

Mediterranean-Black Sea Stocks

v4.25 (Dec-14-2017)

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3. Anchovy South of Sicily [ANCHMEDGSA16]
4. Anchovy Adriatic Sea [ANCHMEDGSA17-18]
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20. Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]
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27. Giant red shrimp South Adriatic Sea and West Ionian Sea [GRSHRIMPEDGSA18-19]
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31. Hake Adriatic Sea [HAKEMEDGSA17-18]
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34. Hake Aegean Sea and Crete Island [HAKEMEDGSA22-23]
35. Hake Gulf of Lions [HAKEMEDGSA7]
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39. Norway lobster Northern Alboran Sea [NEPHMEDGSA1]
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41. Norway lobster Malta Island and South of Sicily [NEPHMEDGSA15-16]
42. Norway Lobster Balearic Island [NEPHMEDGSA5]
43. Norway lobster Northern Spain [NEPHMEDGSA6]
44. Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]
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48. Red Seabream Alboran Sea [RBRMMEDGSA1-3]
49. Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]
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51. Red shrimp Malta Island and South of Sicily [RDSHRMPMEDGSA15-16]
52. Red Shrimp Northern Spain [RDSHRMPMEDGSA6]
53. Red mullet Northern Alboran Sea [RMULLMEDGSA1]
54. Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]
55. Red mullet Sardinia [RMULLMEDGSA11]
56. Red mullet Malta Island and South of Sicily [RMULLMEDGSA15-16]
57. Red mullet Adriatic Sea [RMULLMEDGSA17-18]
58. Red mullet Western Ionian Sea [RMULLMEDGSA19]
59. Red mullet Cyprus Island [RMULLMEDGSA25]
60. Red mullet Black Sea [RMULLMEDGSA29]
61. Red mullet Balearic Island [RMULLMEDGSA5]
62. Red mullet Northern Spain [RMULLMEDGSA6]
63. Red mullet Gulf of Lions [RMULLMEDGSA7]
64. Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]
65. Deep-water rose shrimp Geographical Sub-Areas 9-11 [RSHRMPMEDGSA]
66. Deep-water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]
67. Deep-water Rose Shrimp GSA 12-16 [RSHRMPMEDGSA12-16]
68. Deep-water rose shrimp Geographical Sub-Areas 17-19 [RSHRMPMEDGSA17-19]
69. Deep-water rose shrimp Balearic Island [RSHRMPMEDGSA5]
70. European pilchard Northern Alboran Sea [SARDMEDGSA1]
71. Sardine South of Sicily [SARDMEDGSA16]
72. European pilchard Adriatic Sea [SARDMEDGSA17-18]
73. European pilchard Eastern Ionian Sea [SARDMEDGSA20]
74. European pilchard Aegean Sea [SARDMEDGSA22]
75. European pilchard Northern Spain [SARDMEDGSA6]
76. Sardine Gulf of Lions [SARDMEDGSA7]
77. European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]
78. Spiny Dogfish Black Sea [SDOGBLKGA29]
79. Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]
80. Spottail mantis shrimp Adriatic Sea [SMSHRMPMEDGSA17-18]
81. Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]
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83. Surmullet Balearic Island [SMULLMEDGSA5]
84. Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]
85. Common Sole Northern Adriatic Sea [SOLMEDGSA17]
86. Common sole Gulf of Lions [SOLMEDGSA7]
87. Sprat Black Sea [SPRBLKGA29]
88. Swordfish Mediterranean Sea [SWORDMED]
89. Thornback skate Black Sea [TBSKAMEDGSA29]
90. Turbot Black Sea [TURBLKGA29]
91. White anglerfish Geographical Sub-Areas 1-7 [WANGLGSA1-7]
92. Whiting Black Sea [WHITMEDGSA29]

Albacore tuna Mediterranean [ALBAMED]

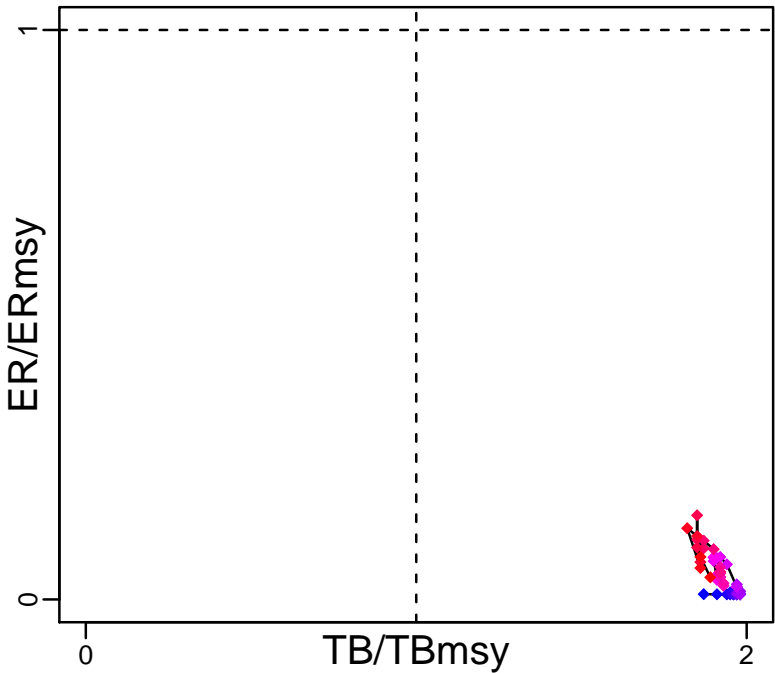
Metadata	
Scientific Name	Thunnus alalunga
Current Assess ID	ICCAT-ALBAMED-1956-2011-CHING
Area	Mediterranean Sea
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Asmts in RAM	2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-extr-MT	2011	167,158
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-calc-ratio	2011	0.17
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	TB0-MT	2011	322,000
SSB0	-	-	-
MSY	MSY-MT	2011	28,900
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

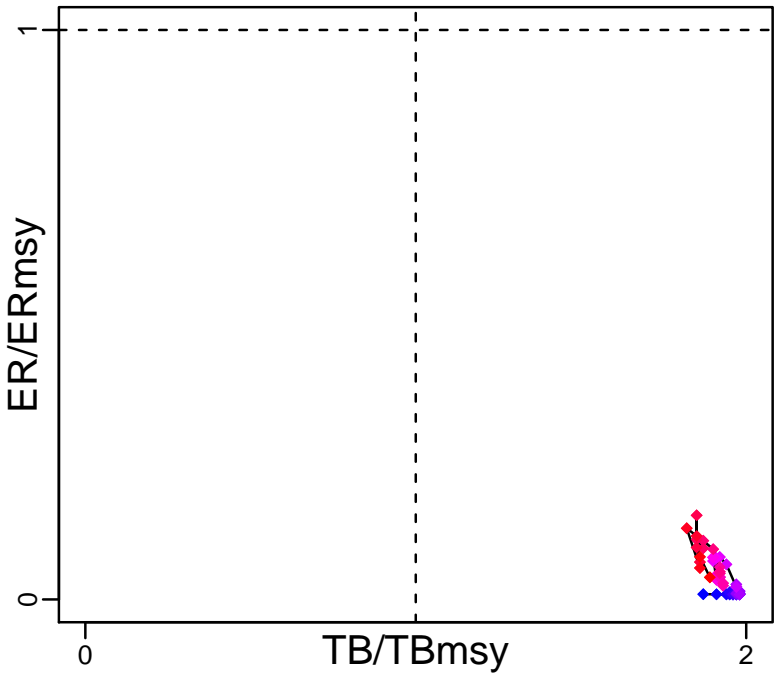
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	319,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	2120		
TL	-	-	-		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	1.91		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	0.06		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	0.04		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Albacore tuna Mediterranean [ALBAMED]

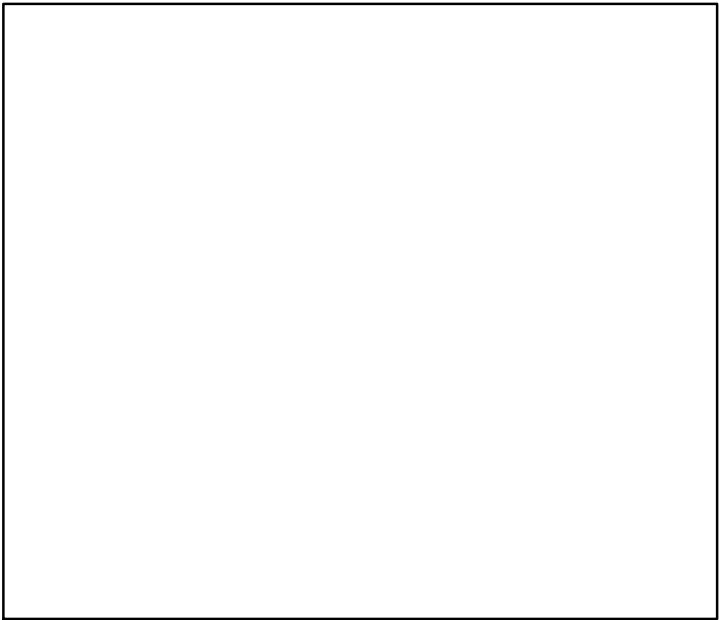
Kobe MSYpref (1956–2011–CHING)



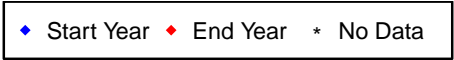
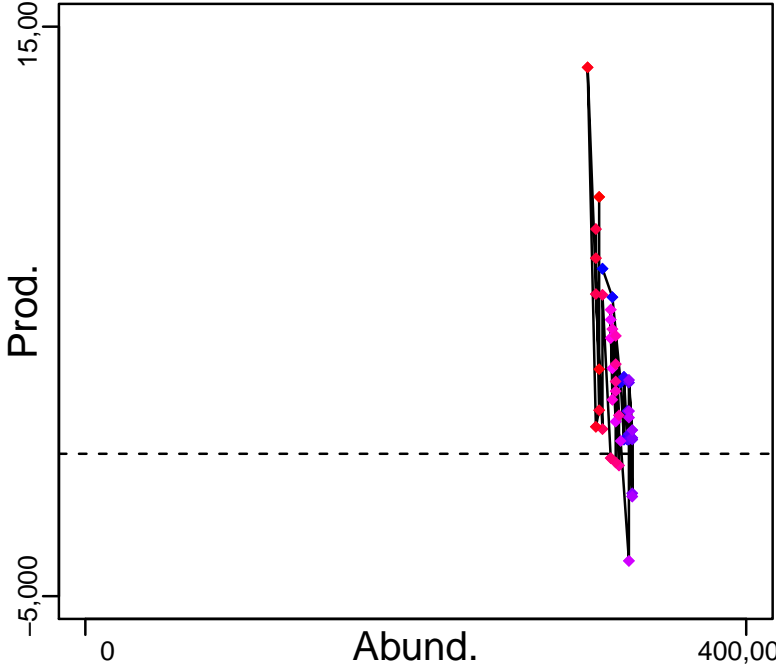
Kobe MGTpref (1956–2011–CHING)



Spawner Recruit*

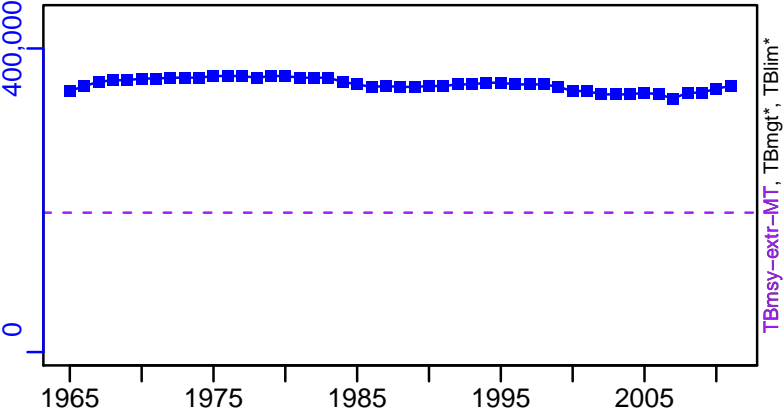


Production (1956–2011–CHING)



Albacore tuna Mediterranean [ALBAMED]

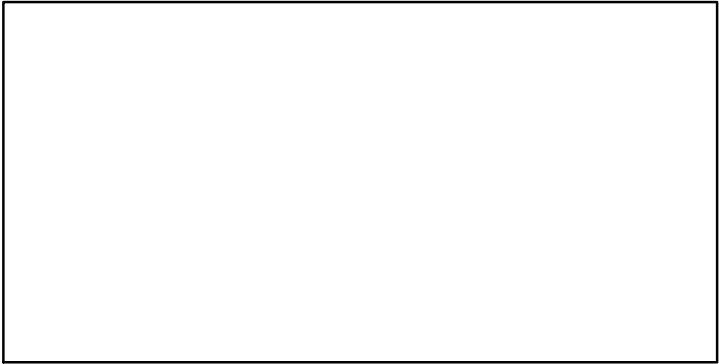
TB-MT (1956-2011-CHING)



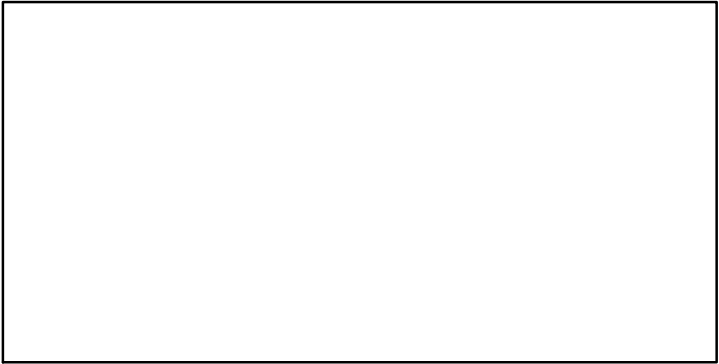
SSB*



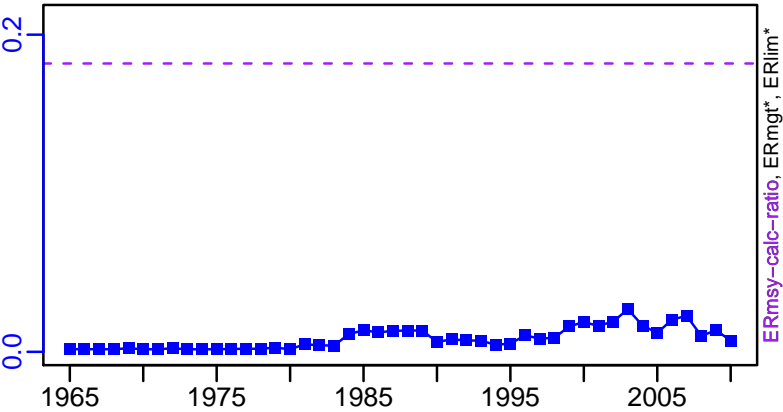
TN *



F*



ER-calc-ratio (1956-2011-CHING)

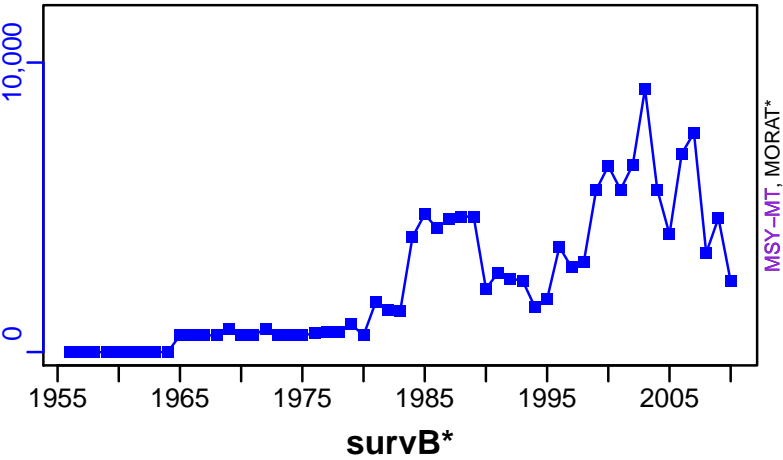


Recruits*



Albacore tuna Mediterranean [ALBAMED]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Anchovy Northern Alboran Sea [ANCHMEDGSA1]

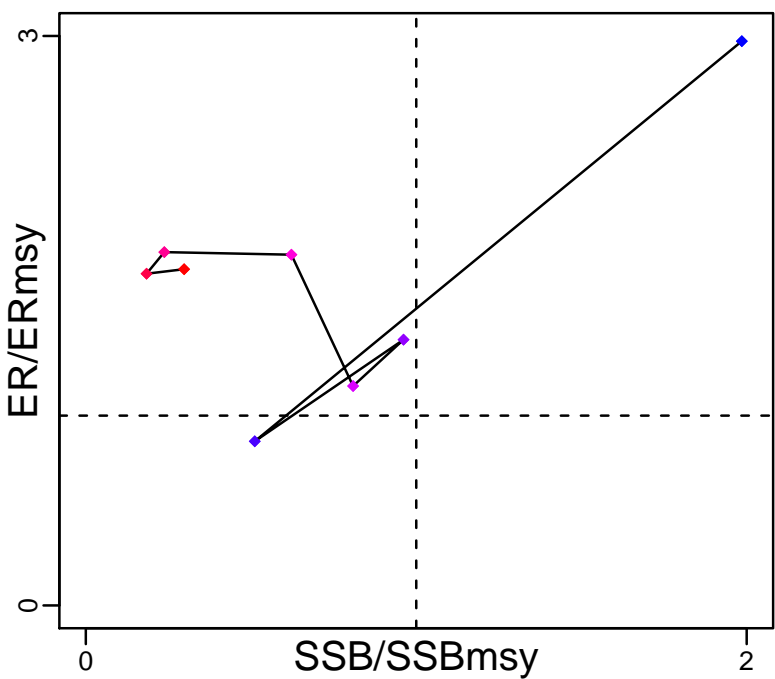
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA1-2002-2009-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2009	1768
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2009	0.2
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2009	0.45
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2009	554
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

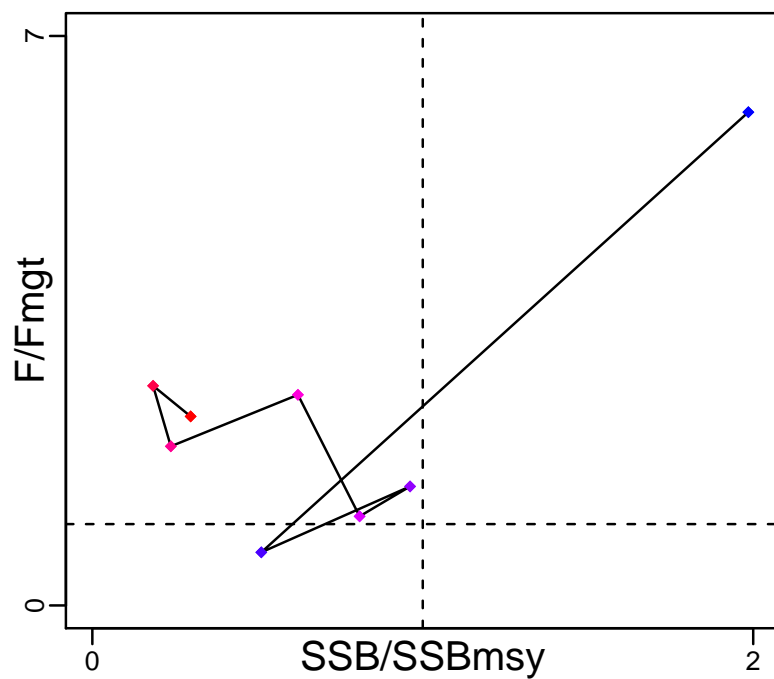
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2009	526	-	-
TN	-	-	-	-	-
R	R-E00	2009	1.56×10^8	-	-
F	F-1/yr	2009	1	-	-
ER	ER-calc-ratio	2009	0	-	-
TC	TC-MT	2009	292		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2009	0.3		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2009	1.77		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2009	2.32		
ER/ERmgt	-	-	-		

Anchovy Northern Alboran Sea [ANCHMEDGSA1]

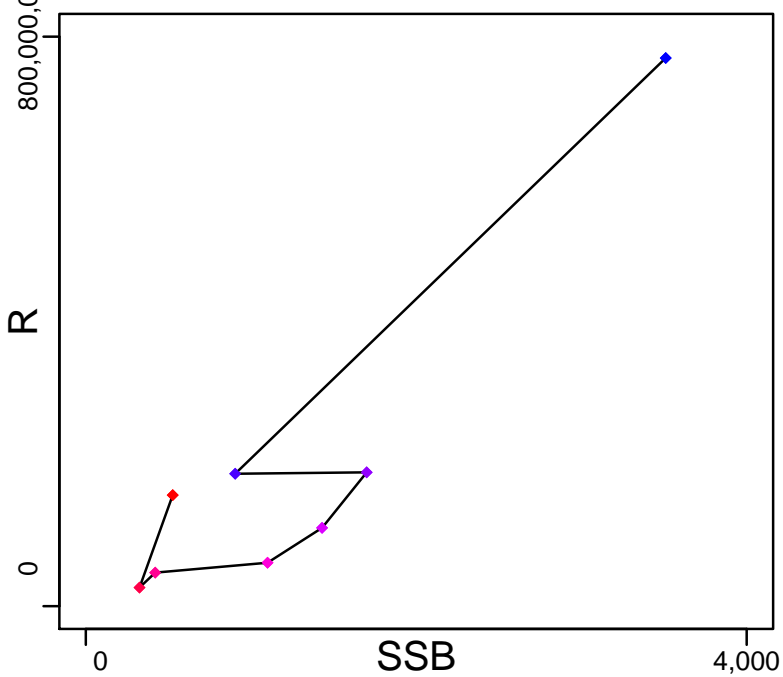
Kobe MSYpref (2002–2009–OSIO)



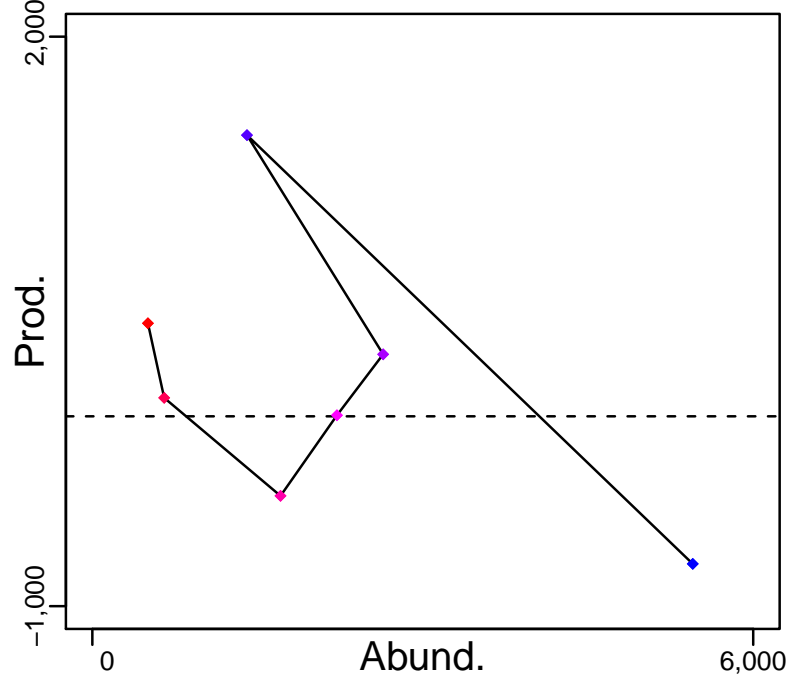
Kobe MGTpref (2002–2009–OSIO)



Spawner Recruit (2002–2009–OSIO)



Production (2002–2009–OSIO)



