratio	2021	0.326	-	-
TC	TC-MT	2021	4705		
TL	TL-MT	2015	6310		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.529		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	2.285		
ER/ERmgt	-	-	-		

European pilchard Northern Spain [SARDMEDGSA6]

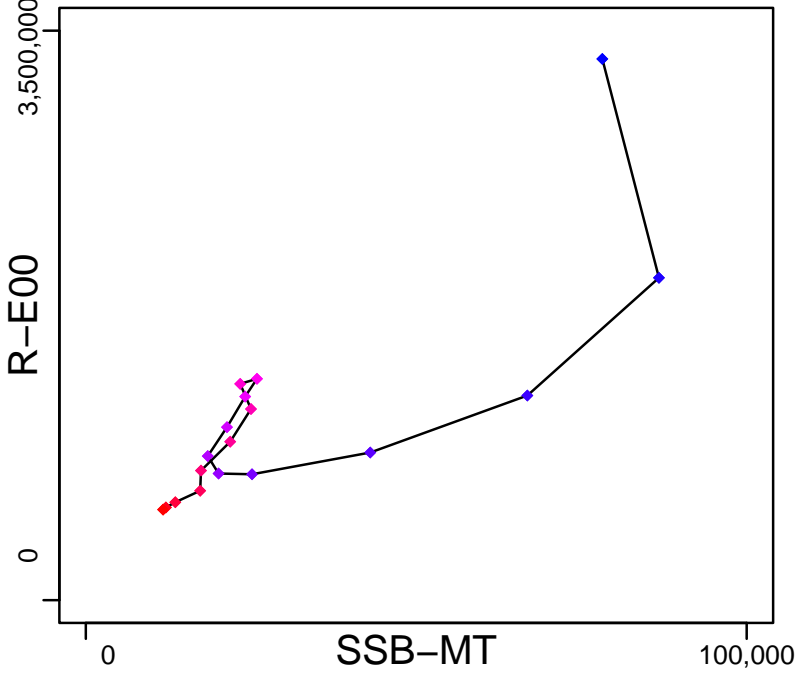
Kobe MSYpref (2004–2021–HIVELY)



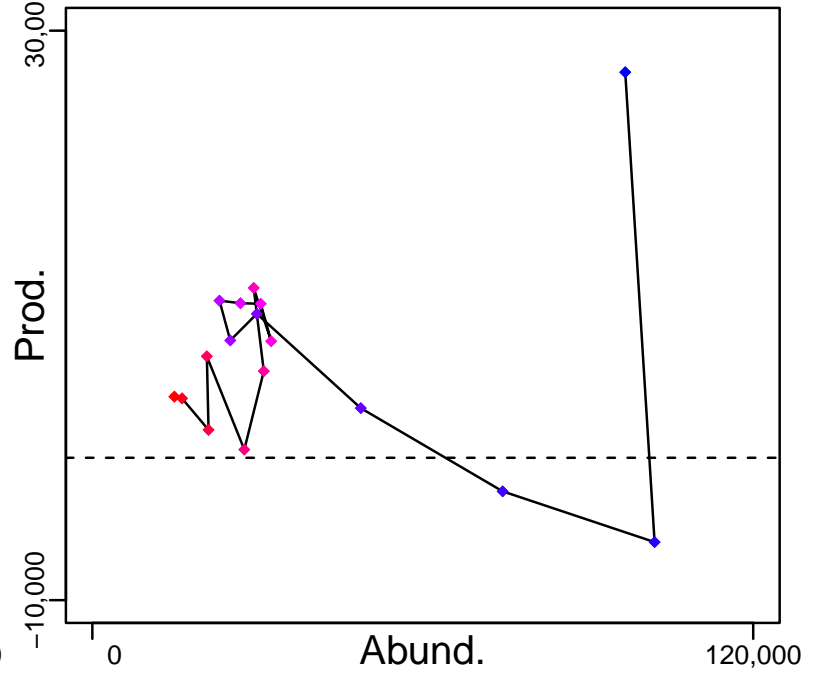
Kobe MGTpref (2004–2021–HIVELY)



Spawner Recruit (2004–2021–HIVELY)



Production (2004–2021–HIVELY)

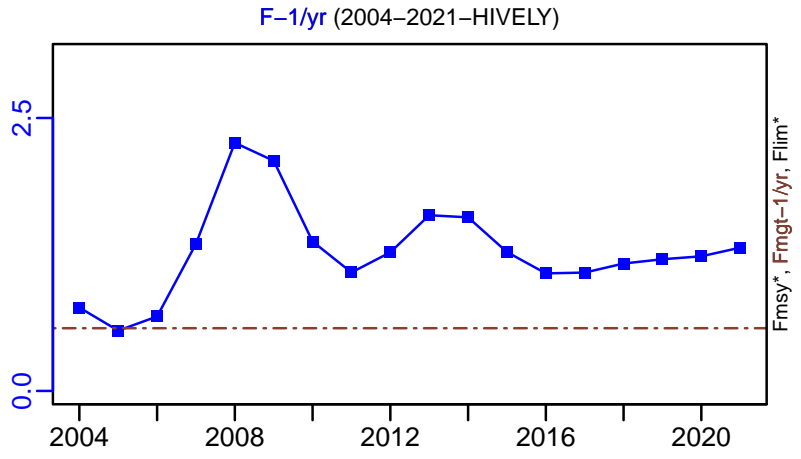
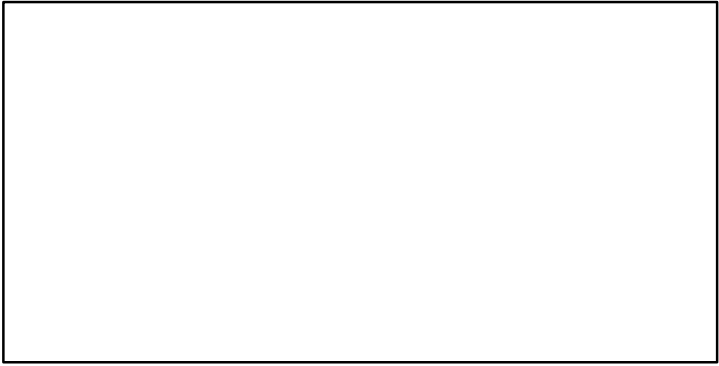
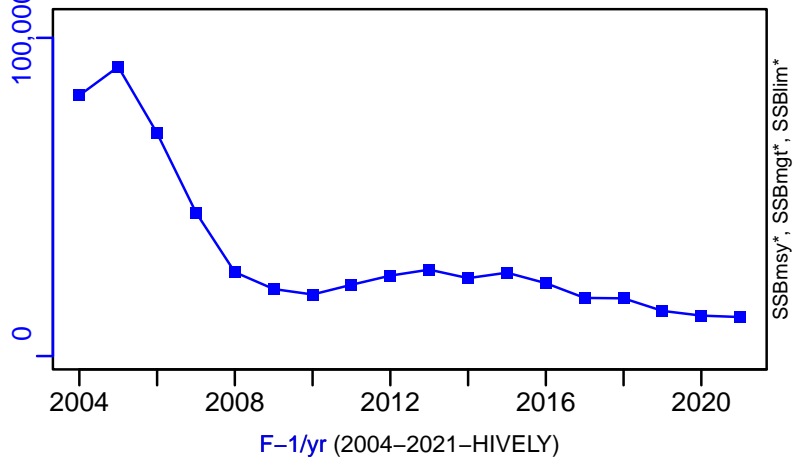
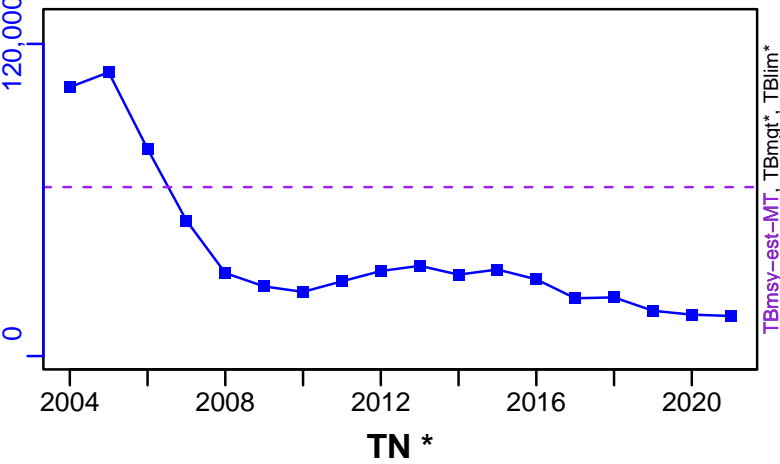


◆ Start Year ◆ End Year * No Data

European pilchard Northern Spain [SARDMEDGSA6]

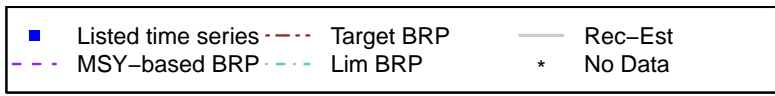
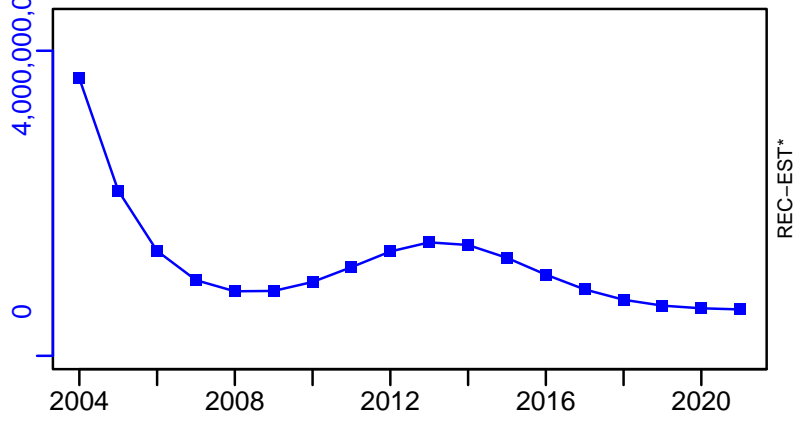
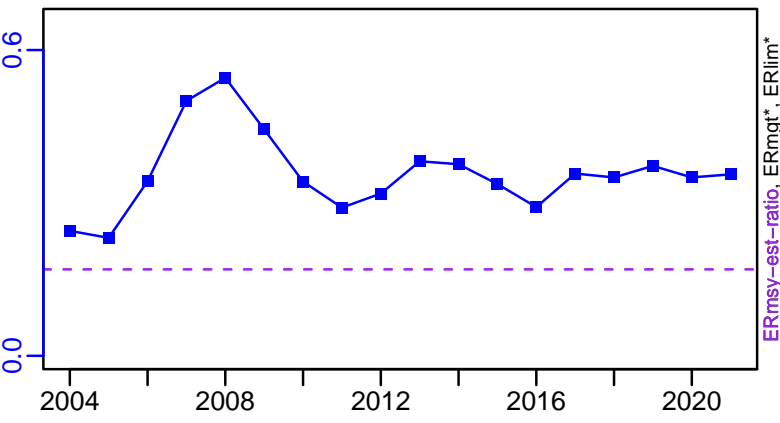
TB-MT (2004-2021-HIVELY)

SSB-MT (2004-2021-HIVELY)



ER-calc-ratio (2004-2021-HIVELY)

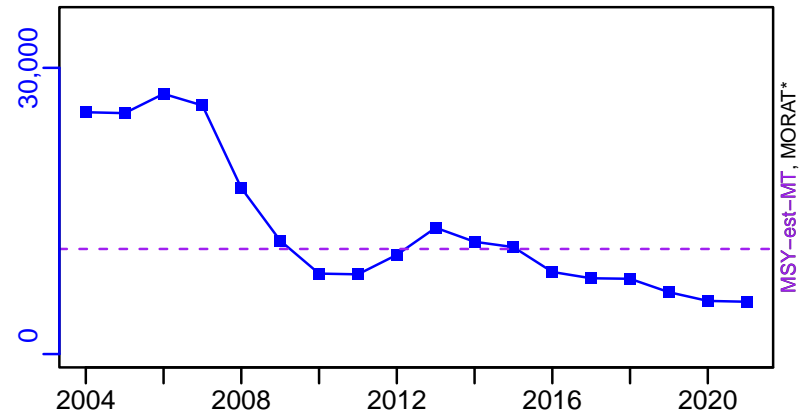
R-E00 (2004-2021-HIVELY)



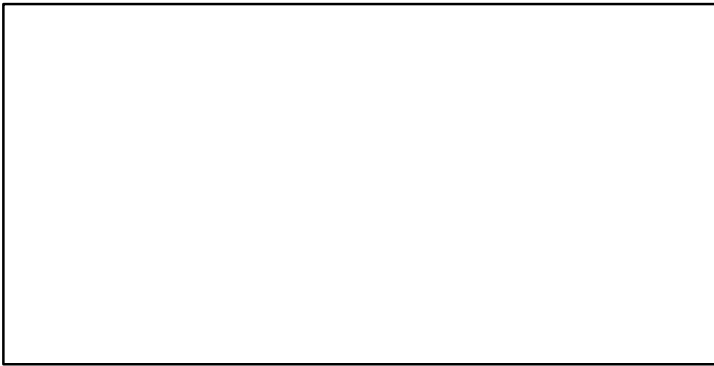
European pilchard Northern Spain [SARDMEDGSA6]

TC-MT, TL*, RecC* (2004-2021-HIVELY)

TAC*, Cpair*, Cadv*



survB*



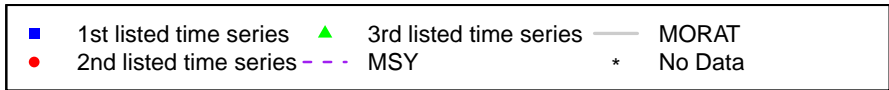
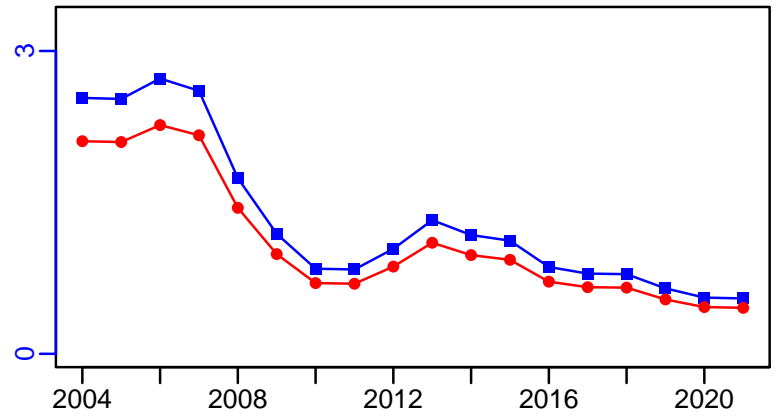
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (2004-2021-HIVELY)



Sardine Gulf of Lions [SARDMEDGSA7]

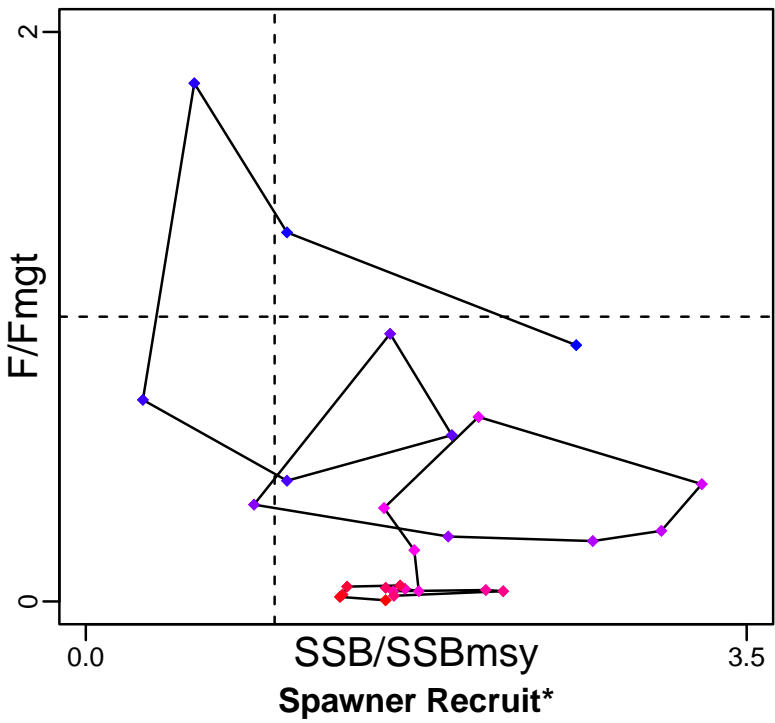
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	WGSASP-SARDMEDGSA7-1995-2021-HIVELY
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Small Pelagic species
Asmts in RAM	2012, 2021

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.25
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2021	10,784
Flim	-	-	-
ERlim	-	-	-

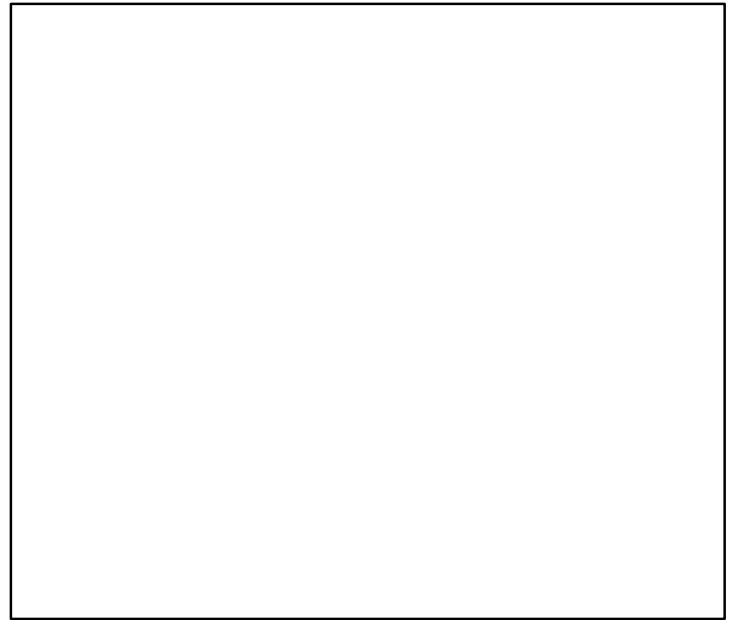
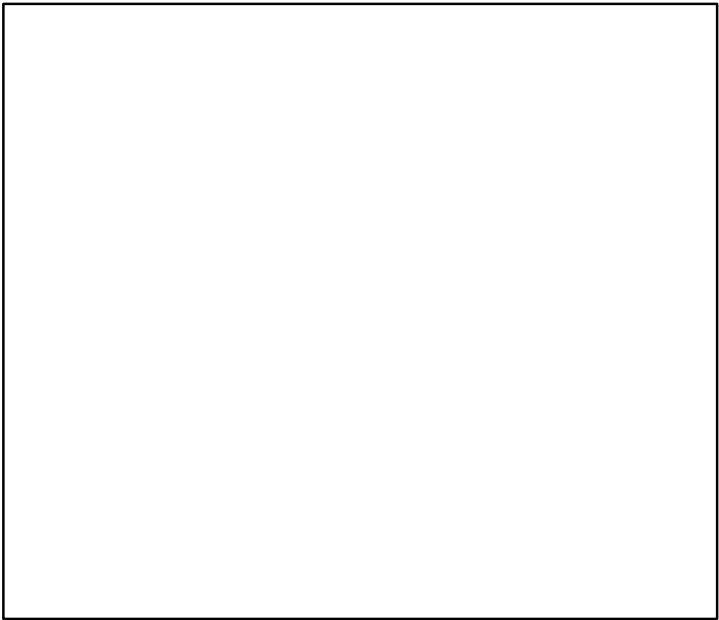
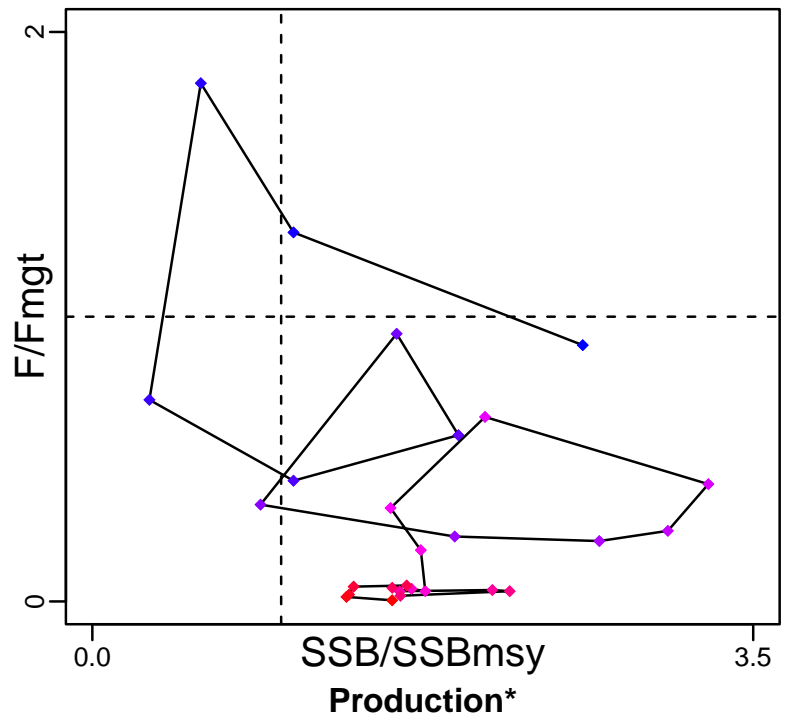
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	115,000	-	-
SSB	SSB-MT	2021	56,662	-	-
TN	-	-	-	-	-
R	R-MT	2012	57,500	-	-
F	F-1/yr	2021	0.001	-	-
ER	ER-calc-ratio	2012	0.027	-	-
TC	TC-MT	2012	782		
TL	TL-MT	2021	37		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	0.004		
ER/ERmgt	-	-	-		

Sardine Gulf of Lions [SARDMEDGSA7]

Kobe MSYpref (1995–2021–HIVELY)



Kobe MGTpref (1995–2021–HIVELY)

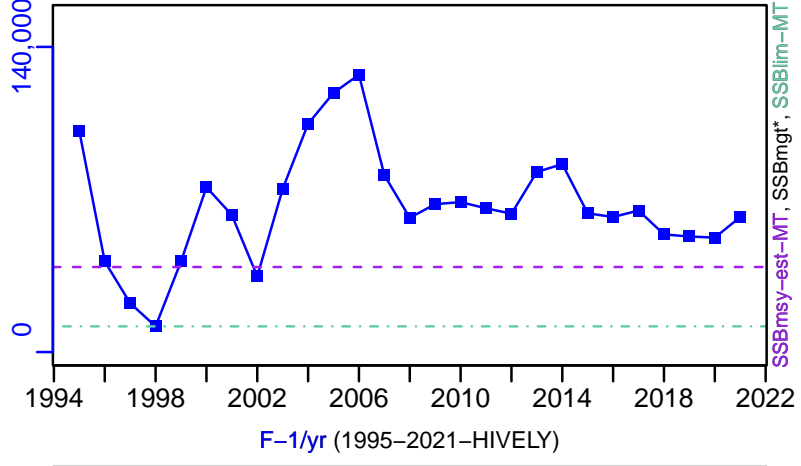
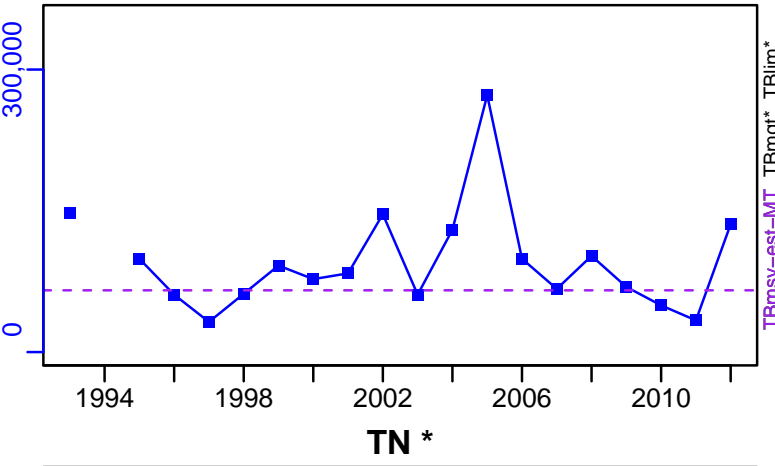


◆ Start Year ◆ End Year * No Data

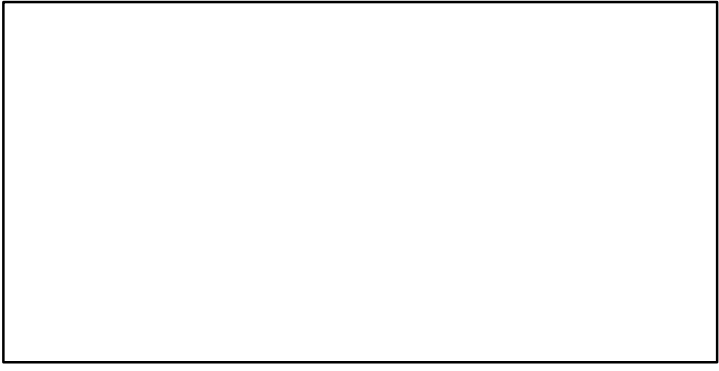
Sardine Gulf of Lions [SARDMEDGSA7]

TB-MT (1993-2012-BANOBI)

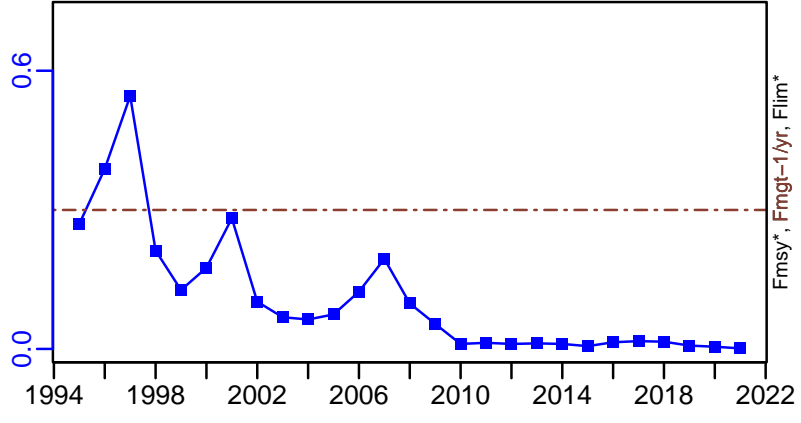
SSB-MT (1995-2021-HIVELY)



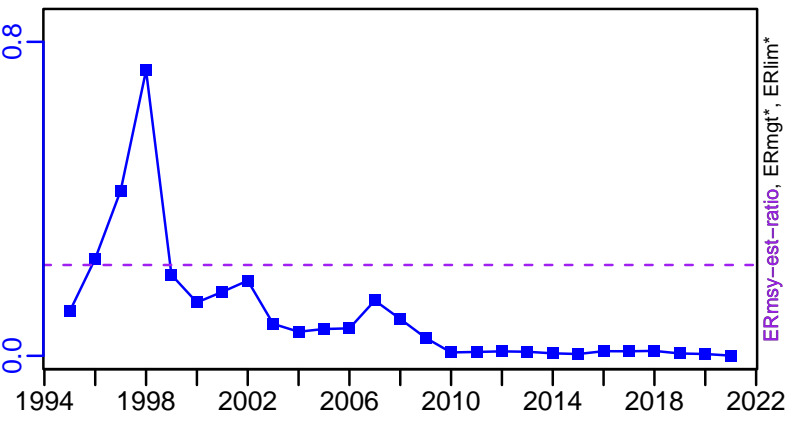
TN *



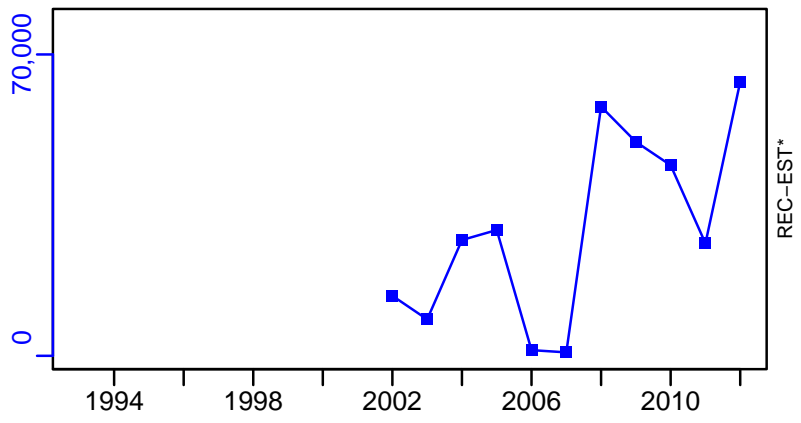
F-1/yr (1995-2021-HIVELY)



ER-calc-ratio (1995-2021-HIVELY)



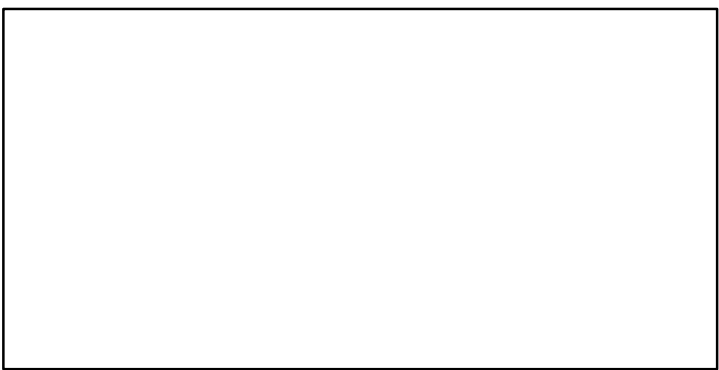
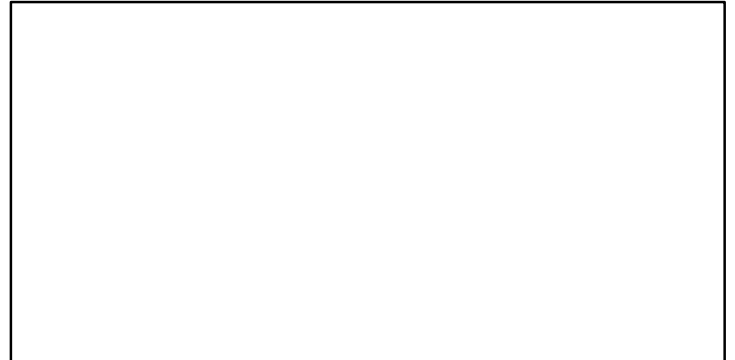
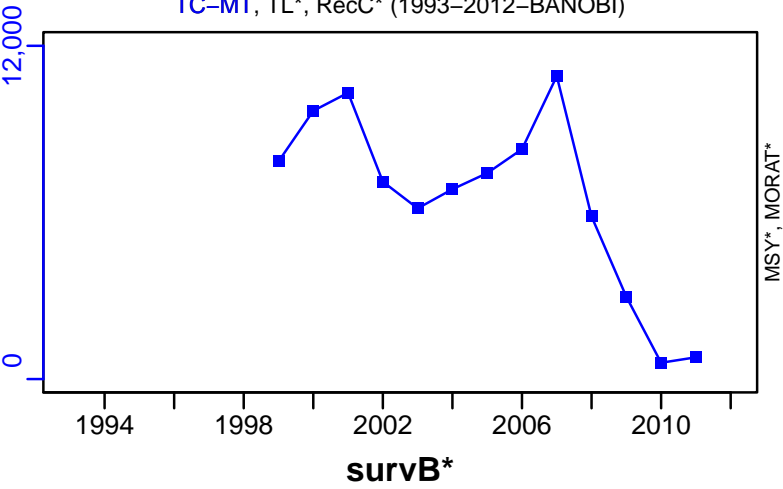
R-MT (1993-2012-BANOBI)