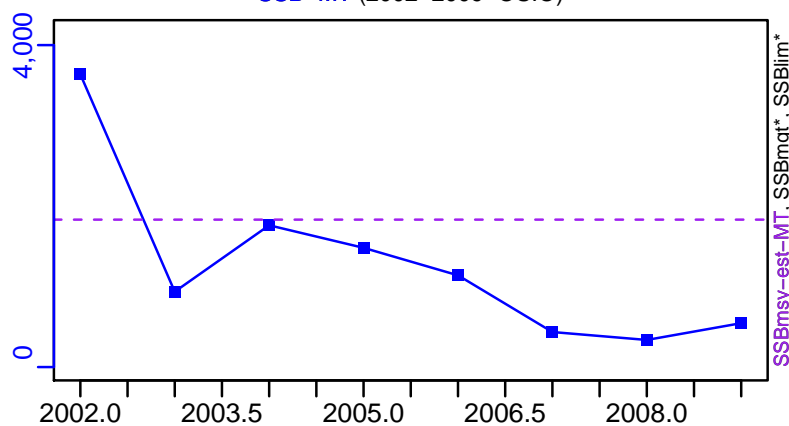
◆ Start Year ◆ End Year * No Data

Anchovy Northern Alboran Sea [ANCHMEDGSA1]

TB*



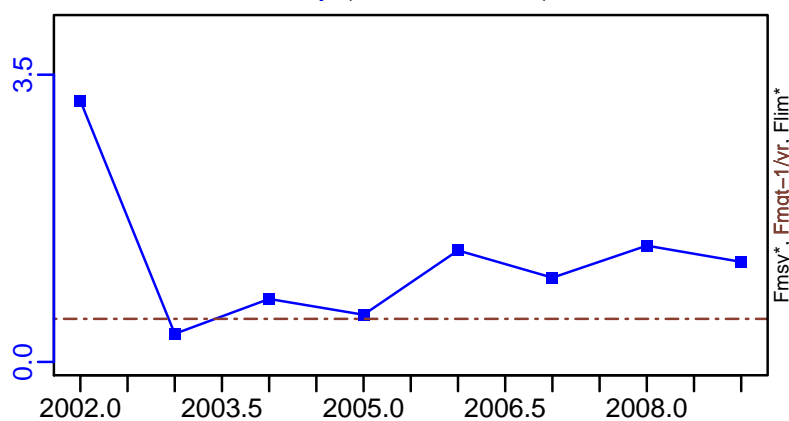
SSB-MT (2002–2009–OSIO)



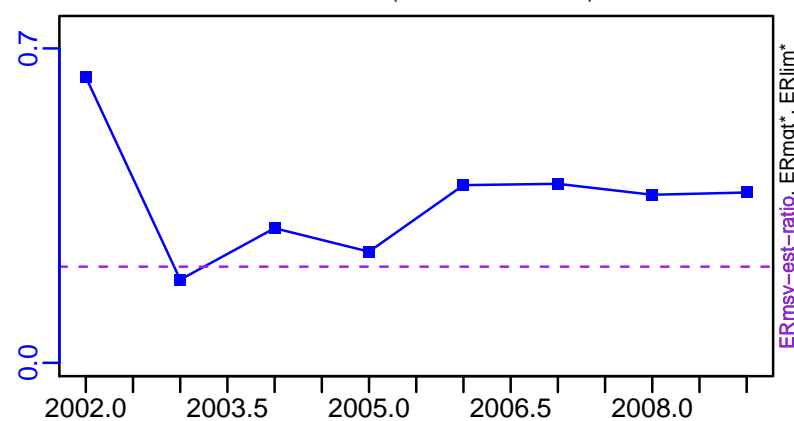
TN *



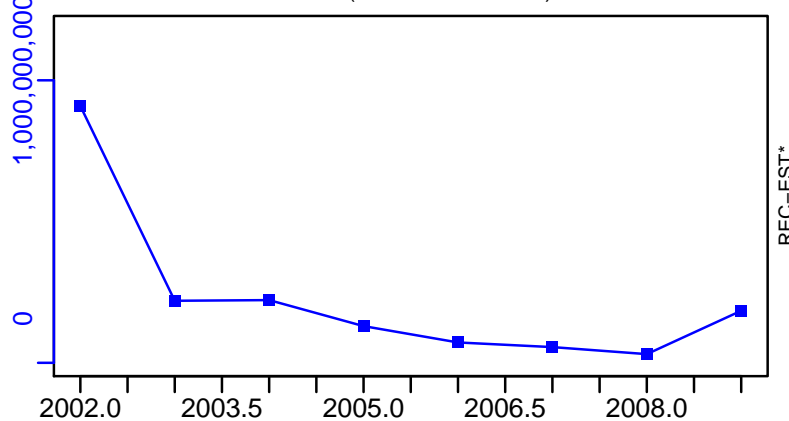
F-1/yr (2002–2009–OSIO)



ER-calc-ratio (2002–2009–OSIO)



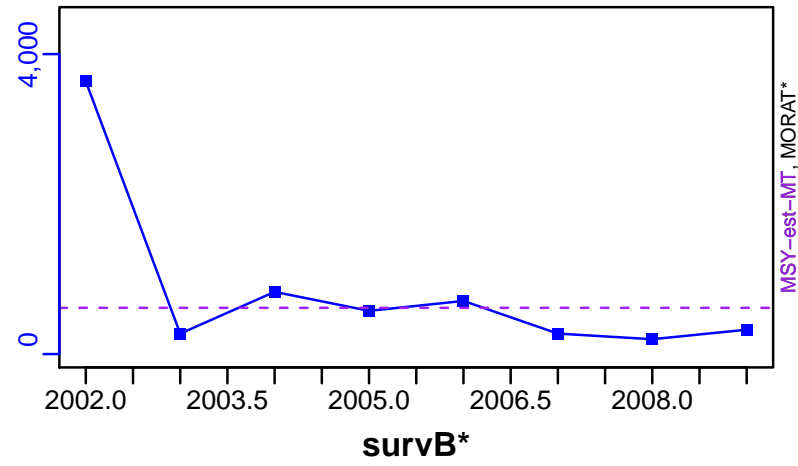
R-E00 (2002–2009–OSIO)



Anchovy Northern Alboran Sea [ANCHMEDGSA1]

TC-MT, TL*, RecC* (2002–2009–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Anchovy South of Sicily [ANCHMEDGSA16]

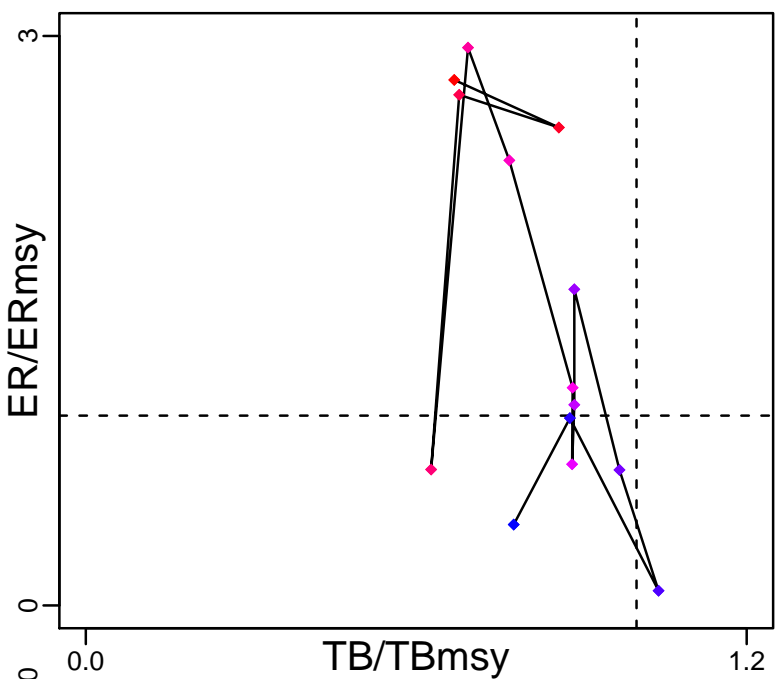
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA16-2004-2011-OSIO
Area	South of Sicily
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2011

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-MT	2011	14,152
SSBmsy	SSBmsy-est-MT	2011	13,084
Fmsy	Fmsy-1/yr	2011	0.17
ERmsy	ERmsy-calc-ratio	2011	0.17
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	2359
M	M-1/yr	2011	0.66
TBlim	TBlim-MT	2011	3130
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

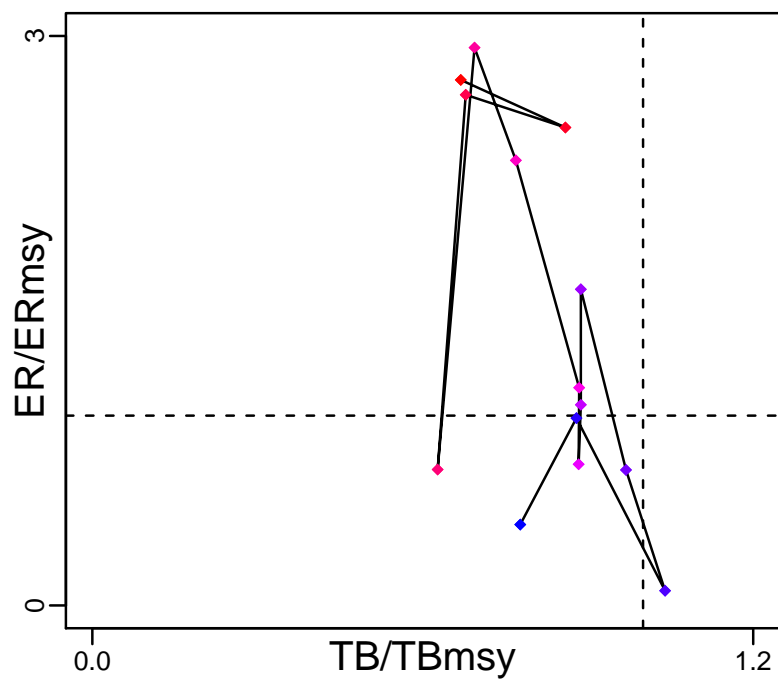
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	9470	-	-
SSB	SSB-MT	2011	10,700	-	0 to 5
TN	-	-	-	-	-
R	R-E00	2011	3.79×10^8	-	-
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	4370		
TL	-	-	-		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.67		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2011	0.82		
F/Fmsy	FdivFmsy-dimensionless	2011	1.62		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	2.77		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2011	9		
ER/ERmgt	-	-	-		

Anchovy South of Sicily [ANCHMEDGSA16]

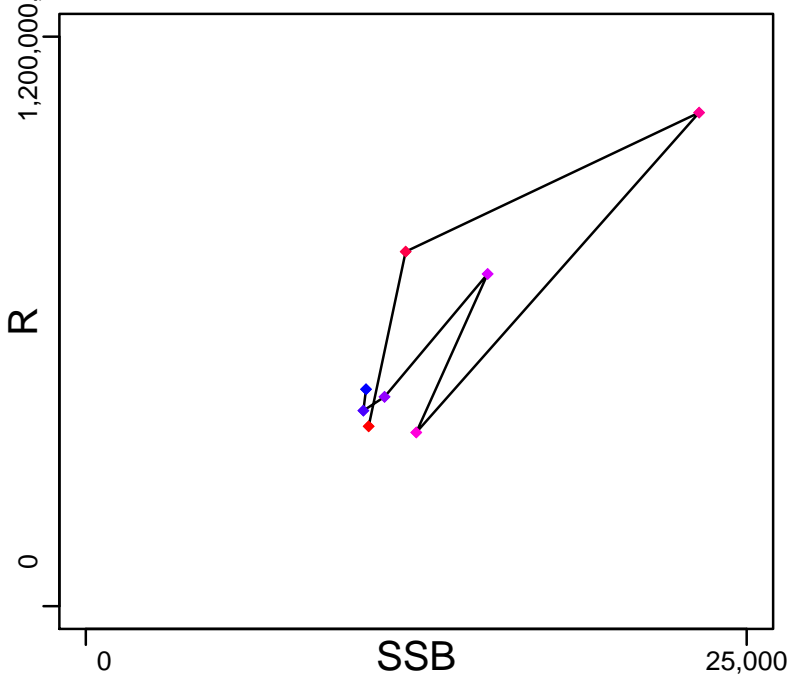
Kobe MSYpref (1998–2011–BANOB1)



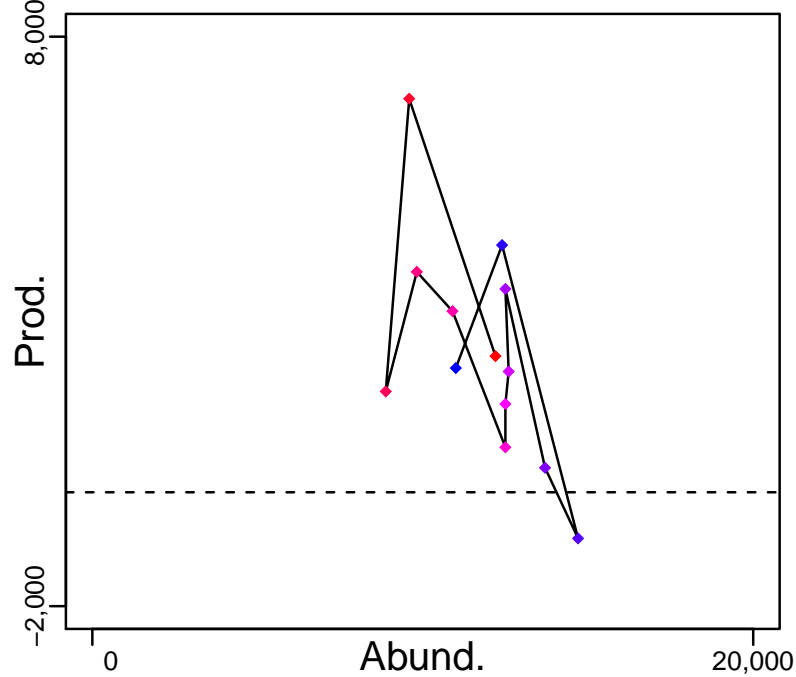
Kobe MGTpref (1998–2011–BANOB1)



Spawner Recruit (2004–2011–OSIO)



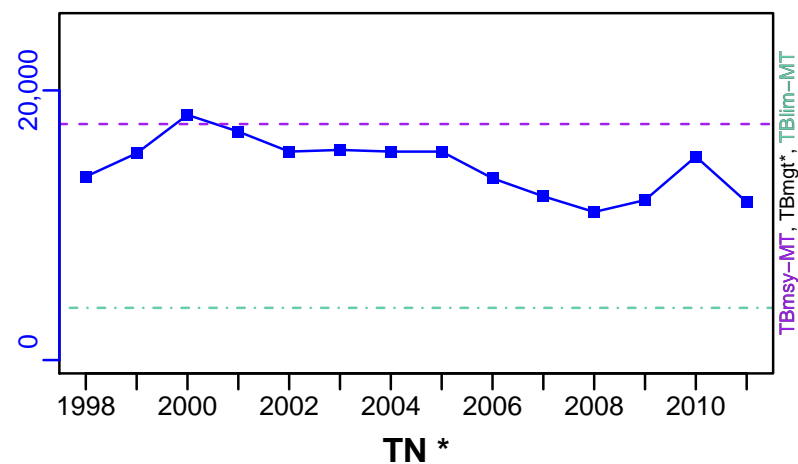
Production (1998–2011–BANOB1)



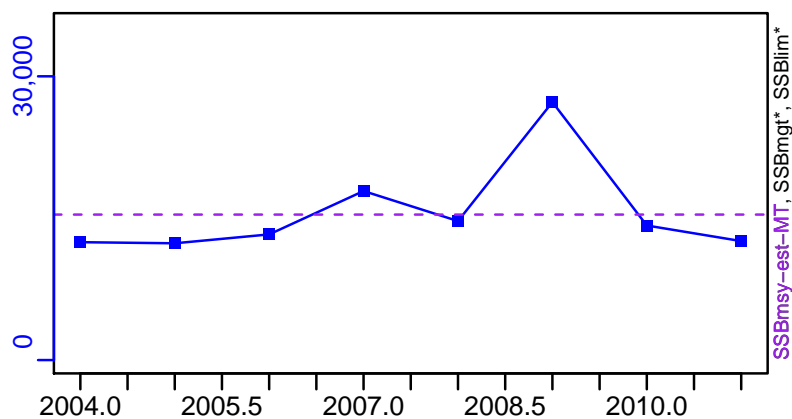
◆ Start Year ◆ End Year * No Data

Anchovy South of Sicily [ANCHMEDGSA16]

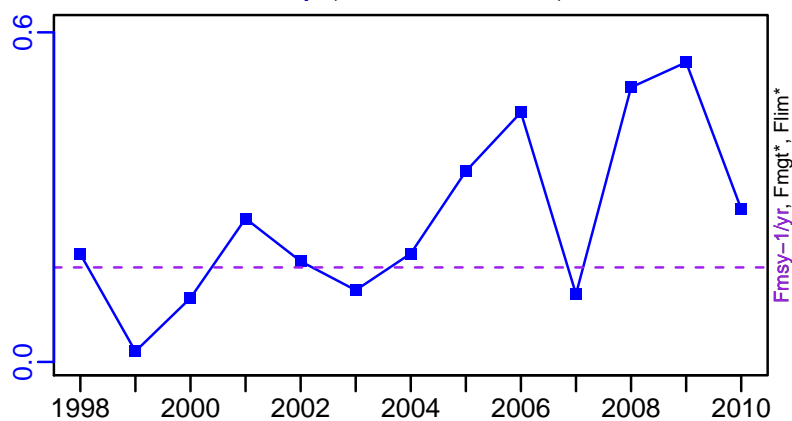
TB-MT (1998–2011–BANOB)



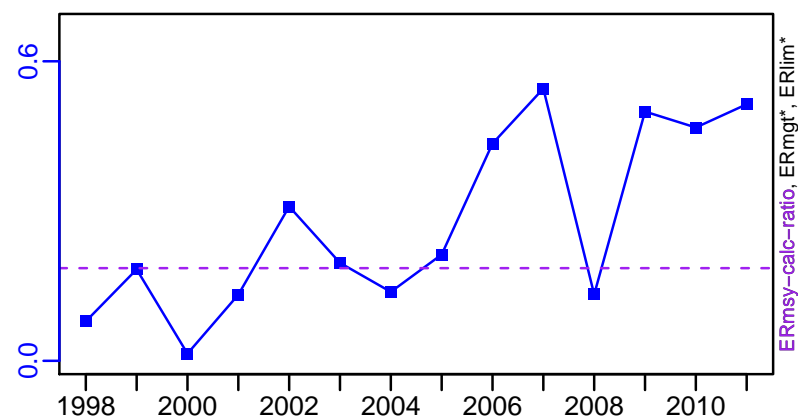
SSB-MT (2004–2011–OSIO)



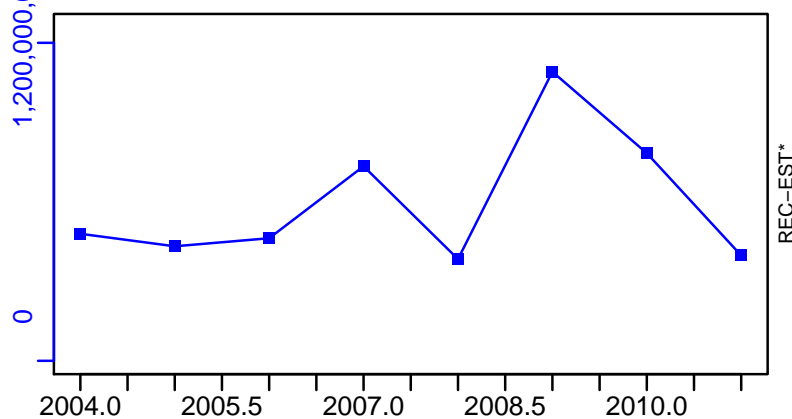
F-1/yr (1998–2011–BANOB)



ER-calc-ratio (1998–2011–BANOB)



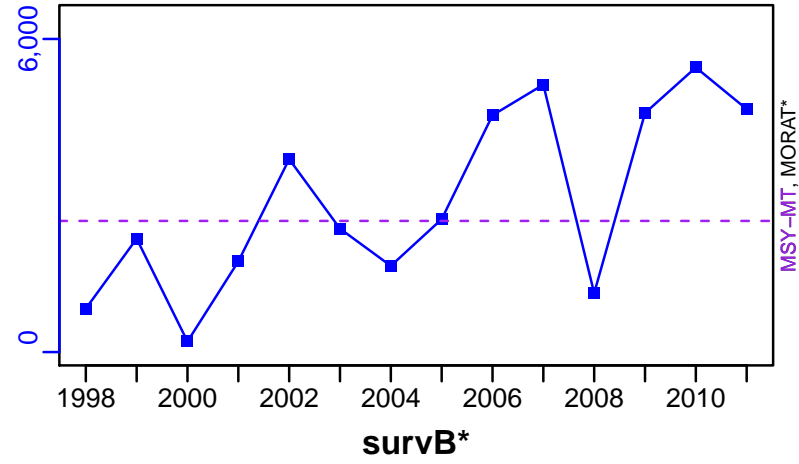
R-E00 (2004–2011–OSIO)



Anchovy South of Sicily [ANCHMEDGSA16]

TC-MT, TL*, RecC* (1998–2011–BANOB)

TAC*, Cpair*, Cadv*



EFFORT*



Anchovy Adriatic Sea [ANCHMEDGSA17-18]

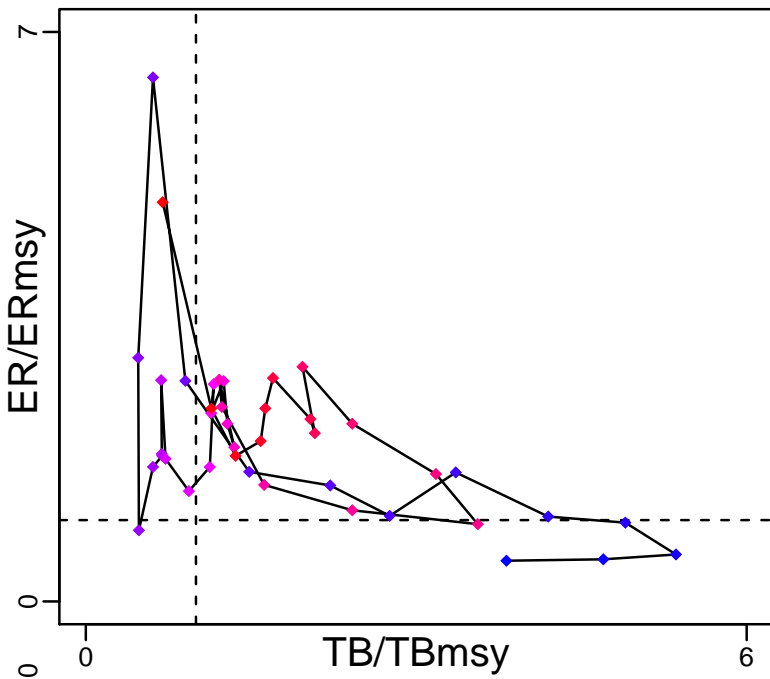
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA17-18-1975-2015-OSIO
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	500,149
SSBmsy	SSBmsy-est-MT	2013	453,518
Fmsy	Fmsy-1/yr	2015	0.48
ERmsy	ERmsy-est-ratio	2015	0.02
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.5
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	11,507
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

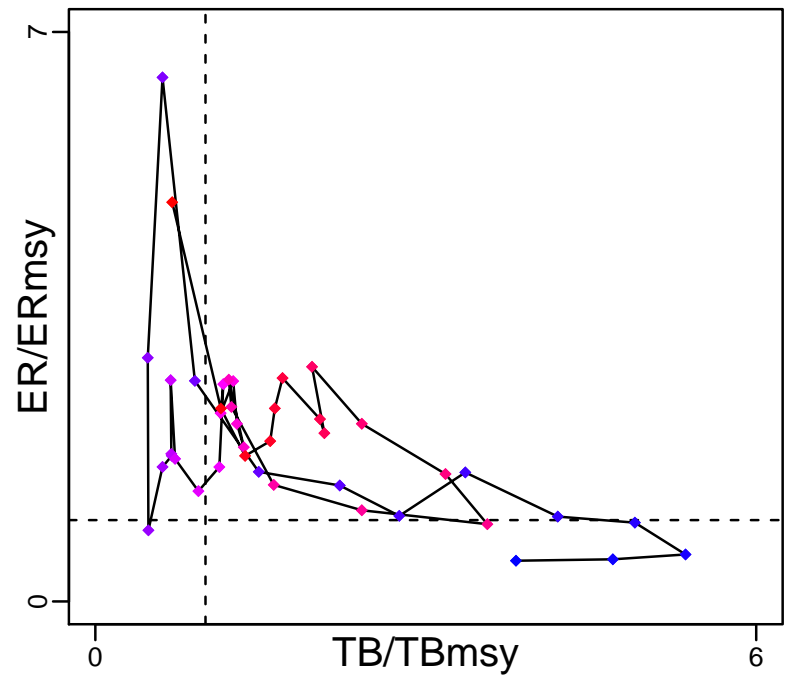
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
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SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	0.7		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	4.91		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Adriatic Sea [ANCHMEDGSA17-18]

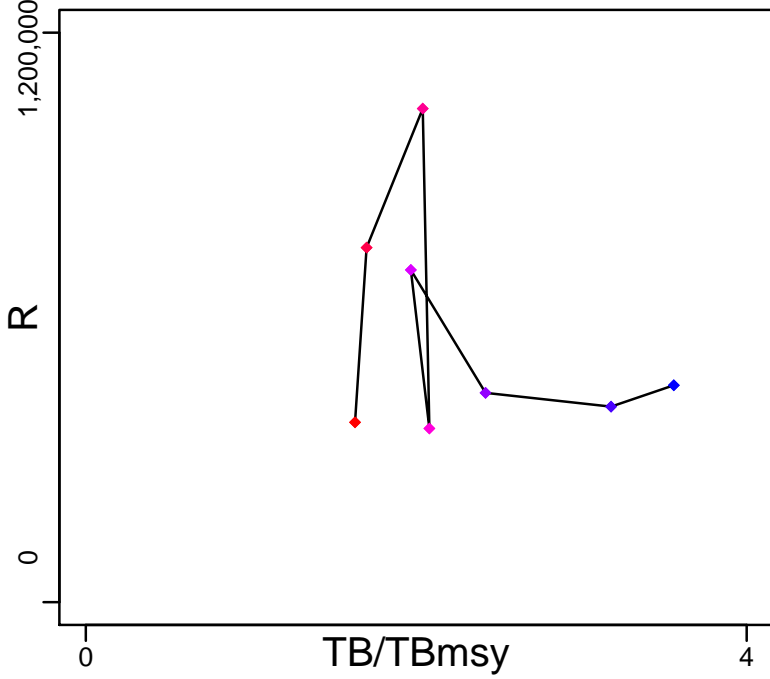
Kobe MSYpref (1975-2015-OSIO)



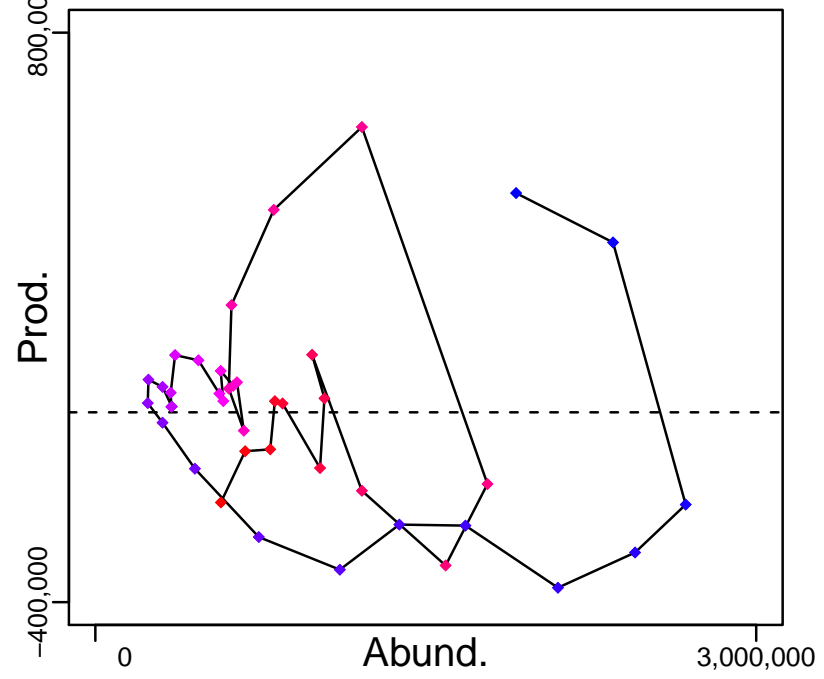
Kobe MGTpref (1975-2015-OSIO)



Spawner Recruit (1975-2015-OSIO)



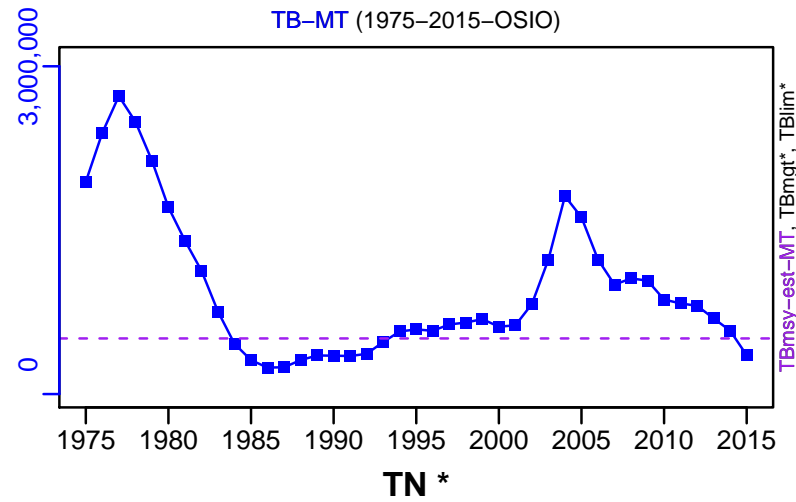
Production (1975-2015-OSIO)



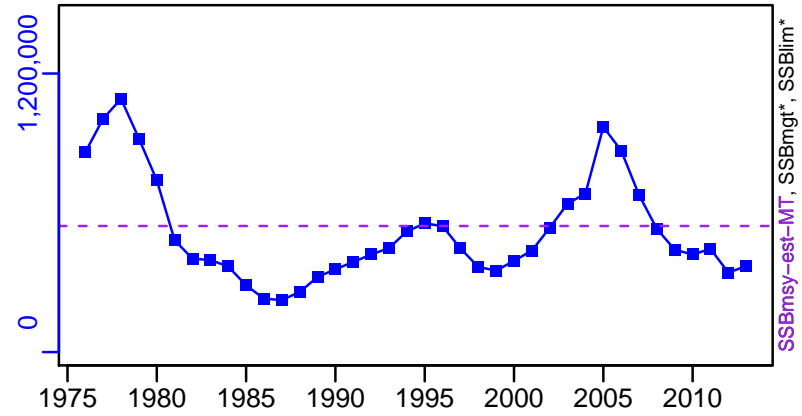
◆ Start Year ◆ End Year * No Data

Anchovy Adriatic Sea [ANCHMEDGSA17-18]

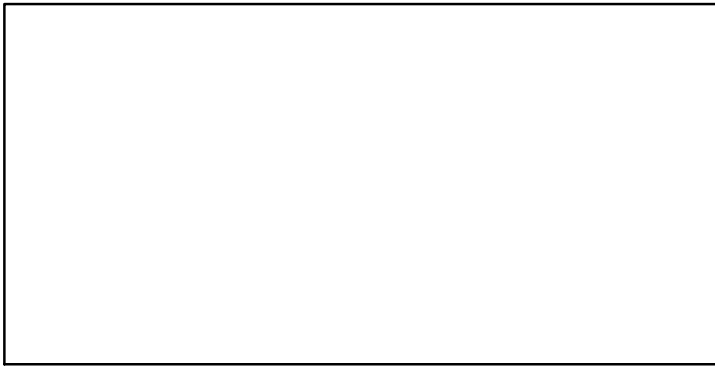
TB-MT (1975-2015-OSIO)



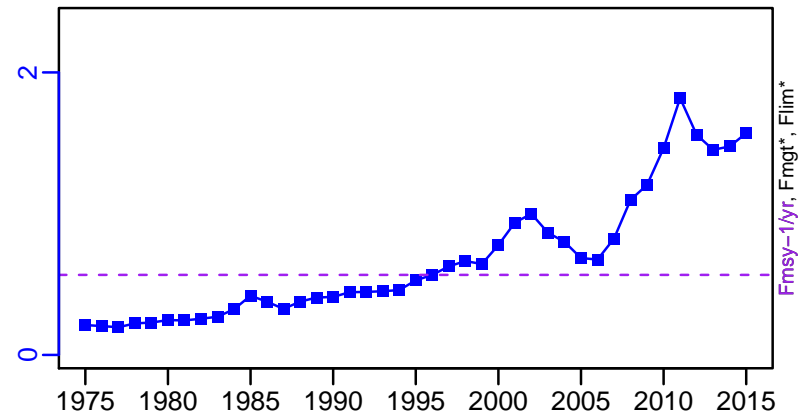
SSB-MT (1976-2013-OSIO)



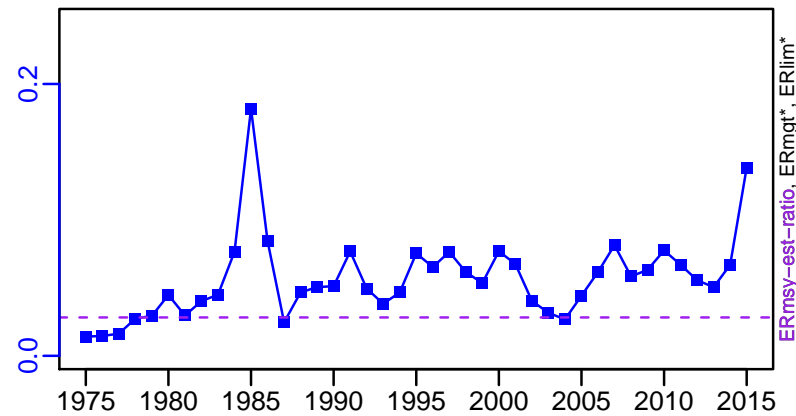
TN *



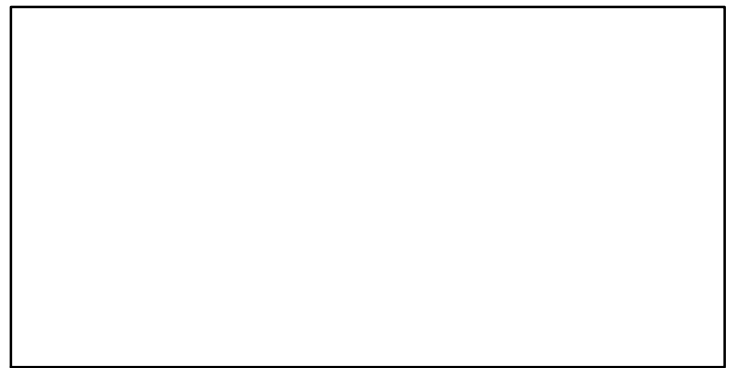
F-1/yr (1975-2015-OSIO)



ER-calc-ratio (1975-2015-OSIO)



Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

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

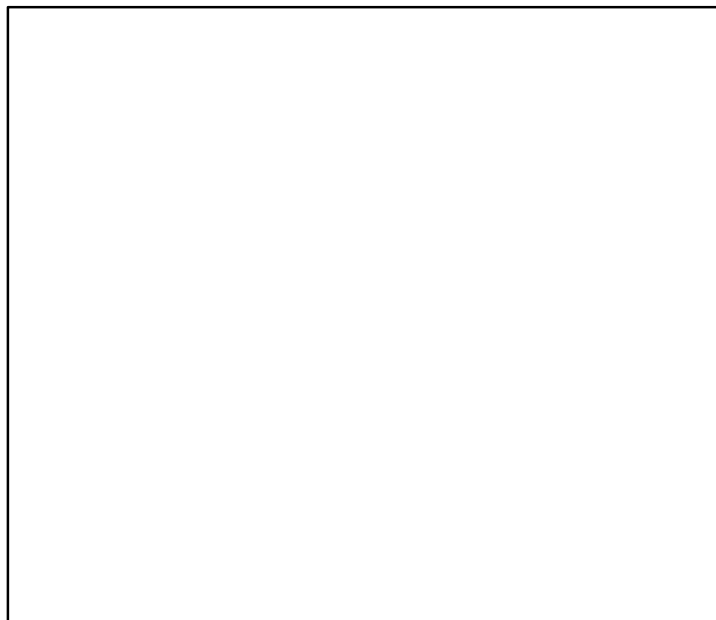
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

TB*



SSB*



TN *



F*



ER*



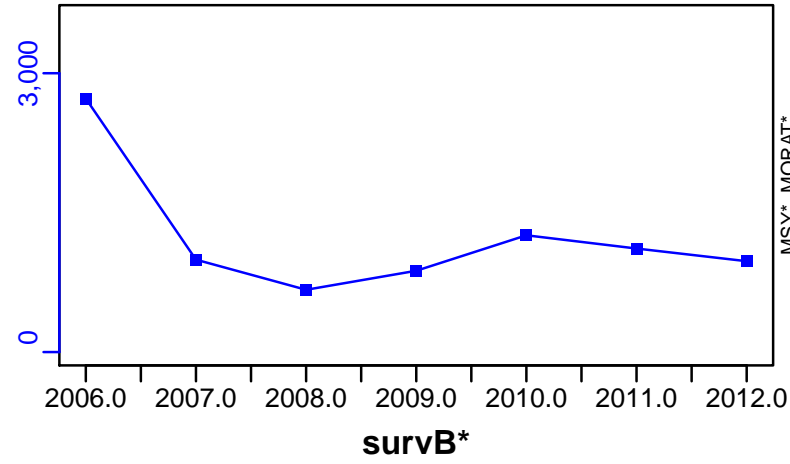
Recruits*



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	1	-	-
ER	ER-calc-ratio	2008	1	-	-
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]

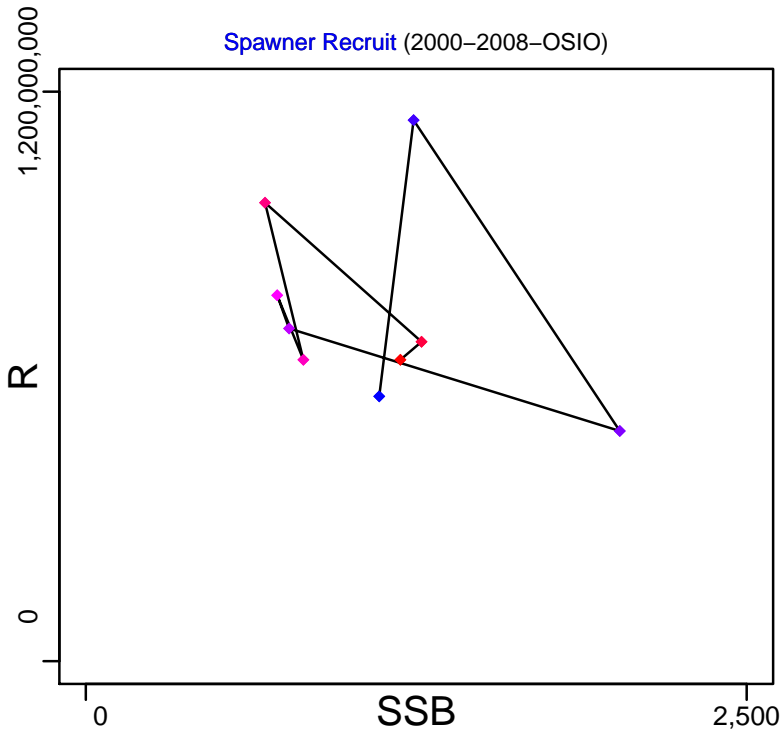
Kobe MSY*



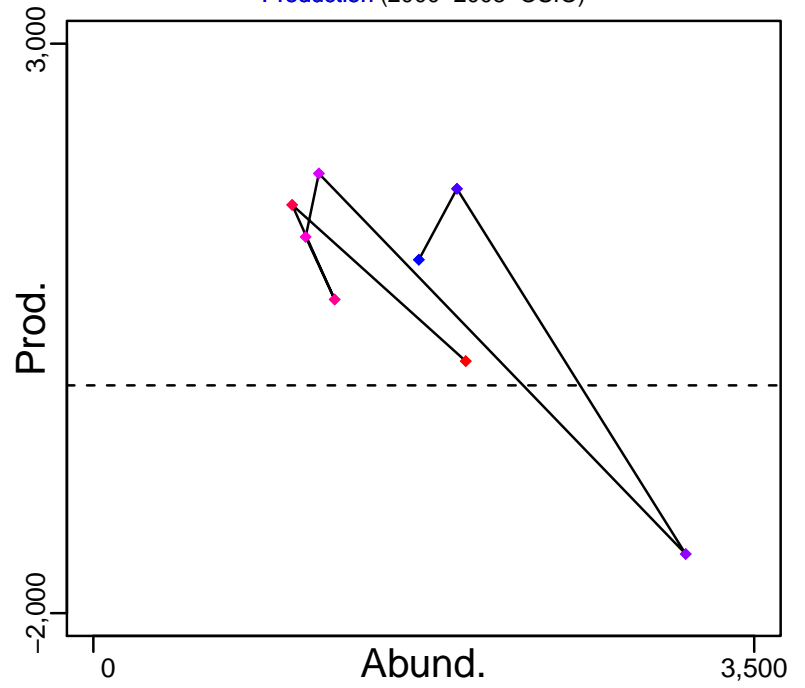
Kobe MGT*



Spawner Recruit (2000–2008–OSIO)



Production (2000–2008–OSIO)



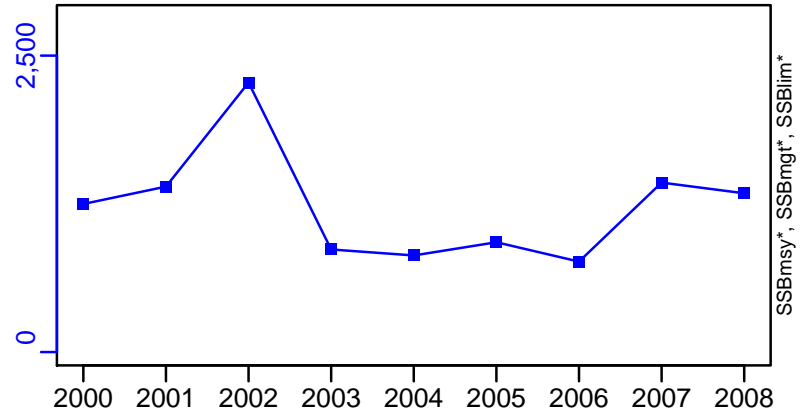
◆ Start Year ◆ End Year * No Data

Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

TB*



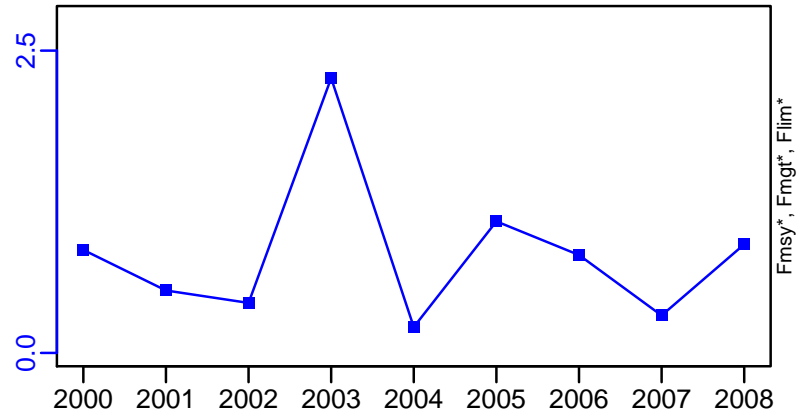
SSB-MT (2000–2008–OSIO)



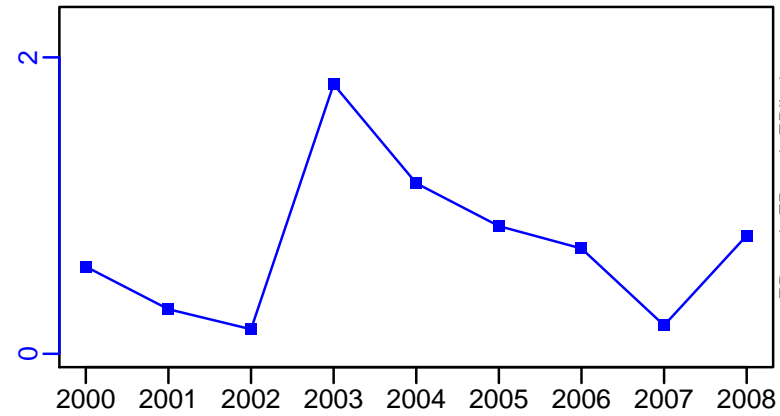
TN *



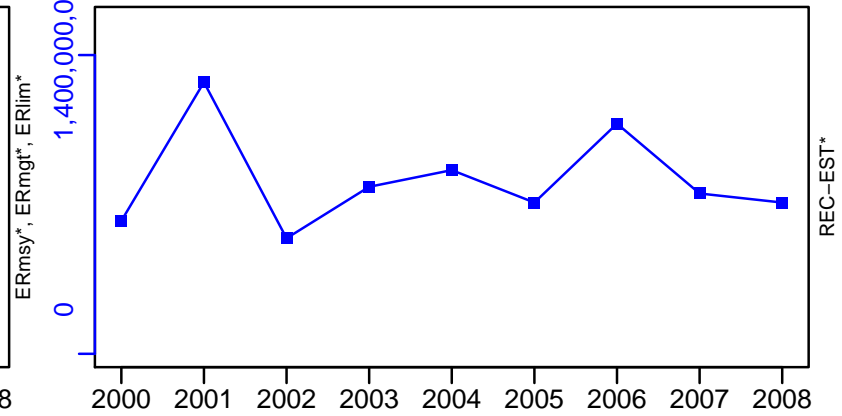
F-1/yr (2000–2008–OSIO)



ER-calc-ratio (2000–2008–OSIO)

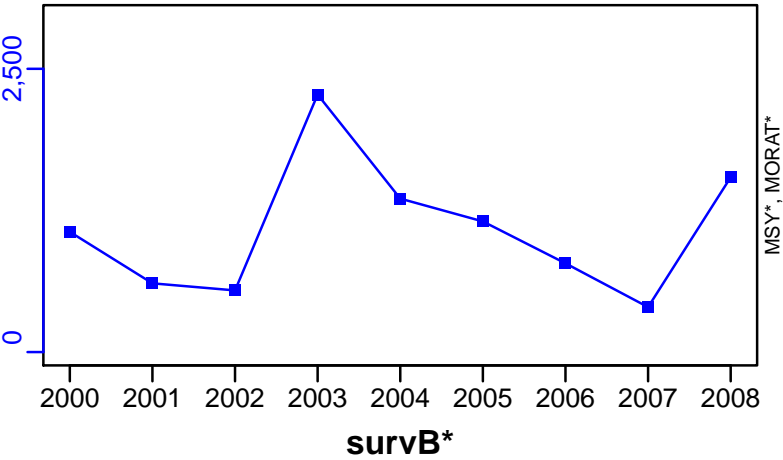


R-E00 (2000–2008–OSIO)



Anchovy Eastern Ionian Sea [ANCHMEDGSA20]

TC-MT, TL*, RecC* (2000–2008–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Anchovy Aegean Sea [ANCHMEDGSA22]