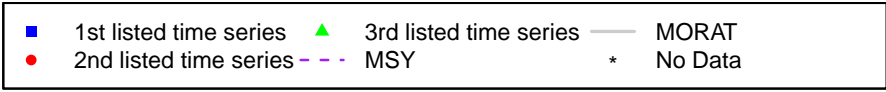
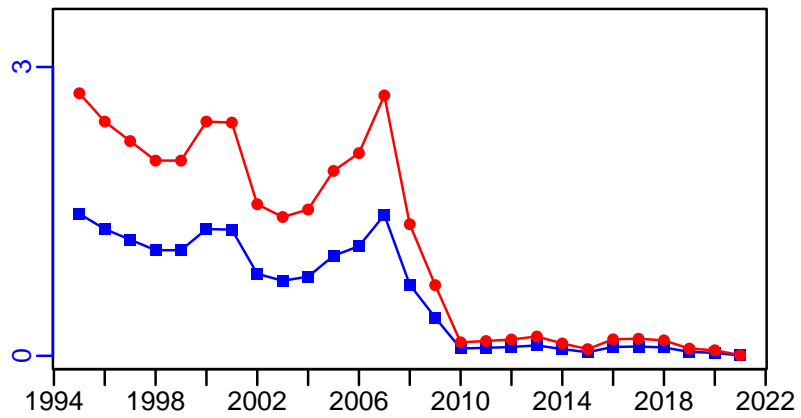
Sardine Gulf of Lions [SARDMEDGSA7]

TC-MT, TL*, RecC* (1993-2012-BANOBI)

TAC*, Cpair*, Cadv*



TL-MT/MSY-est-MT, CdivMEANC-ratio, (1995-2021-HIVELY)



European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]

Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA9-2006-2012-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	1730		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

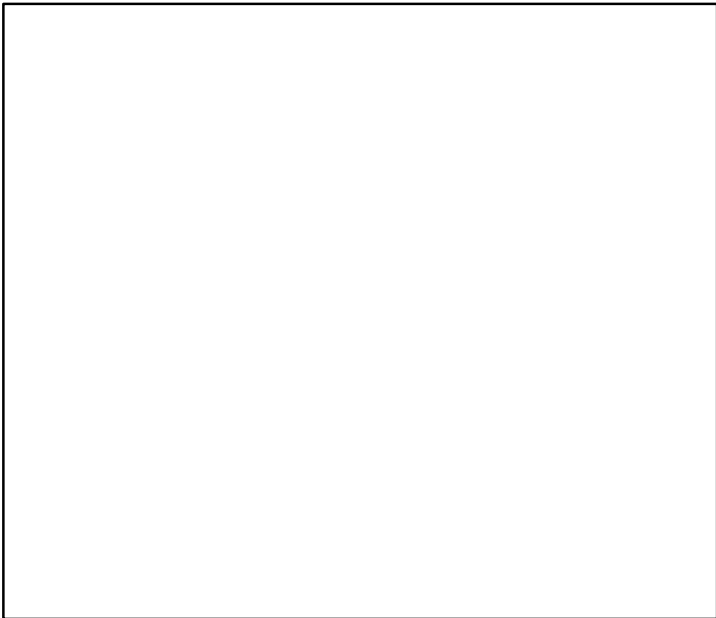
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]

TB*



SSB*



TN *



F*



ER*



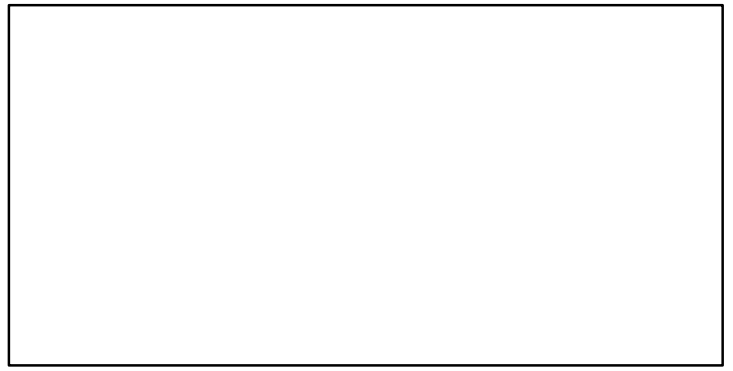
Recruits*



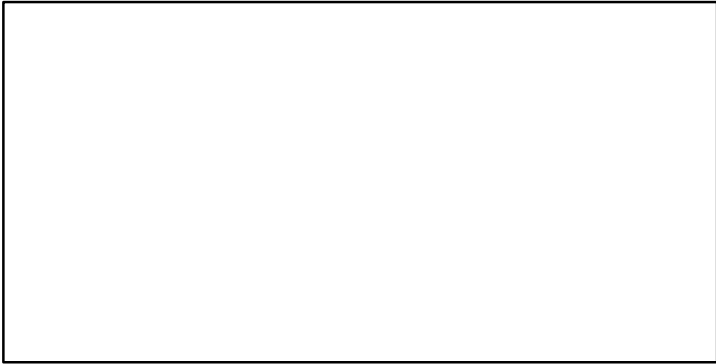
European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]

TC-MT, TL*, RecC* (2006-2012-OSIO)

TAC*, Cpair*, Cadv*



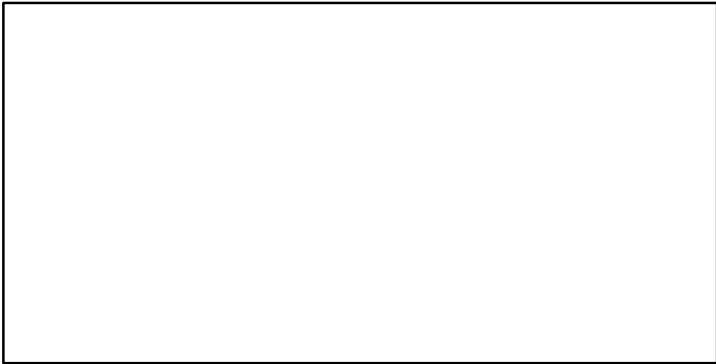
survB*



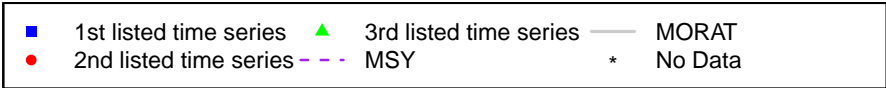
CPUE*



EFFORT*



CdivMSY*



Spiny dogfish Black Sea [SDOGBLKGSA29]

Metadata	
Scientific Name	Squalus acanthias
Current Assess ID	STECF-SDOGBLKGSA29-1989-2016-MEDIMP2021-2
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.15
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	703	-	-
TN	-	-	-	-	-
R	R-E00	2016	65,271	-	-
F	F-1/yr	2016	0.939	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	137		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	11.735		
ER/ERmgt	-	-	-		

Spiny dogfish Black Sea [SDOGBLKGSA29]

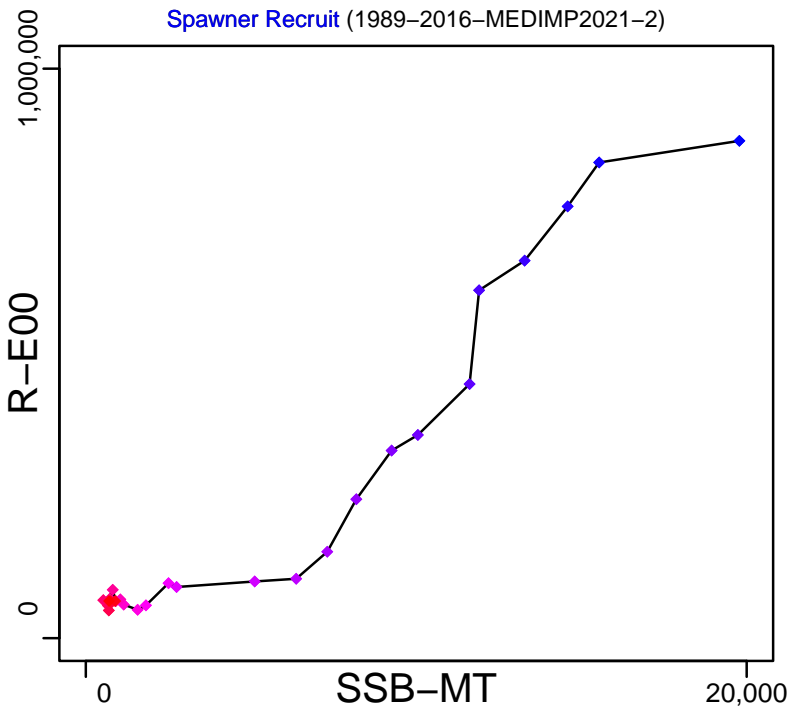
Kobe MSY*



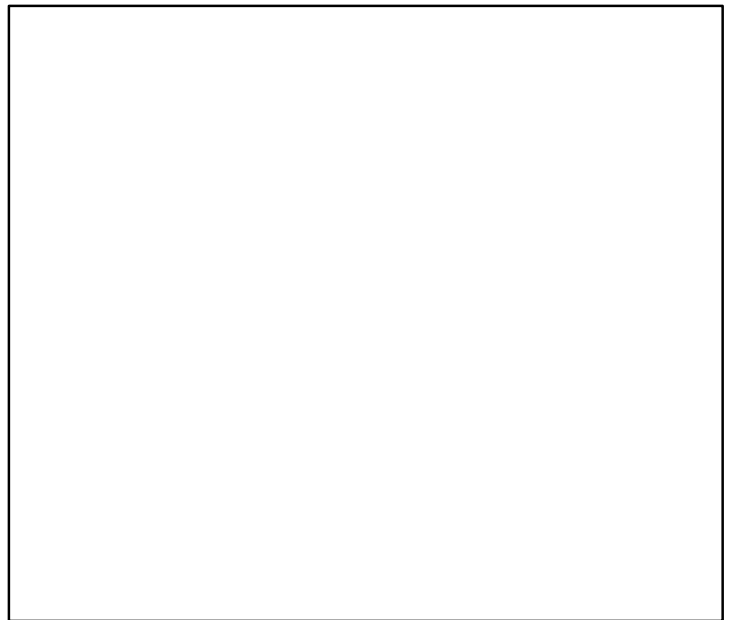
Kobe MGT*



Spawner Recruit (1989–2016–MEDIMP2021–2)



Production*



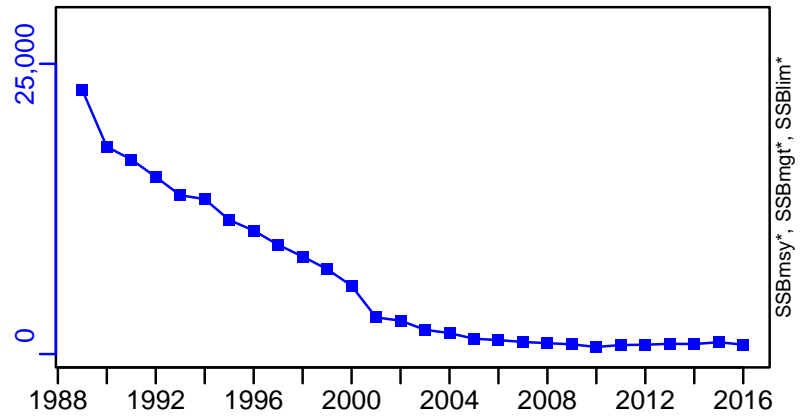
◆ Start Year ◆ End Year * No Data

Spiny dogfish Black Sea [SDOGBLKGSA29]

TB*



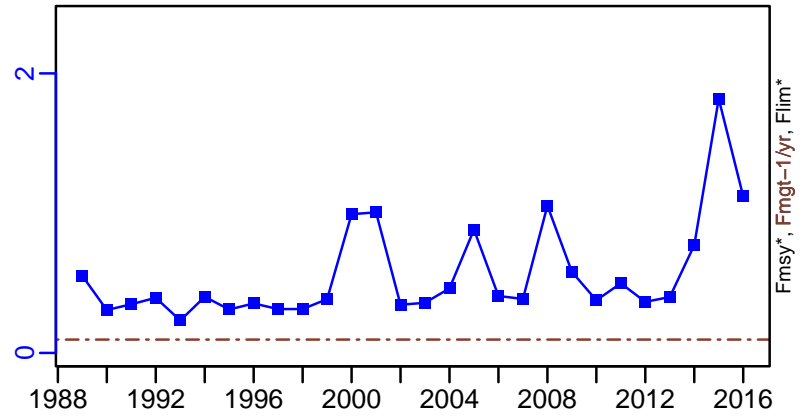
SSB-MT (1989-2016-MEDIMP2021-2)



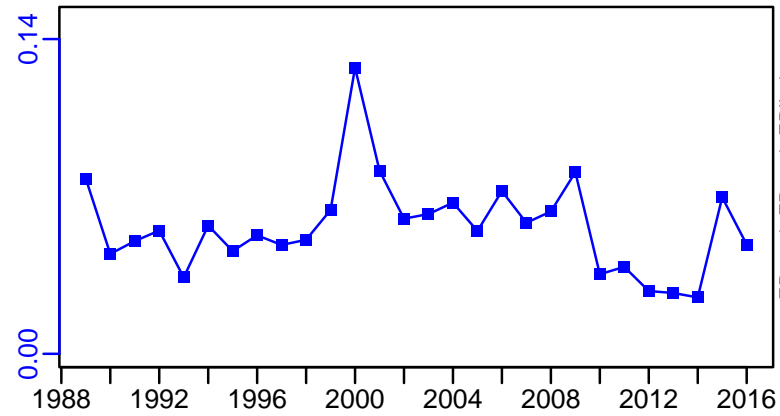
TN *



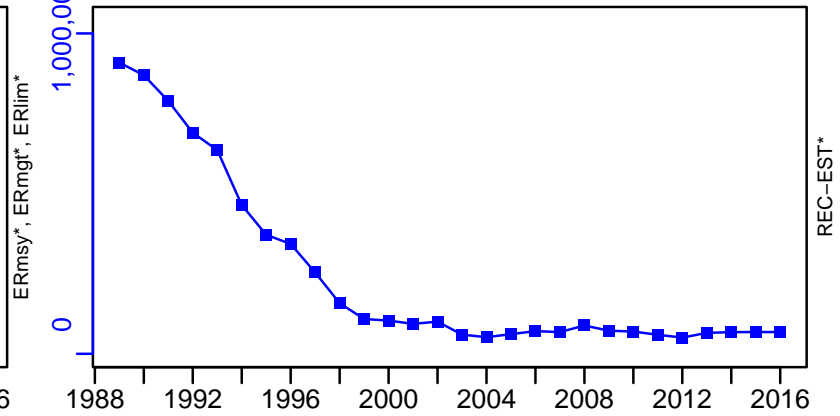
F-1/yr (1989-2016-MEDIMP2021-2)



ER-calc-ratio (1989-2016-MEDIMP2021-2)



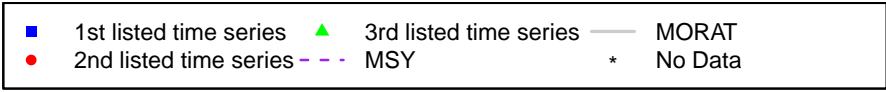
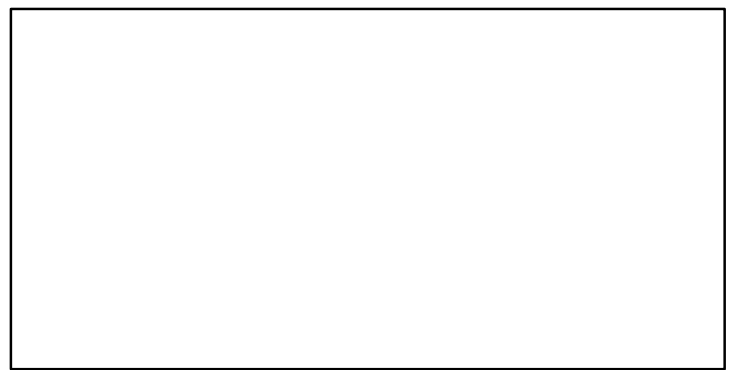
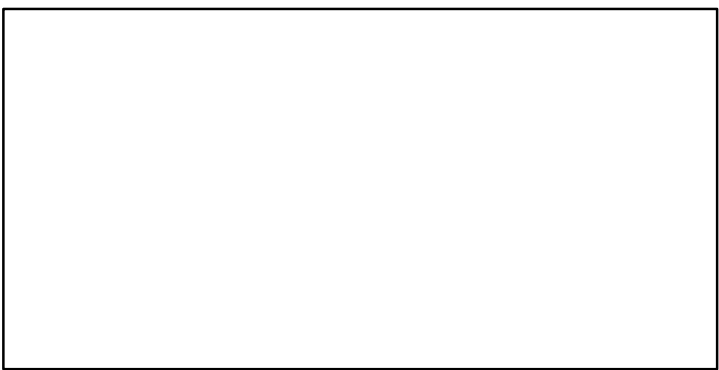
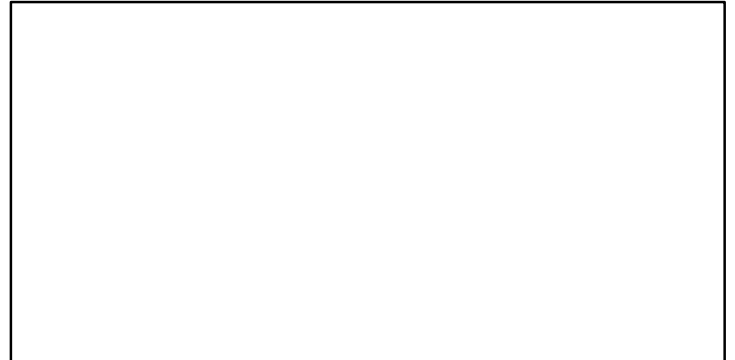
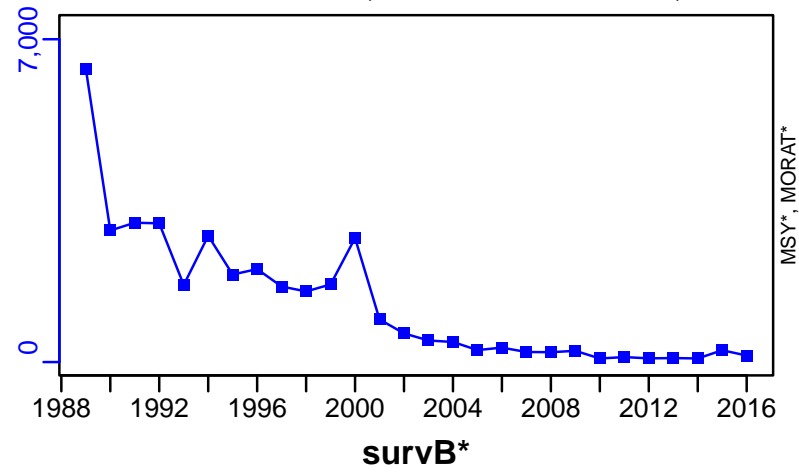
R-E00 (1989-2016-MEDIMP2021-2)



Spiny dogfish Black Sea [SDOGBLKGSA29]

TC-MT, TL*, RecC* (1989-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



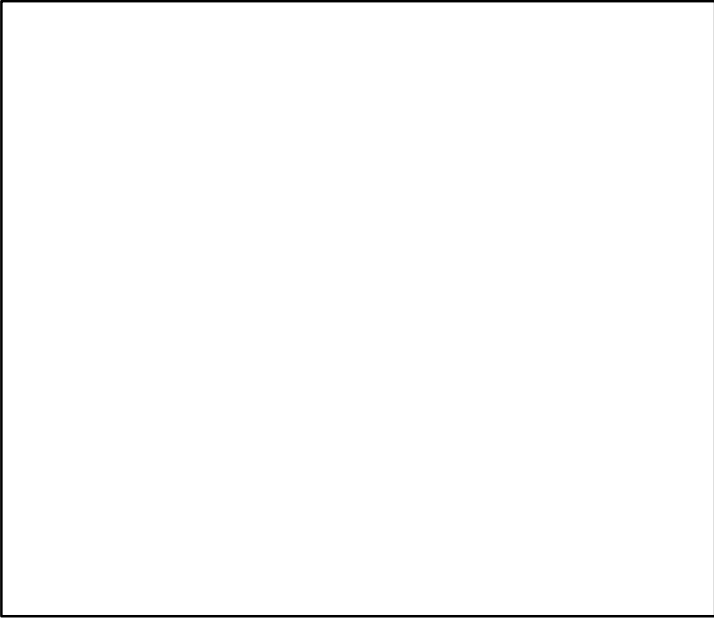
Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA10-2011-2011-OSIO
Area	South Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011

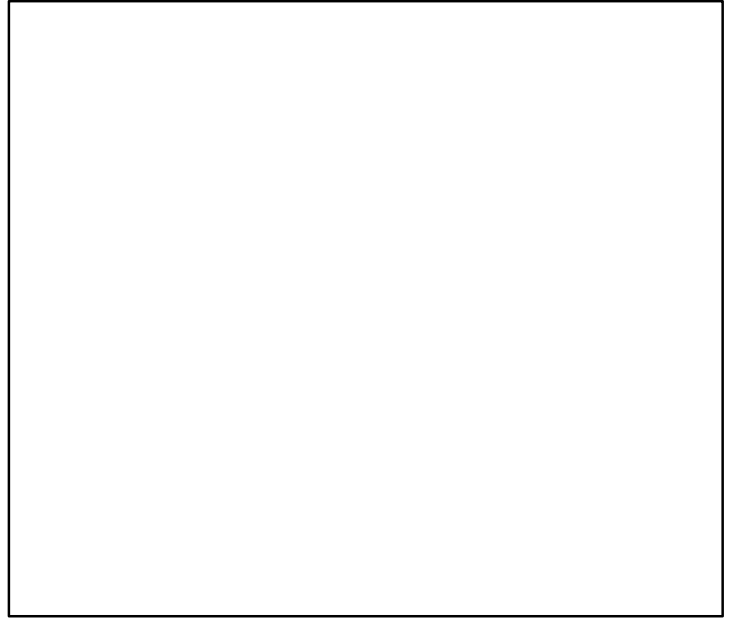
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.41
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	1.08	-	-
ER	-	-	-	-	-
TC	TC-MT	2011	387		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	2.634		
ER/ERmgt	-	-	-		

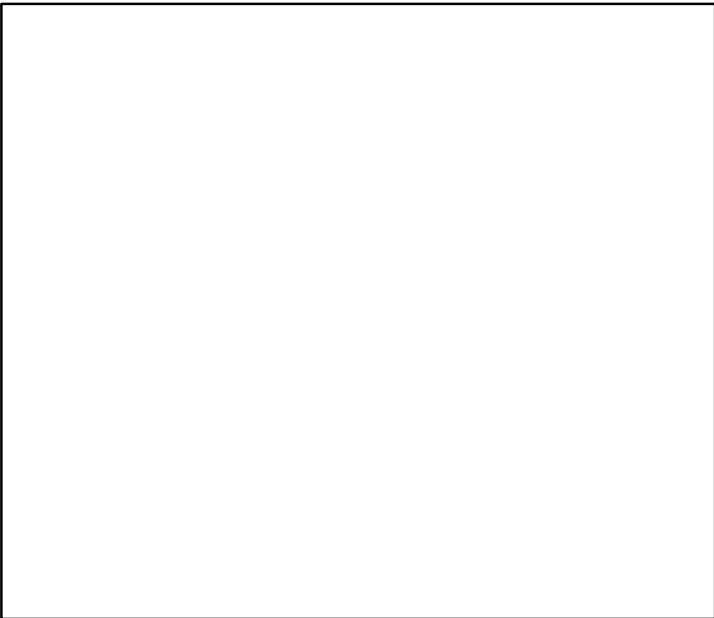
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

TB*



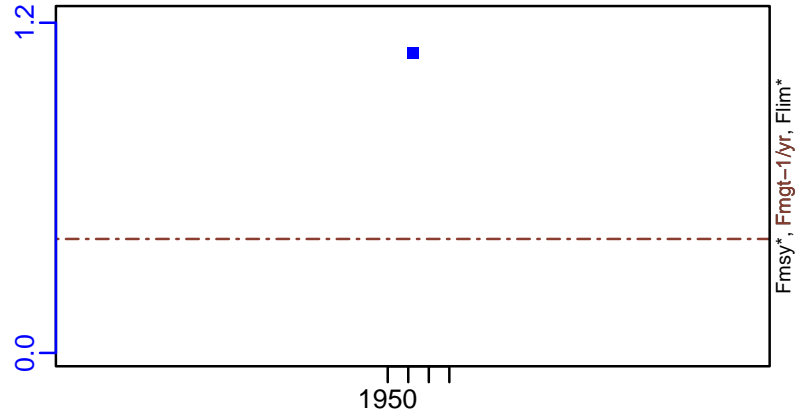
SSB*



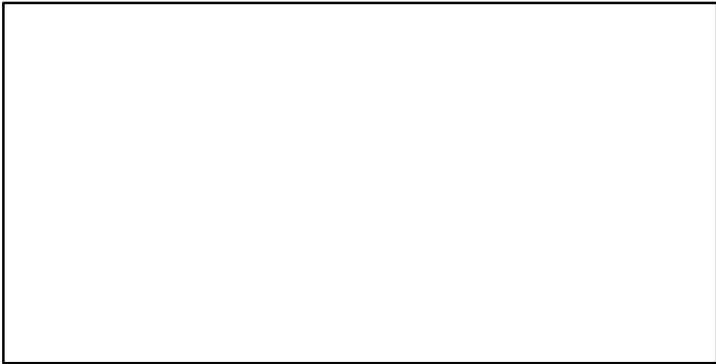
TN *



F-1/yr (2011-2011-OSIO)



ER*



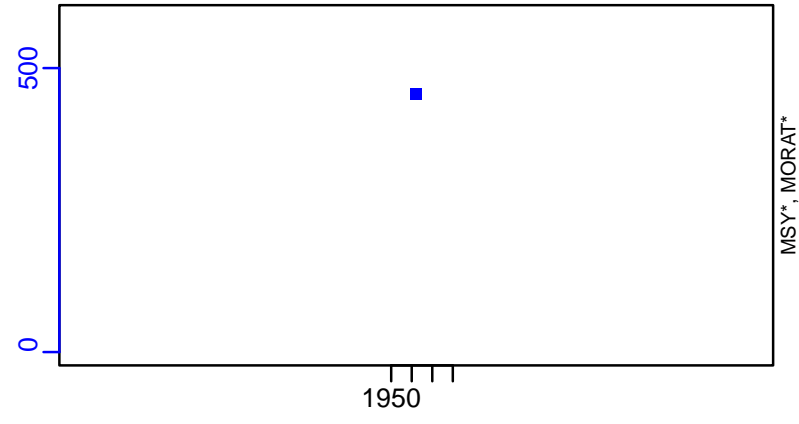
Recruits*



Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

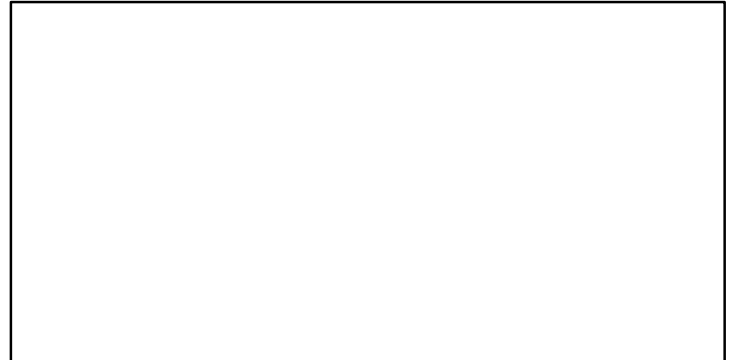
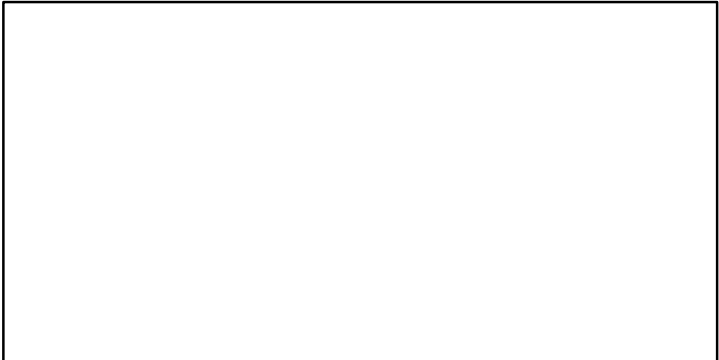
TC-MT, TL*, RecC* (2011-2011-OSIO)

TAC*, Cpair*, Cadv*



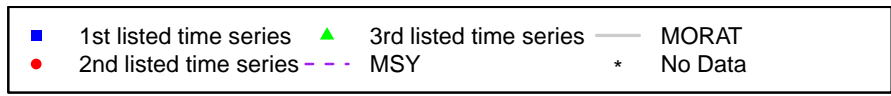
survB*

CPUE*



EFFORT*

CdivMSY*



Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

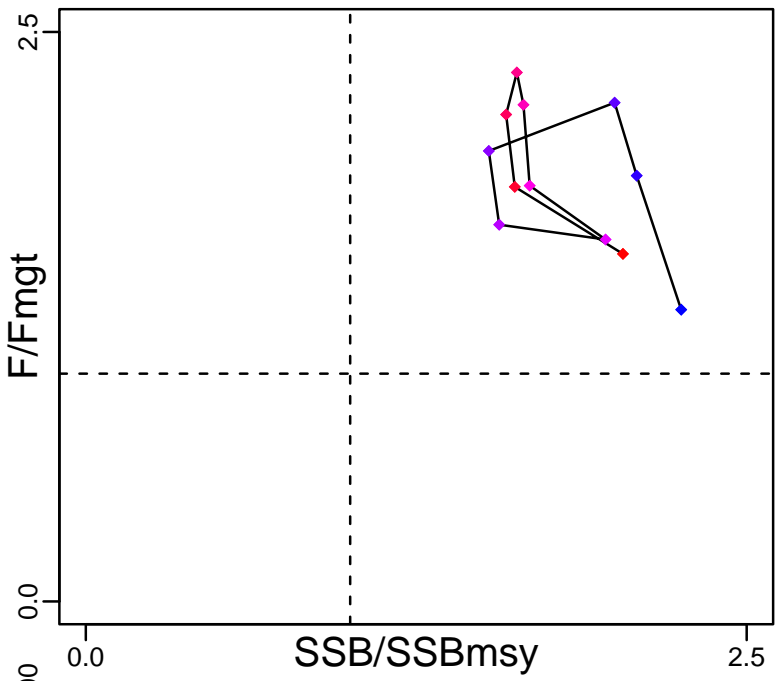
Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA17-18-2008-2019-MEDIMP2021-2
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2019

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2019	0.449
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

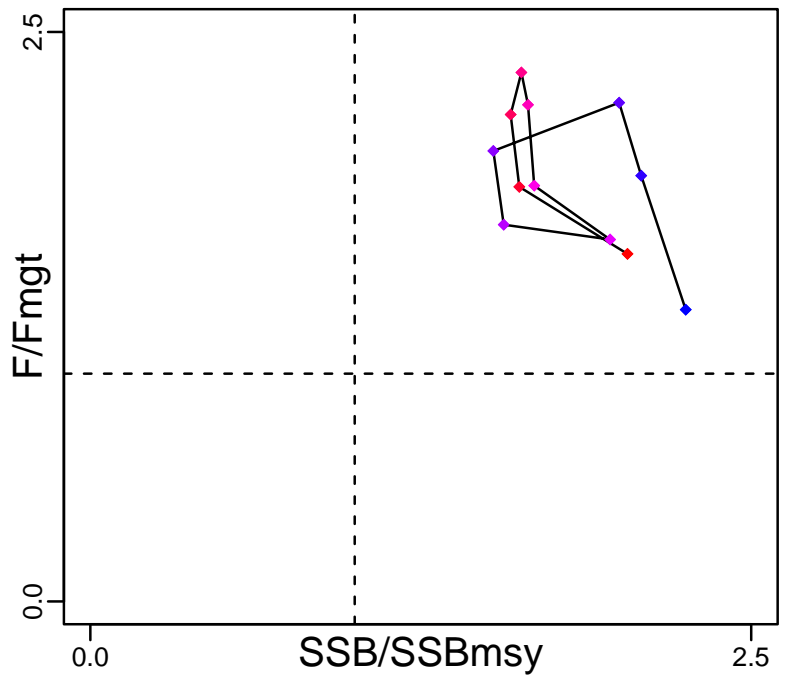
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2019	14,193	-	-
TN	-	-	-	-	-
R	R-E00	2019	2,901,990,201	-	-
F	F-1/yr	2019	0.686	-	-
ER	-	-	-	-	-
TC	TC-MT	2019	4372		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2019	1.526		
ER/ERmgt	-	-	-		

Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

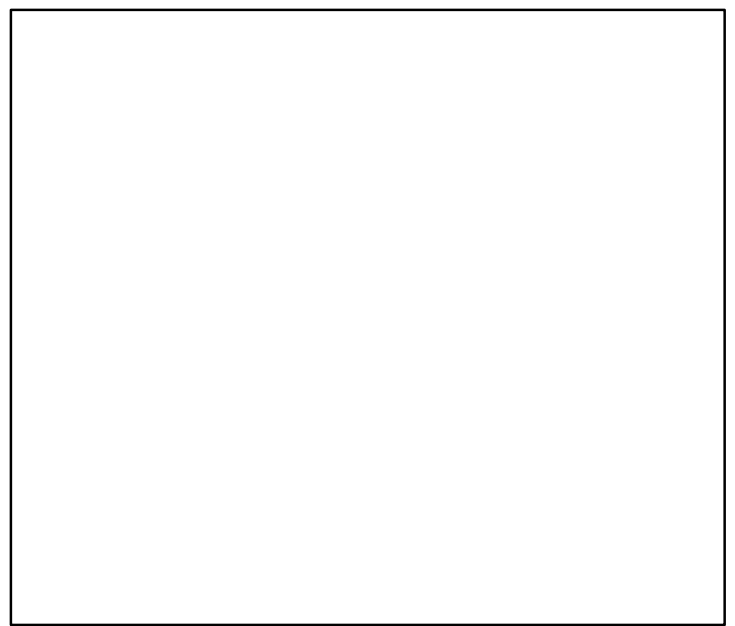
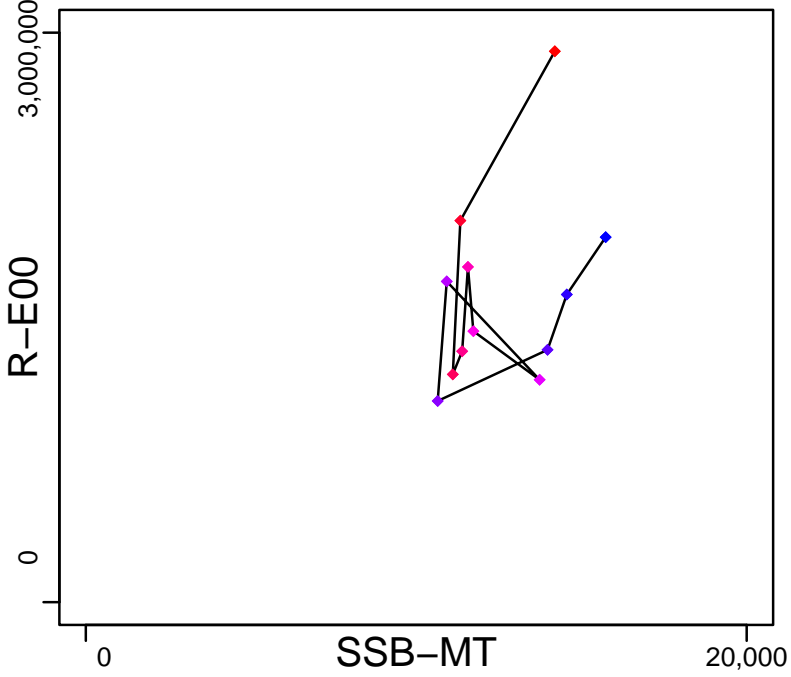
Kobe MSYpref (2008-2019-MEDIMP2021-2)



Kobe MGTpref (2008-2019-MEDIMP2021-2)



Spawner Recruit (2008-2019-MEDIMP2021-2)



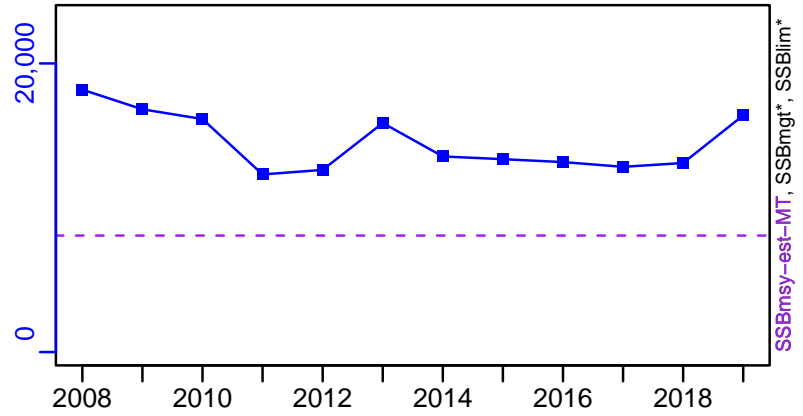
◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMHRMPMEDGSA17-18]

TB*



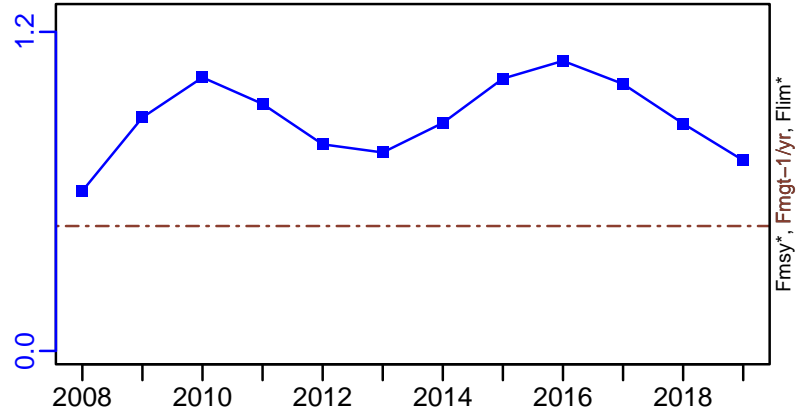
SSB-MT (2008-2019-MEDIMP2021-2)



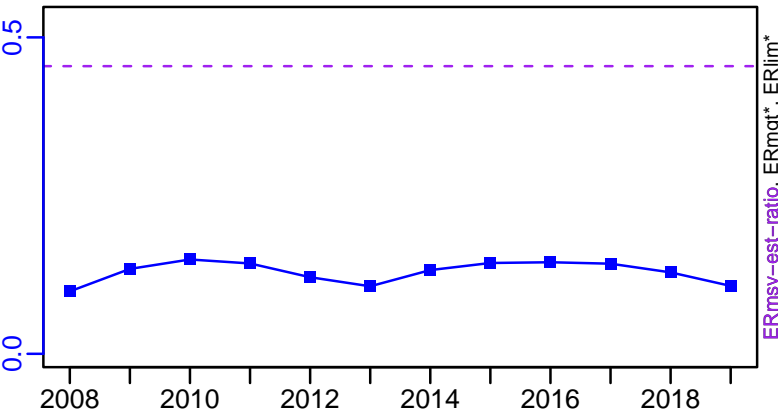
TN *



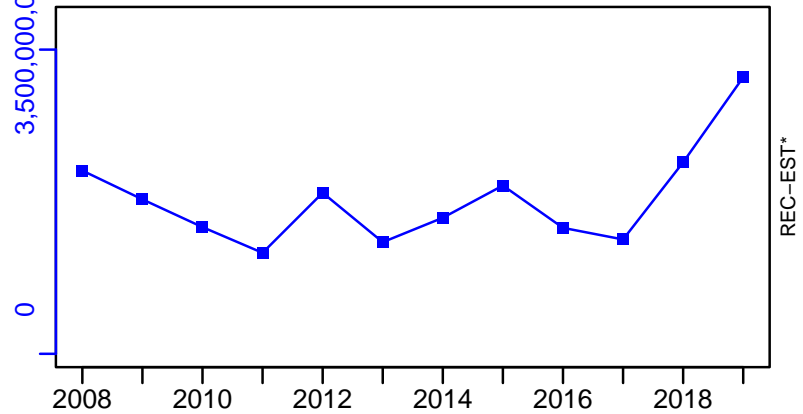
F-1/yr (2008-2019-MEDIMP2021-2)



ER-calc-ratio (2008-2019-MEDIMP2021-2)



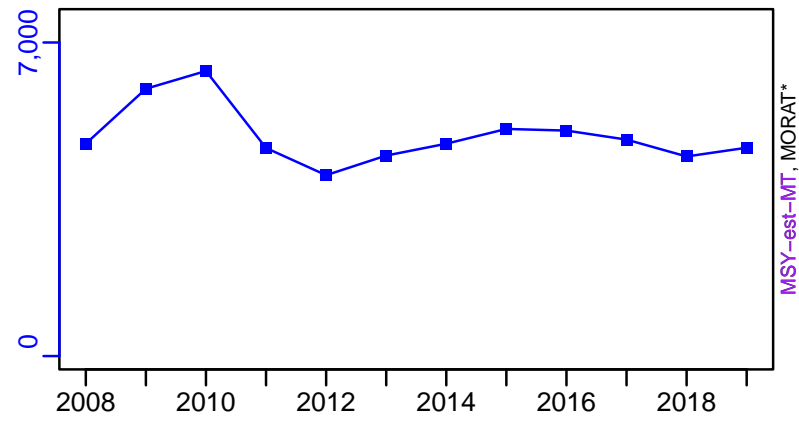
R-E00 (2008-2019-MEDIMP2021-2)



Spottail mantis shrimp Adriatic Sea (GSA 17,18) [SMSHRMPMEDGSA17-18]

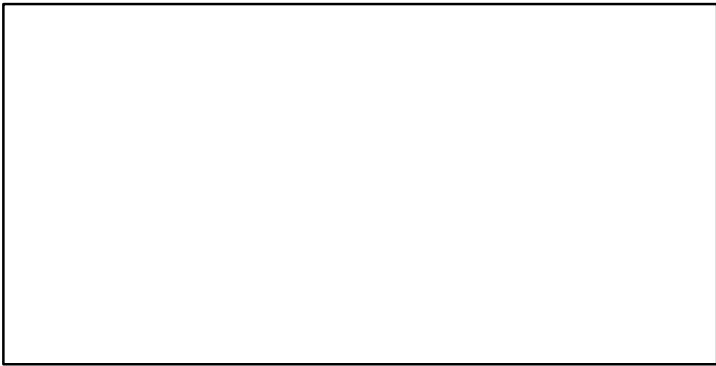
TC-MT, TL*, RecC* (2008-2019-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



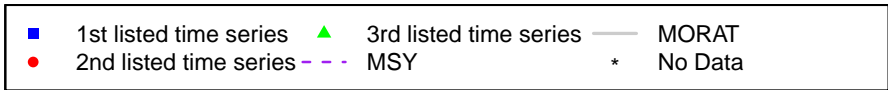
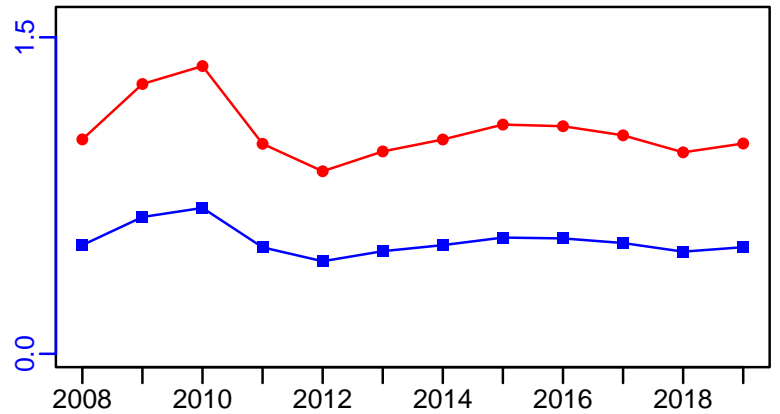
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2008-2019-MEDIMP2021-2)



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA9-2004-2010-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.54
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2010	430	-	-
TN	-	-	-	-	-
R	R-E00	2010	4.5×10^7	-	-
F	F-1/yr	2010	1.2	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	386		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	2.222		
ER/ERmgt	-	-	-		

Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

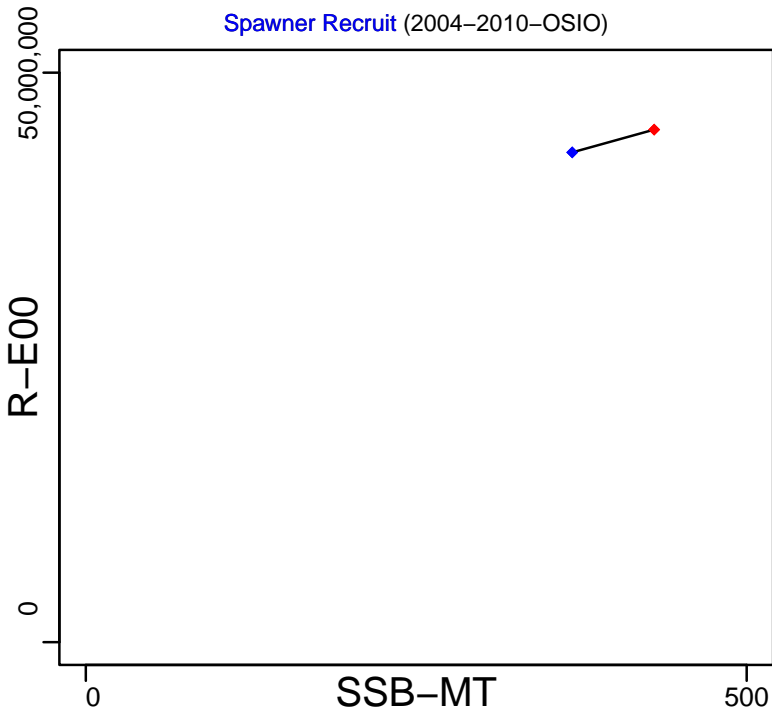
Kobe MSY*



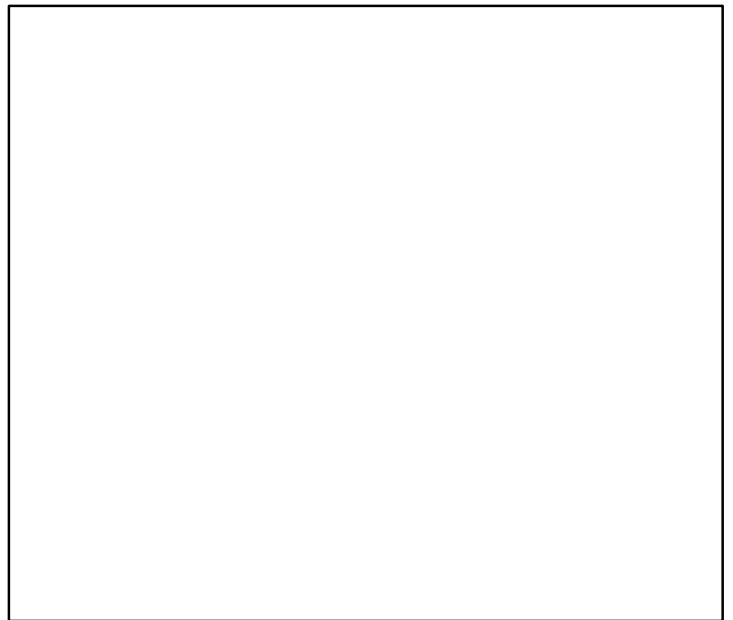
Kobe MGT*



Spawner Recruit (2004–2010–OSIO)



Production*



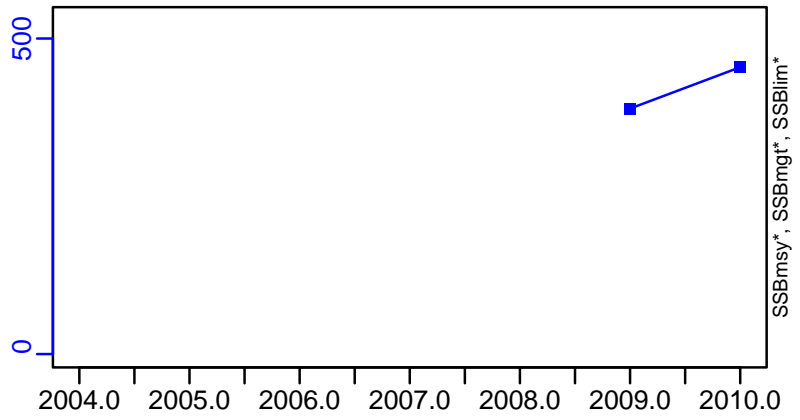
◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMHRMPMEDGSA9]

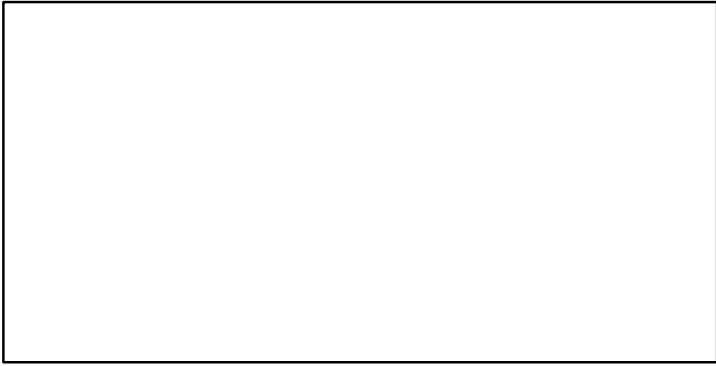
TB*



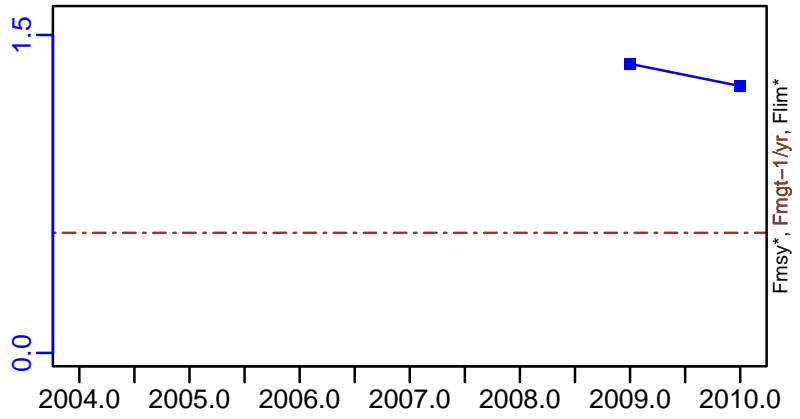
SSB-MT (2004-2010-OSIO)



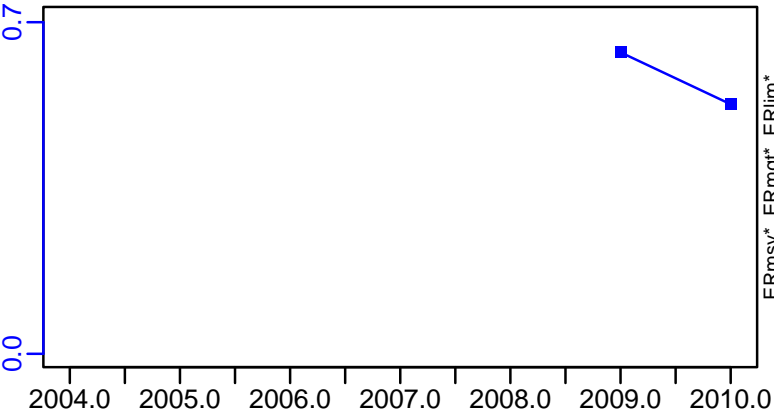
TN *



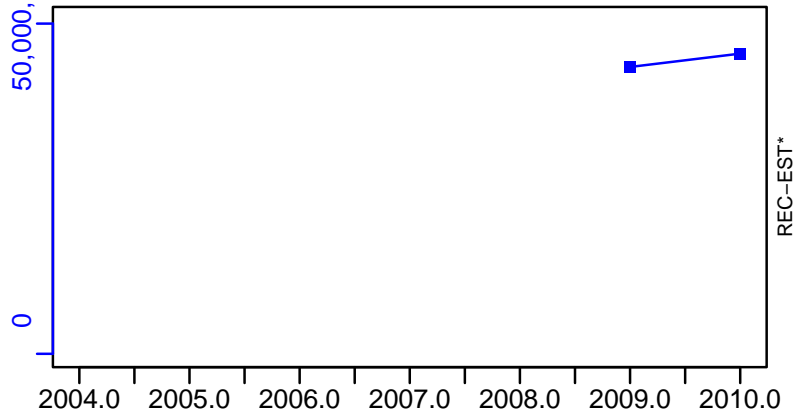
F-1/yr (2004-2010-OSIO)



ER-calc-ratio (2004-2010-OSIO)



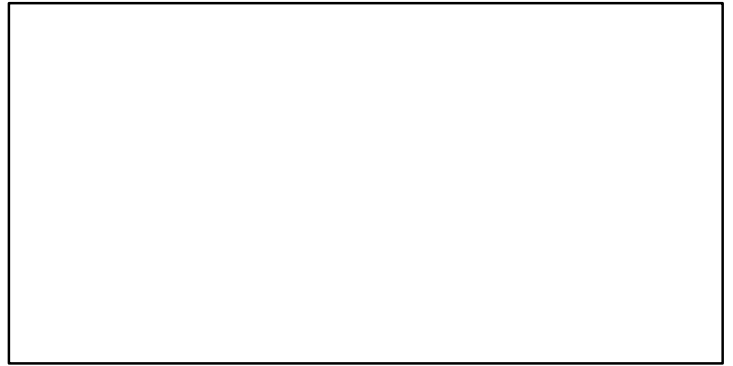
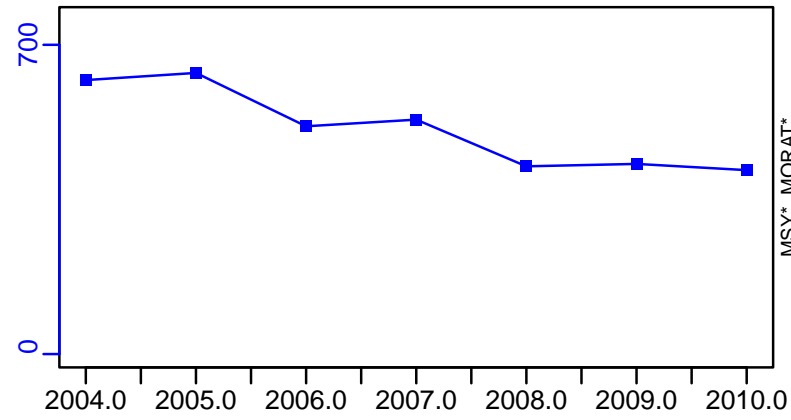
R-E00 (2004-2010-OSIO)



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

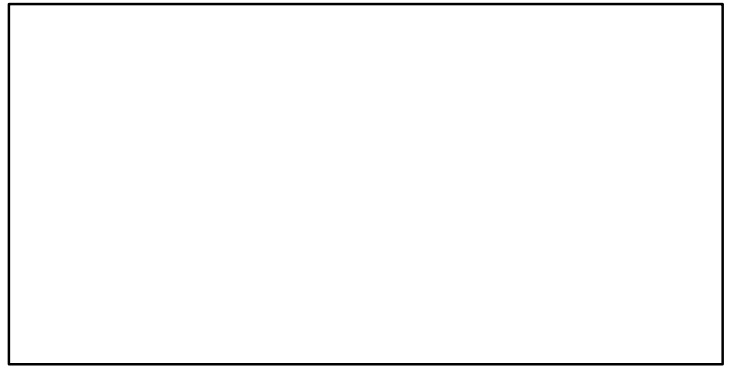
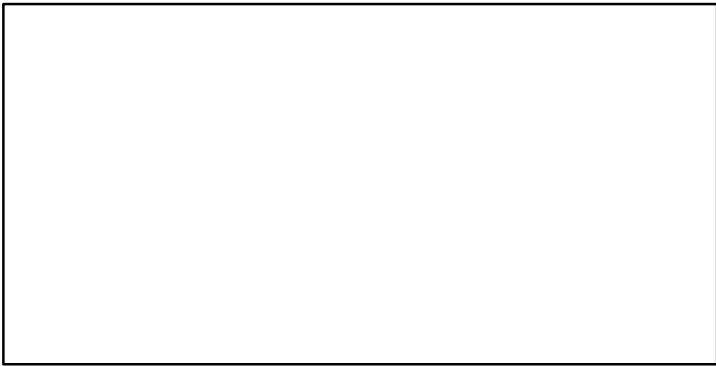
TC-MT, TL*, RecC* (2004-2010-OSIO)

TAC*, Cpair*, Cadv*



survB*

CPUE*



EFFORT*

CdivMSY*



Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

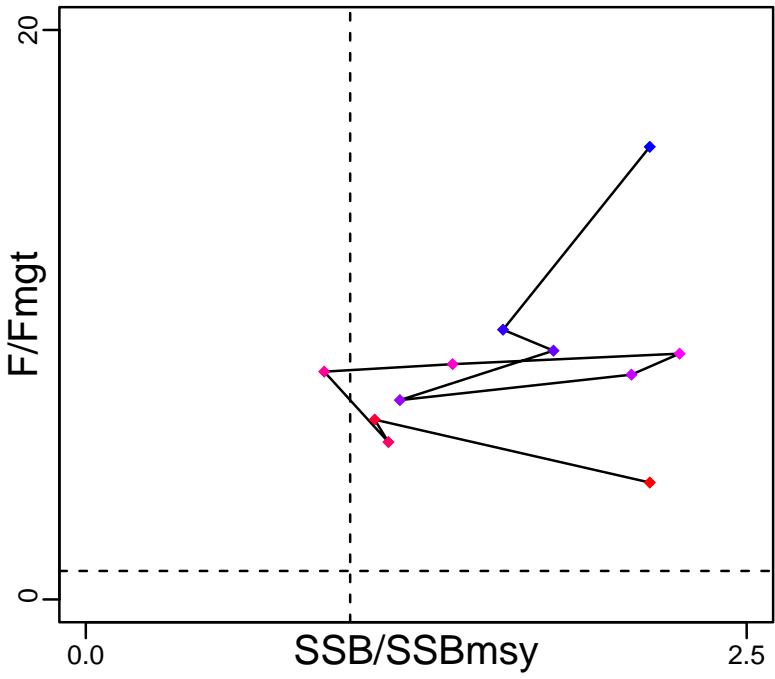
Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	STECF-SMULLMEDGSA15-16-2002-2012-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