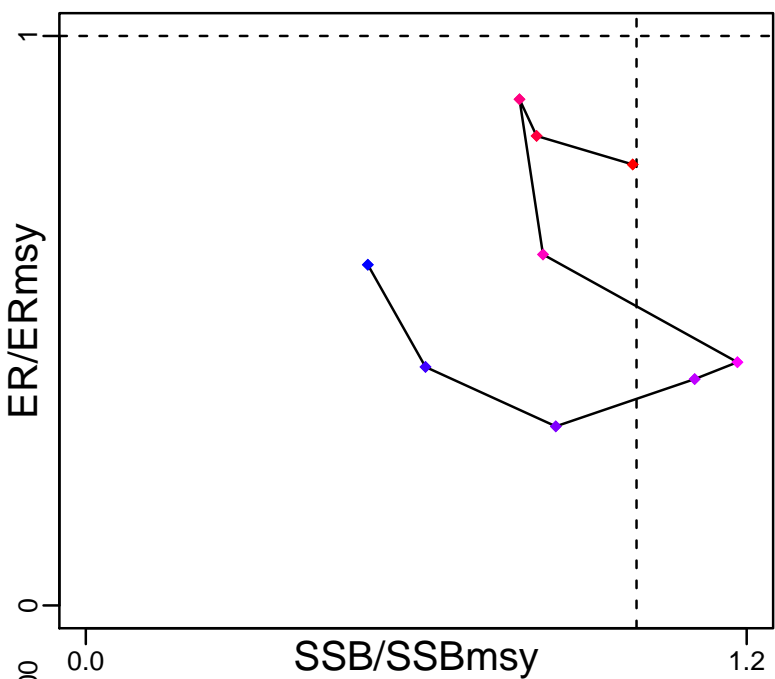
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA22-2000-2008-OSIO
Area	Aegean Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2008	25,779
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2008	0.8
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2008	31,860
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

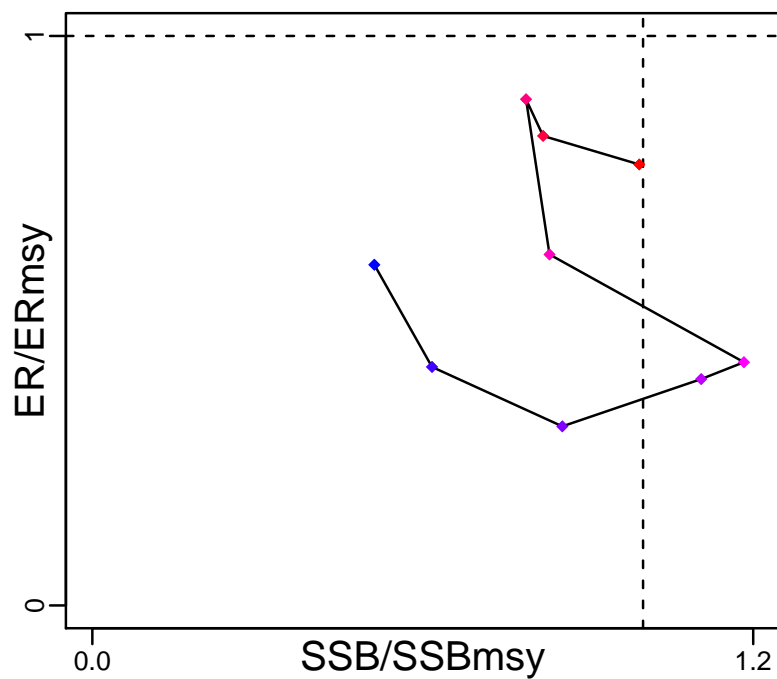
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	25,600	-	-
TN	-	-	-	-	-
R	R-E00	2008	3.84×10^{10}	-	-
F	F-1/yr	2008	1	-	-
ER	ER-calc-ratio	2008	1	-	-
TC	TC-MT	2008	24,500		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2008	0.99		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2008	0.77		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Aegean Sea [ANCHMEDGSA22]

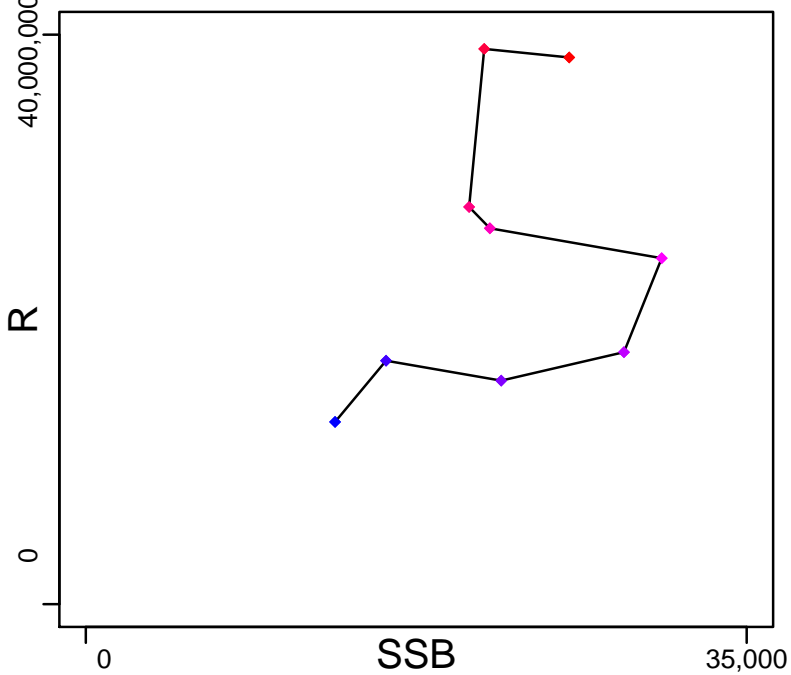
Kobe MSYpref (2000–2008–OSIO)



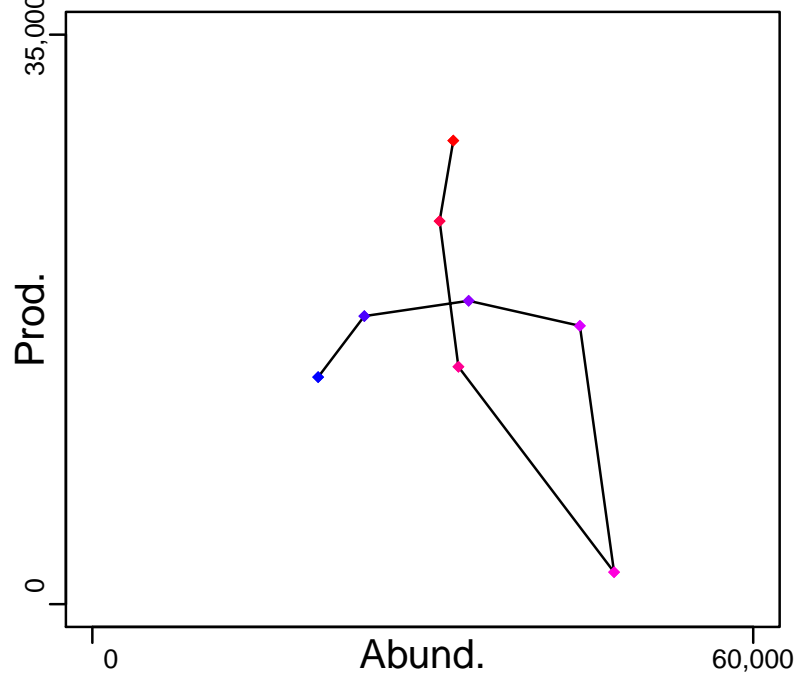
Kobe MGTpref (2000–2008–OSIO)



Spawner Recruit (2000–2008–OSIO)



Production (2000–2008–OSIO)



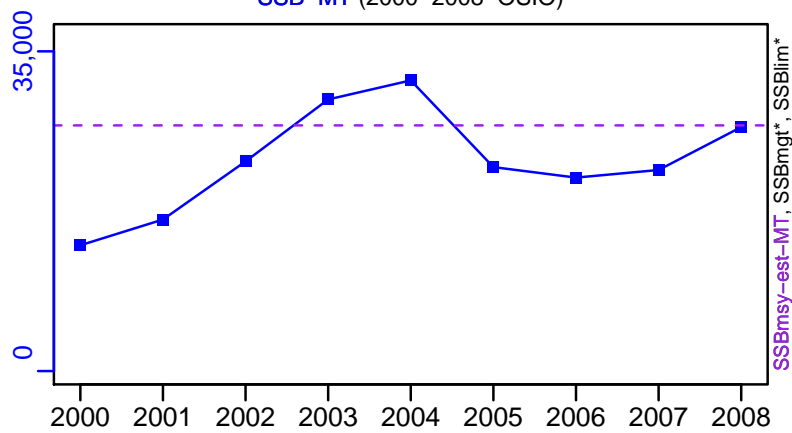
◆ Start Year ◆ End Year * No Data

Anchovy Aegean Sea [ANCHMEDGSA22]

TB*



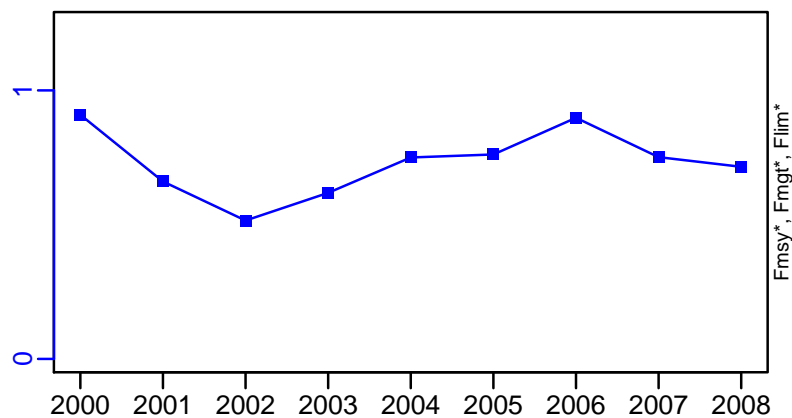
SSB-MT (2000–2008–OSIO)



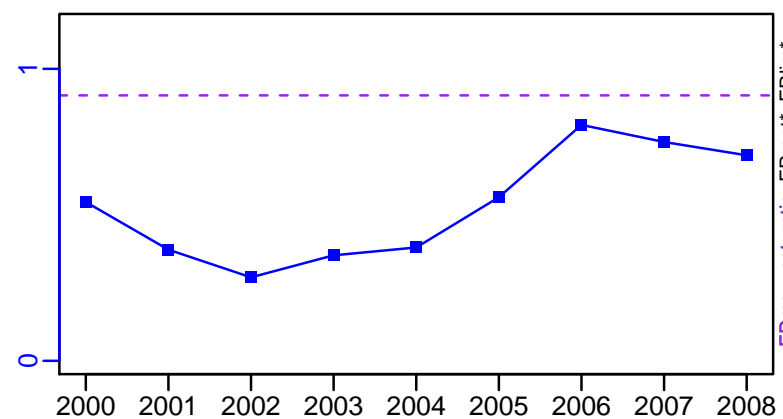
TN *



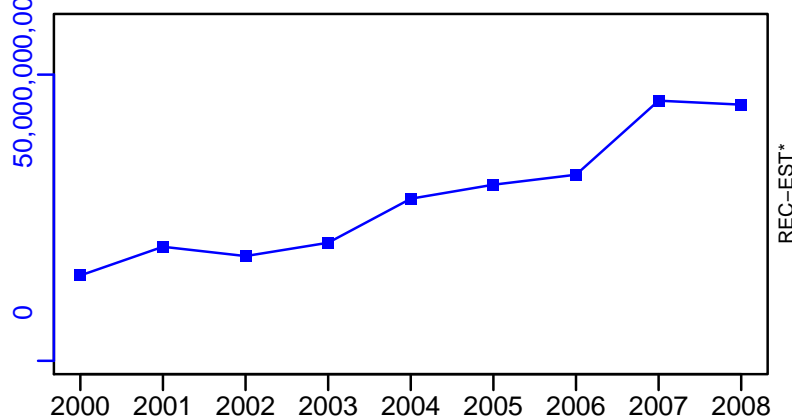
F-1/yr (2000–2008–OSIO)



ER-calc-ratio (2000–2008–OSIO)



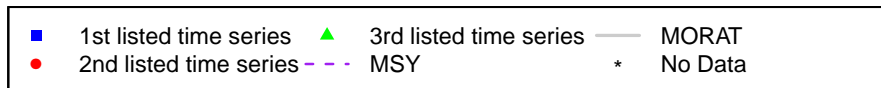
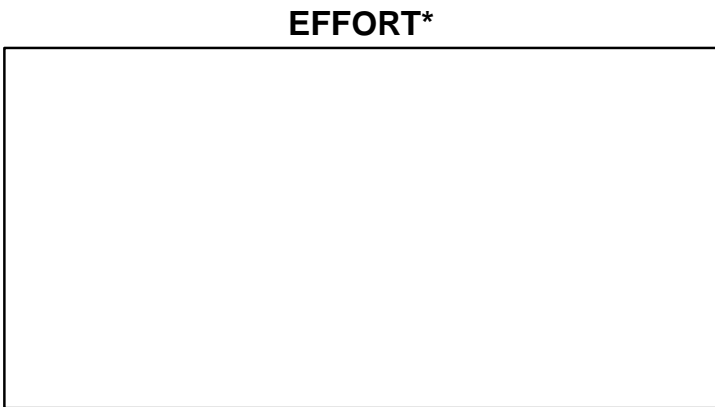
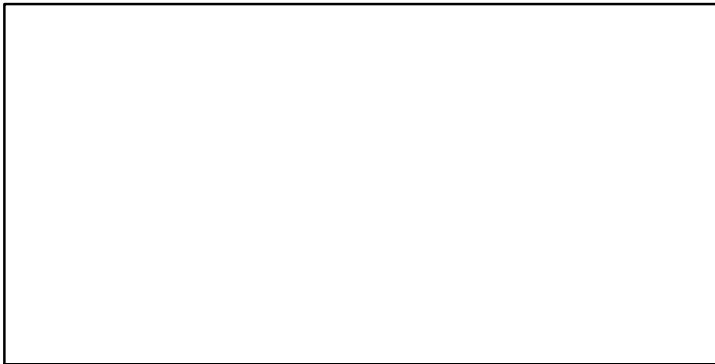
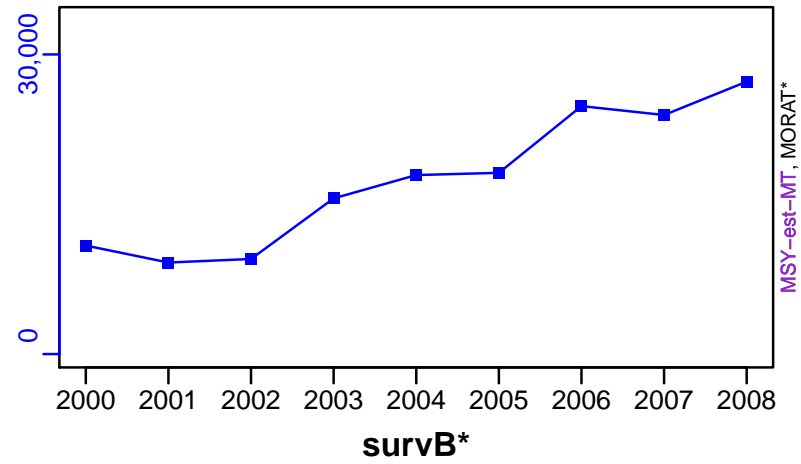
R-E00 (2000–2008–OSIO)



Anchovy Aegean Sea [ANCHMEDGSA22]

TC-MT, TL*, RecC* (2000–2008–OSIO)

TAC*, Cpair*, Cadv*



Anchovy Black Sea [ANCHMEDGSA29]

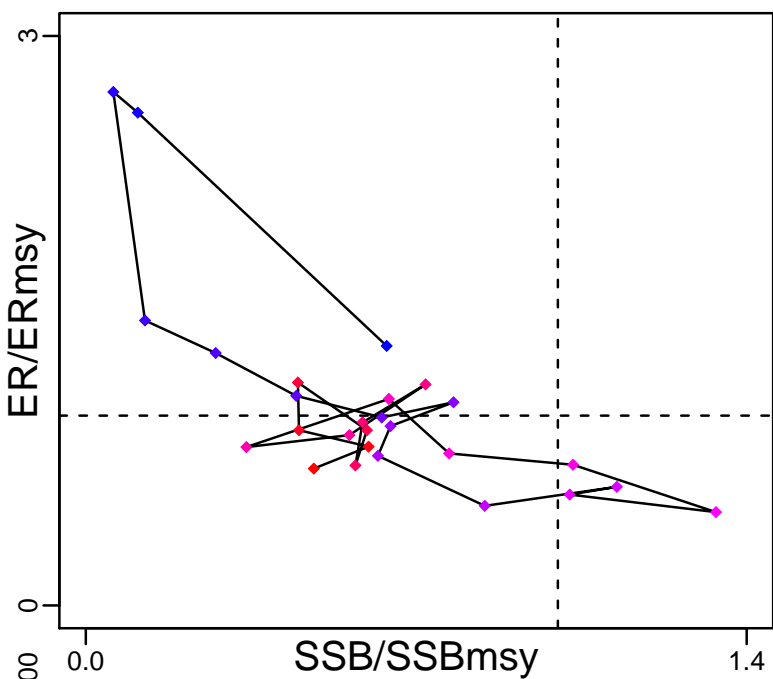
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA29-1988-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	861,376
Fmsy	Fmsy-1/yr	2014	0.49
ERmsy	ERmsy-est-ratio	2014	0.32
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.49
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	451,033
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

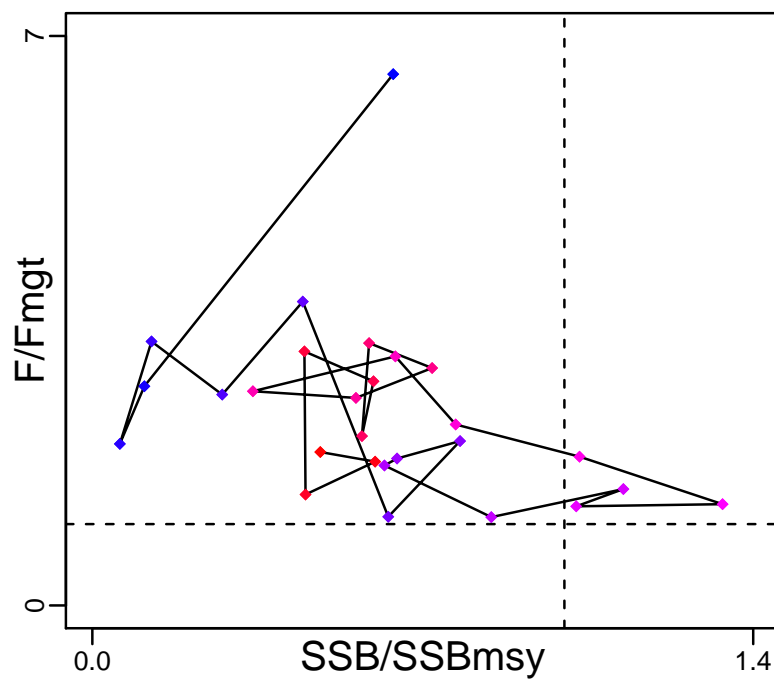
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	416,000	-	1+
TN	-	-	-	-	-
R	R-E00	2014	1.68×10^{11}	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	157,000		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.48		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.89		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.72		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.89		
ER/ERmgt	-	-	-		

Anchovy Black Sea [ANCHMEDGSA29]

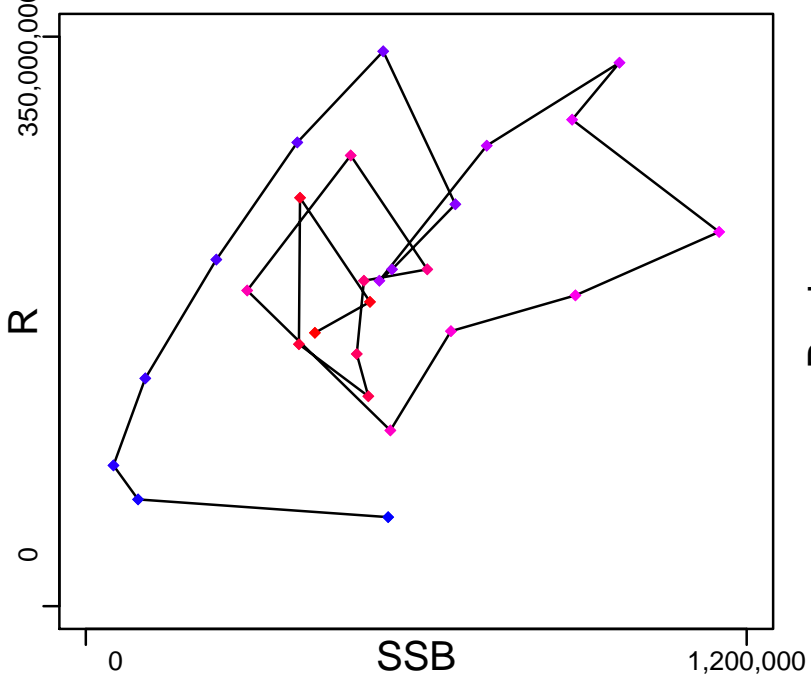
Kobe MSYpref (1988–2014–OSIO)



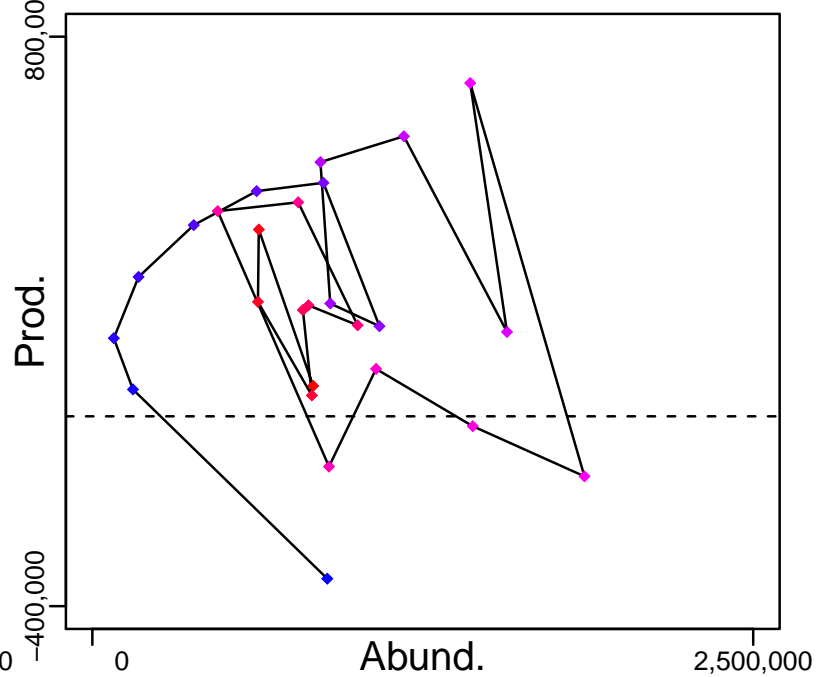
Kobe MGTpref (1988–2014–OSIO)



Spawner Recruit (1988–2014–OSIO)



Production (1988–2014–OSIO)



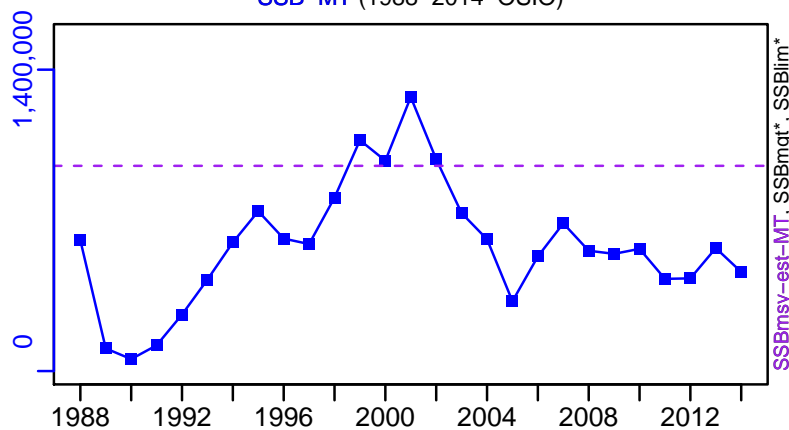
◆ Start Year ◆ End Year * No Data

Anchovy Black Sea [ANCHMEDGSA29]