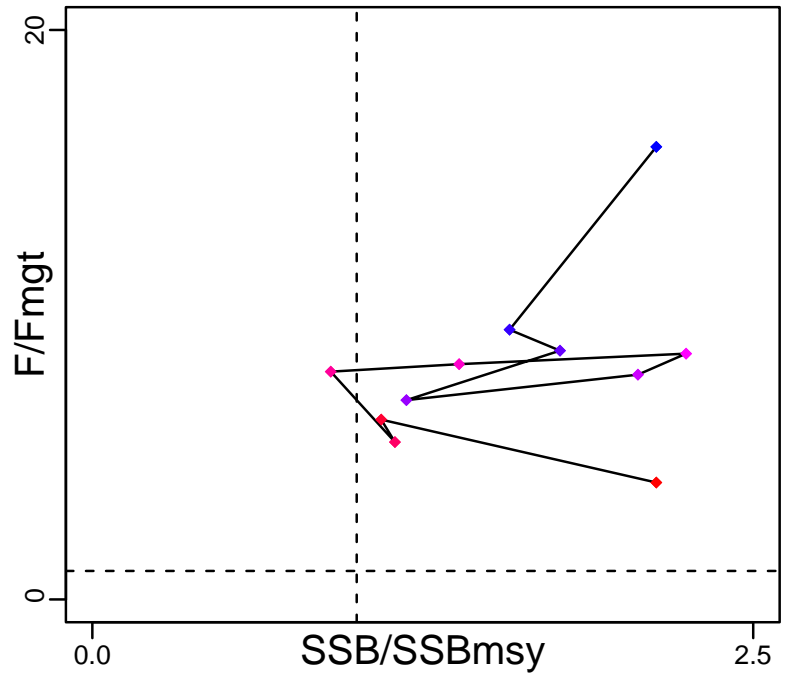
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	2460	-	2+
TN	-	-	-	-	-
R	R-E00	2012	4.2×10^7	-	-
F	F-1/yr	2012	0.78	-	-
ER	-	-	-	-	-
TC	TC-MT	2012	753		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	4.105		
ER/ERmgt	-	-	-		

Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

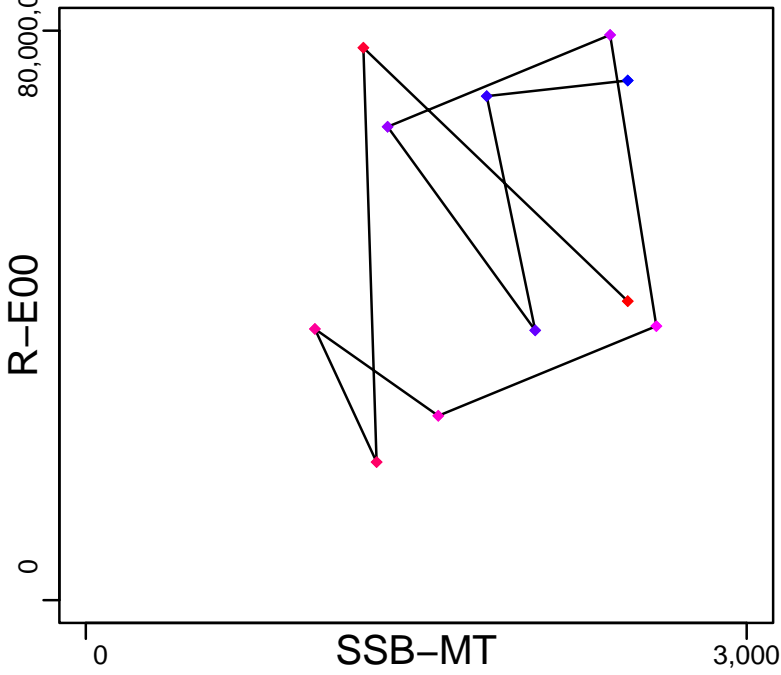
Kobe MSYpref (2002-2012-OSIO)



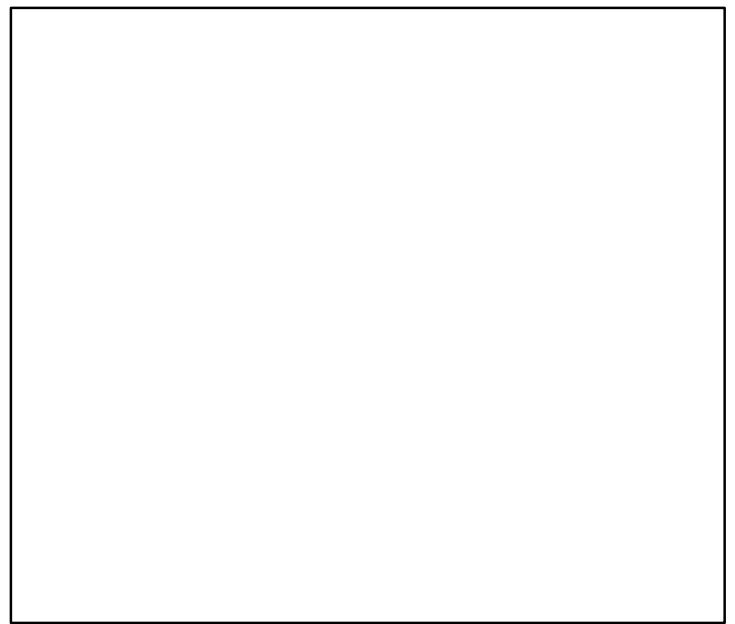
Kobe MGTpref (2002-2012-OSIO)



Spawner Recruit (2002-2012-OSIO)



Production*



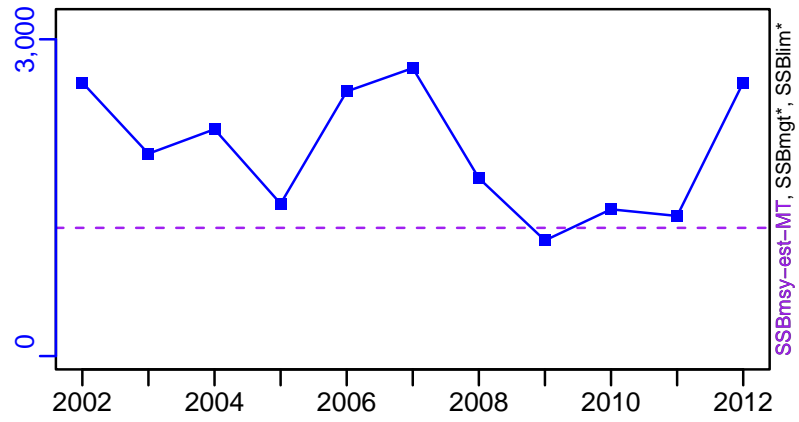
◆ Start Year ◆ End Year * No Data

Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

TB*



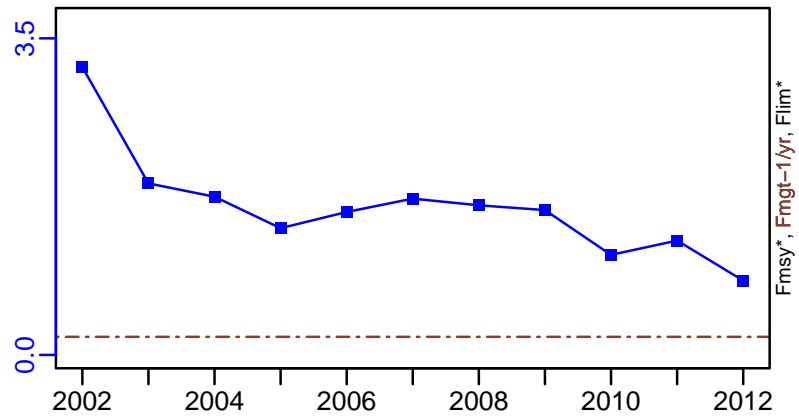
SSB-MT (2002-2012-OSIO)



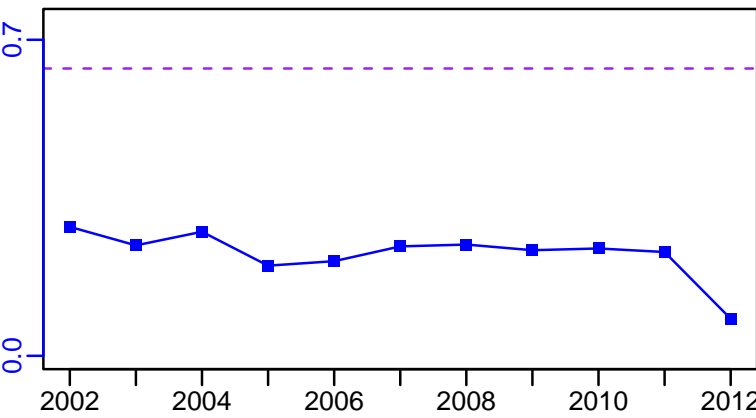
TN *



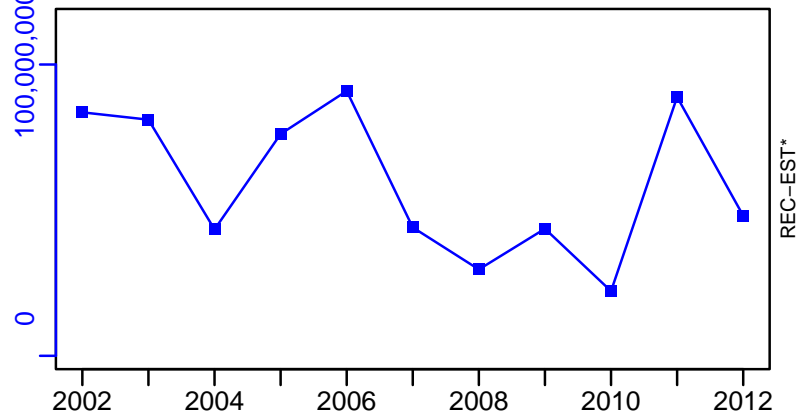
F-1/yr (2002-2012-OSIO)



ER-calc-ratio (2002-2012-OSIO)



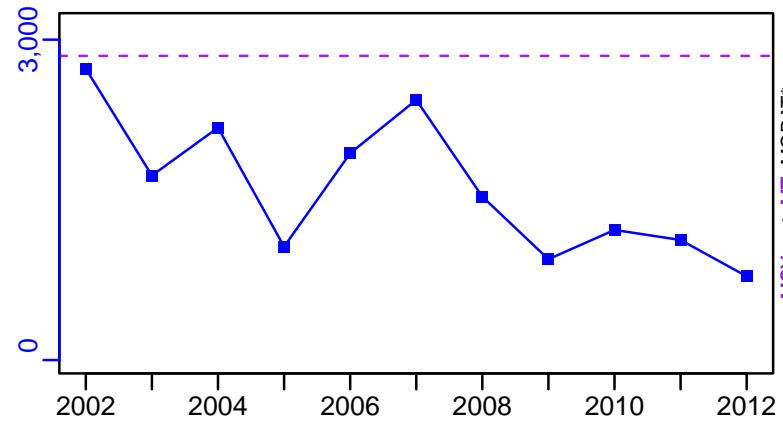
R-E00 (2002-2012-OSIO)



Surmullet Malta Island and South of Sicily (GSA 15, 16) [SMULLMEDGSA15-16]

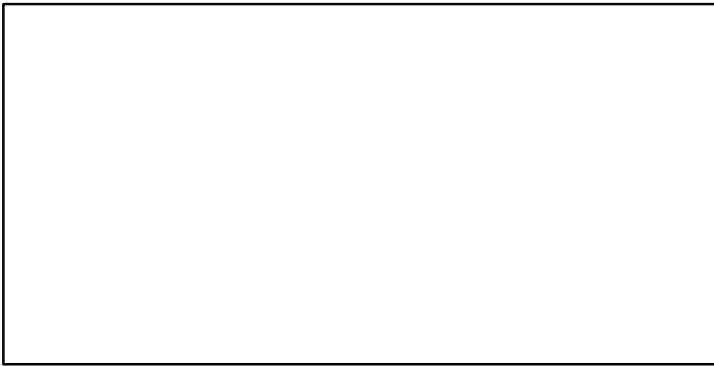
TC-MT, TL*, RecC* (2002-2012-OSIO)

TAC*, Cpair*, Cadv*



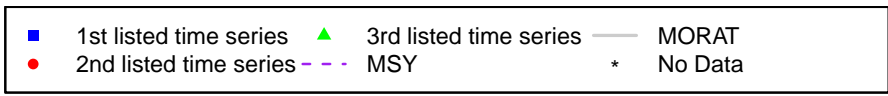
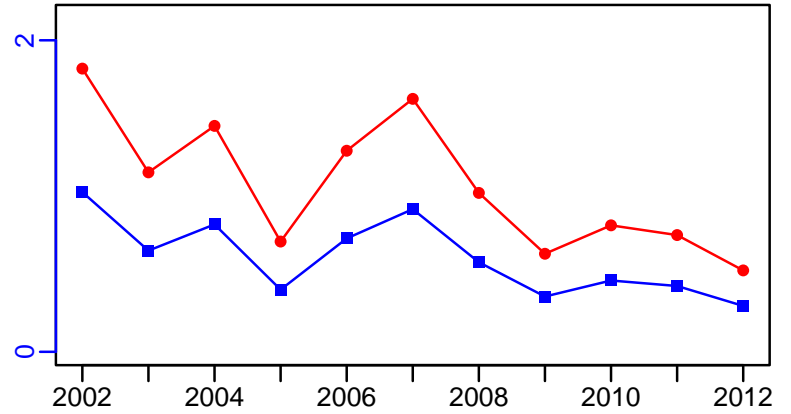
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2002-2012-OSIO)



Surmullet Balearic Island [SMULLMEDGSA5]

Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	WGSAD-SMULLMEDGSA5-2000-2021-HIVELY
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Working Group on Stock Assessment of Demersal Species
Asmts in RAM	2012, 2019, 2021

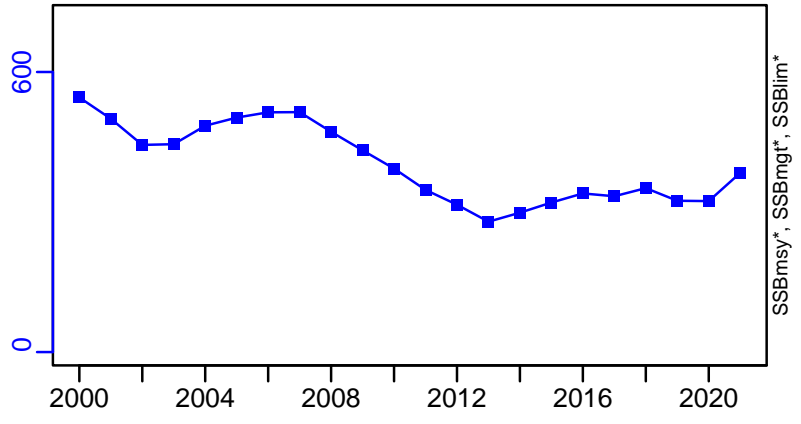
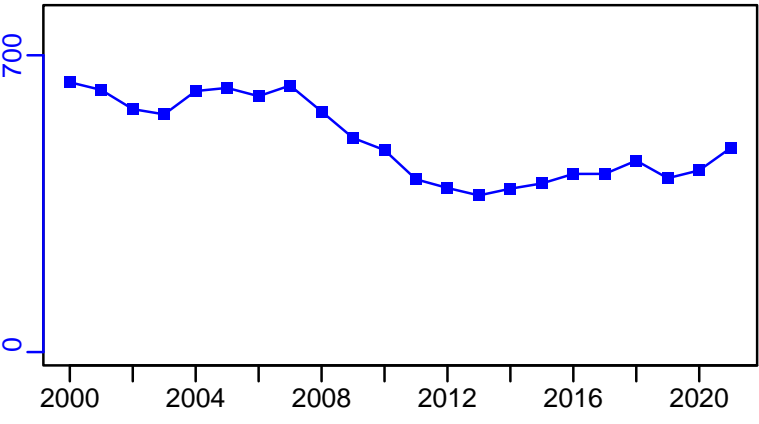
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.243
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2021	428	-	-
SSB	SSB-MT	2021	322	-	-
TN	-	-	-	-	-
R	R-E00	2021	6,630,300	-	-
F	F-1/yr	2021	0.5	-	-
ER	ER-calc-ratio	2021	0.191	-	-
TC	TC-MT	2021	82		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	2.056		
ER/ERmgt	-	-	-		

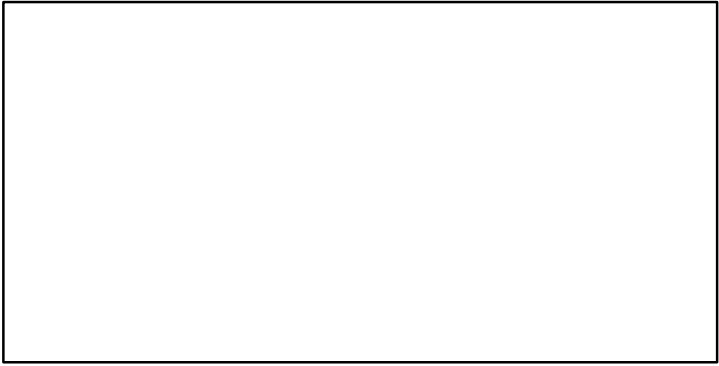
Surmullet Balearic Island [SMULLMEDGSA5]

TB-MT (2000-2021-HIVELY)

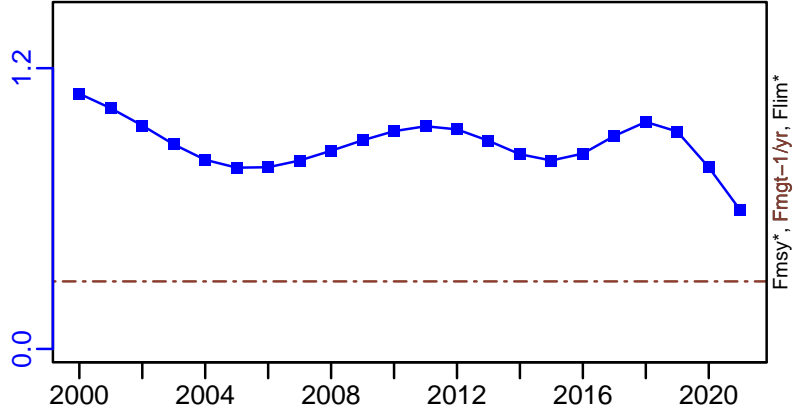
SSB-MT (2000-2021-HIVELY)



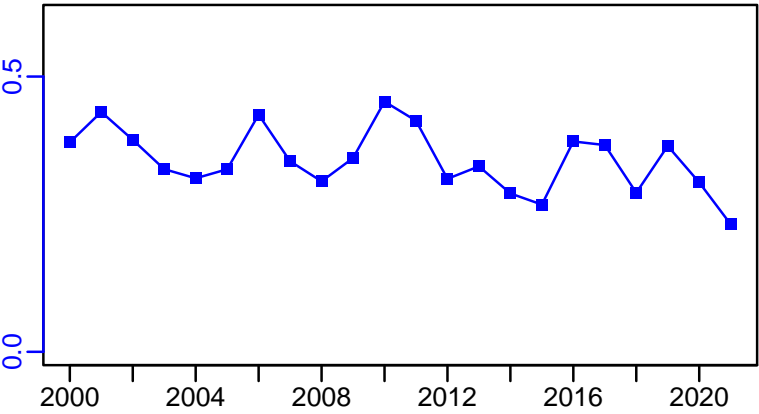
TN *



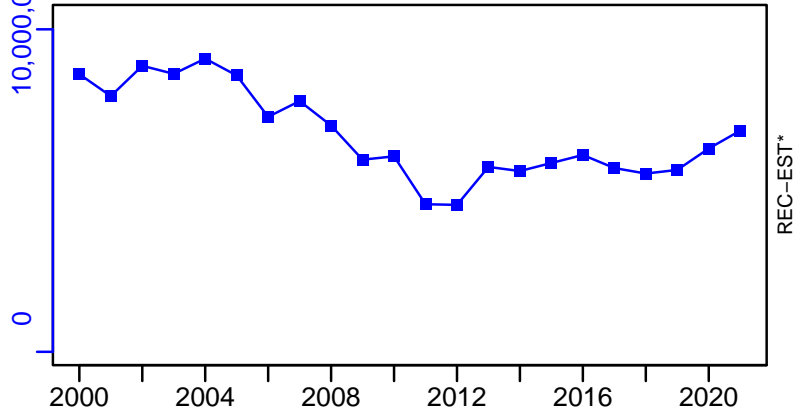
F-1/yr (2000-2021-HIVELY)



ER-calc-ratio (2000-2021-HIVELY)



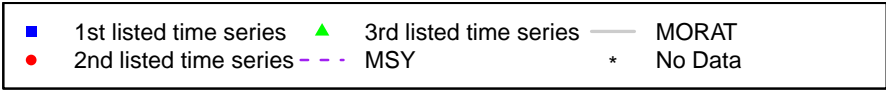
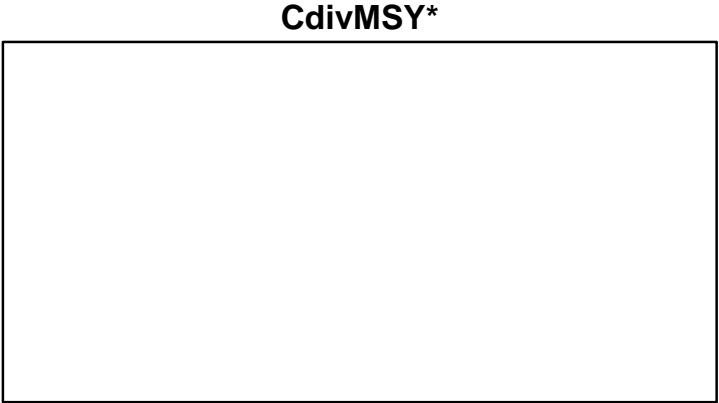
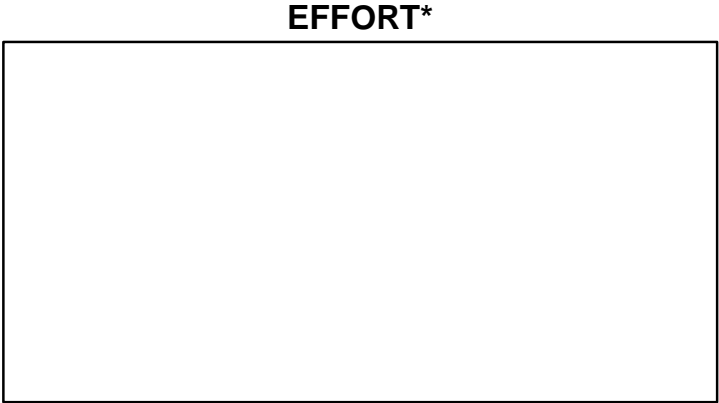
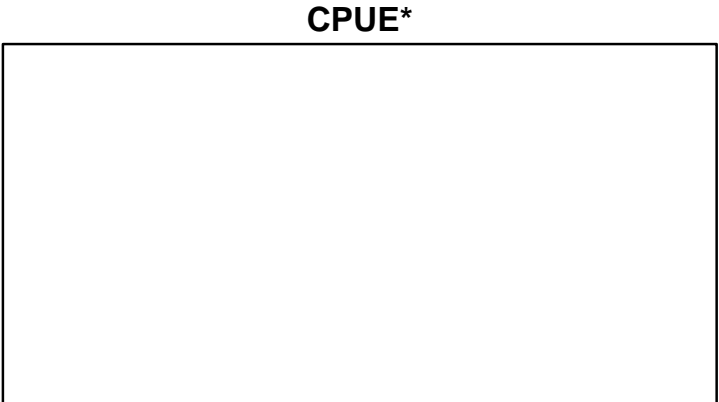
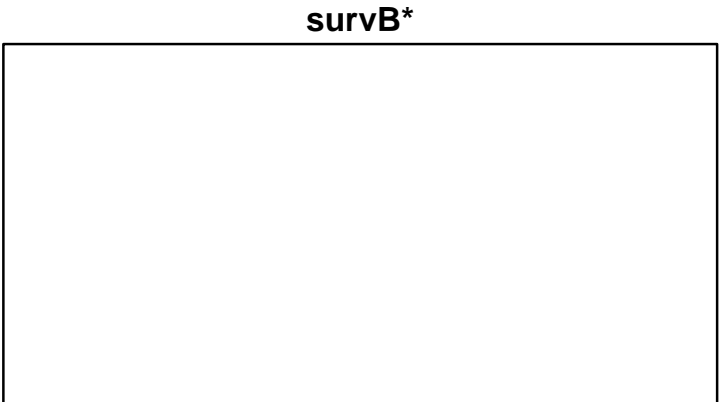
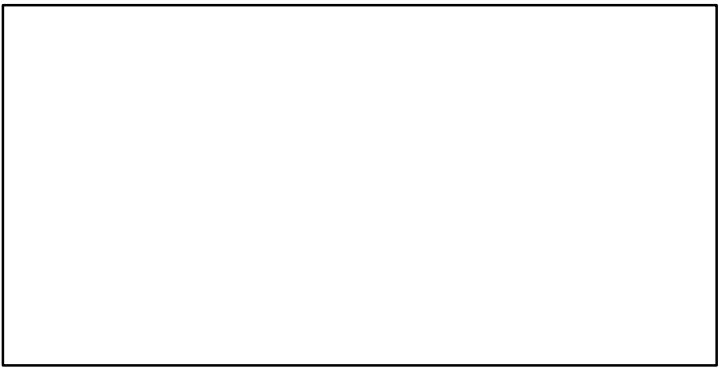
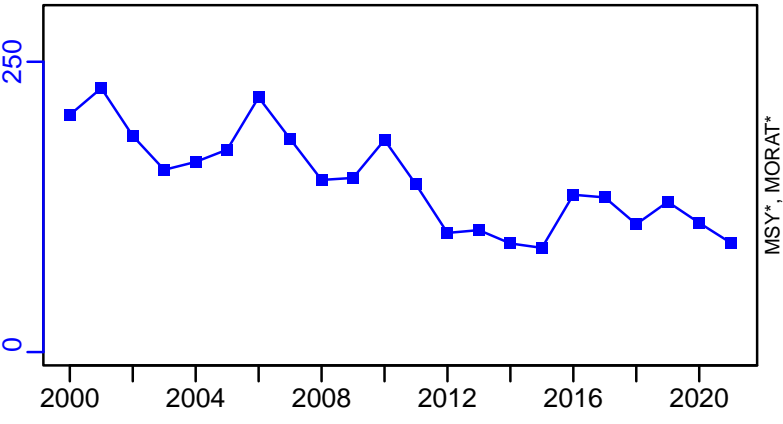
R-E00 (2000-2021-HIVELY)



Surmullet Balearic Island [SMULLMEDGSA5]

TC-MT, TL*, RecC* (2000-2021-HIVELY)

TAC*, Cpair*, Cadv*



Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

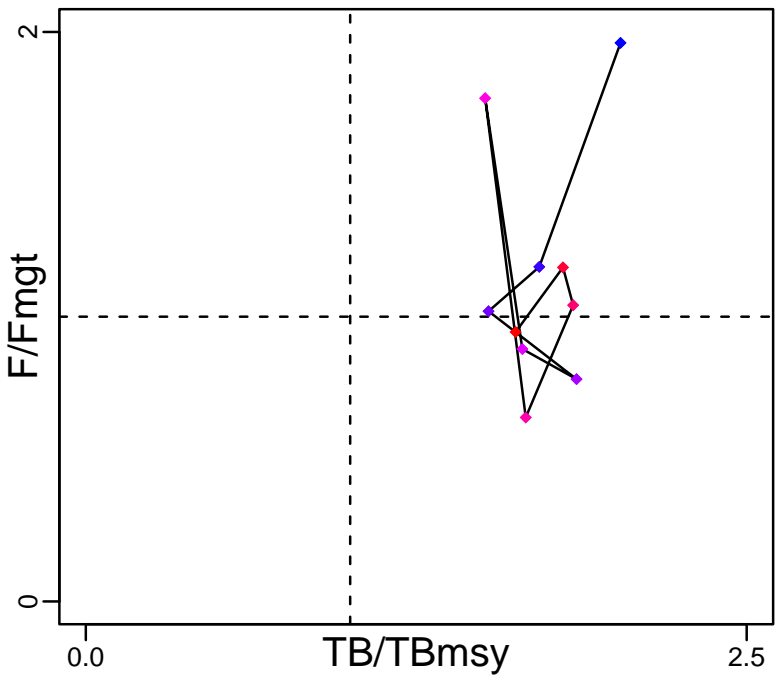
Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	STECF-SMULLMEDGSA9-2006-2015-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.52
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

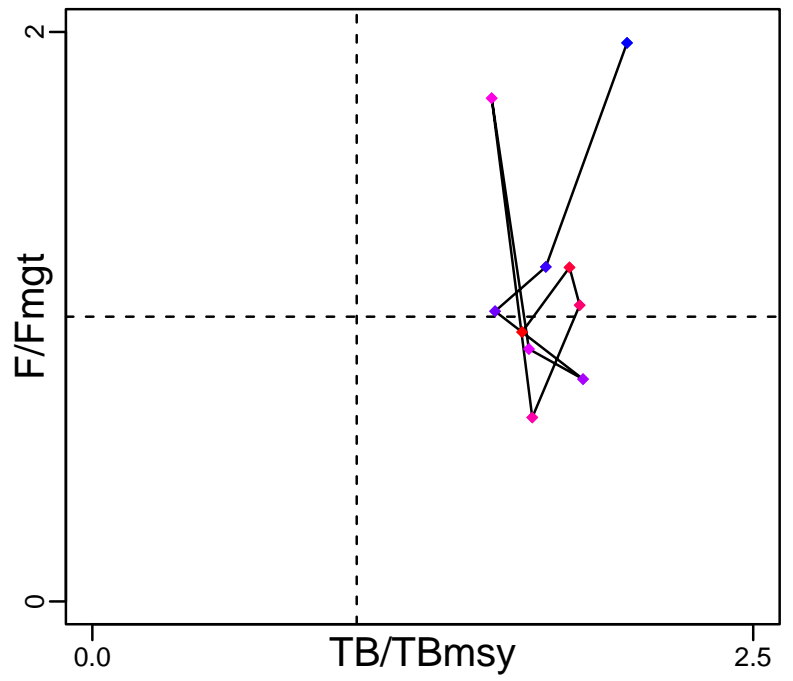
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1270	-	-
SSB	SSB-MT	2015	463	Both	-
TN	-	-	-	-	-
R	R-E00	2015	16,600,000	-	-
F	F-1/yr	2015	0.492	-	-
ER	ER-calc-ratio	2015	0.205	-	-
TC	TC-MT	2015	260		
TL	TL-MT	2015	260		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.946		
ER/ERmgt	-	-	-		

Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

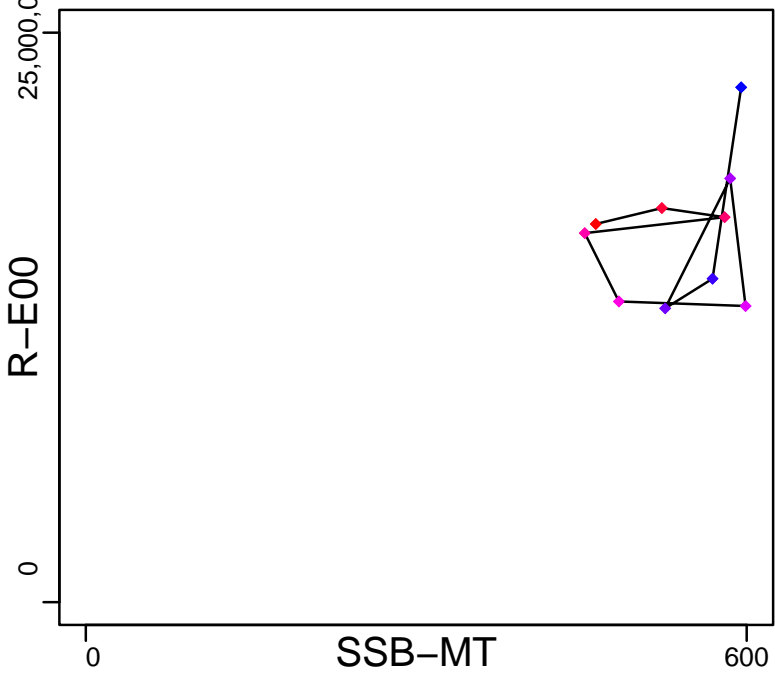
Kobe MSYpref (2006–2015–OSIO)



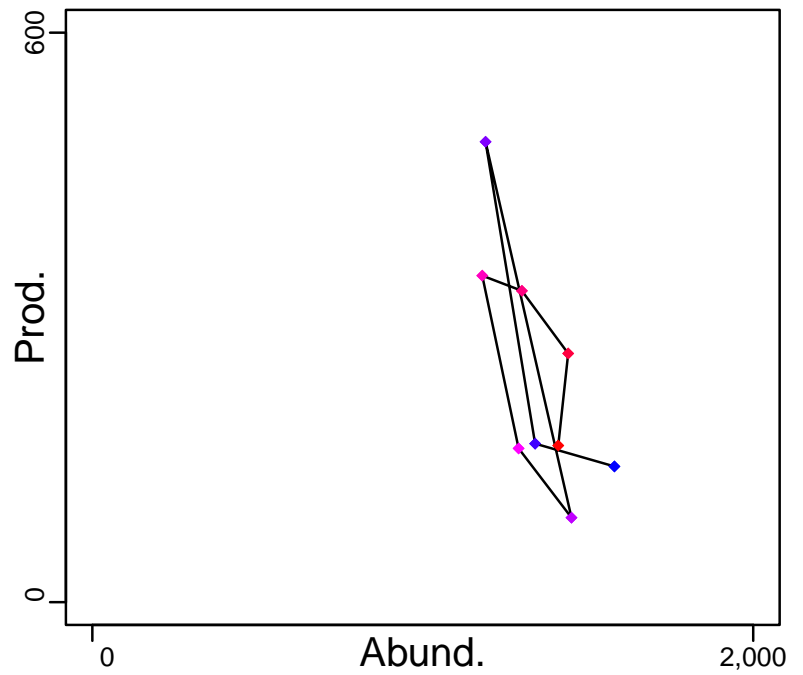
Kobe MGTpref (2006–2015–OSIO)



Spawner Recruit (2006–2015–OSIO)



Production (2006–2015–OSIO)

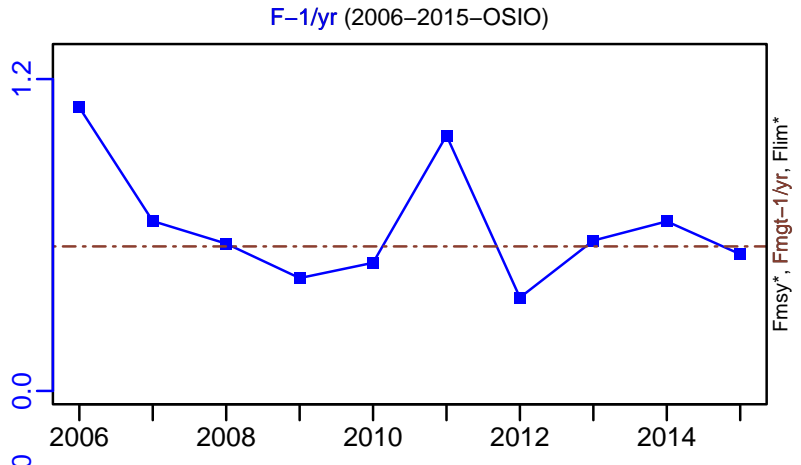
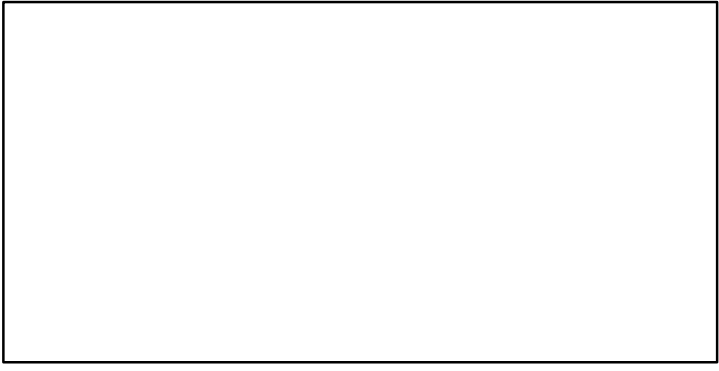
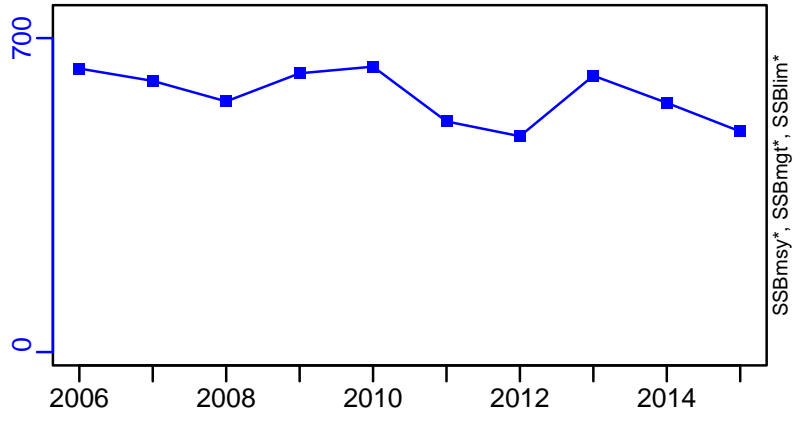
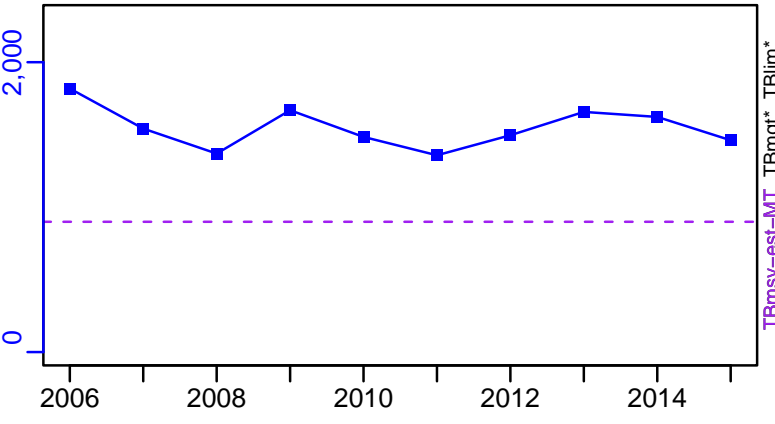


◆ Start Year ◆ End Year * No Data

Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

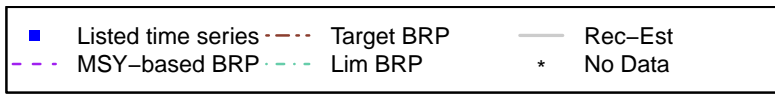
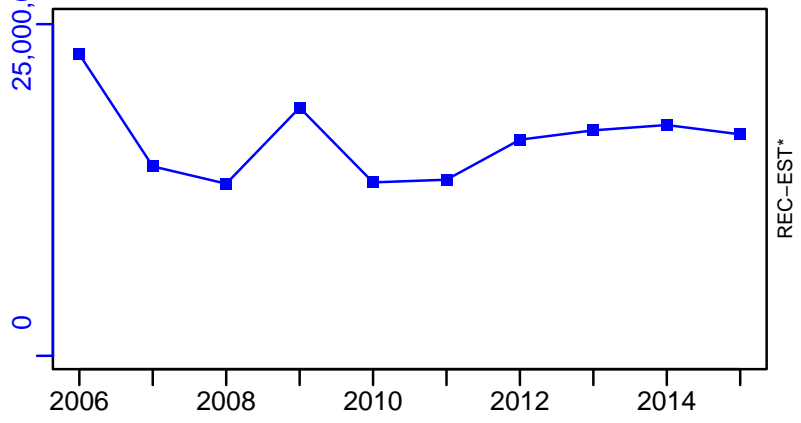
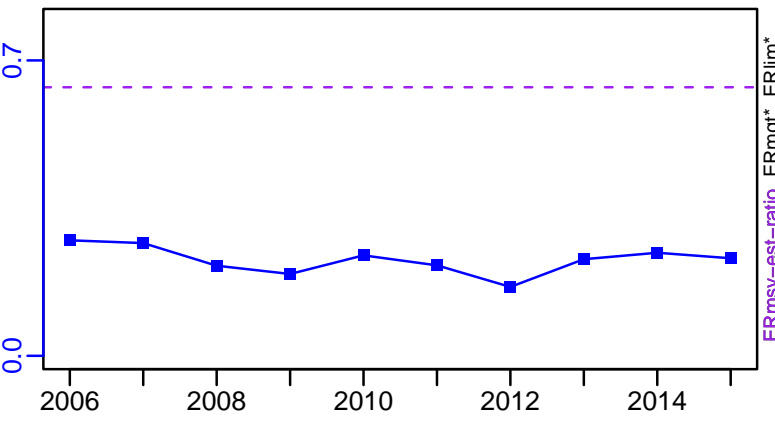
TB-MT (2006-2015-OSIO)

SSB-MT (2006-2015-OSIO)



ER-calc-ratio (2006-2015-OSIO)

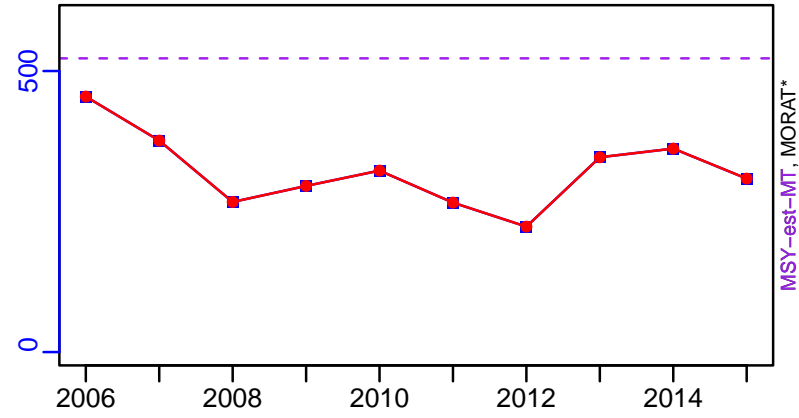
R-E00 (2006-2015-OSIO)



Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

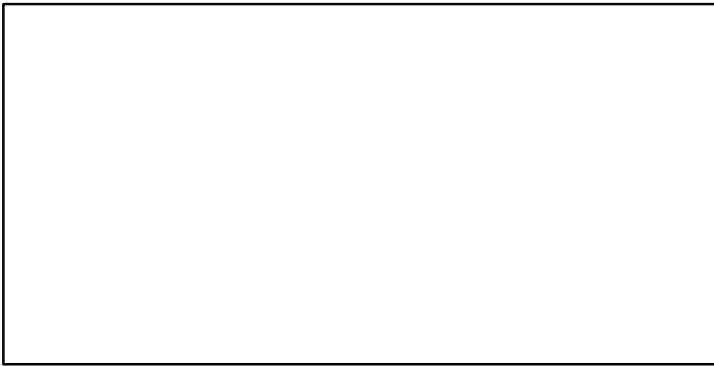
TC-MT, TL-MT, RecC* (2006-2015-OSIO)

TAC*, Cpair*, Cadv*



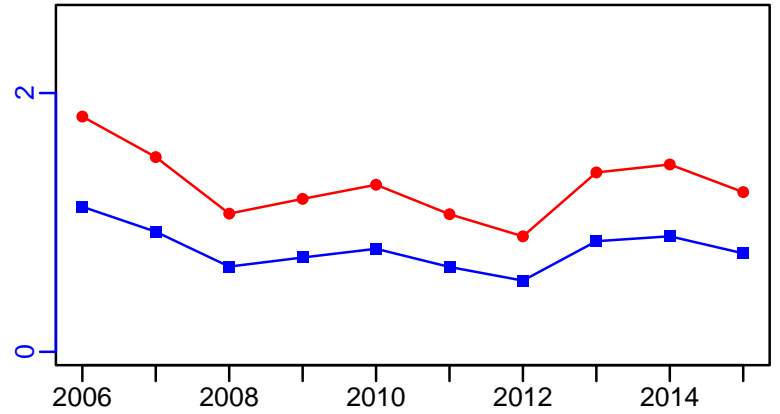
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (2006-2015-OSIO)



Common sole Northern Adriatic Sea [SOLMEDGSA17]

Metadata	
Scientific Name	Solea solea
Current Assess ID	STECF-SOLMEDGSA17-2006-2018-MEDIMP2021-2
Area	Northern Adriatic Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2014, 2018

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2018	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.35
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2018	2859	-	-
TN	-	-	-	-	-
R	R-E00	2018	91,628,000	-	-
F	F-1/yr	2018	0.68	-	-
ER	-	-	-	-	-
TC	TC-MT	2018	1849		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2018	2.957		
ER/ERmgt	-	-	-		

Common sole Northern Adriatic Sea [SOLMEDGSA17]

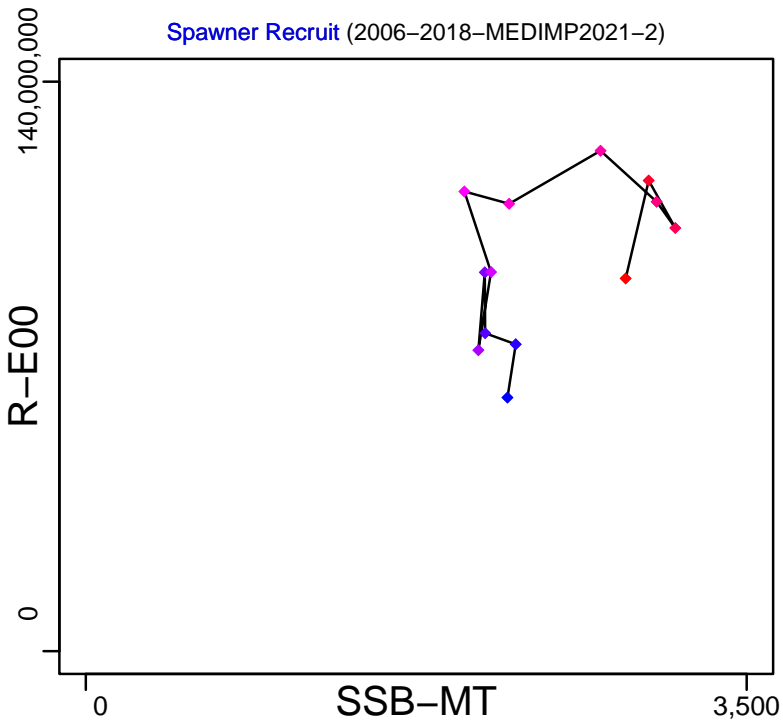
Kobe MSY*



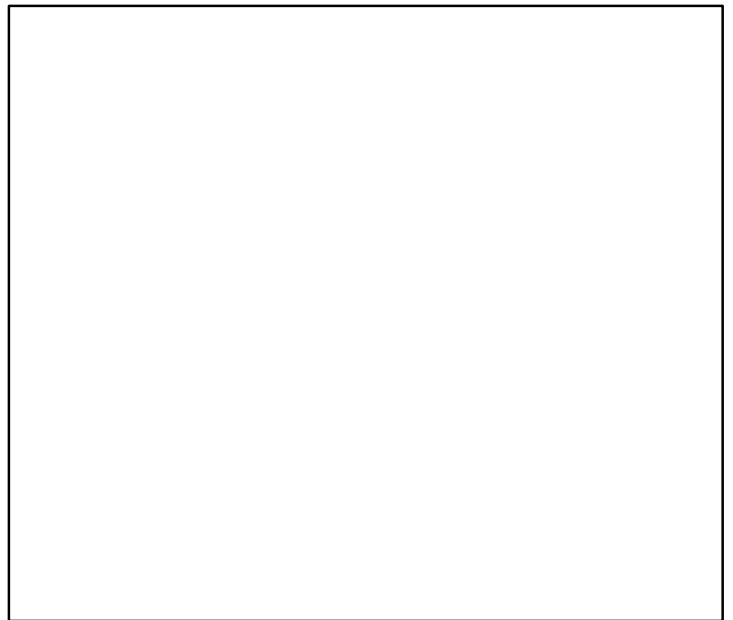
Kobe MGT*



Spawner Recruit (2006–2018–MEDIMP2021–2)



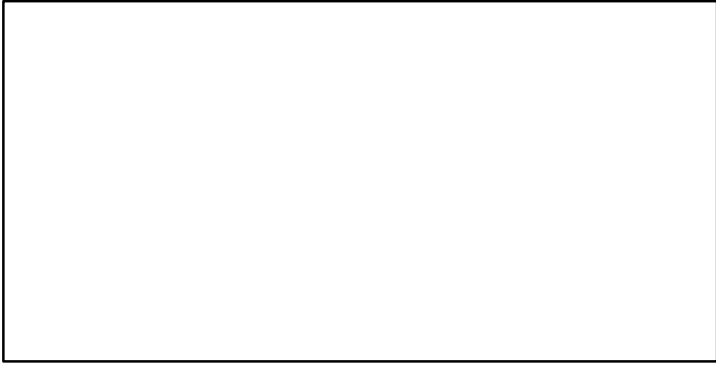
Production*



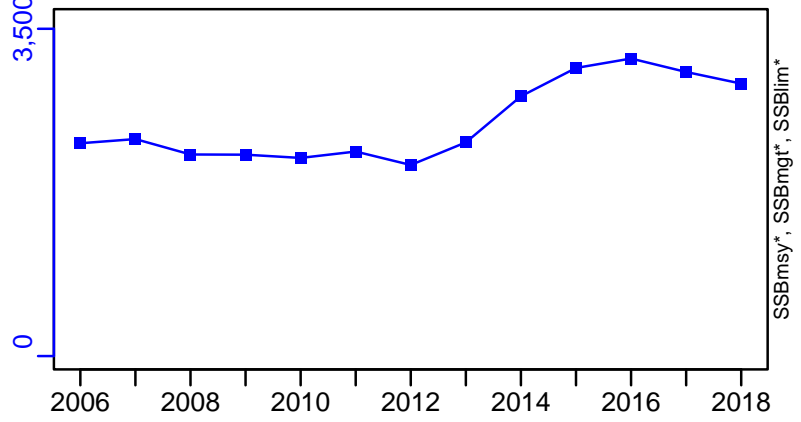
◆ Start Year ◆ End Year * No Data

Common sole Northern Adriatic Sea [SOLMEDGSA17]

TB*



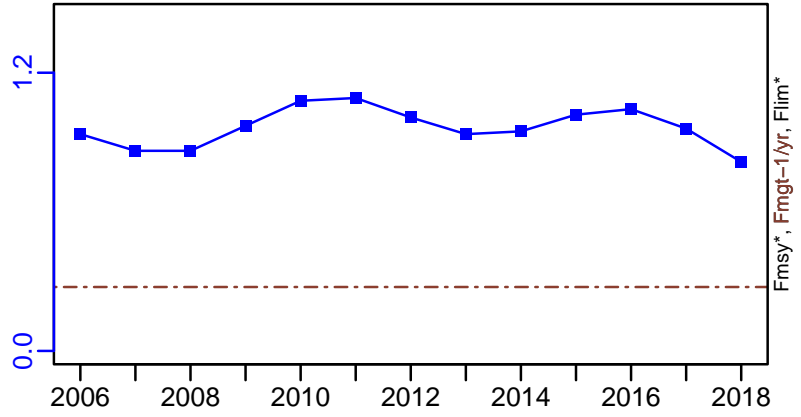
SSB-MT (2006-2018-MEDIMP2021-2)



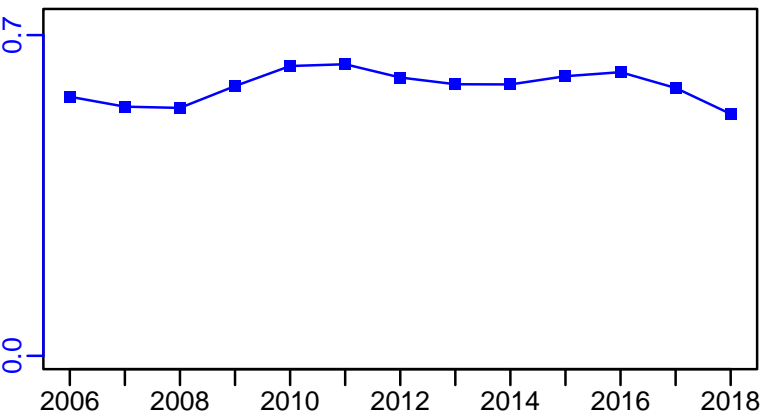
TN *



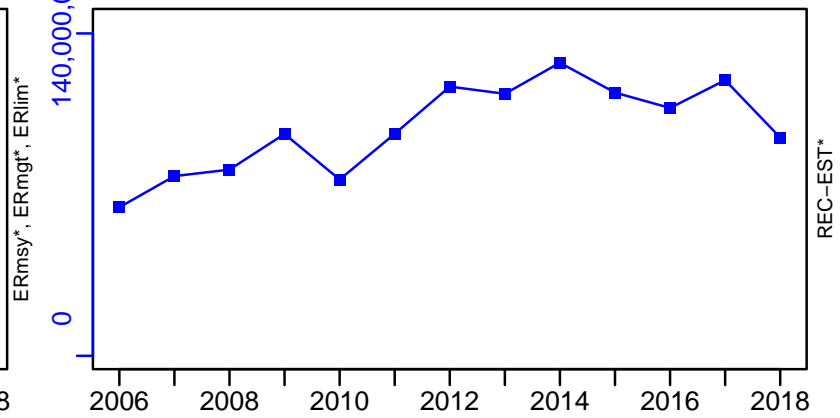
F-1/yr (2006-2018-MEDIMP2021-2)



ER-calc-ratio (2006-2018-MEDIMP2021-2)



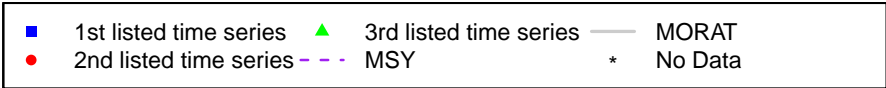
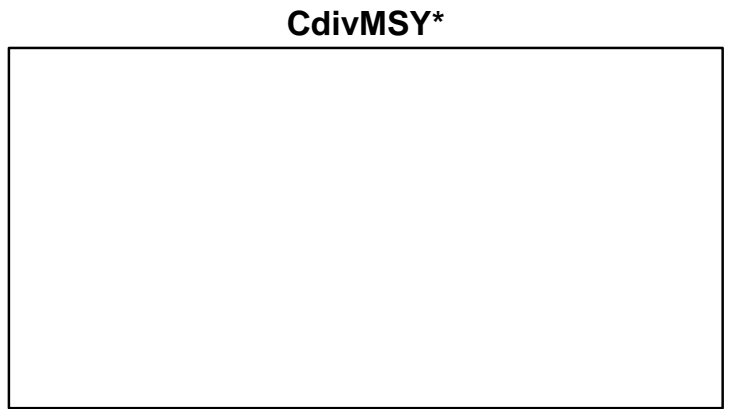
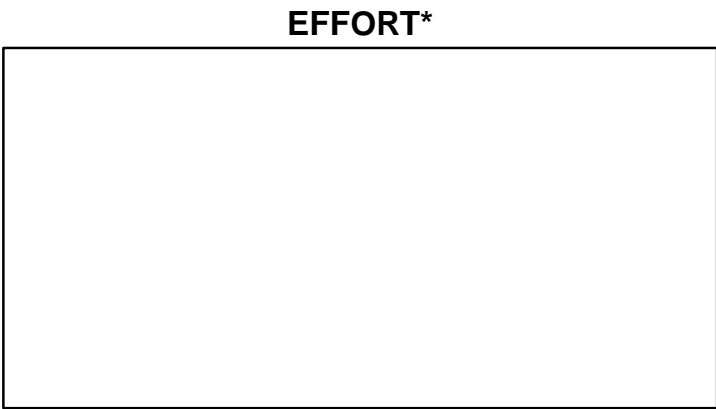
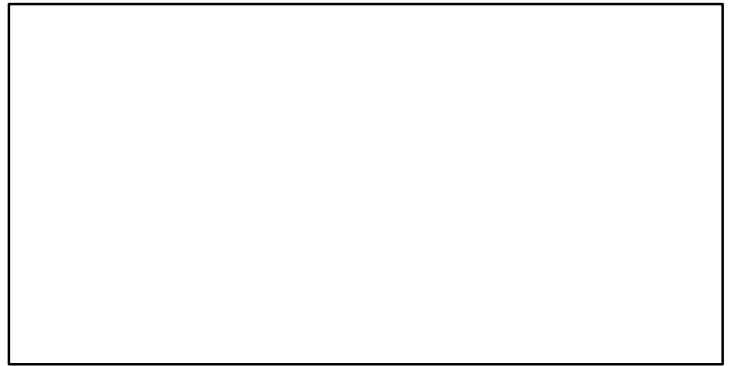
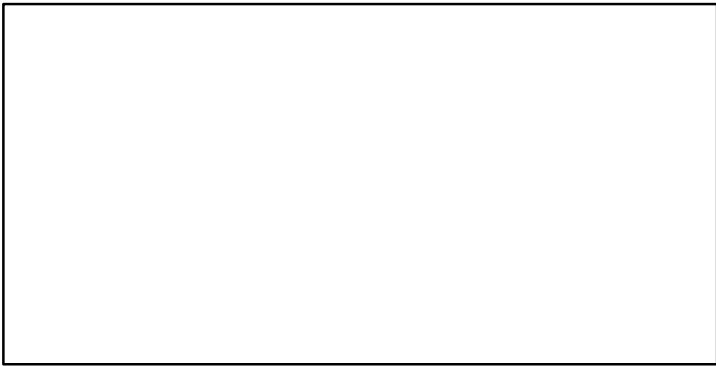
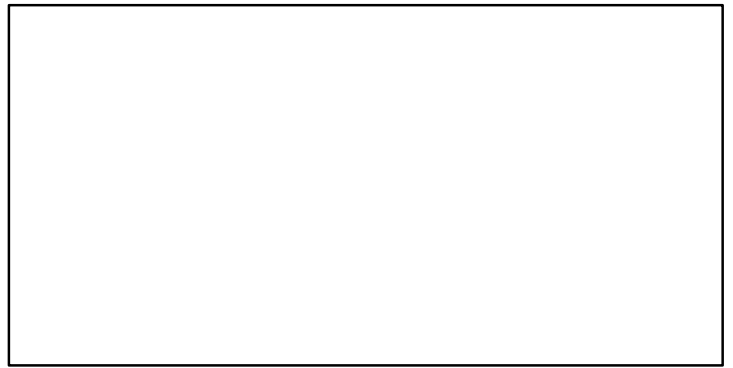
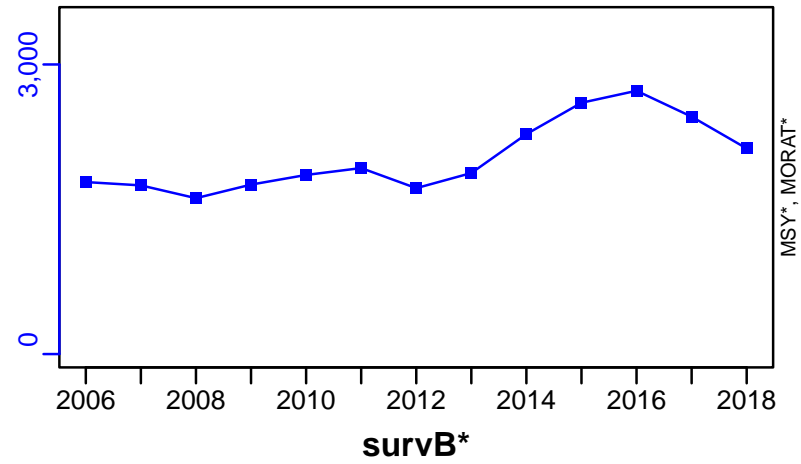
R-E00 (2006-2018-MEDIMP2021-2)



Common sole Northern Adriatic Sea [SOLMEDGSA17]

TC-MT, TL*, RecC* (2006-2018-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



Common sole Gulf of Lions [SOLMEDGSA7]

Metadata	
Scientific Name	Solea solea
Current Assess ID	STECF-SOLMEDGSA7-2011-2015-OSIO
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.085
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	215	-	-
TN	-	-	-	-	-
R	R-E00	2015	2,060,000	-	-
F	F-1/yr	2015	0.63	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	184	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	7.412	-	-
ER/ERmgt	-	-	-	-	-

Common sole Gulf of Lions [SOLMEDGSA7]

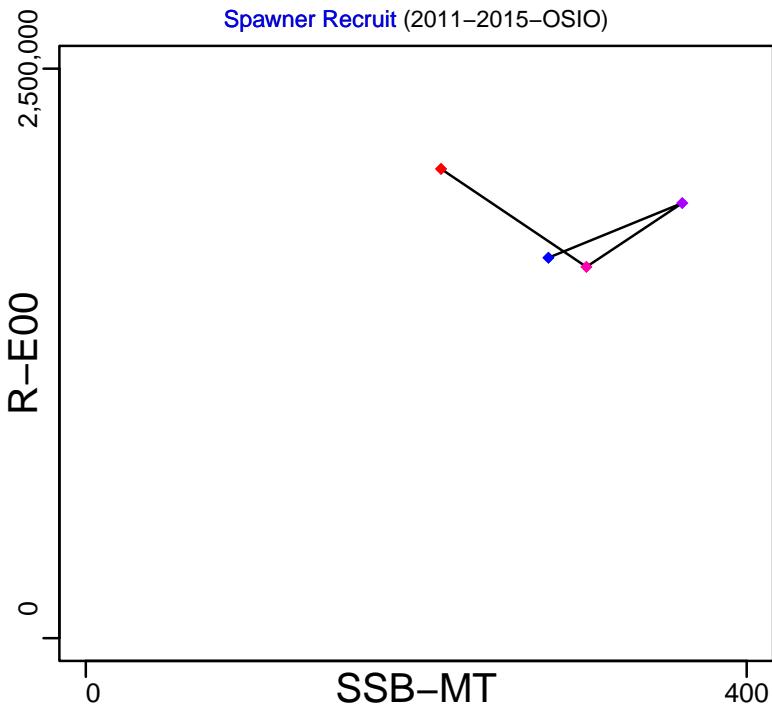
Kobe MSY*



Kobe MGT*



Spawner Recruit (2011-2015-OSIO)