TB*



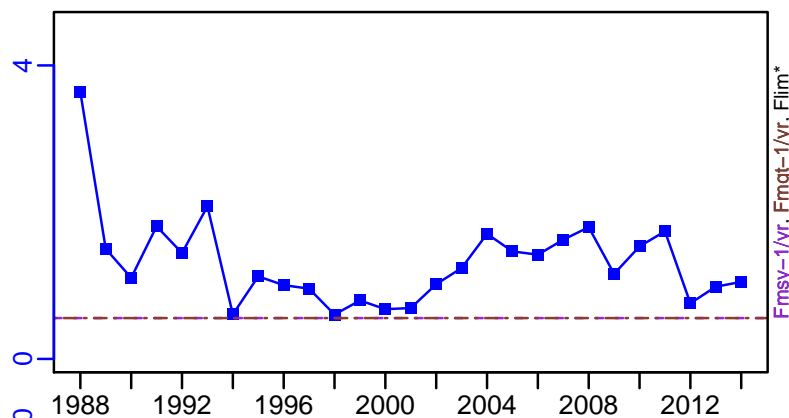
SSB-MT (1988–2014–OSIO)



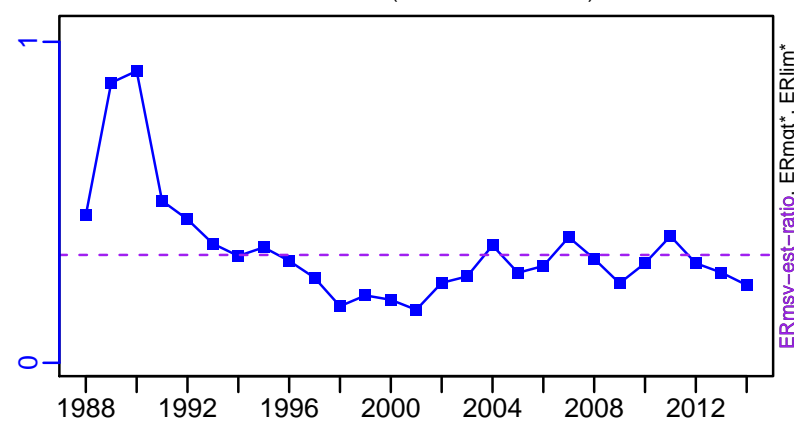
TN *



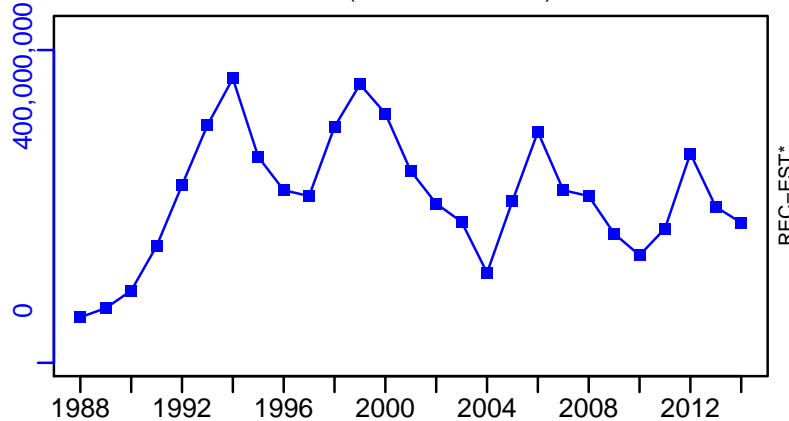
F-1/yr (1988–2014–OSIO)



ER-calc-ratio (1988–2014–OSIO)

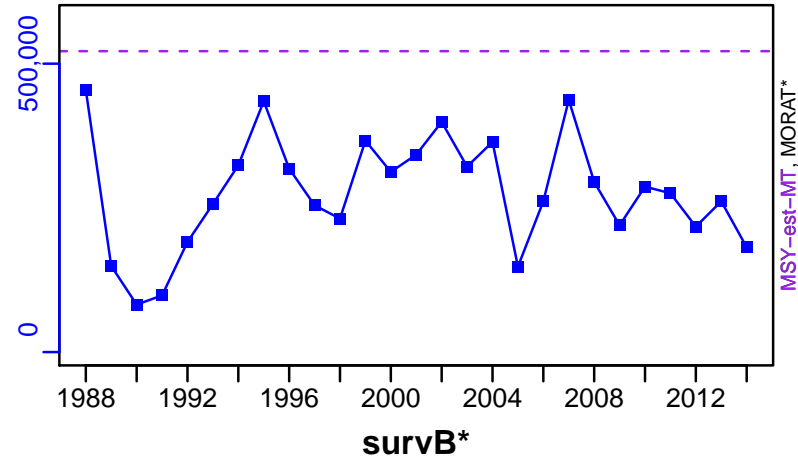


R-E00 (1988–2014–OSIO)



Anchovy Black Sea [ANCHMEDGSA29]

TC-MT, TL*, RecC* (1988–2014–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Anchovy Northern Spain [ANCHMEDGSA6]

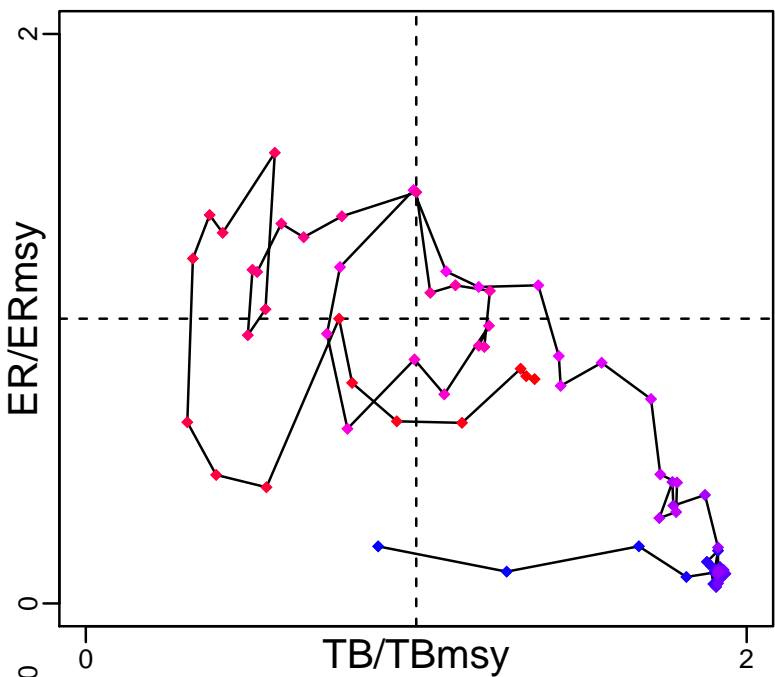
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA6-1945-2015-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2009

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	35,489
SSBmsy	SSBmsy-est-MT	2009	23,581
Fmsy	Fmsy-1/yr	2015	0.39
ERmsy	ERmsy-est-ratio	2015	0.45
TBmgt	TBmgt-MT	2015	45,440
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	15,837
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

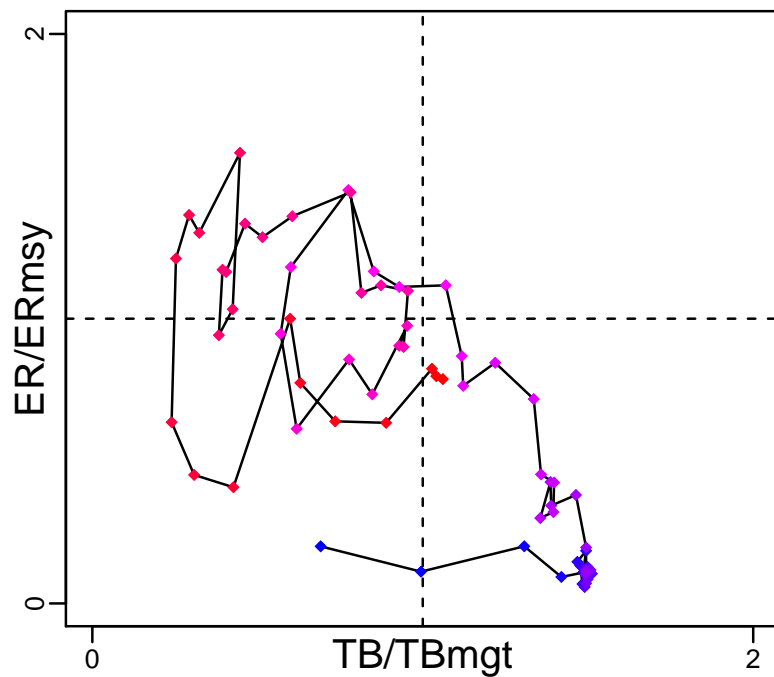
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	48,200	-	-
SSB	SSB-MT	2009	26,500	-	-
TN	-	-	-	-	-
R	R-E00	2009	1.38×10^9	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2009	9810		
TL	TL-MT	2015	16,900		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	1.36		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2009	1.12		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.89		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.79		
TB/TBmgt	TB-MT/TBmgt-MT	2015	1.06		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Northern Spain [ANCHMEDGSA6]

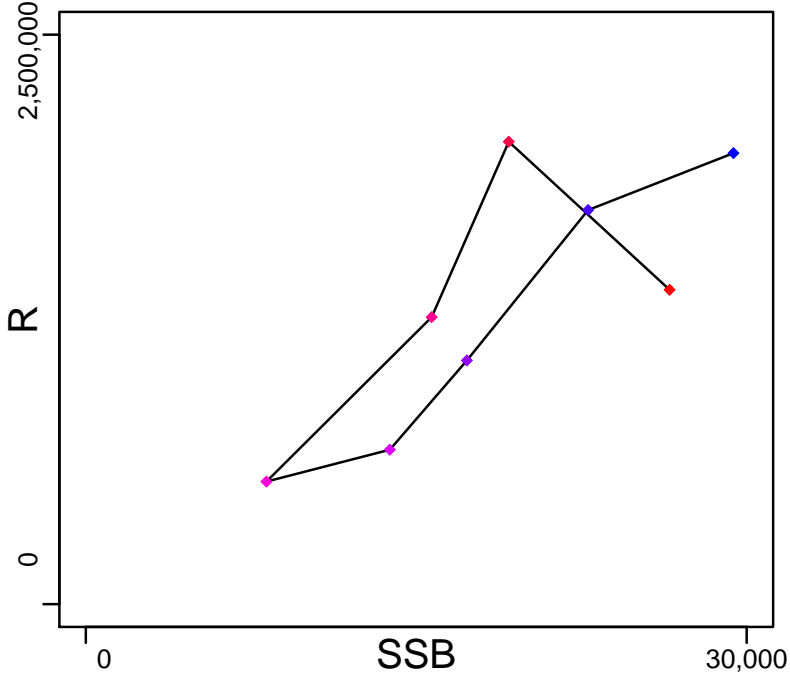
Kobe MSYpref (1945–2015–OSIO)



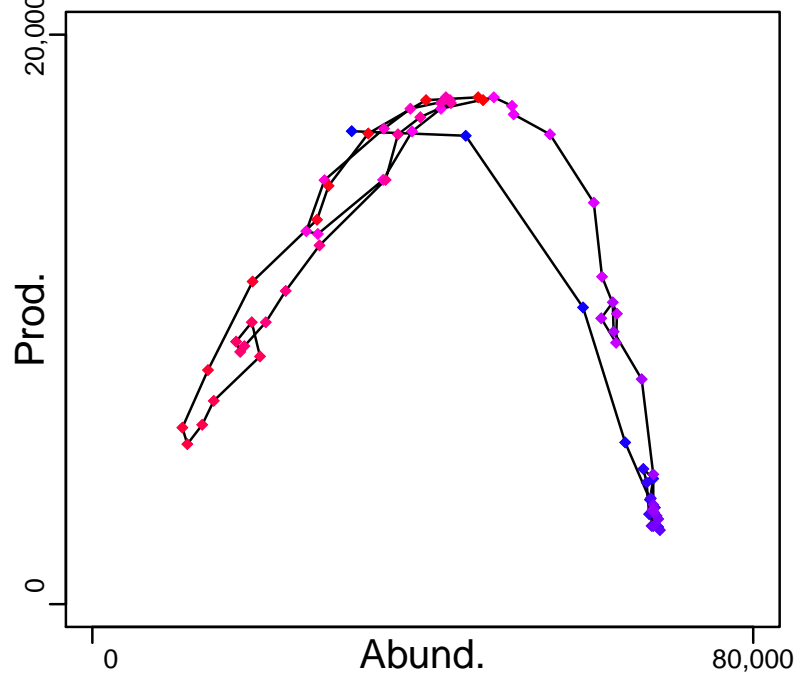
Kobe MGTpref (1945–2015–OSIO)



Spawner Recruit (2002–2009–OSIO)

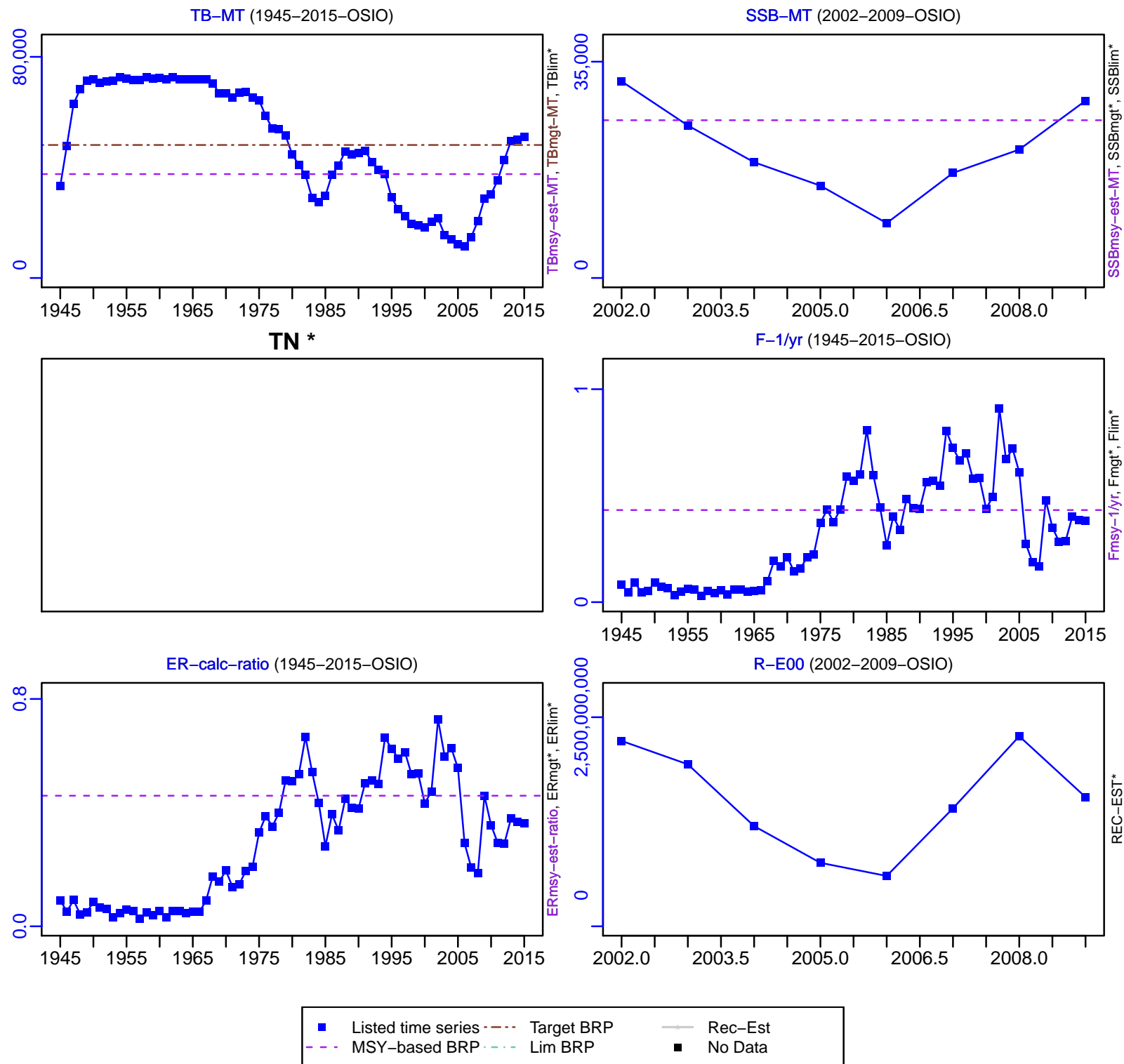


Production (1945–2015–OSIO)



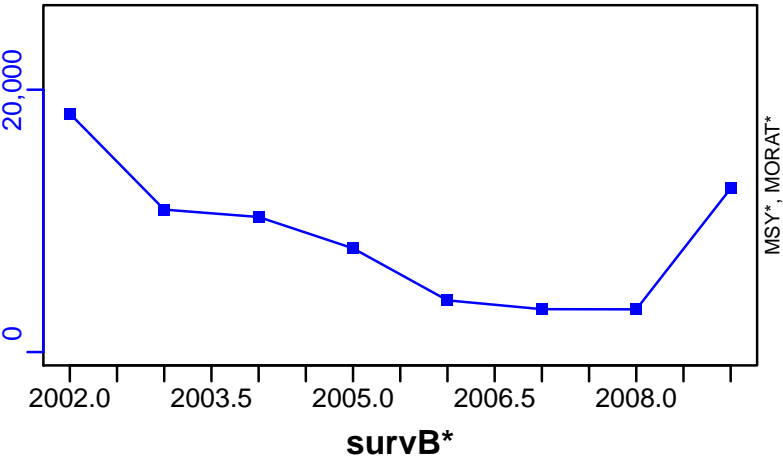
◆ Start Year ◆ End Year * No Data

Anchovy Northern Spain [ANCHMEDGSA6]

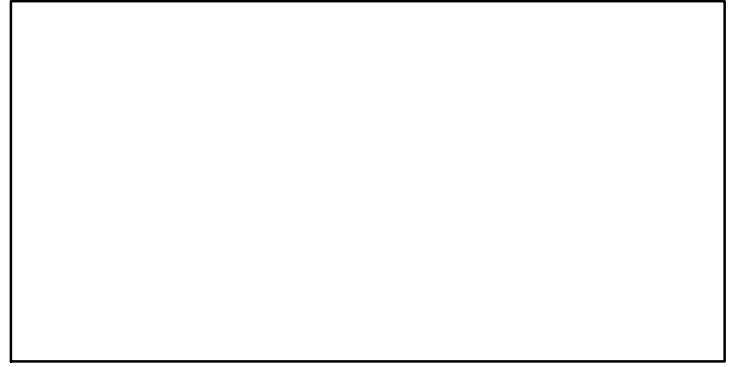


Anchovy Northern Spain [ANCHMEDGSA6]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Anchovy Gulf of Lions [ANCHMEDGSA7]

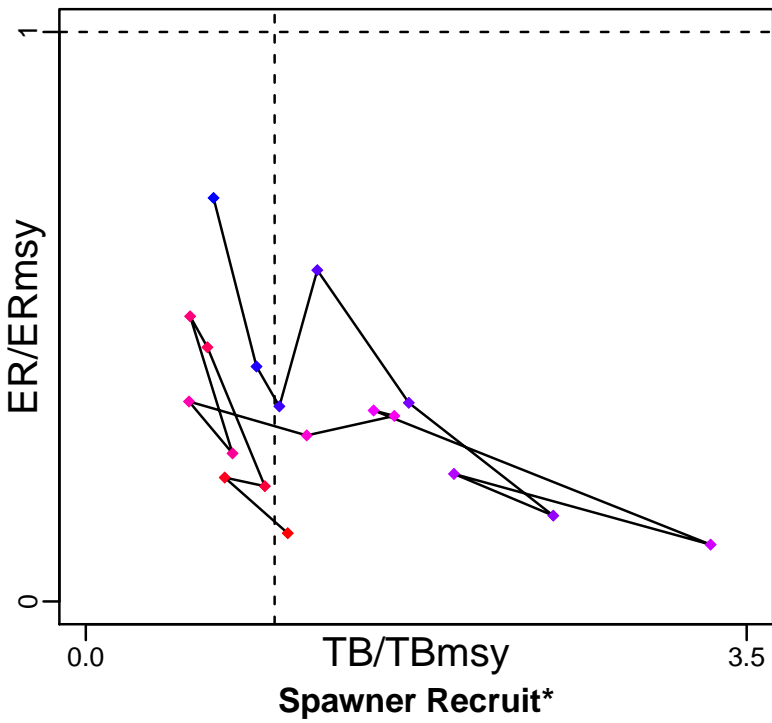
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	IFREMER-ANCHMEDGSA7-1993-2012-BANOBI
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	French Research Institute for Exploitation of the Sea
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2012	33,848
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.41
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	13,810
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

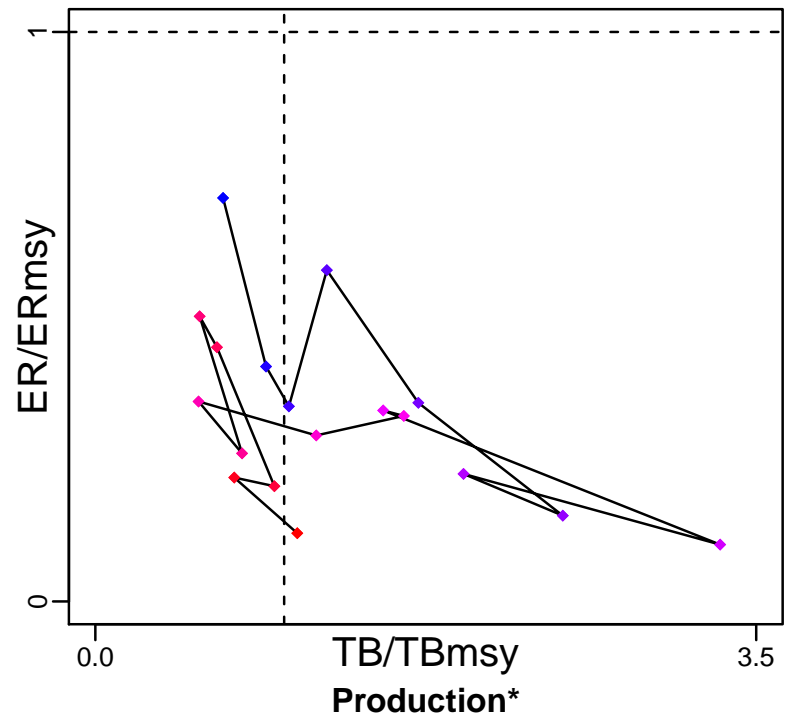
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	32,800	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	-	-	-		
TL	TL-MT	2012	1770		
TB/TBmsy	TB-MT/TBmsy-est-MT	2012	0.97		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.12		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Gulf of Lions [ANCHMEDGSA7]

Kobe MSYpref (1993–2012–BANOB1)



Kobe MGTpref (1993–2012–BANOB1)

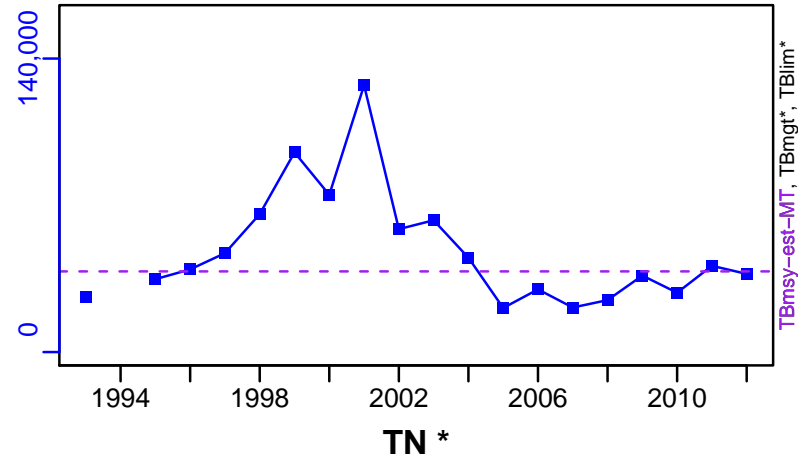


◆ Start Year ◆ End Year * No Data

Anchovy Gulf of Lions [ANCHMEDGSA7]