Production*



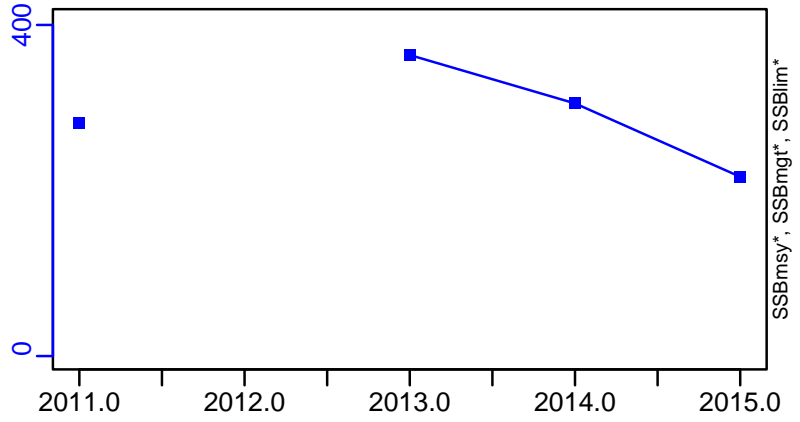
◆ Start Year ◆ End Year * No Data

Common sole Gulf of Lions [SOLMEDGSA7]

TB*



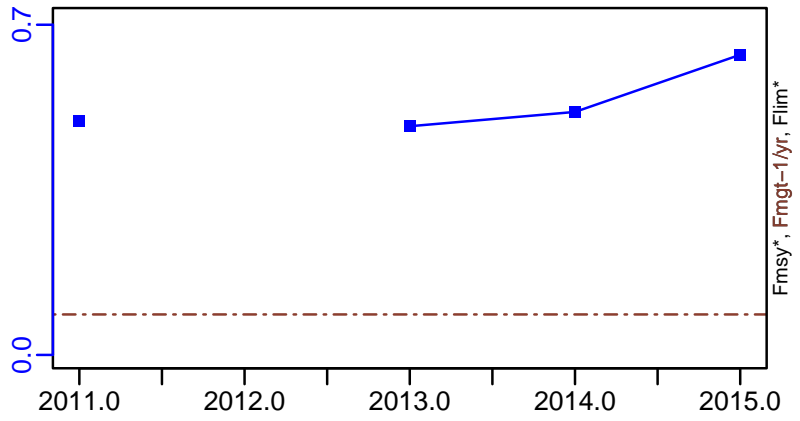
SSB-MT (2011-2015-OSIO)



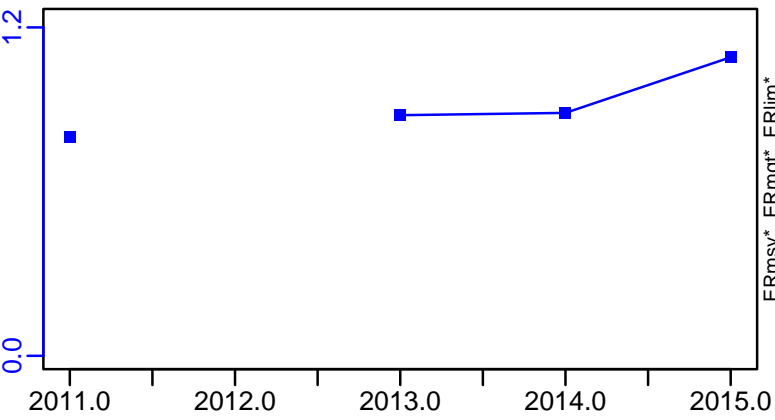
TN *



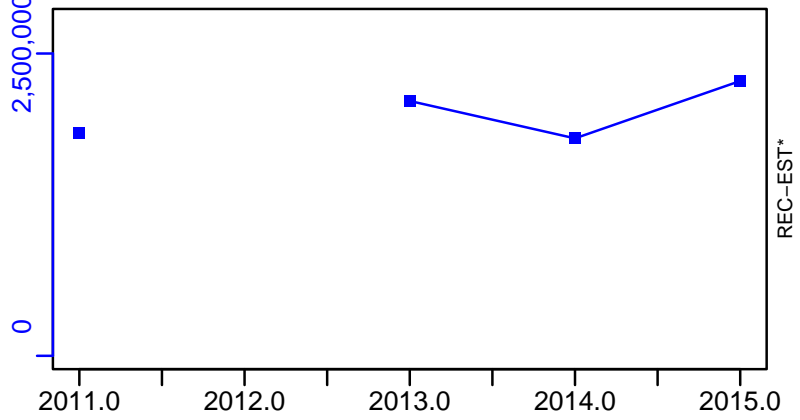
F-1/yr (2011-2015-OSIO)



ER-calc-ratio (2011-2015-OSIO)



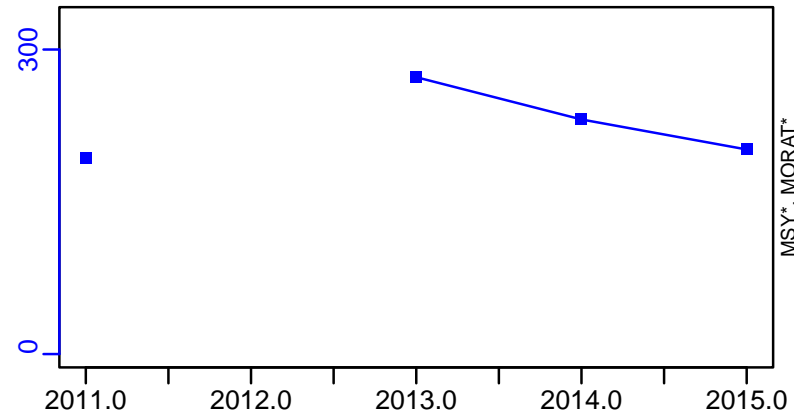
R-E00 (2011-2015-OSIO)



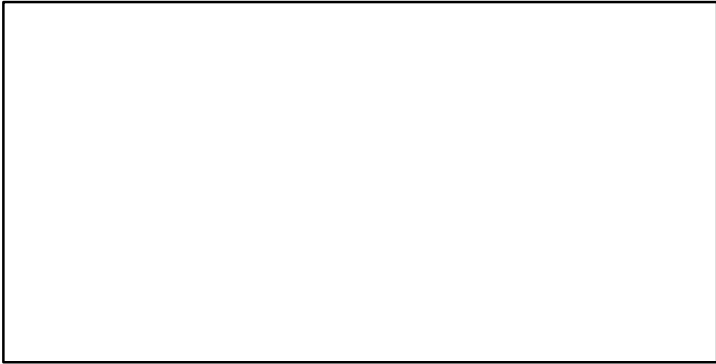
Common sole Gulf of Lions [SOLMEDGSA7]

TL-MT, TC*, RecC* (2011-2015-OSIO)

TAC*, Cpair*, Cadv*



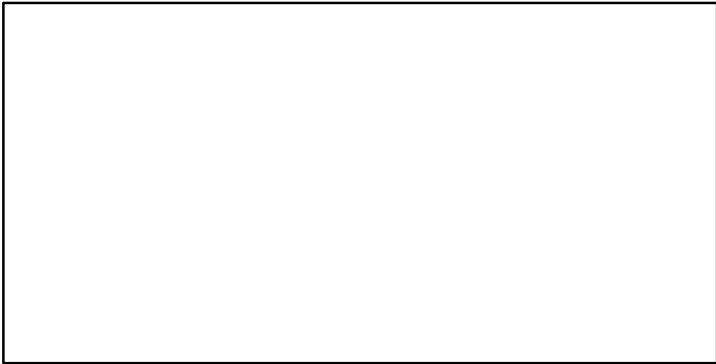
survB*



CPUE*



EFFORT*



CdivMSY*



Sprat Black Sea [SPRBLKGA29]

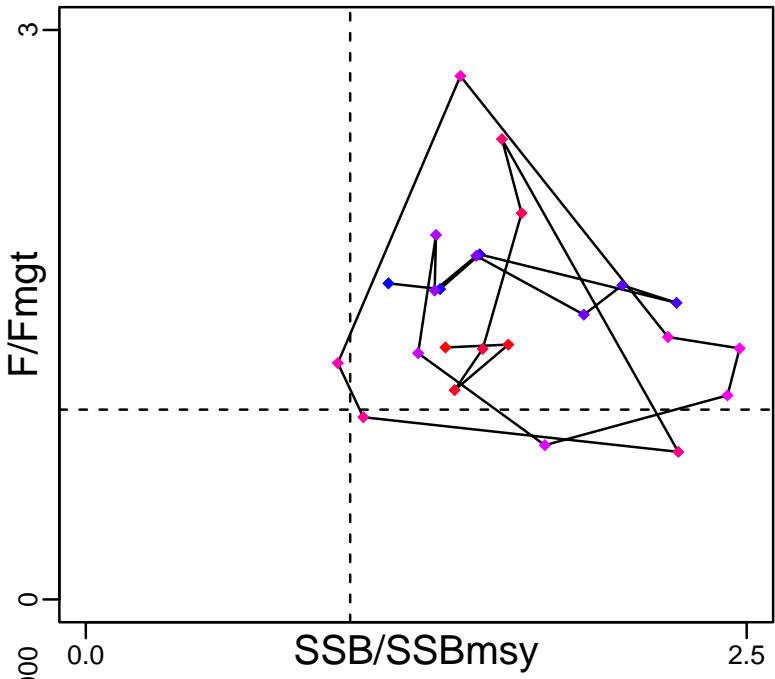
Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	SGSABS-SPRBLKGA29-1997-2020-HIVELY
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Subregional Group on Stock Assessment for the Black Sea
Asmts in RAM	2020, 2010, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.64
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2020	0.4
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.95
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.64
ERlim	-	-	-

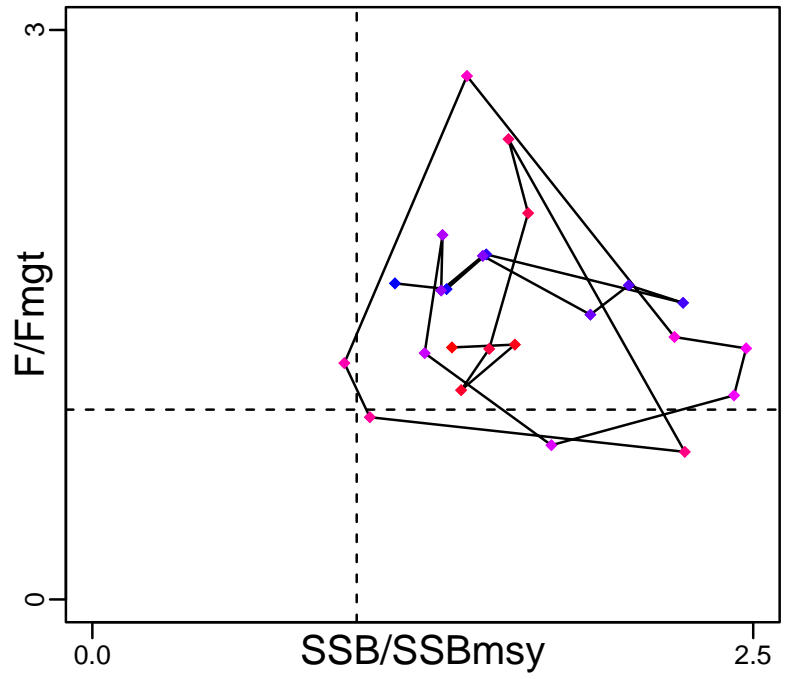
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2020	190,865	-	-
TN	-	-	-	-	-
R	R-E00	2020	$2.016,37 \times 10^{11}$	-	-
F	F-1/yr	2020	0.531	-	-
ER	-	-	-	-	-
TC	TC-MT	2020	48,568		
TL	TL-MT	2010	91,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.151		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2020	1.327		
ER/ERmgt	-	-	-		

Sprat Black Sea [SPRBLKGSA29]

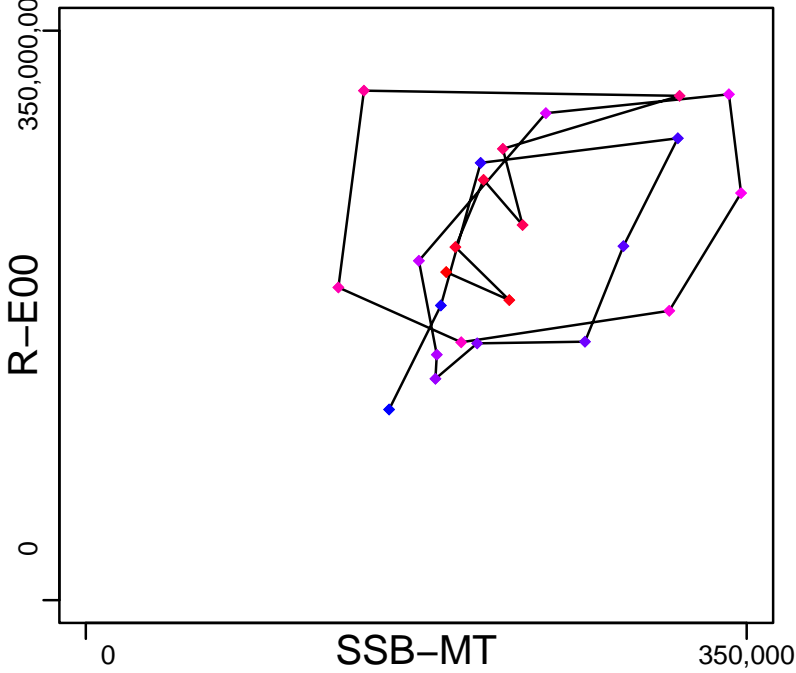
Kobe MSYpref (1997-2020-HIVELY)



Kobe MGTpref (1997-2020-HIVELY)



Spawner Recruit (1997-2020-HIVELY)



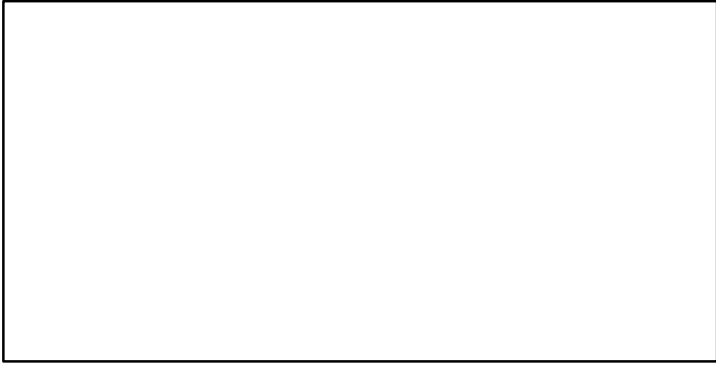
Production*



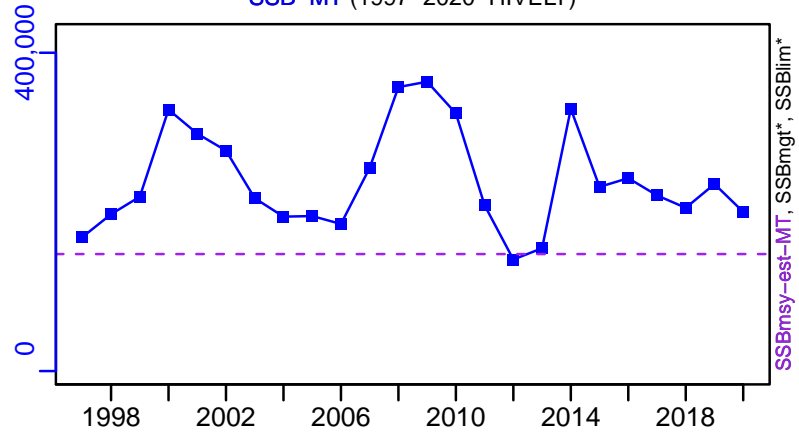
◆ Start Year ◆ End Year * No Data

Sprat Black Sea [SPRBLKGSA29]

TB*



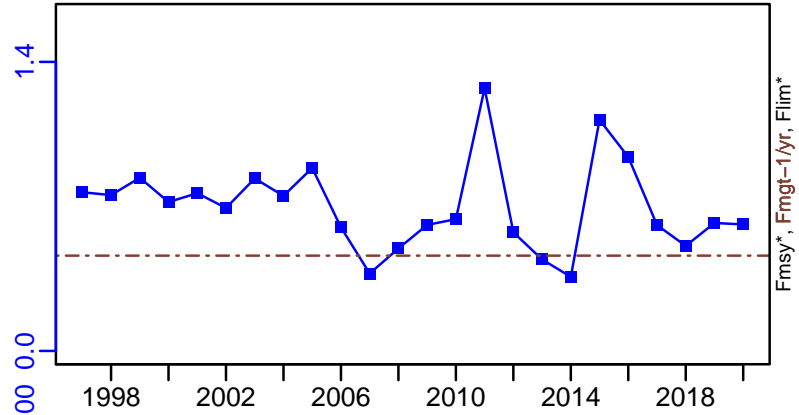
SSB-MT (1997-2020-HIVELY)



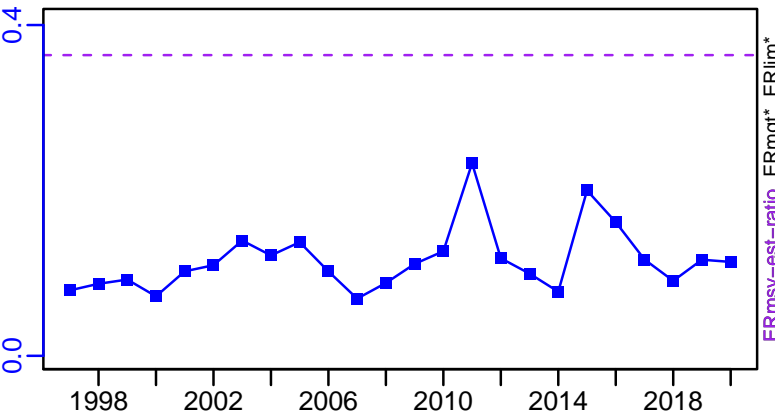
TN *



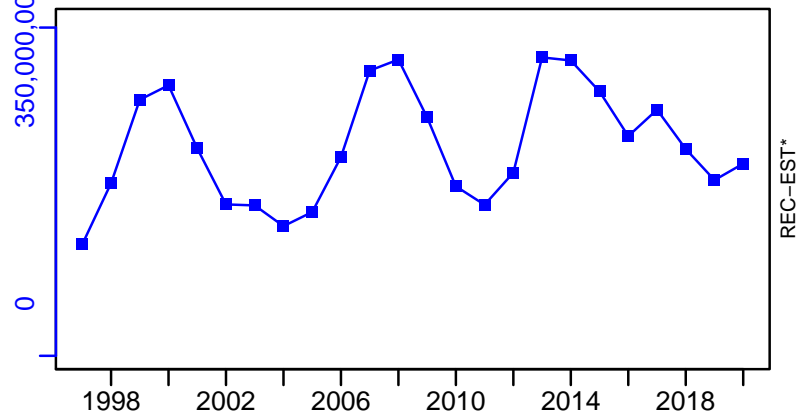
F-1/yr (1997-2020-HIVELY)



ER-calc-ratio (1997-2020-HIVELY)



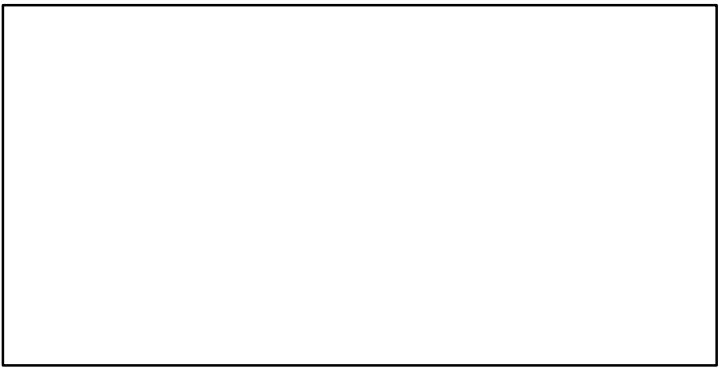
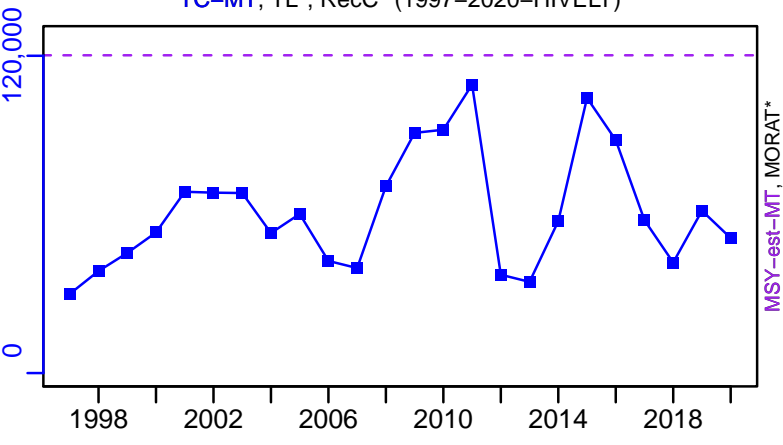
R-E00 (1997-2020-HIVELY)



Sprat Black Sea [SPRBLKGSA29]

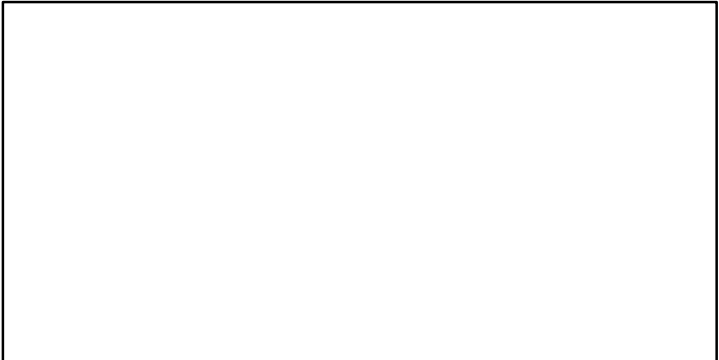
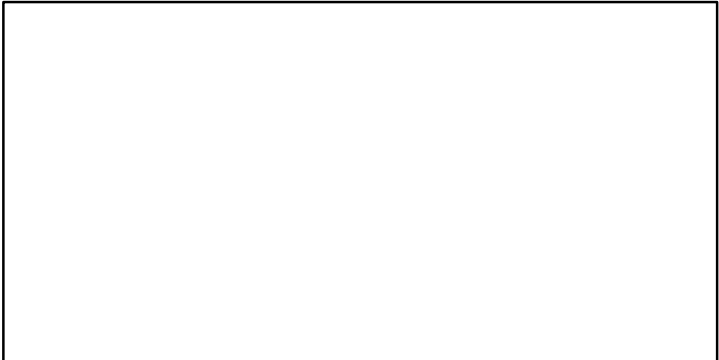
TC-MT, TL*, RecC* (1997-2020-HIVELY)

TAC*, Cpair*, Cadv*



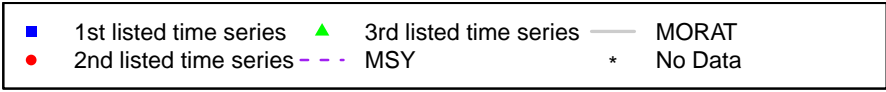
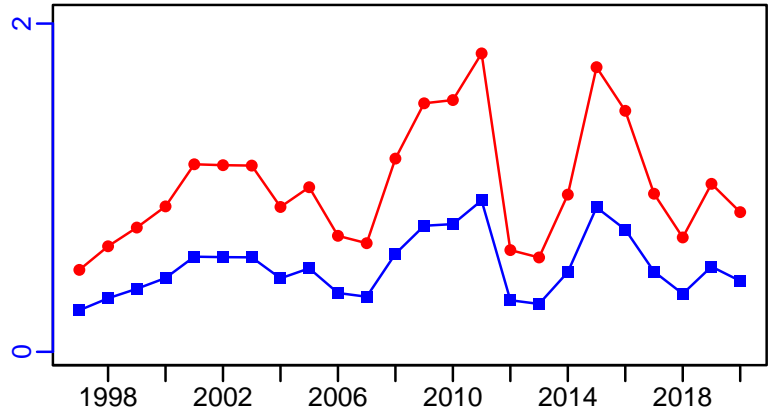
survB*

CPUE*



EFFORT*

TC-MT/MSY-est-MT, CdivMEANC-ratio, (1997-2020-HIVELY)



Swordfish Mediterranean Sea [SWORDMED]

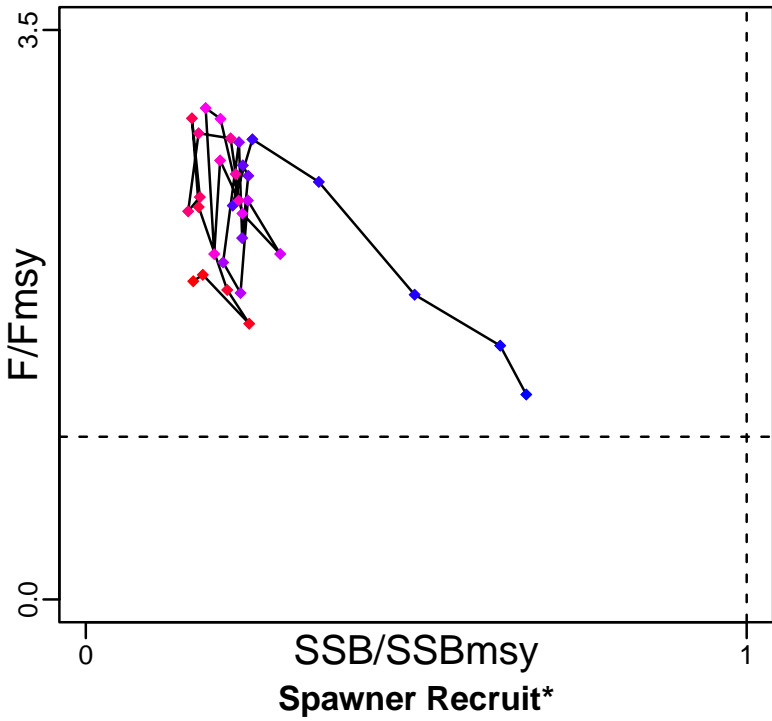
Metadata	
Scientific Name	Xiphias gladius
Current Assess ID	ICCAT-SWORDMED-1950-2018-PONS
Area	Mediterranean Sea
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Asmts in RAM	2009, 2018

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-extr-MT	2009	73,728
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2009	0.26
ERmsy	ERmsy-calc-ratio	2009	0.198
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2018	19,683
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

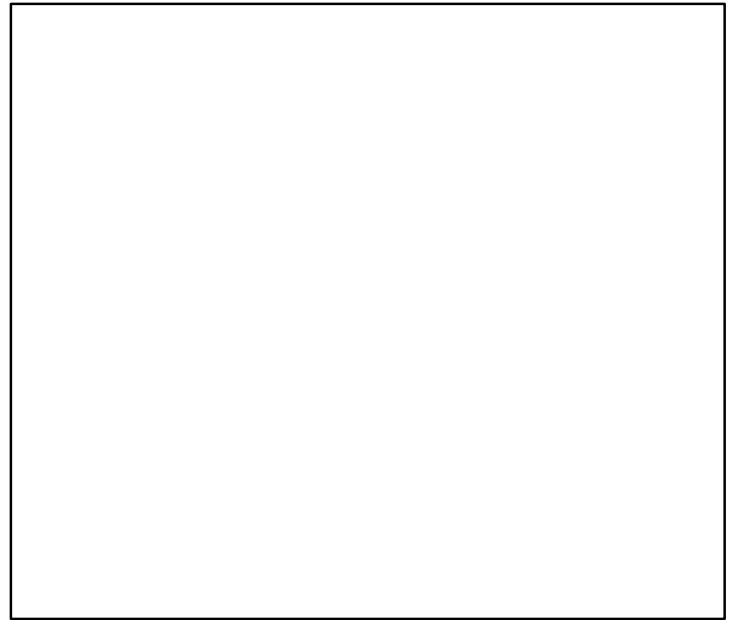
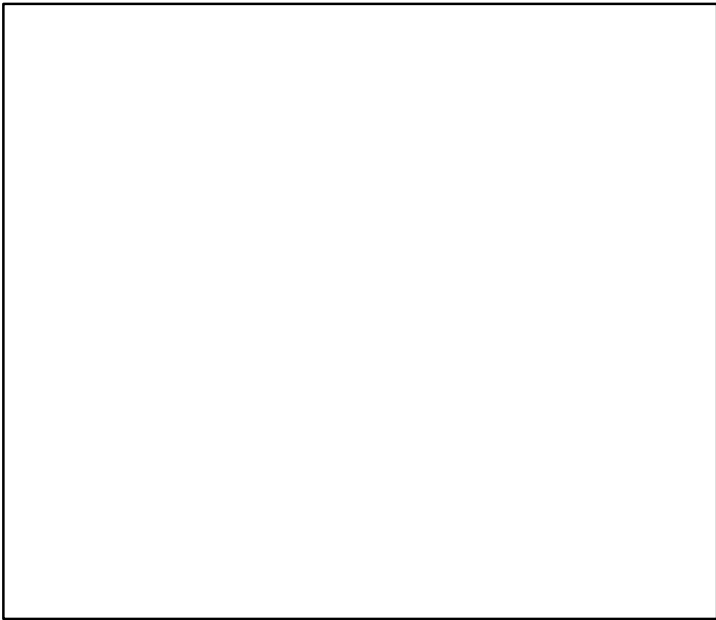
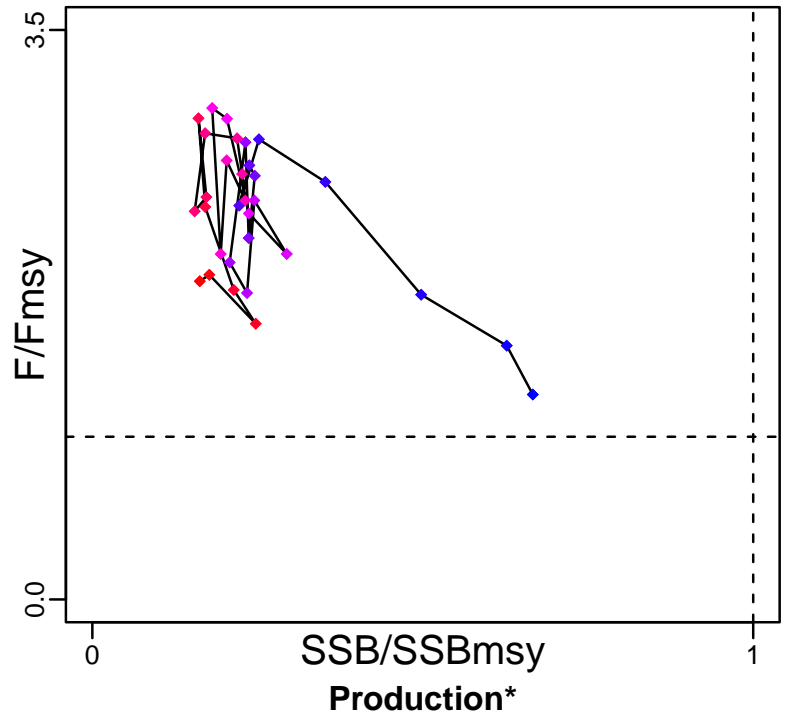
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	64,600	-	-
SSB	SSB-MT	2009	33,600	-	3+
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2018	0.487	-	-
TC	TC-MT	2009	9340		
TL	TL-MT	2018	7079		
TB/TBmsy	TBdivTBmsy-dimensionless	2009	0.96		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2018	0.163		
F/Fmsy	FdivFmsy-dimensionless	2018	1.956		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2009	0.954		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Swordfish Mediterranean Sea [SWORDMED]