TB-MT (1993-2012-BANOBI)

SSB*



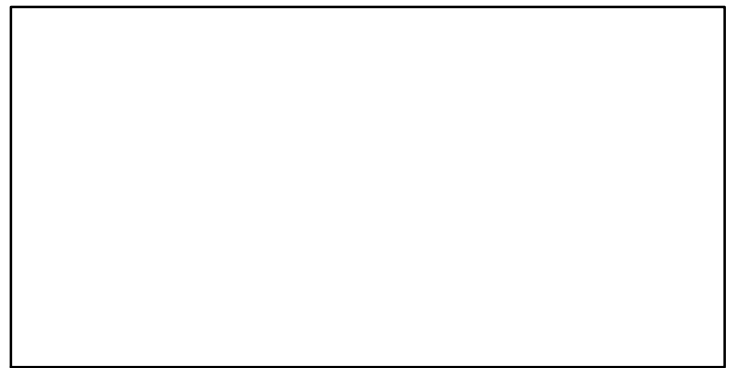
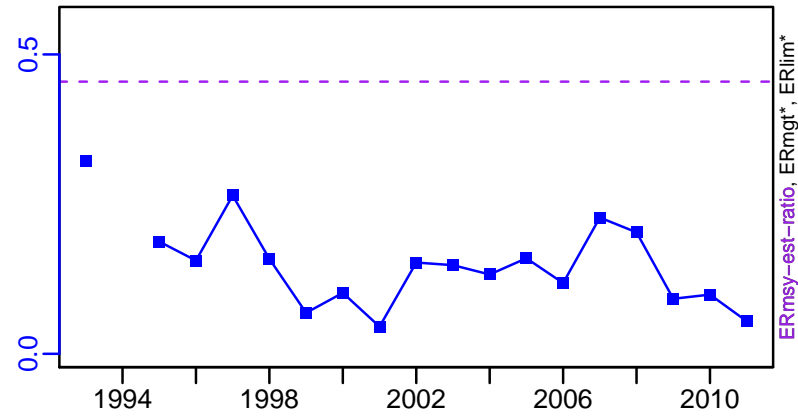
TN *

F*



ER-calc-ratio (1993-2012-BANOBI)

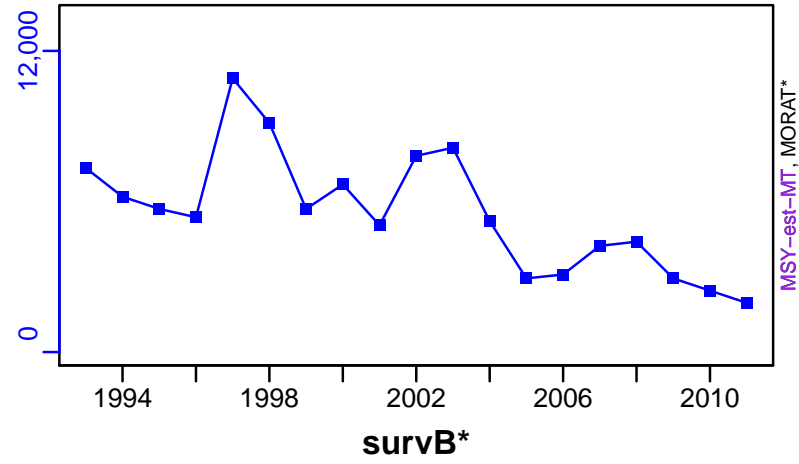
Recruits*



Anchovy Gulf of Lions [ANCHMEDGSA7]

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

TAC*, Cpair*, Cadv*



EFFORT*



Anchovy Ligurian and North Tyrrhenian Sea [ANCHMEDGSA9]

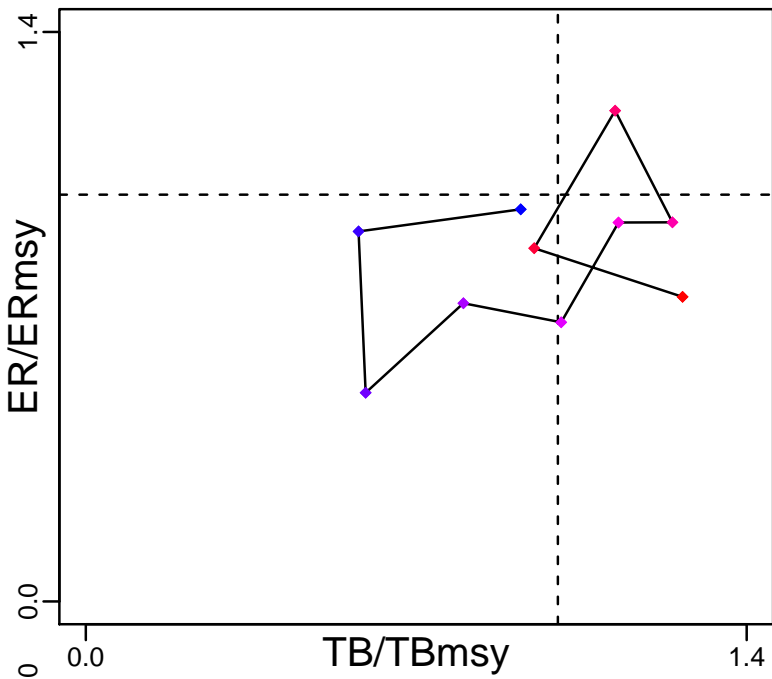
Metadata	
Scientific Name	Engraulis encrasicolus
Current Assess ID	STECF-ANCHMEDGSA9-2006-2015-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	14,002
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.52
ERmsy	ERmsy-est-ratio	2015	0.29
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	4110
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

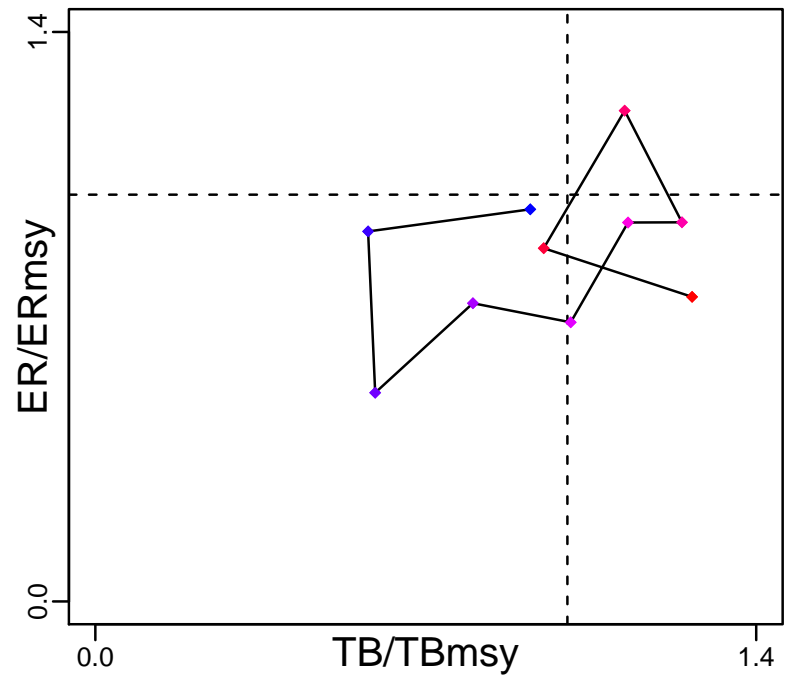
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	17,700	-	-
SSB	SSB-MT	2015	11,000	-	-
TN	-	-	-	-	-
R	R-E00	2015	1.66×10^9	-	-
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	3890		
TL	TL-MT	2015	3960		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	1.26		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.19		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.75		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Anchovy Ligurian and North Tyrrhenian Sea [ANCHMEDGSA9]

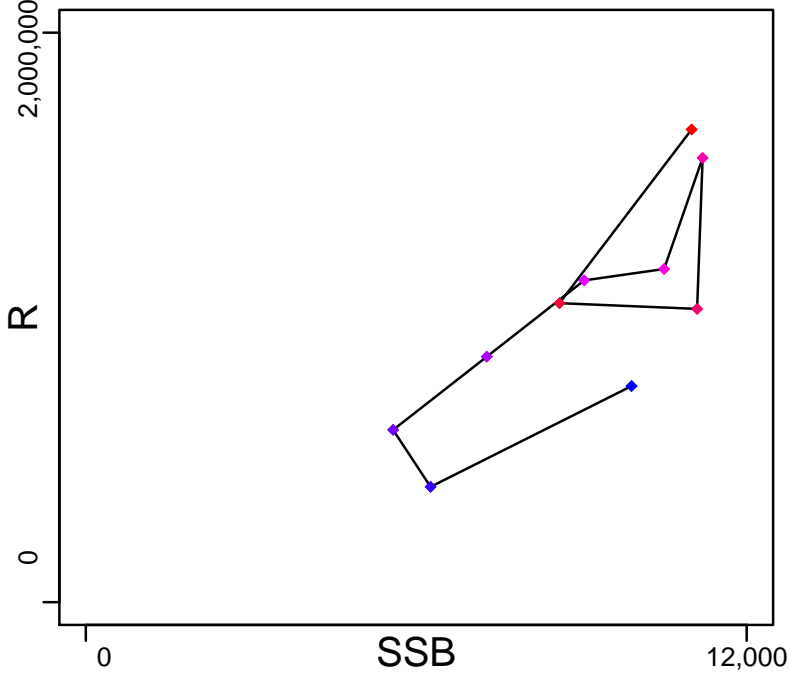
Kobe MSYpref (2006–2015–OSIO)



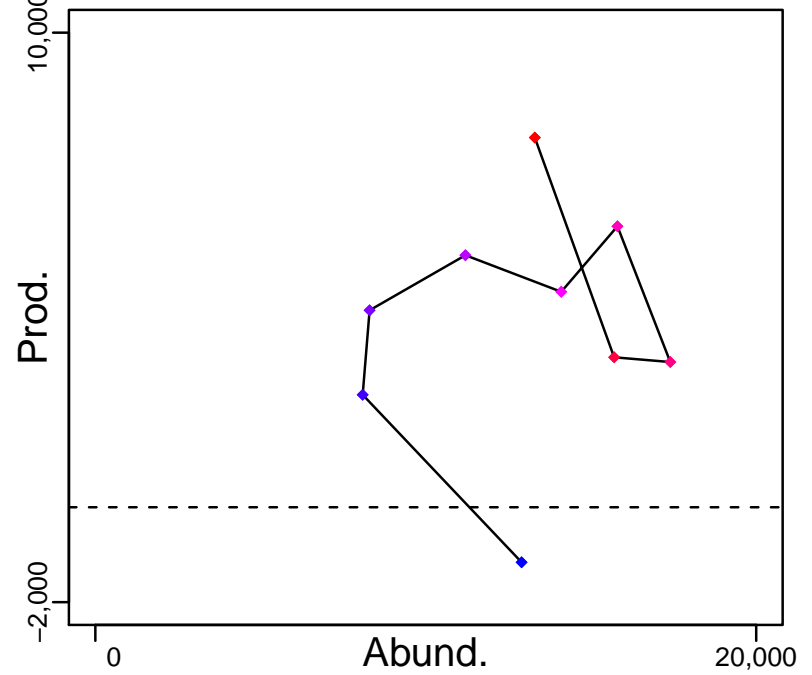
Kobe MGTpref (2006–2015–OSIO)



Spawner Recruit (2006–2015–OSIO)



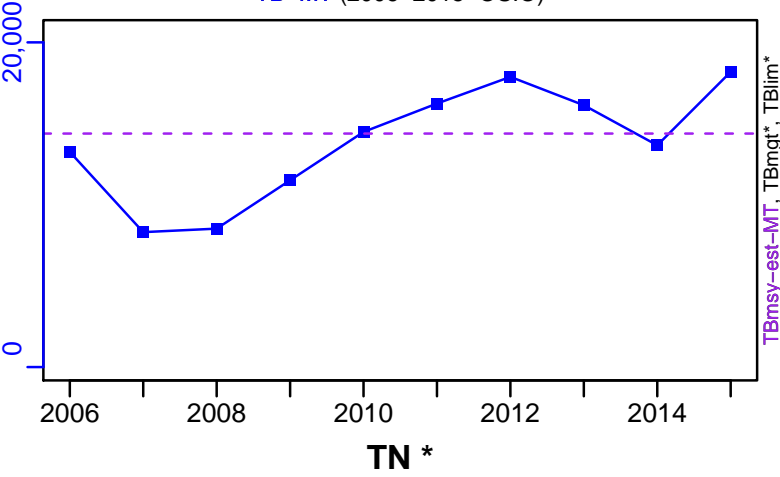
Production (2006–2015–OSIO)



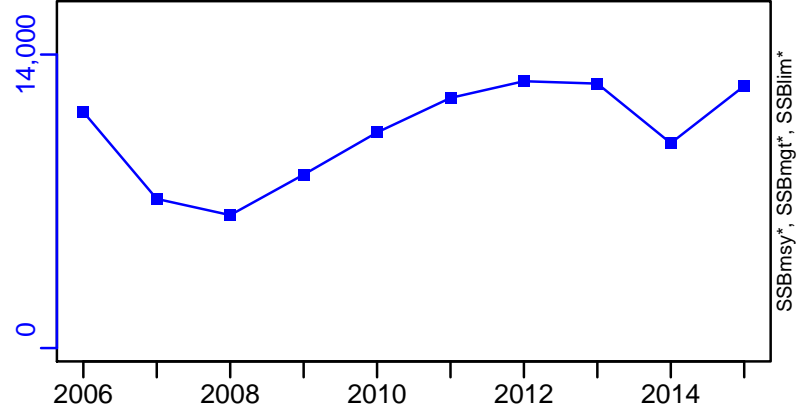
◆ Start Year ◆ End Year * No Data

Anchovy Ligurian and North Tyrrhenian Sea [ANCHMEDGSA9]

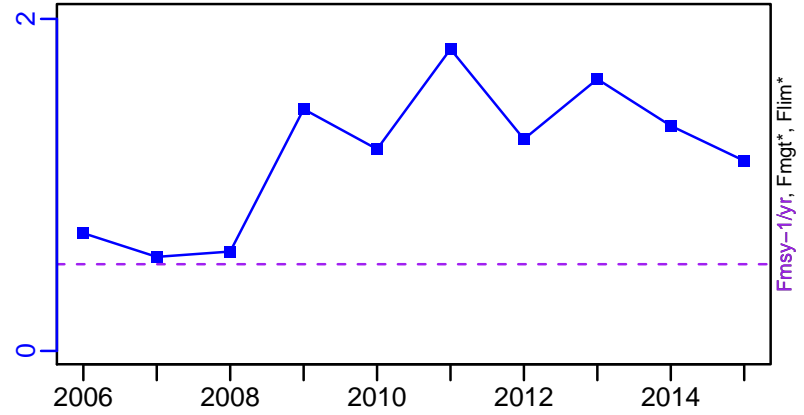
TB-MT (2006–2015–OSIO)



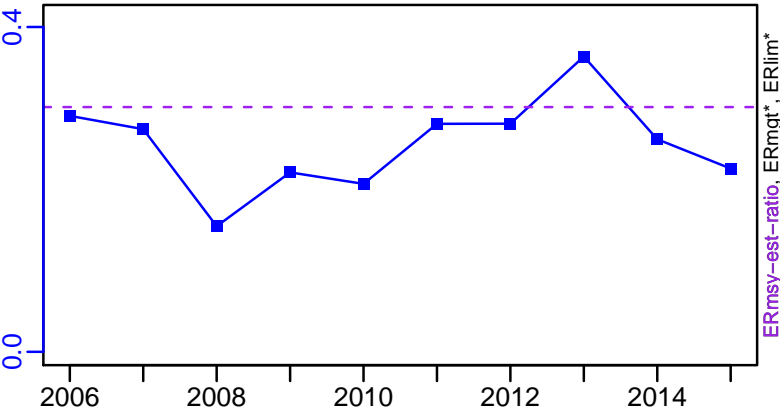
SSB-MT (2006–2015–OSIO)



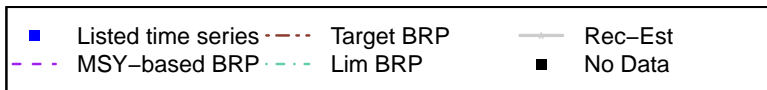
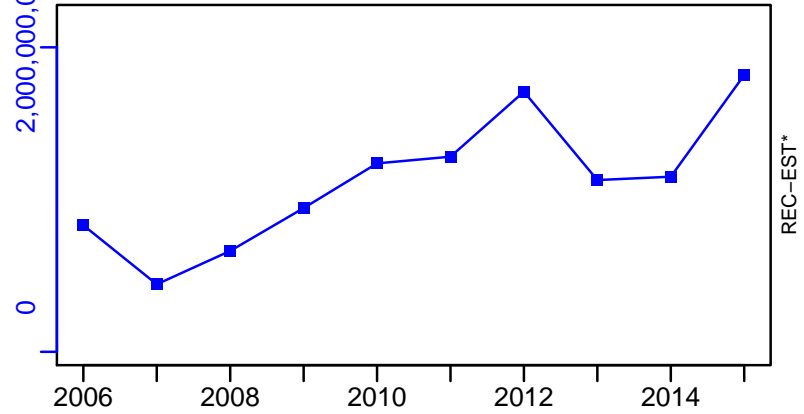
F-1/yr (2006–2015–OSIO)



ER-calc-ratio (2006–2015–OSIO)



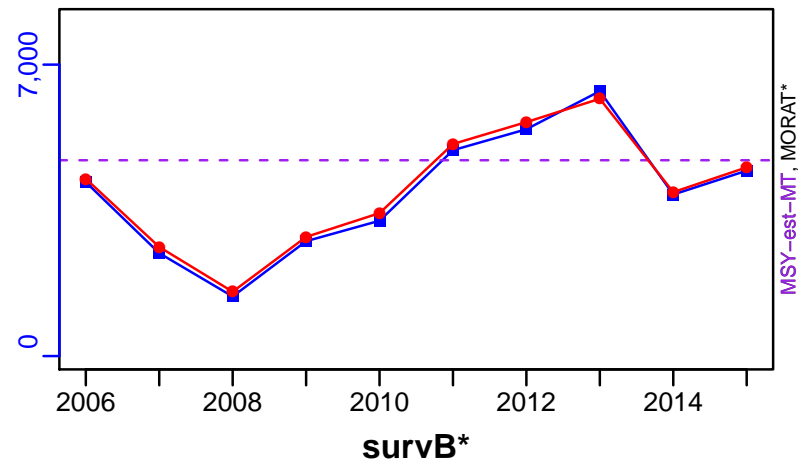
R-E00 (2006–2015–OSIO)



Anchovy Ligurian and North Tyrrhenian Sea [ANCHMEDGSA9]

TC-MT, TL-MT, RecC* (2006–2015–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Black Bellied Angler Malta Island and South of Sicily [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	0.16
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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

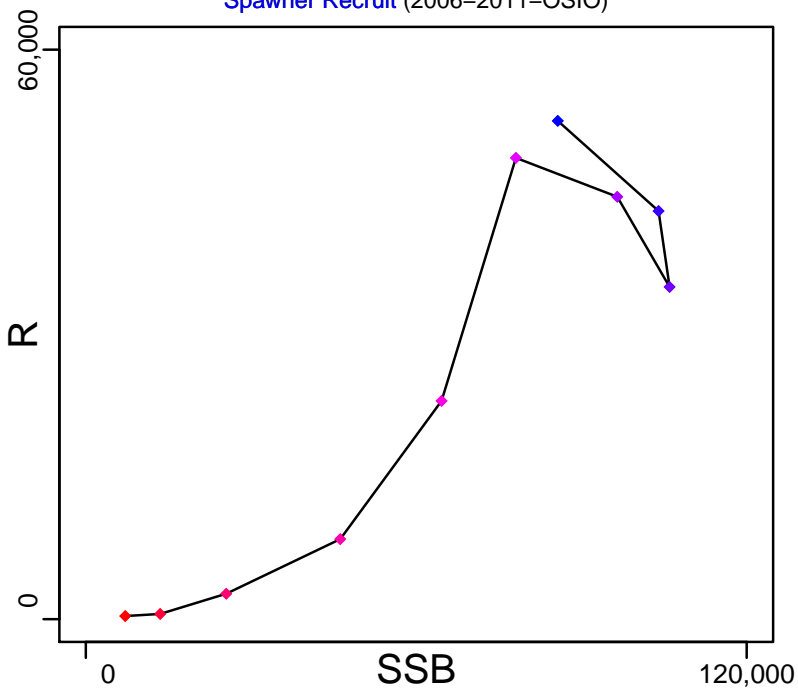
Kobe MSY*



Kobe MGT*



Spawner Recruit (2006-2011-OSIO)



Production*



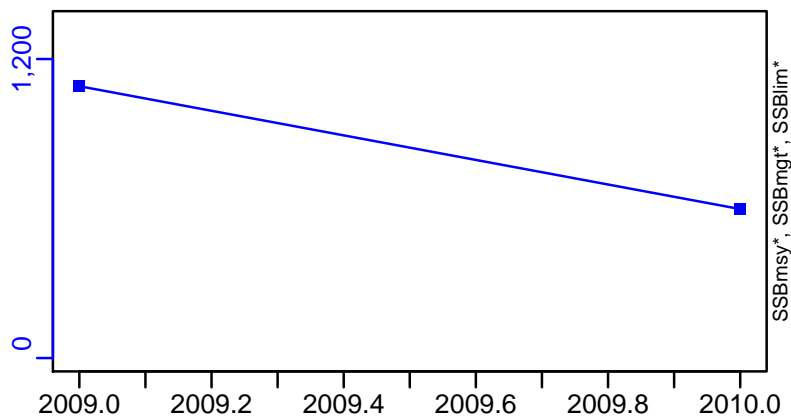
◆ Start Year ◆ End Year * No Data

Black Bellied Angler Malta Island and South of Sicily [ANGLMEDGSA15-16]

TB*



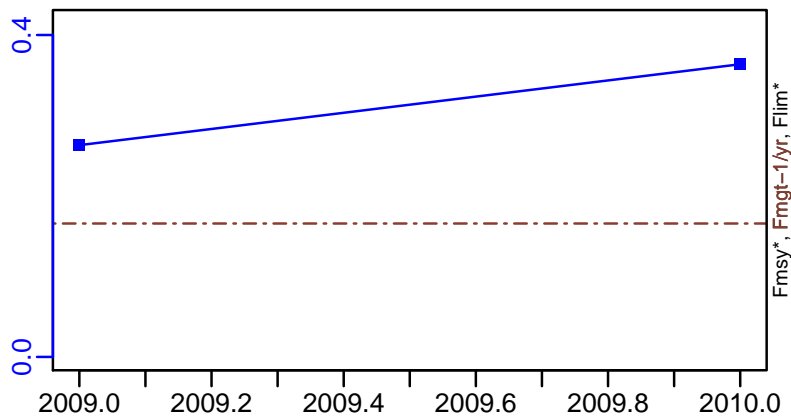
SSB-MT (2006-2011-OSIO)



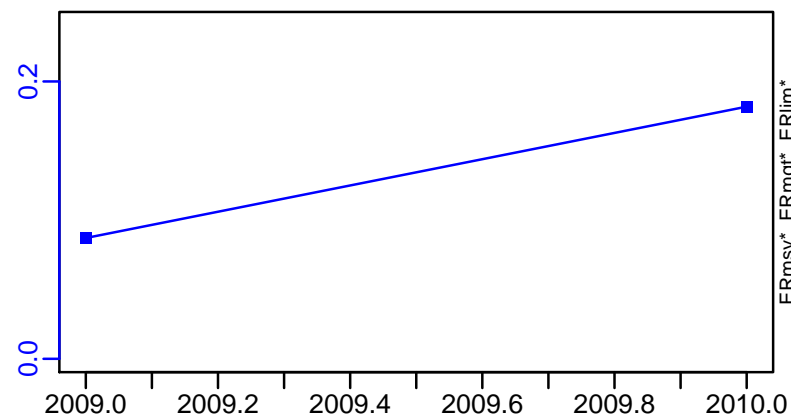
TN *



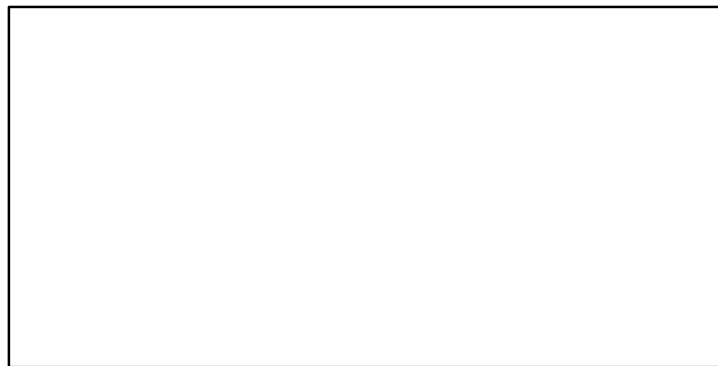
F-1/yr (2006-2011-OSIO)



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



Recruits*



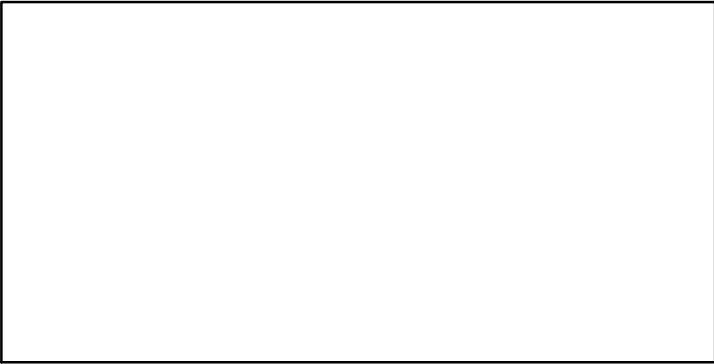
TC*, TL*, RecC*



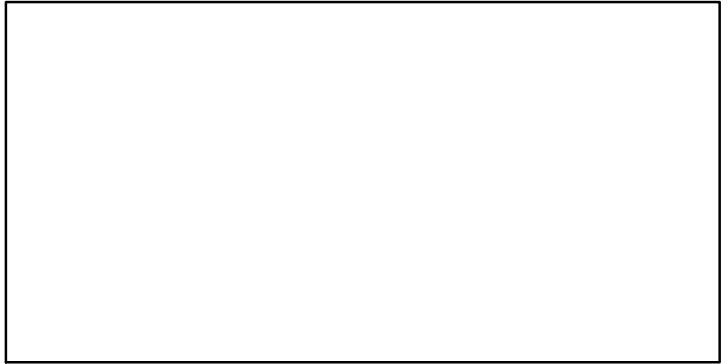
TAC*, Cpair*, Cadv*



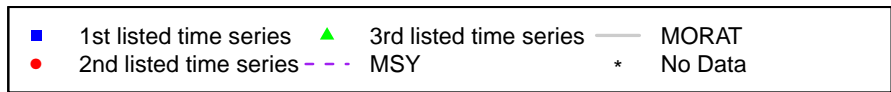
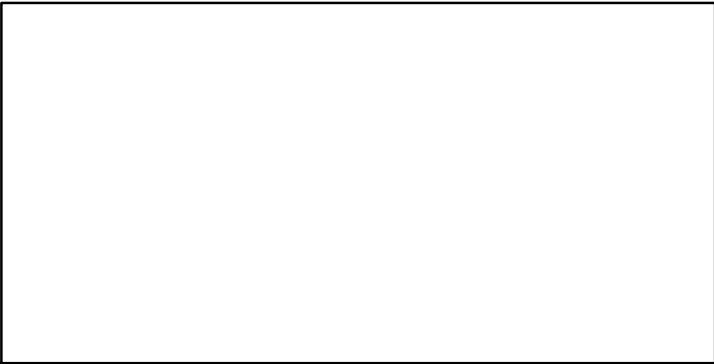
survB*



CPUE*



EFFORT*



Black bellied angler Balearic Island [ANGLMEDGSA5]

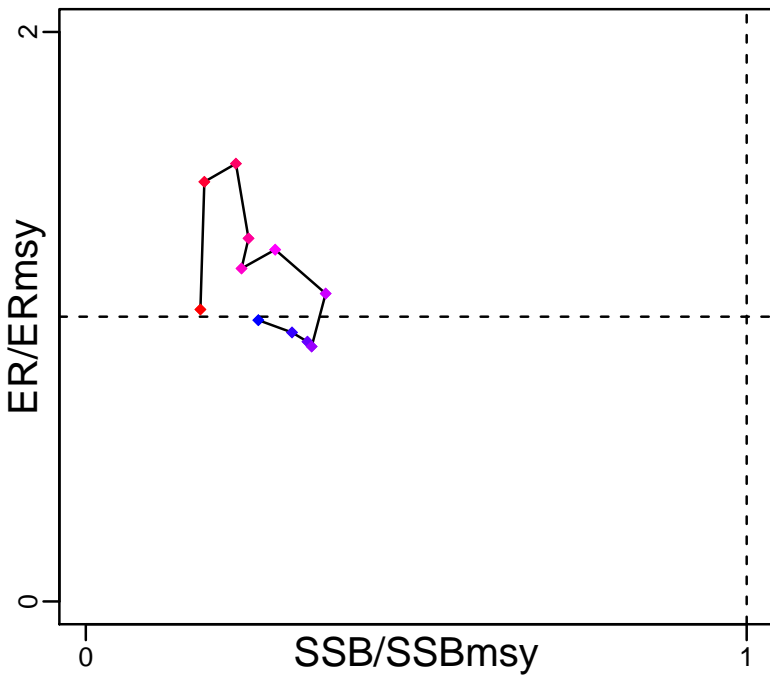
Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA5-2003-2013-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	47
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.4
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.08
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	62
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

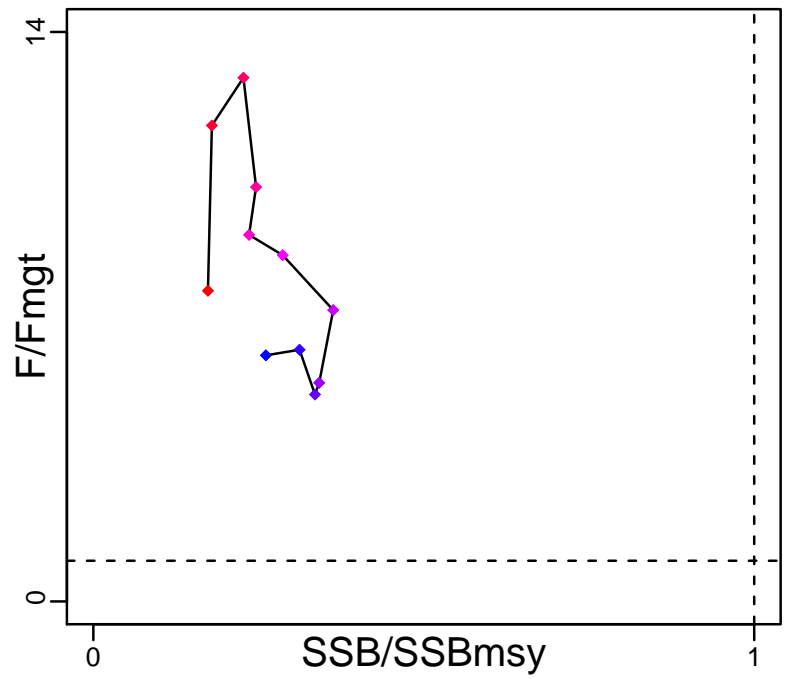
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	8	-	5+
TN	-	-	-	-	-
R	R-E00	2013	152,000	-	-
F	F-1/yr	2013	1	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	11.1		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.17		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	1.03		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	7.64		
ER/ERmgt	-	-	-		

Black bellied angler Balearic Island [ANGLMEDGSA5]

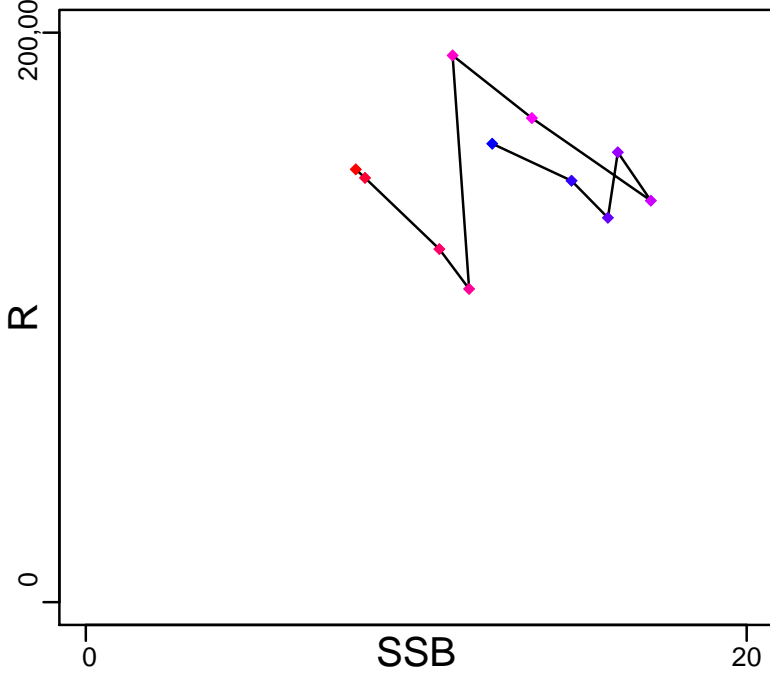
Kobe MSYpref (2003–2013–OSIO)



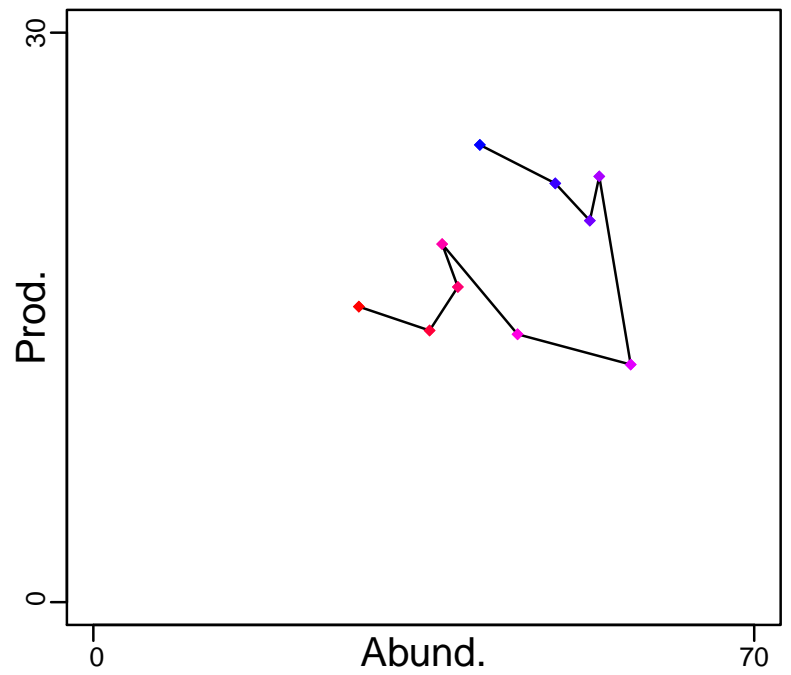
Kobe MGTpref (2003–2013–OSIO)



Spawner Recruit (2003–2013–OSIO)



Production (2003–2013–OSIO)



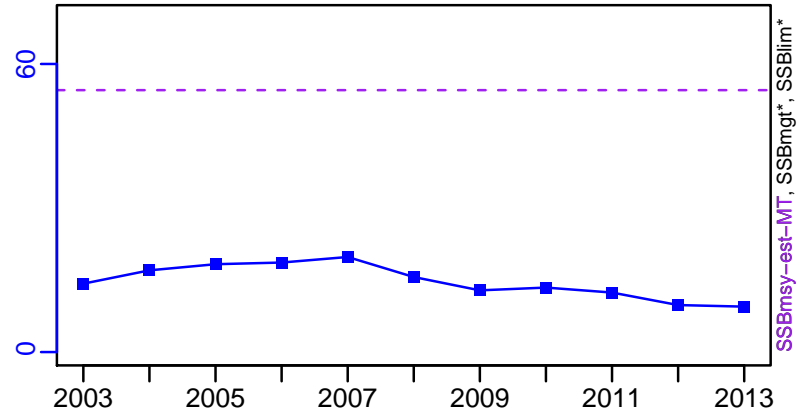
◆ Start Year ◆ End Year * No Data

Black bellied angler Balearic Island [ANGLMEDGSA5]

TB*



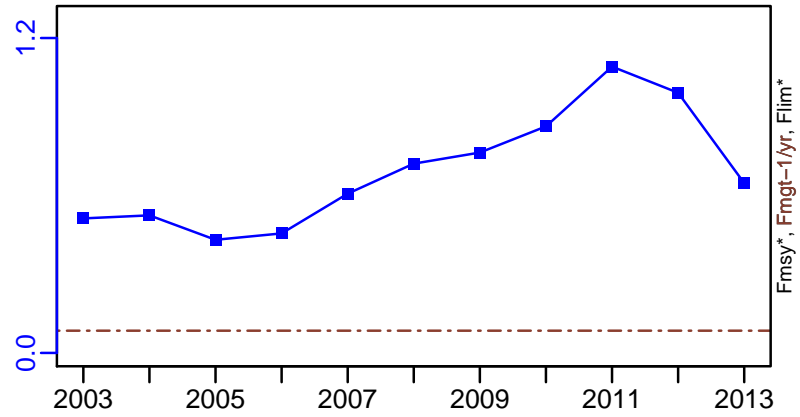
SSB-MT (2003–2013–OSIO)



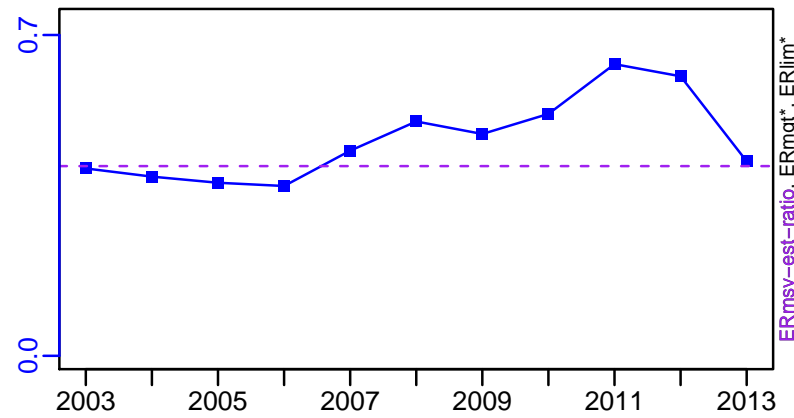
TN *



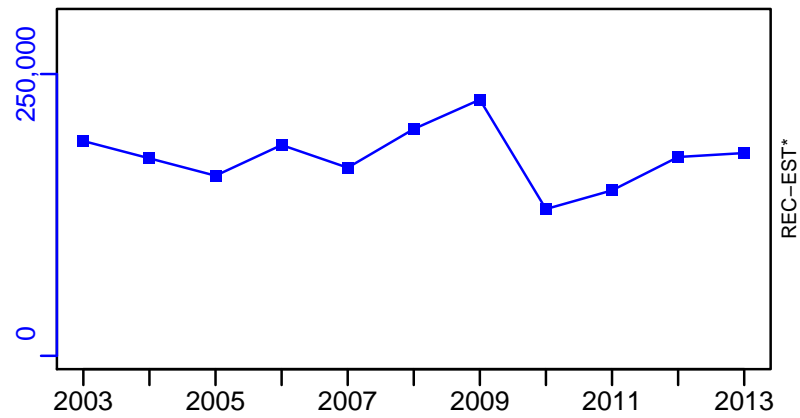
F-1/yr (2003–2013–OSIO)



ER-calc-ratio (2003–2013–OSIO)

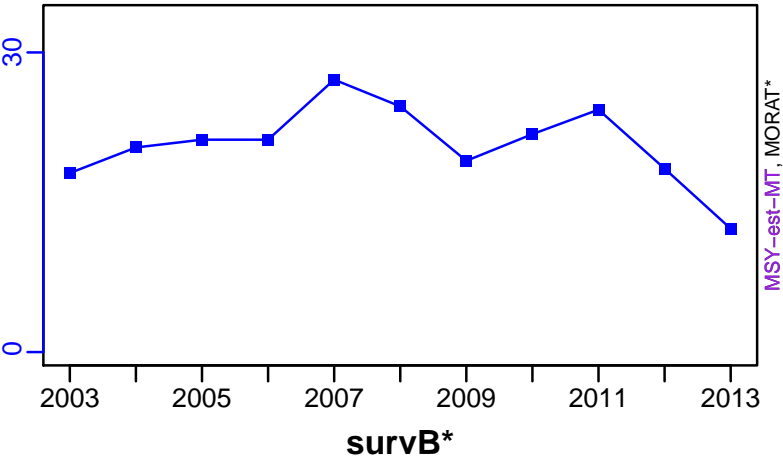


R-E00 (2003–2013–OSIO)



Black bellied angler Balearic Island [ANGLMEDGSA5]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Black bellied angler Northern Spain [ANGLMEDGSA6]

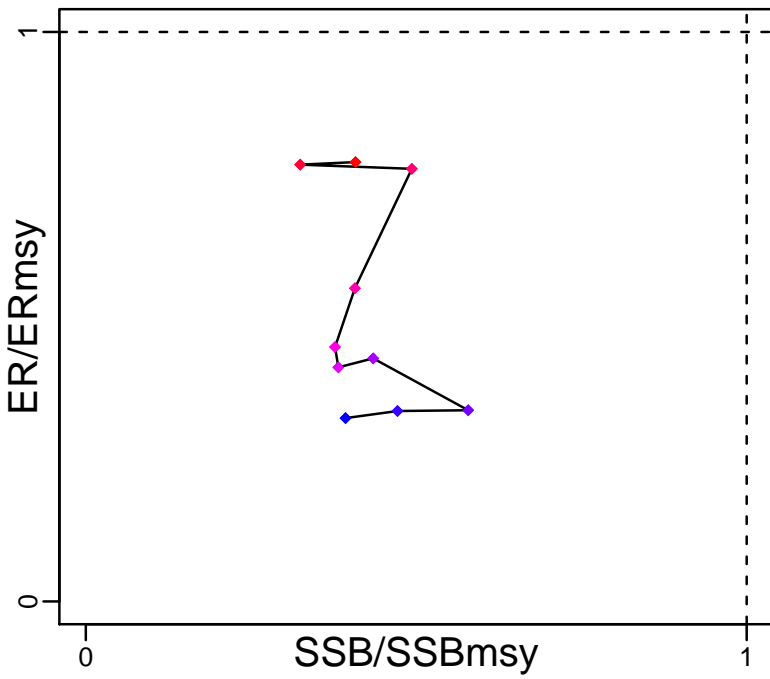
Metadata	
Scientific Name	Lophius budegassa
Current Assess ID	STECF-ANGLMEDGSA6-2004-2013-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	1196
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.79
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.14
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	3336
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

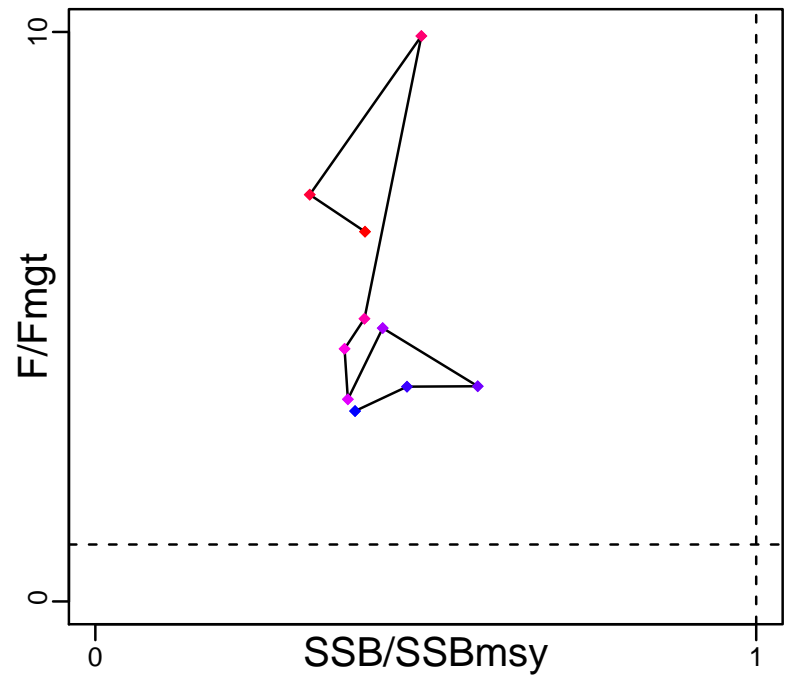
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	488	-	5+
TN	-	-	-	-	-
R	R-E00	2013	9,510,000	-	-
F	F-1/yr	2013	1	-	-
ER	ER-calc-ratio	2013	1	-	-
TC	TC-MT	2013	1050		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.41		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.77		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	6.49		
ER/ERmgt	-	-	-		

Black bellied angler Northern Spain [ANGLMEDGSA6]

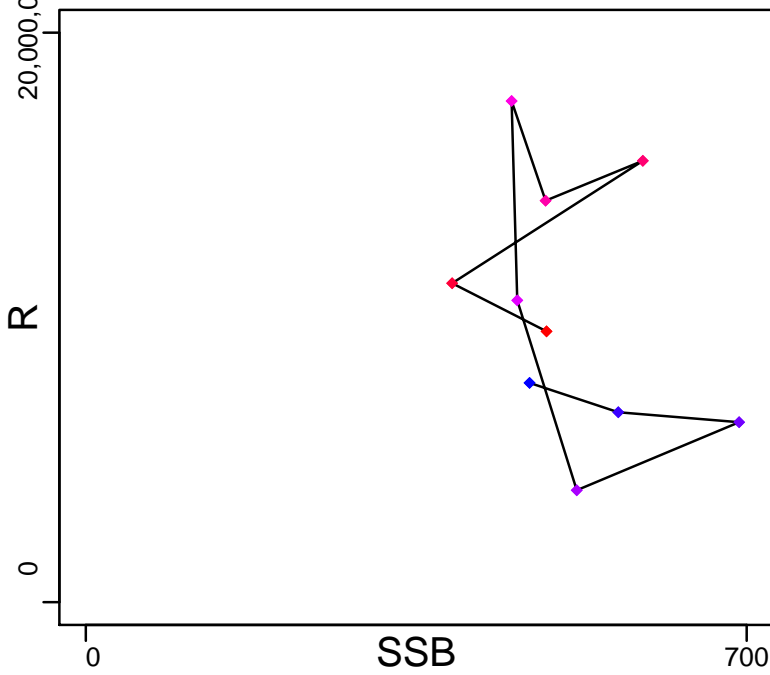
Kobe MSYpref (2004–2013–OSIO)