Kobe MSYpref (1950-2018-PONS)



Kobe MGTpref (1950-2018-PONS)

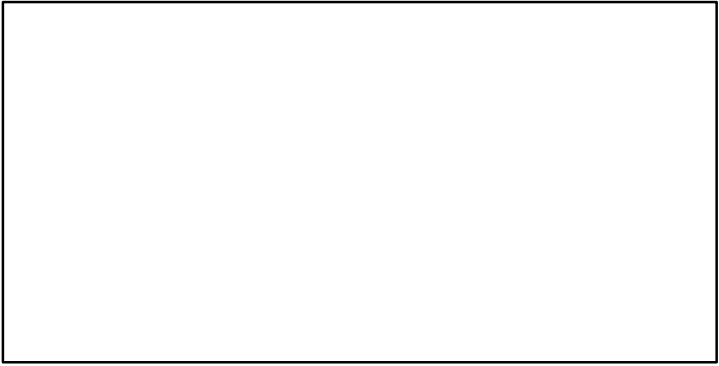
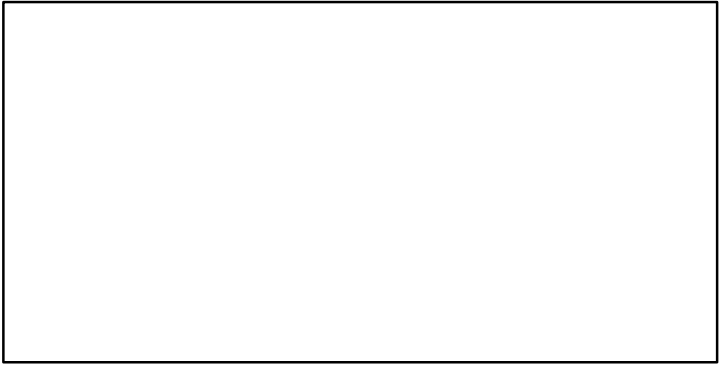
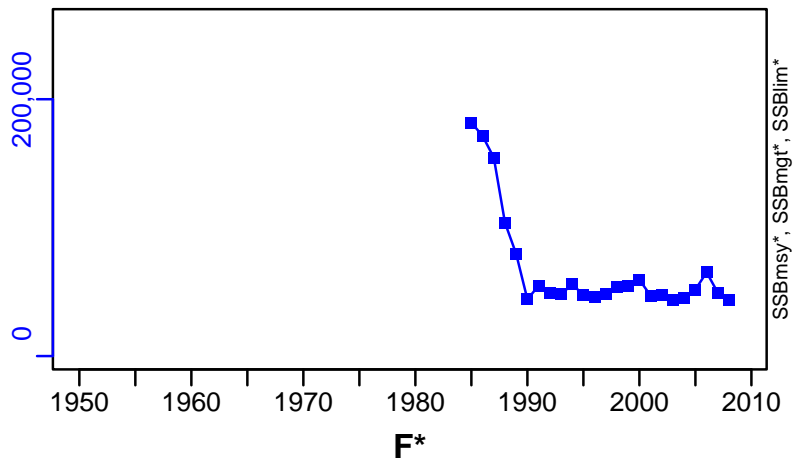
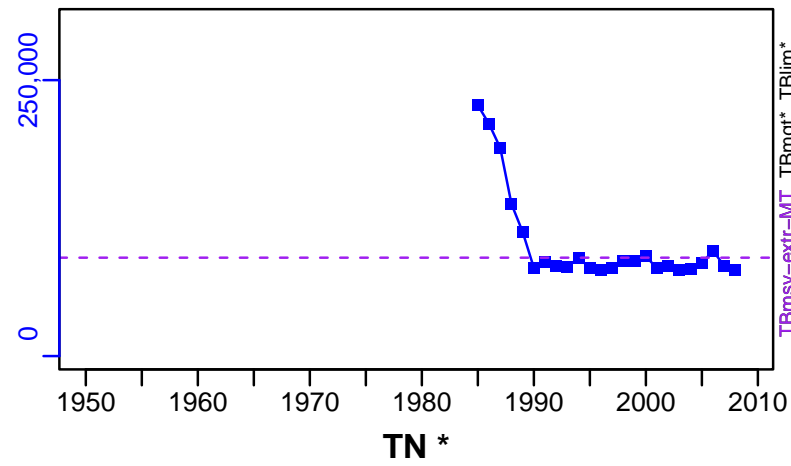


◆ Start Year ◆ End Year * No Data

Swordfish Mediterranean Sea [SWORDMED]

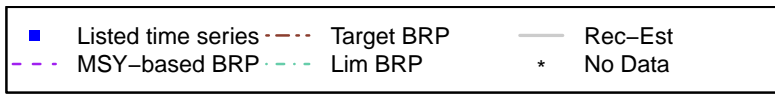
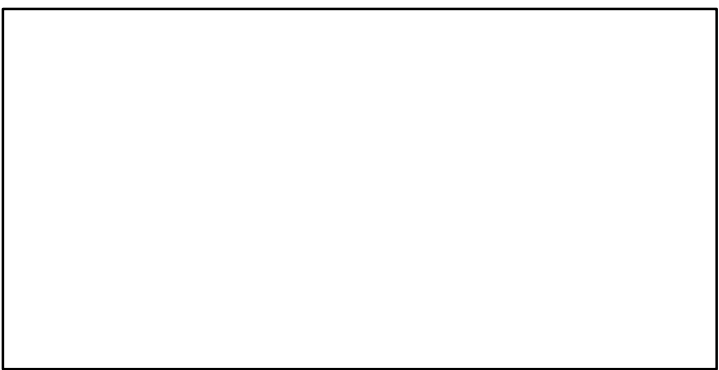
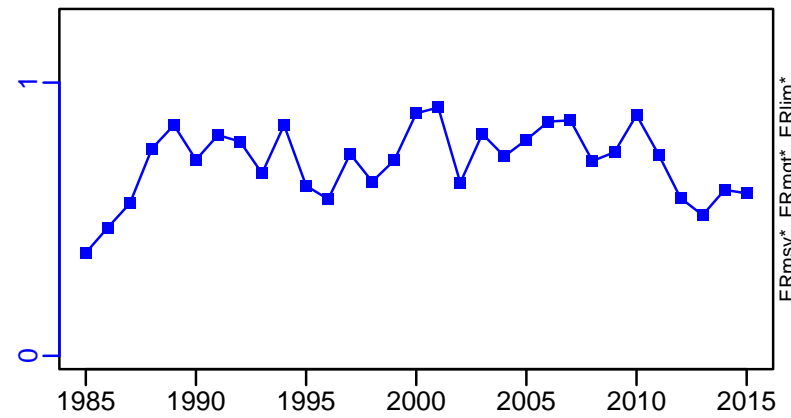
TB-MT (1950-2009-CHING)

SSB-MT (1950-2009-CHING)



ER-ratio (1950-2018-PONS)

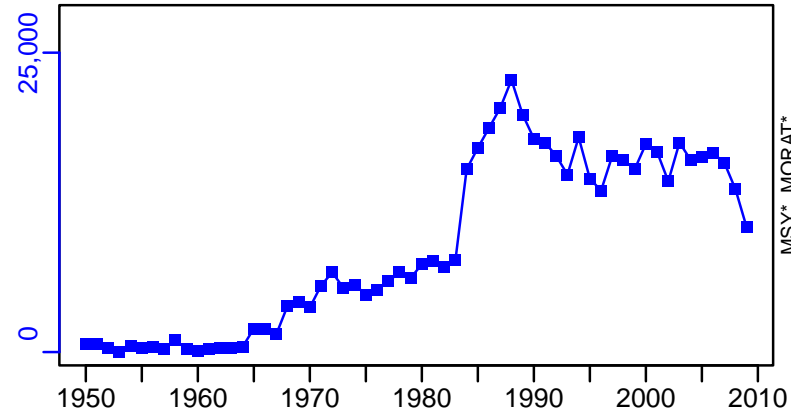
Recruits*



Swordfish Mediterranean Sea [SWORDMED]

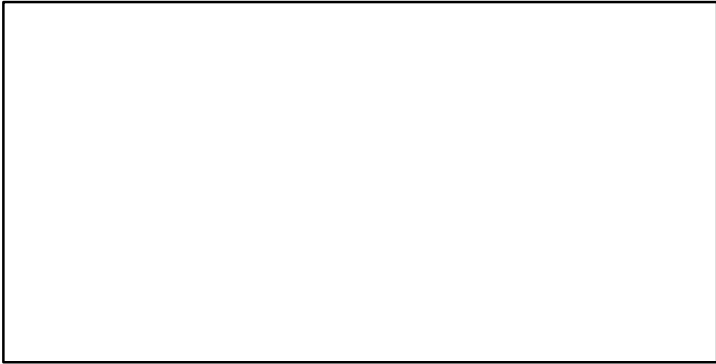
TC-MT, TL*, RecC* (1950-2009-CHING)

TAC*, Cpair*, Cadv*



MSY*, MORAT*

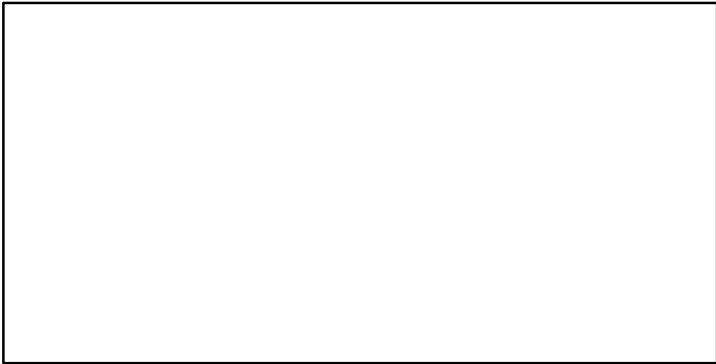
survB*



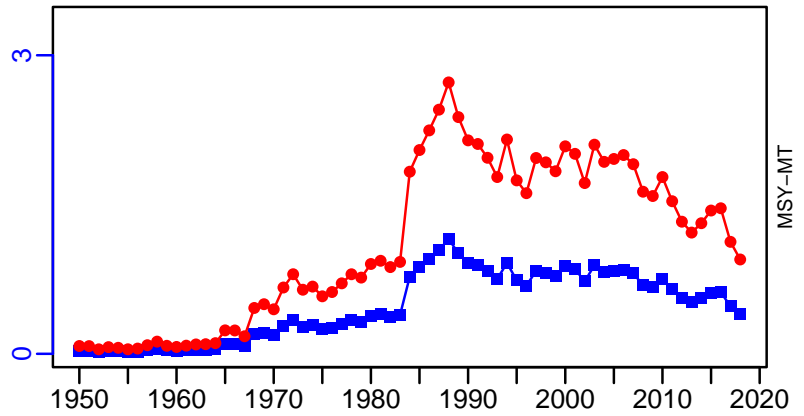
CPUE*



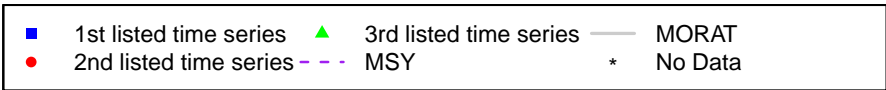
EFFORT*



TL-MT/MSY-MT, CdivMEANC-ratio, (1950-2018-PONS)



MSY-MT



Thornback skate Black Sea [TBSKAMEDGSA29]

Metadata	
Scientific Name	Raja clavata
Current Assess ID	STECF-TBSKAMEDGSA29-2008-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.16
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2014	0.21	-	-
ER	-	-	-	-	-
TC	TC-MT	2014	96		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.312		
ER/ERmgt	-	-	-		

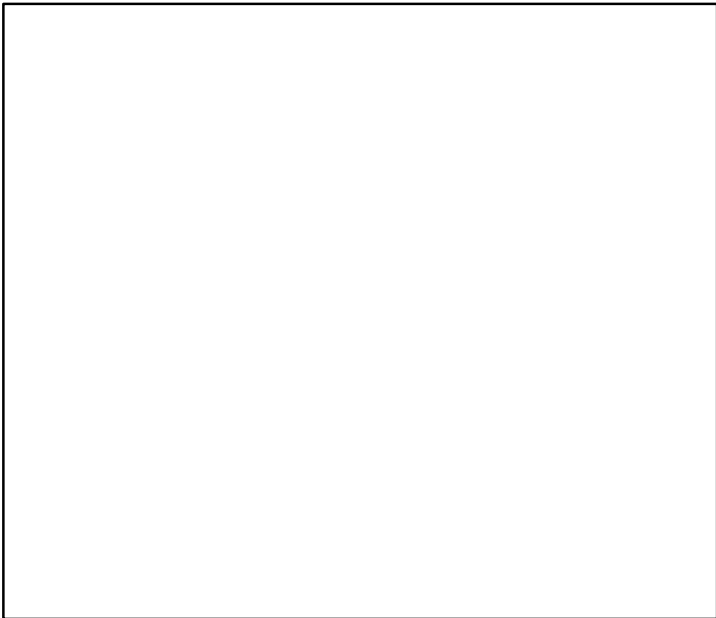
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

Thornback skate Black Sea [TBSKAMEDGSA29]

TB*



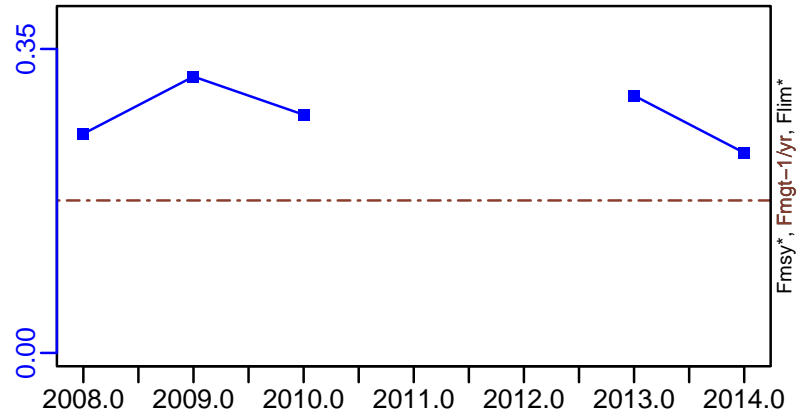
SSB*



TN *



F-1/yr (2008–2014–OSIO)



ER*



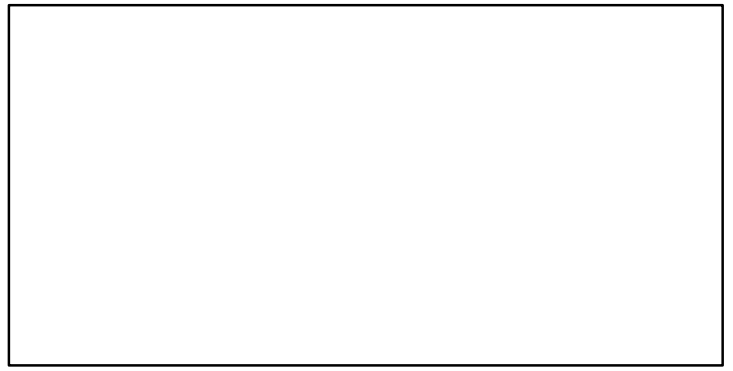
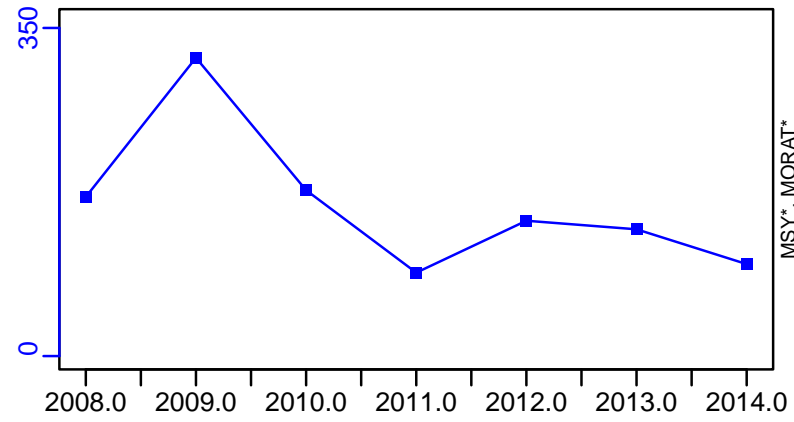
Recruits*



Thornback skate Black Sea [TBSKAMEDGSA29]

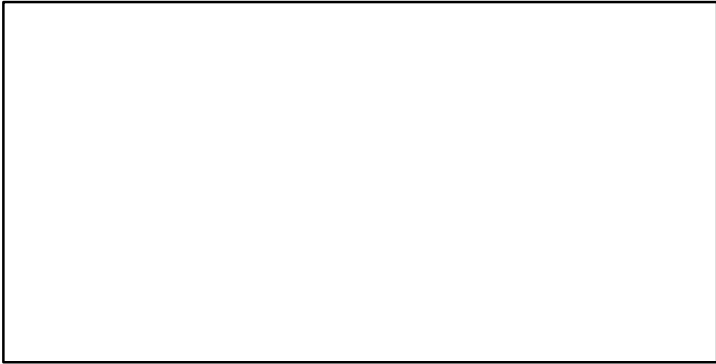
TC-MT, TL*, RecC* (2008-2014-OSIO)

TAC*, Cpair*, Cadv*



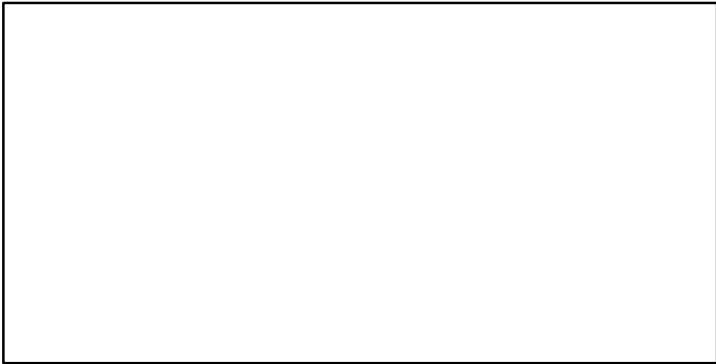
survB*

CPUE*



EFFORT*

CdivMSY*



Turbot Black Sea [TURBLKGA29]

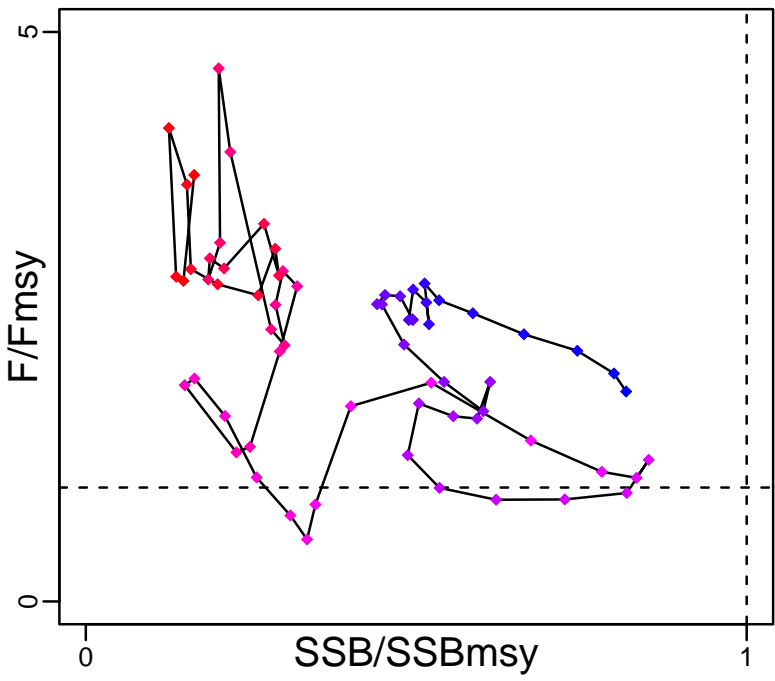
Metadata	
Scientific Name	Psetta maxima
Current Assess ID	STECF-TURBLKGA29-1950-2016-MEDIMP2021-2
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2016, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.26
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2016	0.26
ERMgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.19
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	3535
Flim	-	-	-
ERlim	-	-	-

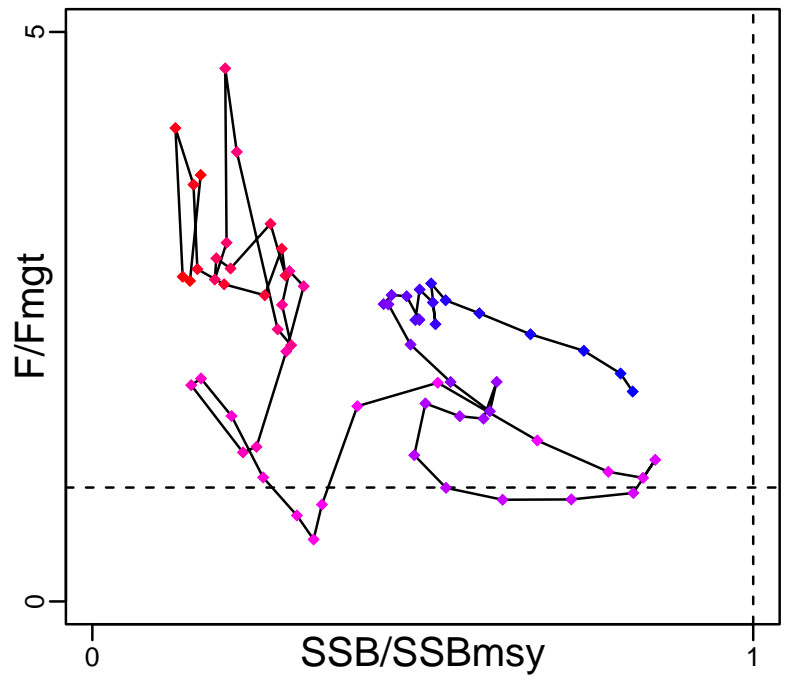
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2016	1993	-	-
TN	-	-	-	-	-
R	R-E00	2016	901,897	-	-
F	F-1/yr	2016	0.974	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	1100		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.744		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.744		
ER/ERMgt	-	-	-		

Turbot Black Sea [TURBLKGS29]

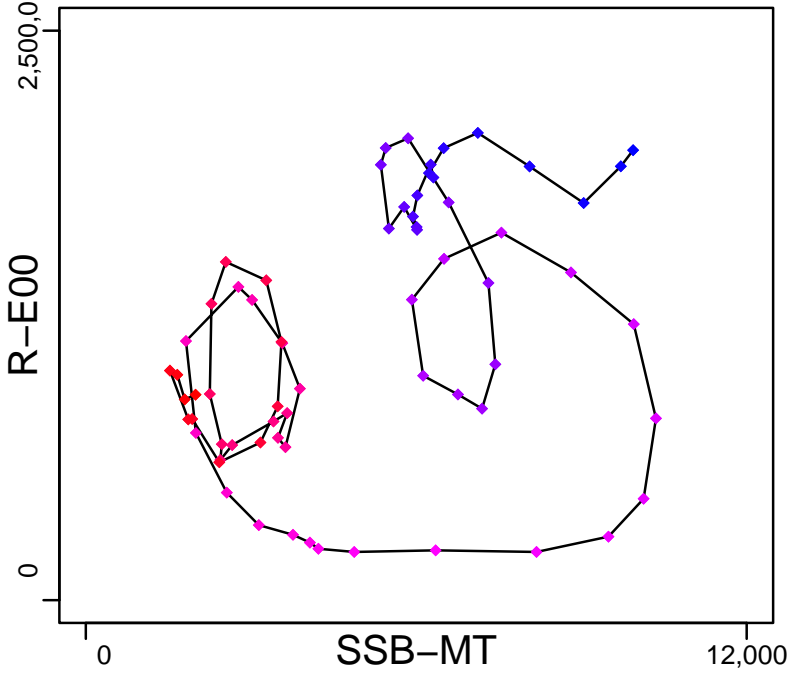
Kobe MSYpref (1950–2016–MEDIMP2021–2)



Kobe MGTpref (1950–2016–MEDIMP2021–2)



Spawner Recruit (1950–2016–MEDIMP2021–2)



Production*



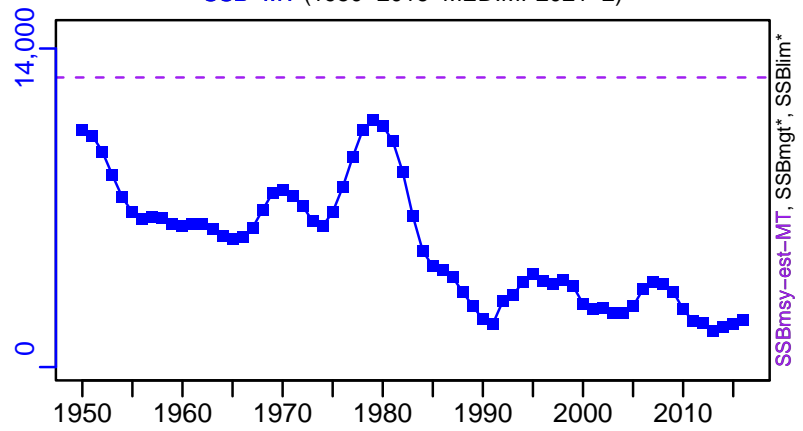
◆ Start Year ◆ End Year * No Data

Turbot Black Sea [TURBLKGS29]

TB*



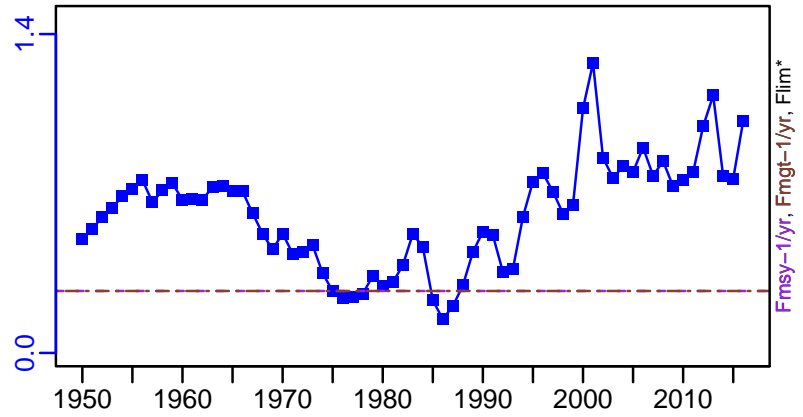
SSB-MT (1950-2016-MEDIMP2021-2)



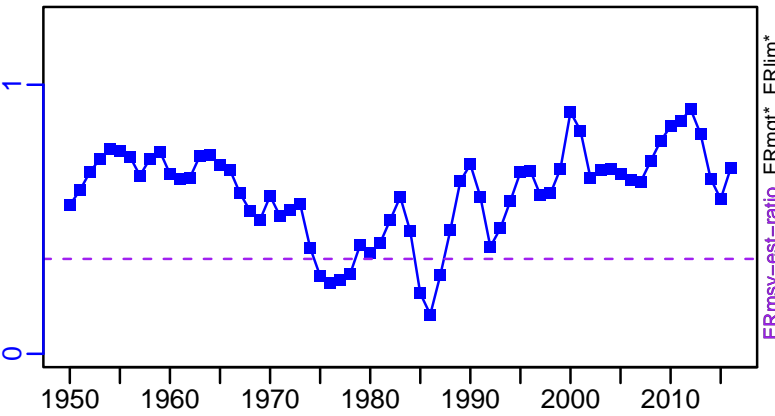
TN *



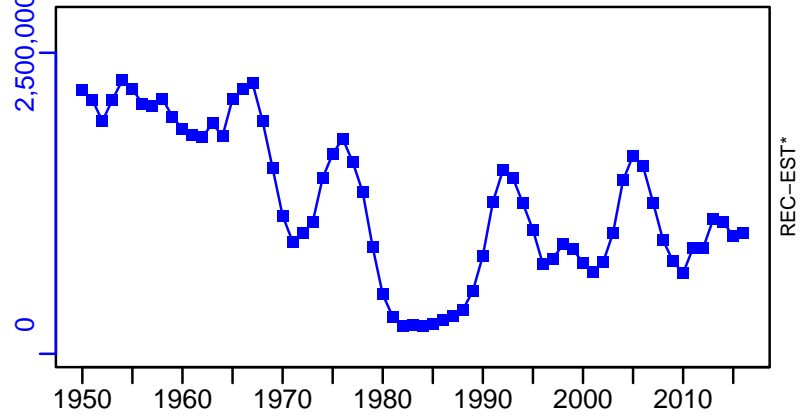
F-1/yr (1950-2016-MEDIMP2021-2)



ER-calc-ratio (1950-2016-MEDIMP2021-2)



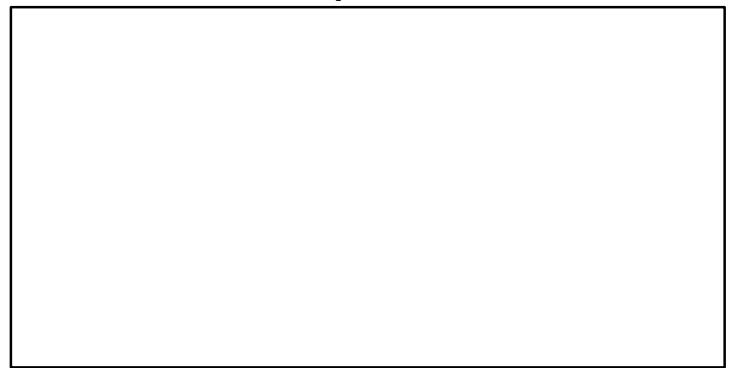
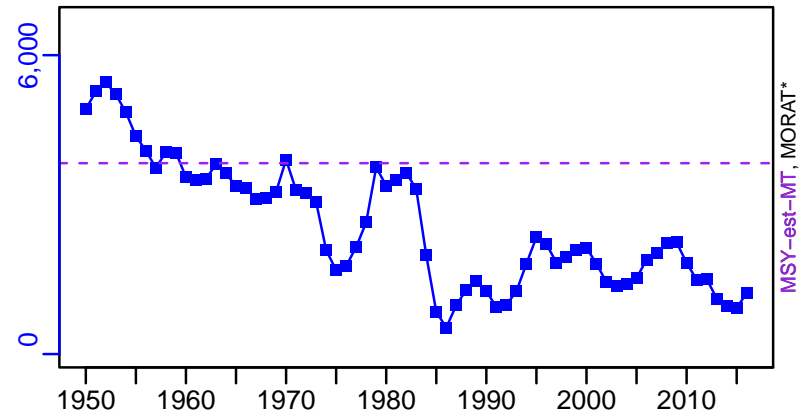
R-E00 (1950-2016-MEDIMP2021-2)



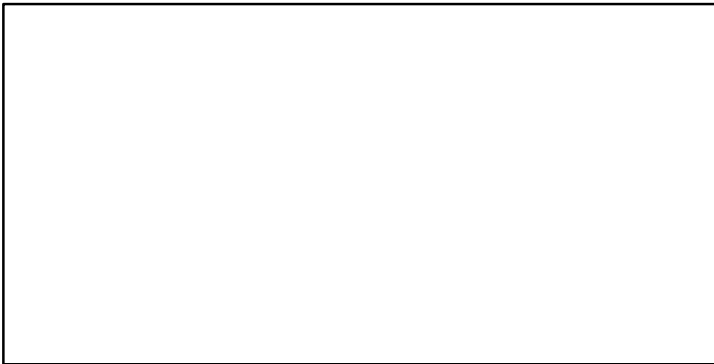
Turbot Black Sea [TURBLKGSA29]

TC-MT, TL*, RecC* (1950-2016-MEDIMP2021-2)

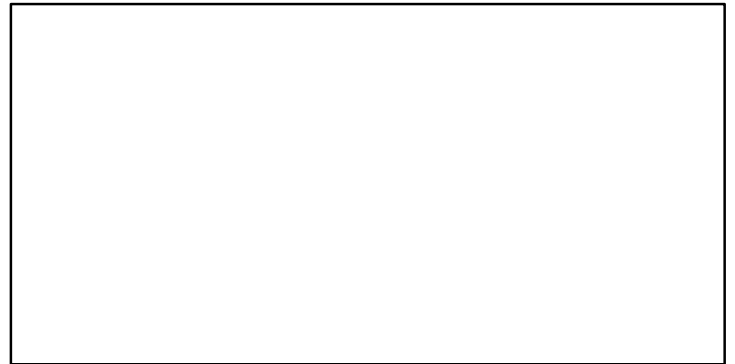
TAC*, Cpair*, Cadv*



survB*



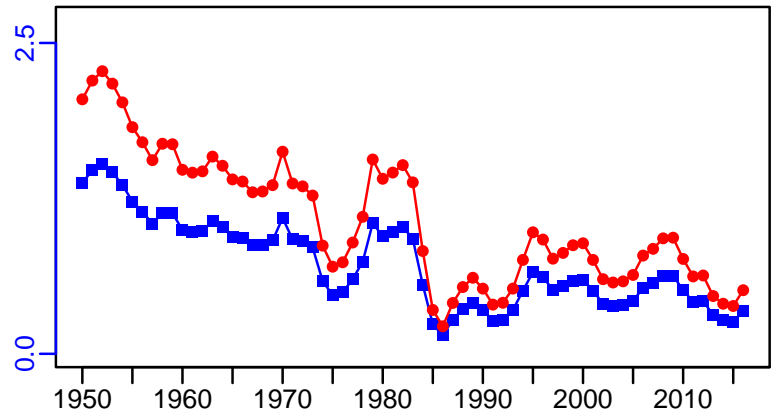
CPUE*



EFFORT*



TC-MT/MSY-est-MT, CdivMEANC-ratio, (1950-2016-MEDIMP2021-2)



White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]

Metadata	
Scientific Name	Lophius piscatorius
Current Assess ID	STECF-WANGLGSA1-7-2013-2015-OSIO
Area	Geographical Sub-Areas 1-7
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2015	0.22
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	391	-	-
TN	-	-	-	-	-
R	R-E00	2015	1,270,000	-	-
F	F-1/yr	2015	0.45	-	-
ER	-	-	-	-	-
TC	-	-	-	-	-
TL	TL-MT	2015	3520	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.045	-	-
ER/ERmgt	-	-	-	-	-

White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]

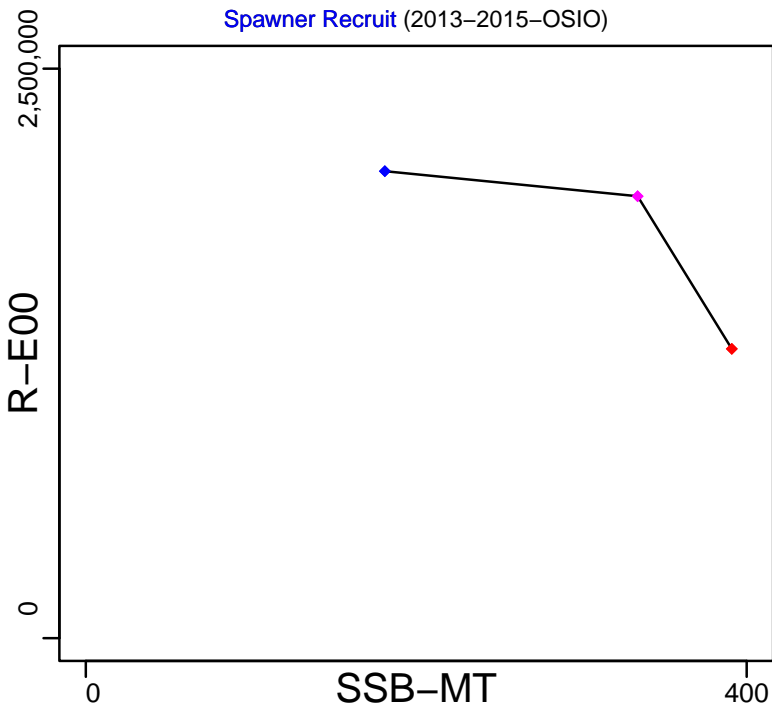
Kobe MSY*



Kobe MGT*



Spawner Recruit (2013-2015-OSIO)



Production*



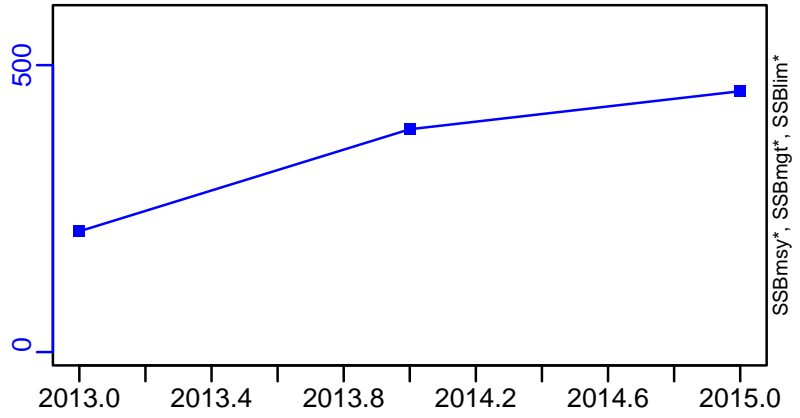
◆ Start Year ◆ End Year * No Data

White anglerfish Geographical Sub-Areas 1-7 [WANGLSA1-7]

TB*



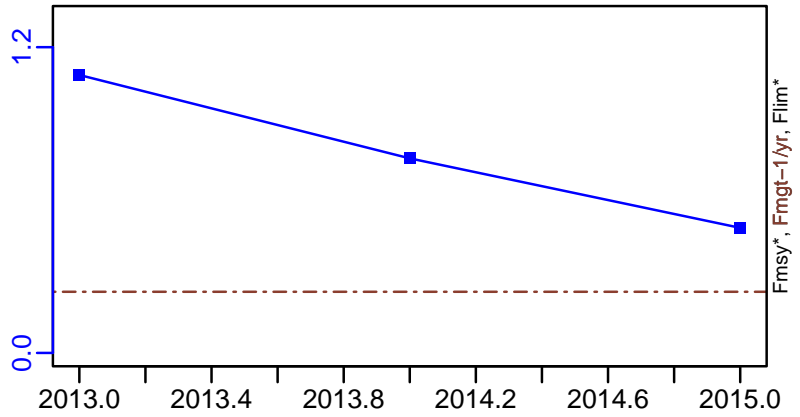
SSB-MT (2013-2015-OSIO)



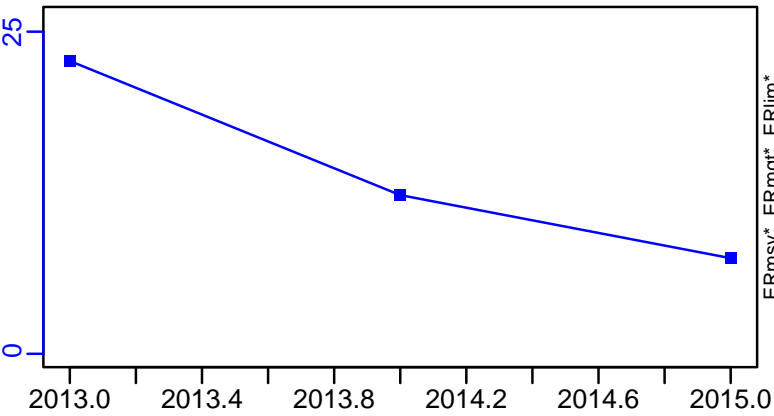
TN *



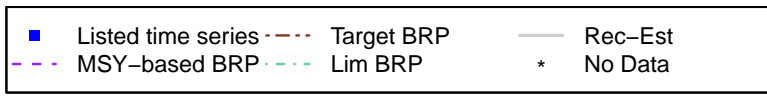
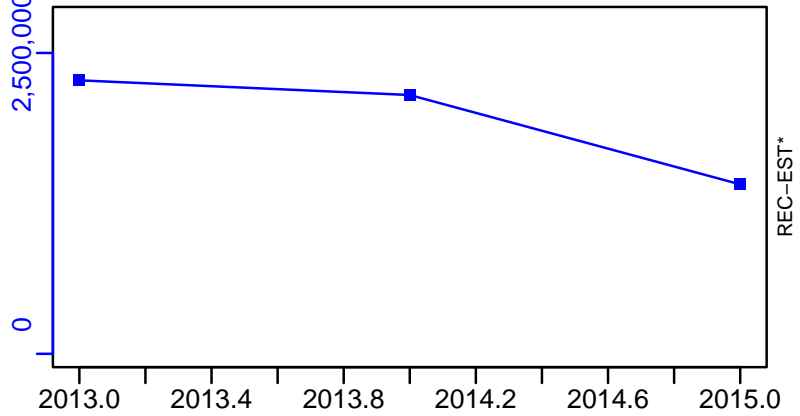
F-1/yr (2013-2015-OSIO)



ER-calc-ratio (2013-2015-OSIO)



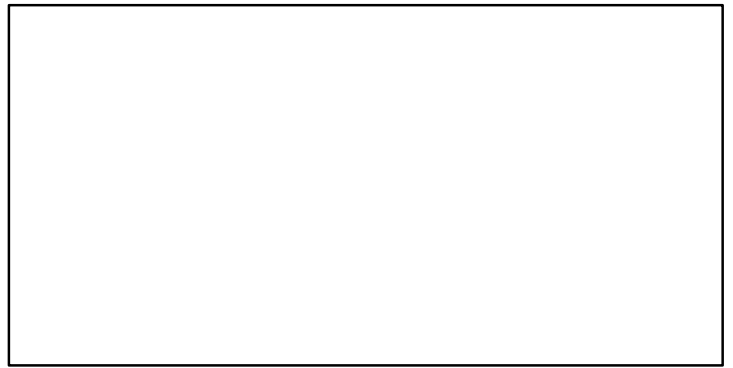
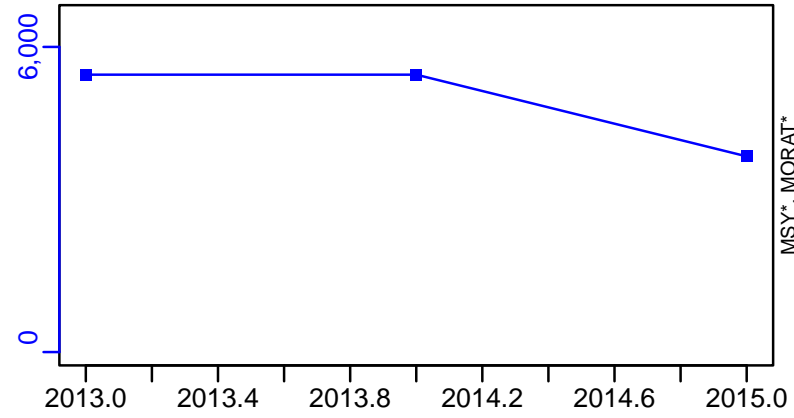
R-E00 (2013-2015-OSIO)



White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]

TL-MT, TC*, RecC* (2013-2015-OSIO)

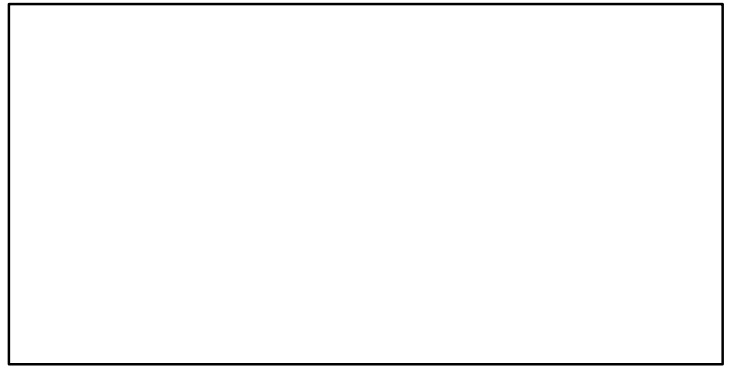
TAC*, Cpair*, Cadv*



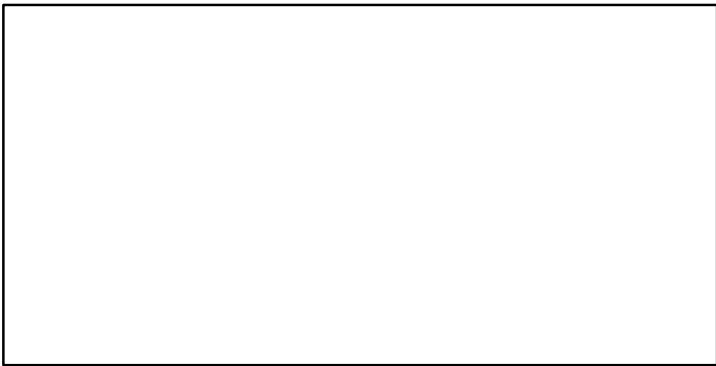
survB*



CPUE*



EFFORT*



CdivMSY*



Whiting Black Sea [WHITMEDGSA29]

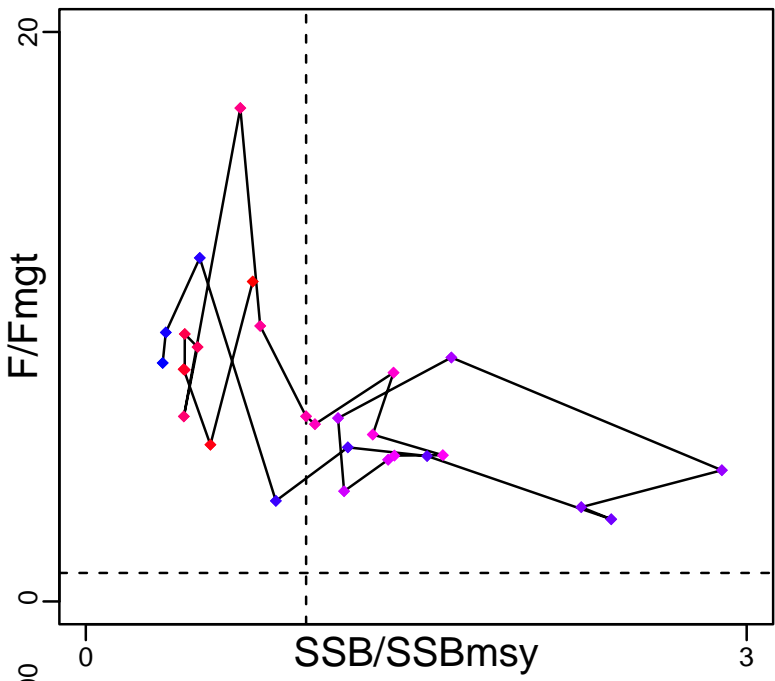
Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	SGSABS-WHITMEDGSA29-1994-2021-HIVELY
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Subregional Group on Stock Assessment for the Black Sea
Asmts in RAM	2021, 2011, 2014, 2016

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.63
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2021	0.15
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.46
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

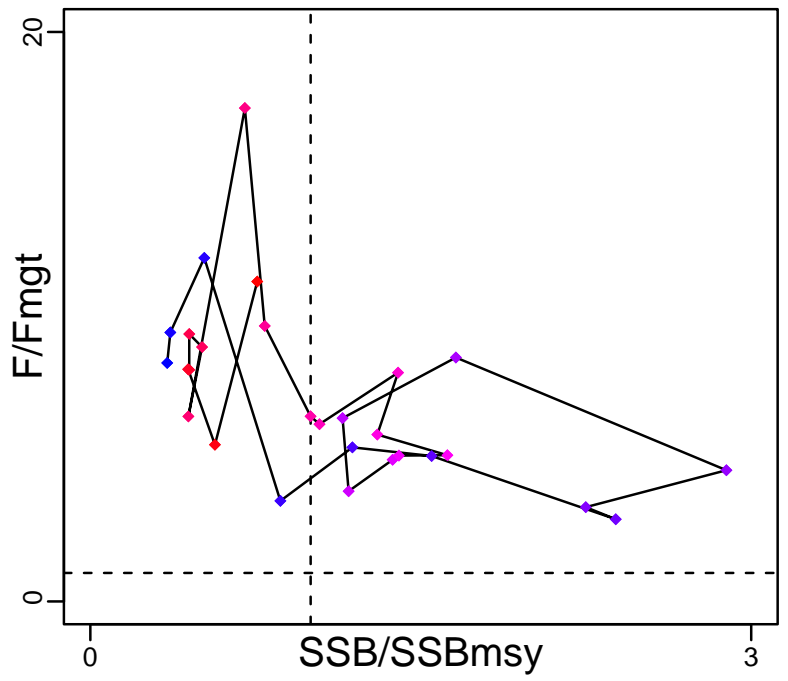
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2021	16,497	-	-
TN	-	-	-	-	-
R	R-E00	2021	1,020,114,000	-	0
F	F-1/yr	2021	1.685	-	-
ER	ER-ratio	2011	0.146	-	-
TC	TC-MT	2016	11,078	-	-
TL	TL-MT	2021	10,039	-	-
TB/TBmsy	-	-	-	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.317	-	-
ER/ERmsy	-	-	-	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	F-1/yr/Fmgt-1/yr	2021	11.234	-	-
ER/ERmgt	-	-	-	-	-

Whiting Black Sea [WHITMEDGSA29]

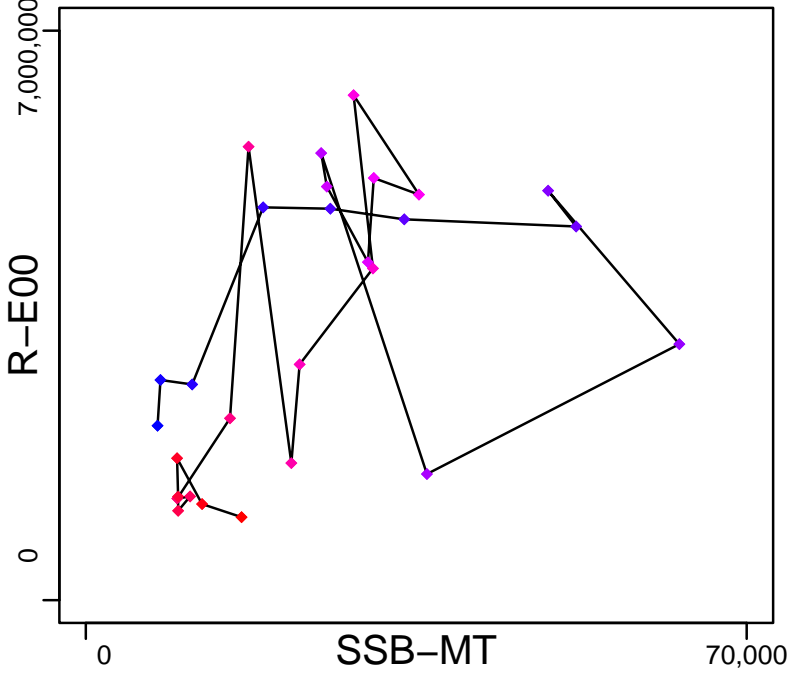
Kobe MSYpref (1994–2021–HIVELY)



Kobe MGTpref (1994–2021–HIVELY)



Spawner Recruit (1994–2021–HIVELY)



Production*



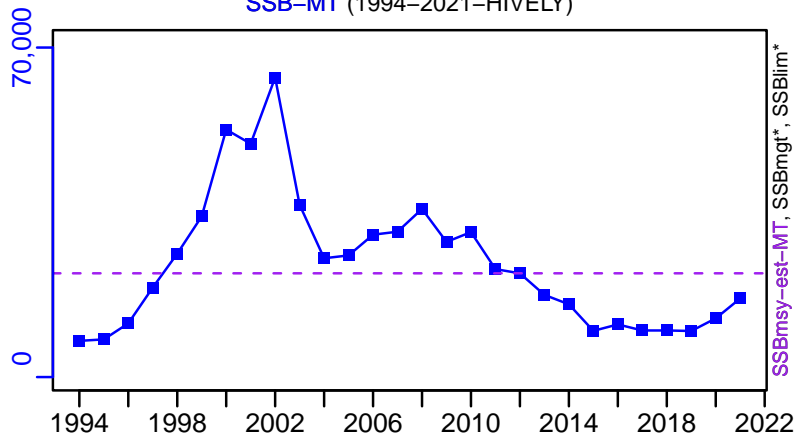
◆ Start Year ◆ End Year * No Data

Whiting Black Sea [WHITMEDGSA29]

TB*



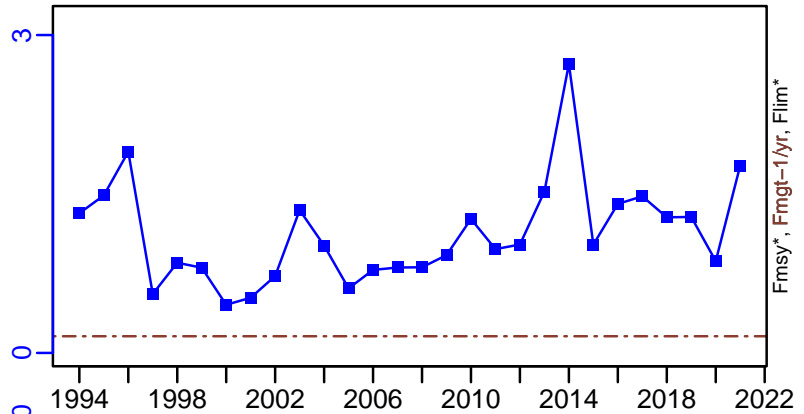
SSB-MT (1994-2021-HIVELY)



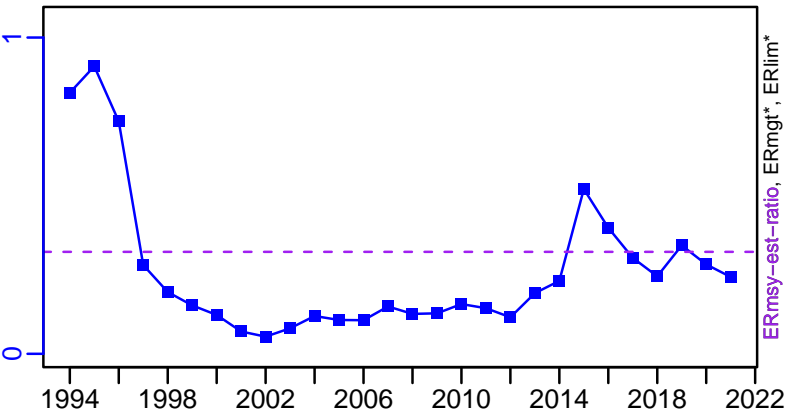
TN *



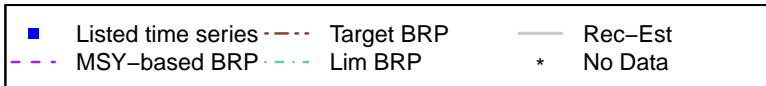
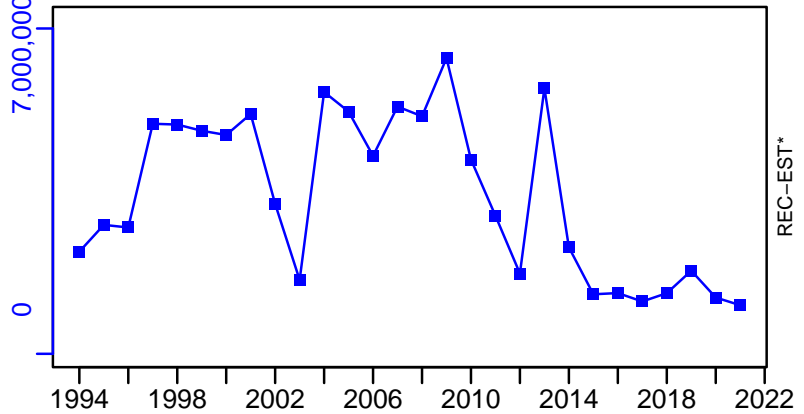
F-1/yr (1994-2021-HIVELY)



ER-calc-ratio (1994-2021-HIVELY)



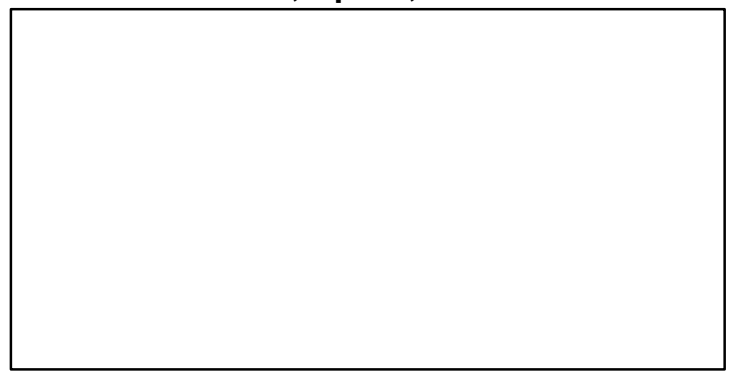
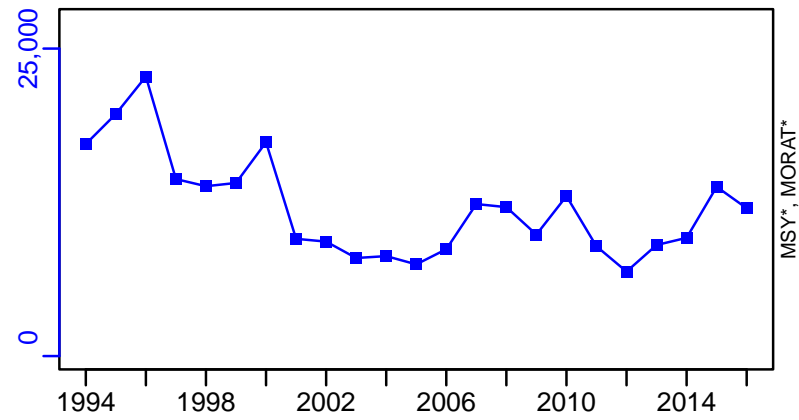
R-E00 (1994-2021-HIVELY)



Whiting Black Sea [WHITMEDGSA29]

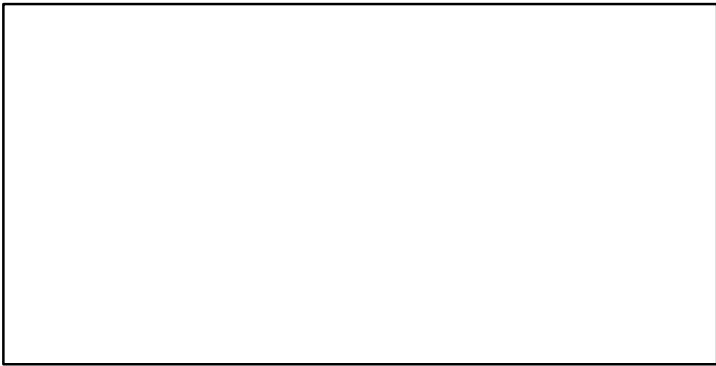
TC-MT, TL*, RecC* (1994-2016-MEDIMP2021-2)

TAC*, Cpair*, Cadv*



survB*

CPUE*



EFFORT*

TL-MT/MSY-est-MT, CdivMEANC-ratio, (1994-2021-HIVELY)