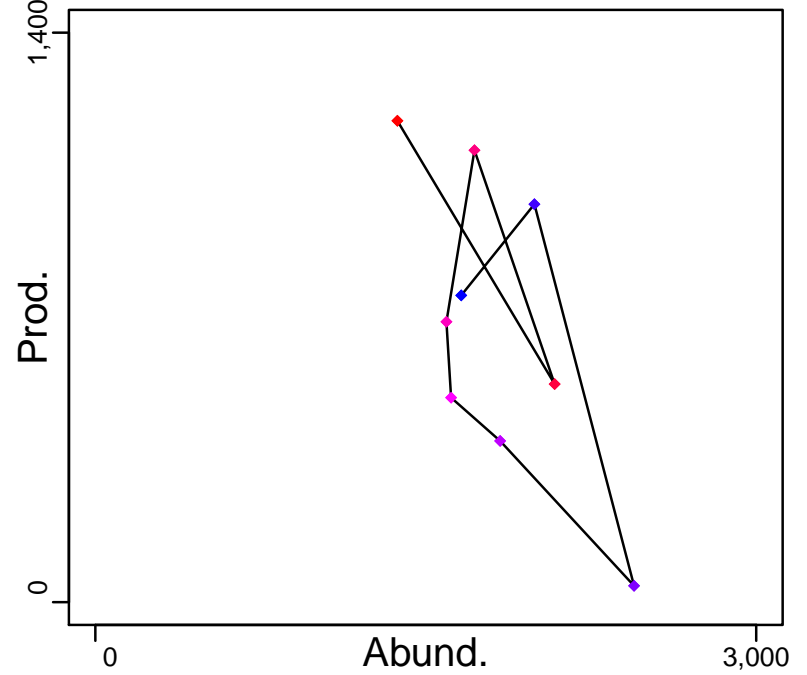
Kobe MGTpref (2004–2013–OSIO)



Spawner Recruit (2004–2013–OSIO)



Production (2004–2013–OSIO)



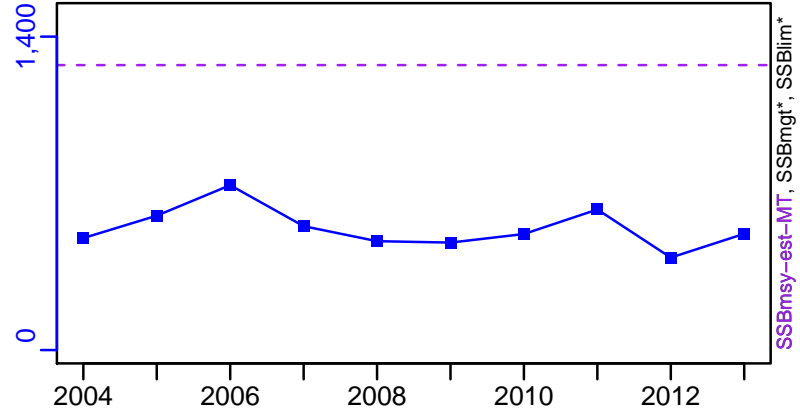
◆ Start Year ◆ End Year * No Data

Black bellied angler Northern Spain [ANGLMEDGSA6]

TB*



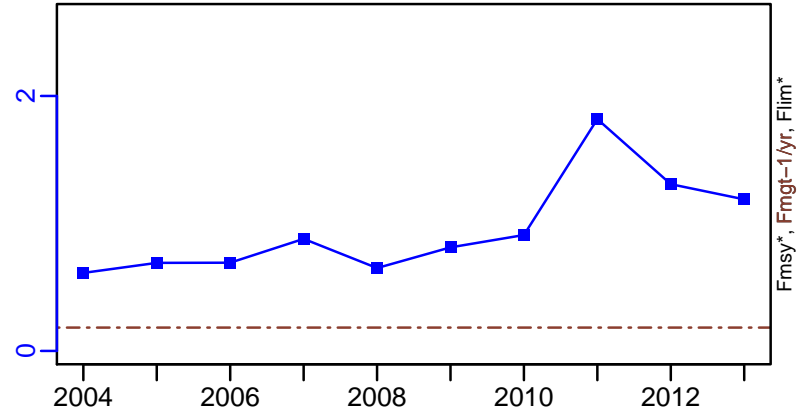
SSB-MT (2004–2013–OSIO)



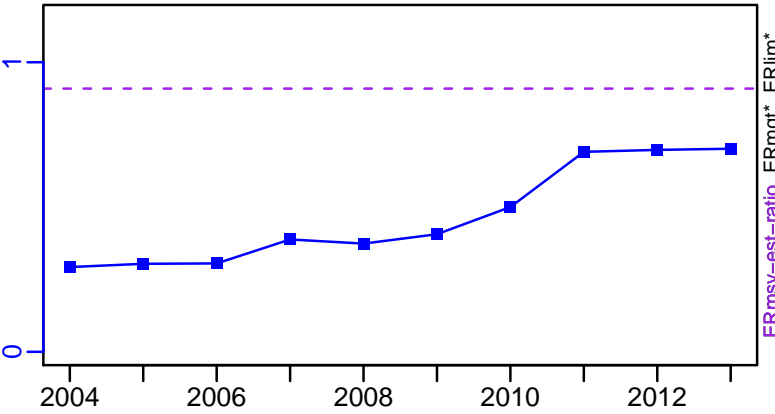
TN *



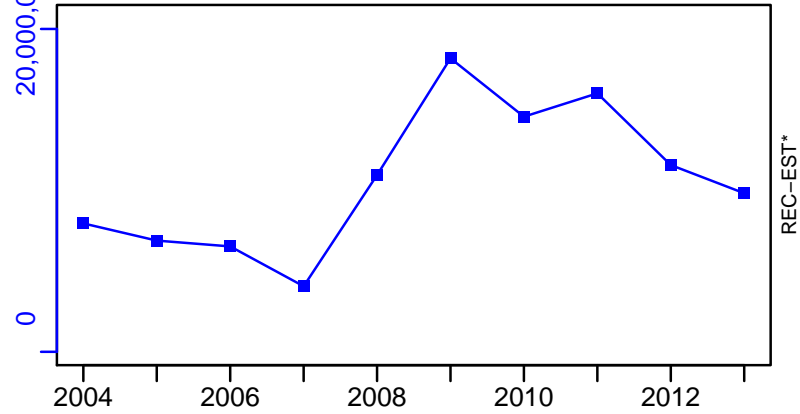
F-1/yr (2004–2013–OSIO)



ER-calc-ratio (2004–2013–OSIO)



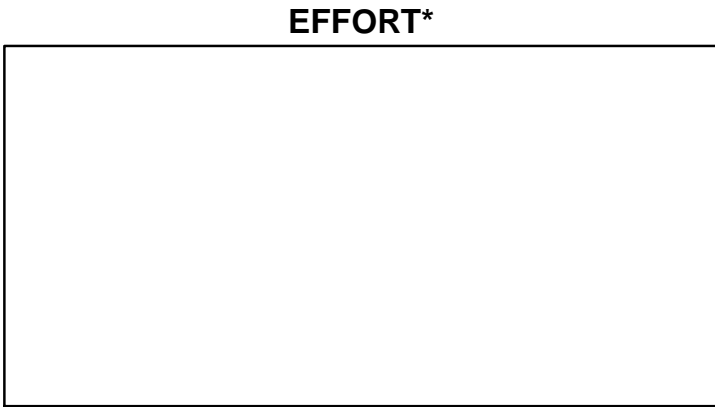
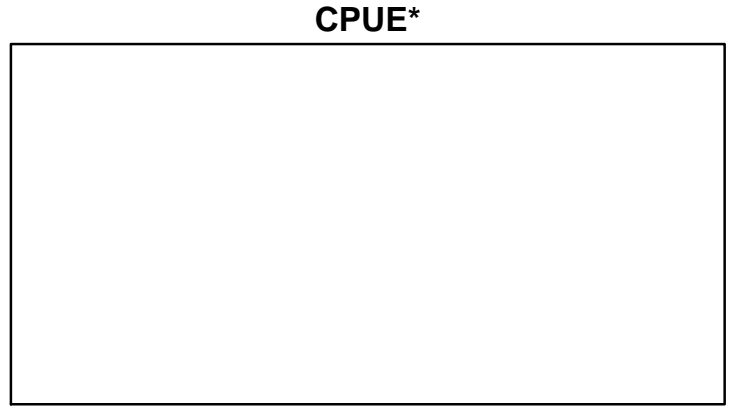
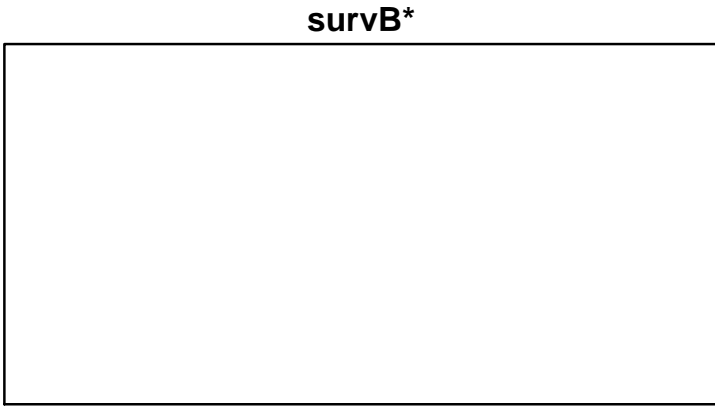
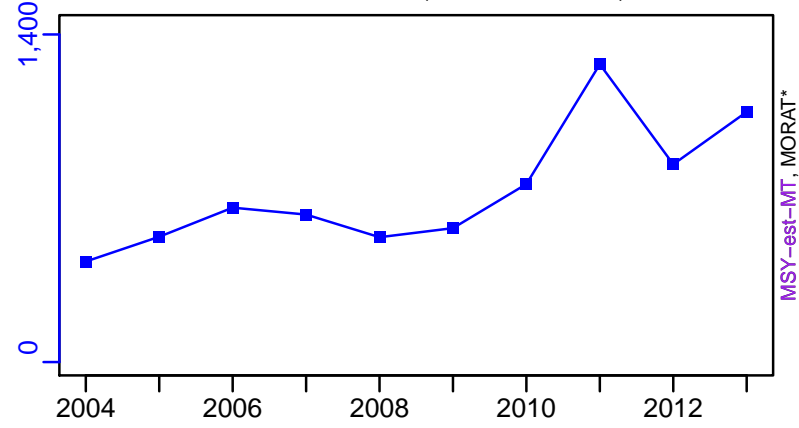
R-E00 (2004–2013–OSIO)



Black bellied angler Northern Spain [ANGLMEDGSA6]

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

TAC*, Cpair*, Cadv*

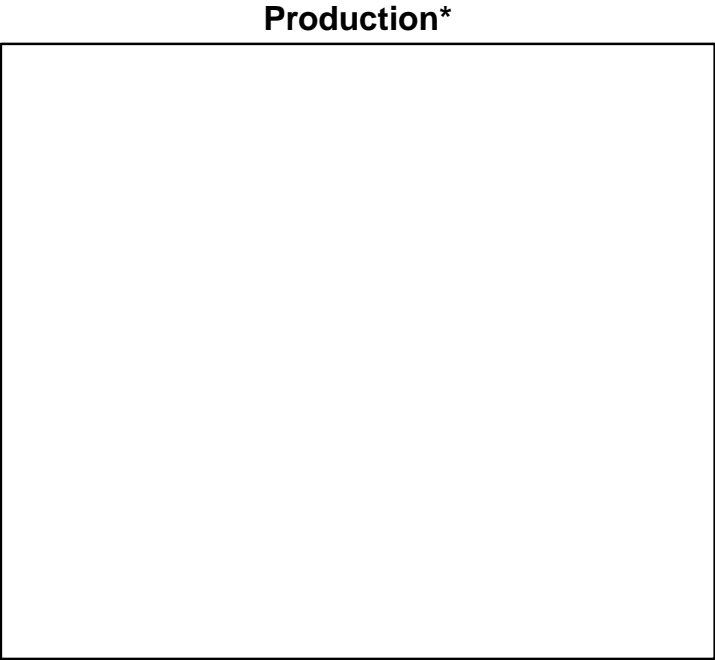
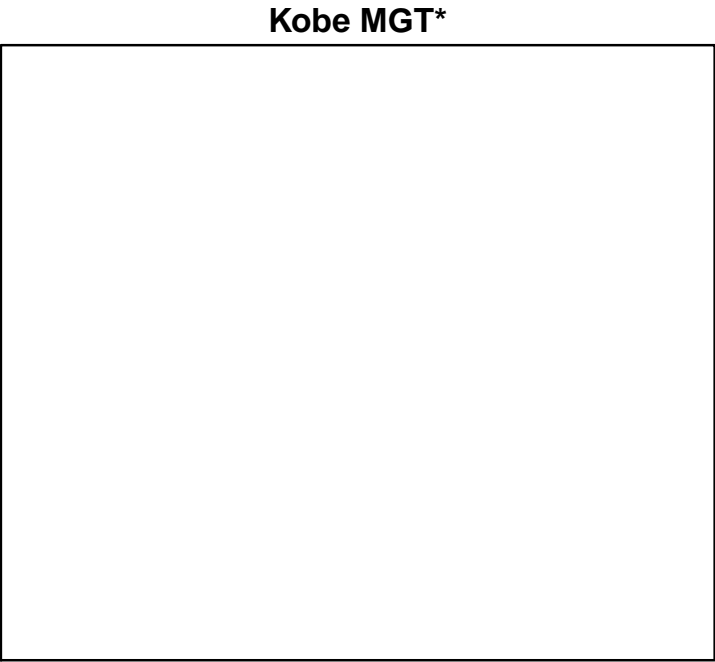


Black bellied angler Gulf of Lions [ANGLMEDGSA7]

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	-	-	-		



◆ Start Year ◆ End Year * No Data

Black bellied angler Gulf of Lions [ANGLMEDGSA7]

TB*



SSB*



TN *



F*



ER*



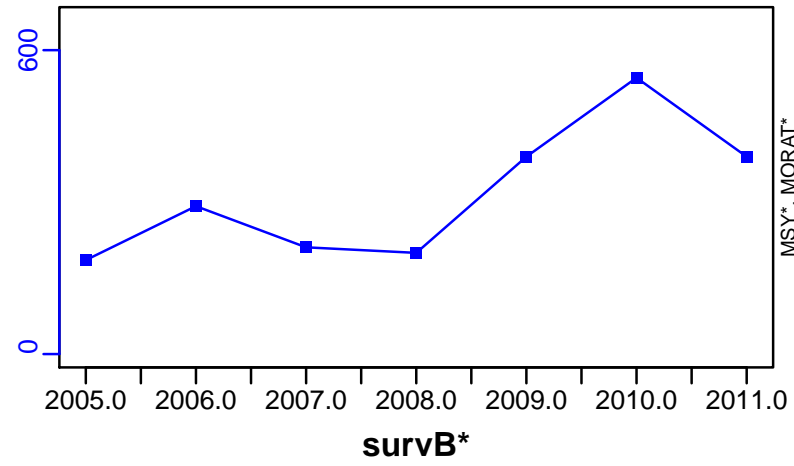
Recruits*



Black bellied angler Gulf of Lions [ANGLMEDGSA7]

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

TAC*, Cpair*, Cadv*



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	-	-
ER	ER-calc-ratio	2011	1	-	-
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]

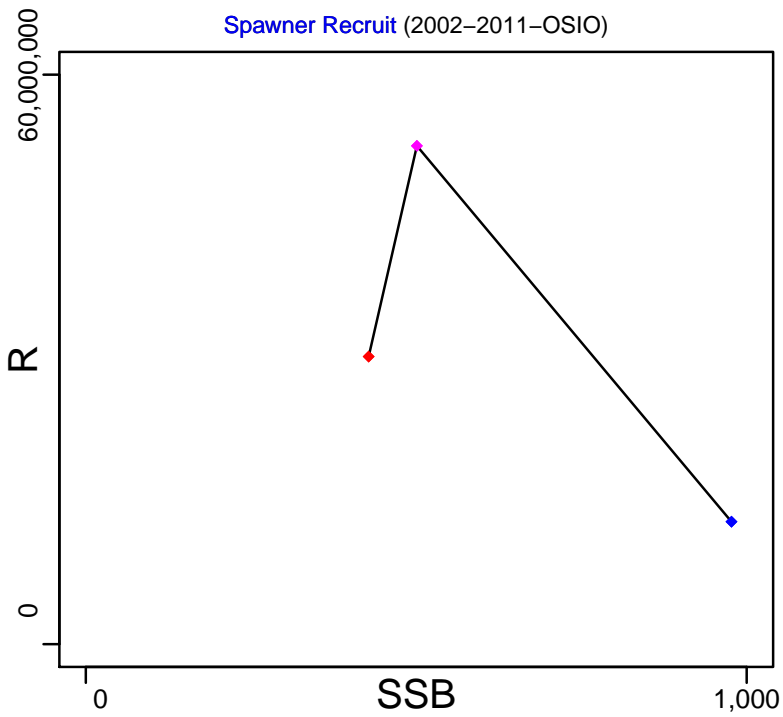
Kobe MSY*



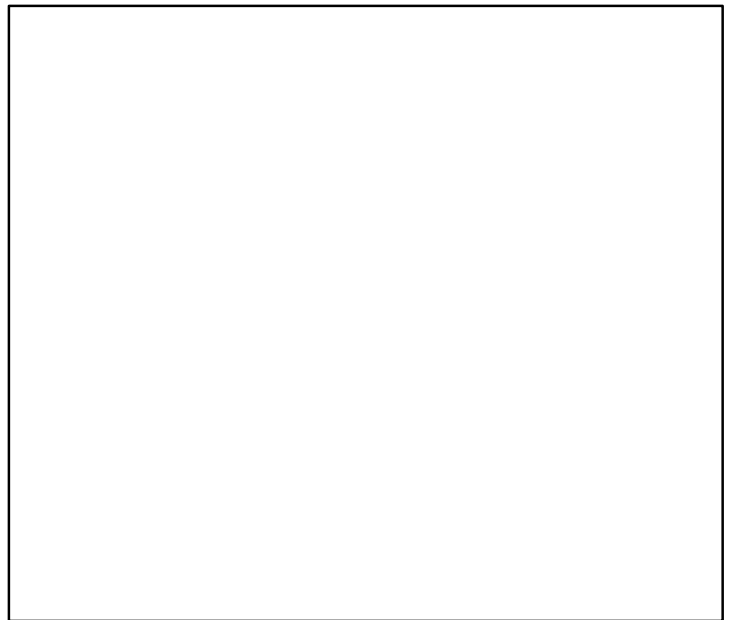
Kobe MGT*



Spawner Recruit (2002–2011–OSIO)



Production*



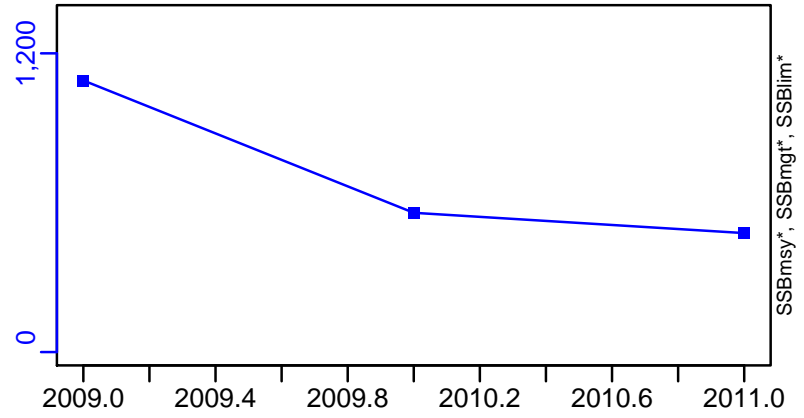
◆ Start Year ◆ End Year * No Data

Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

TB*



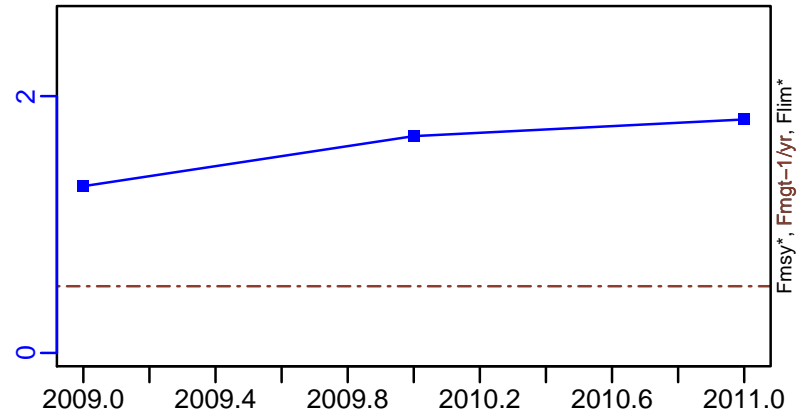
SSB-MT (2002–2011–OSIO)



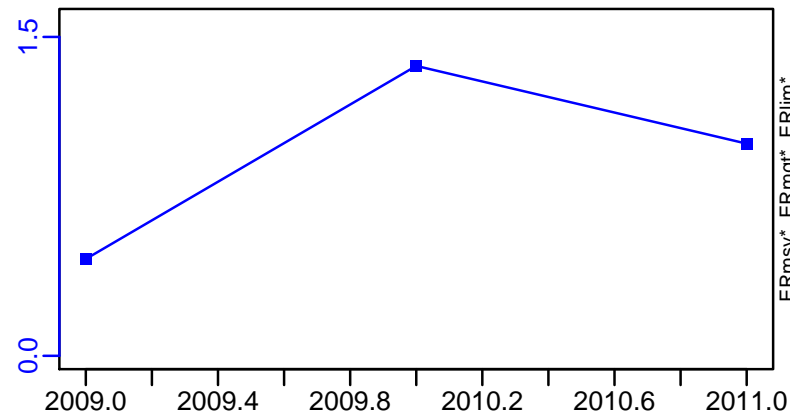
TN *



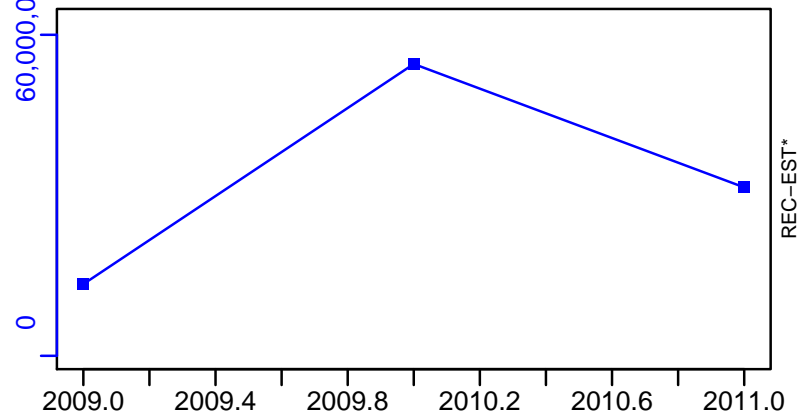
F-1/yr (2002–2011–OSIO)



ER-calc-ratio (2002–2011–OSIO)



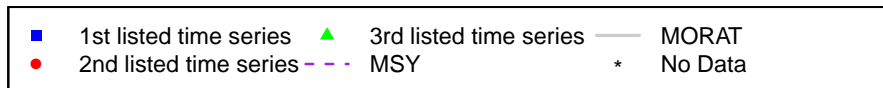
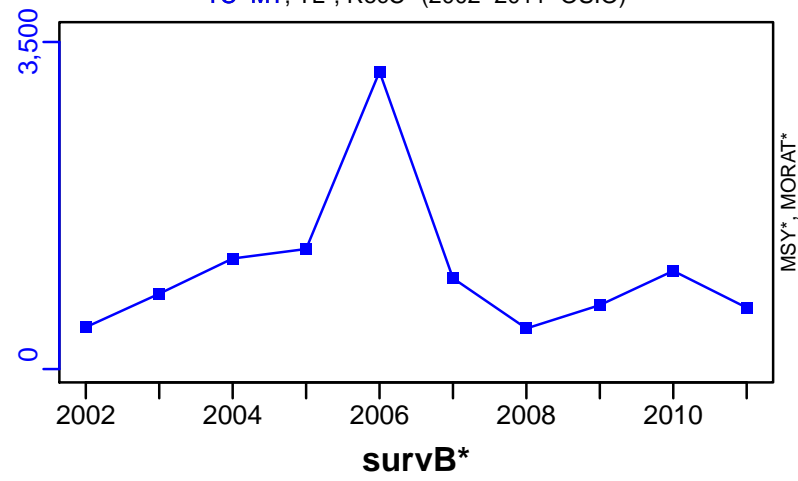
R-E00 (2002–2011–OSIO)



Blue whiting Northern Alboran Sea [BWHITMEDGSA1]

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

TAC*, Cpair*, Cadv*



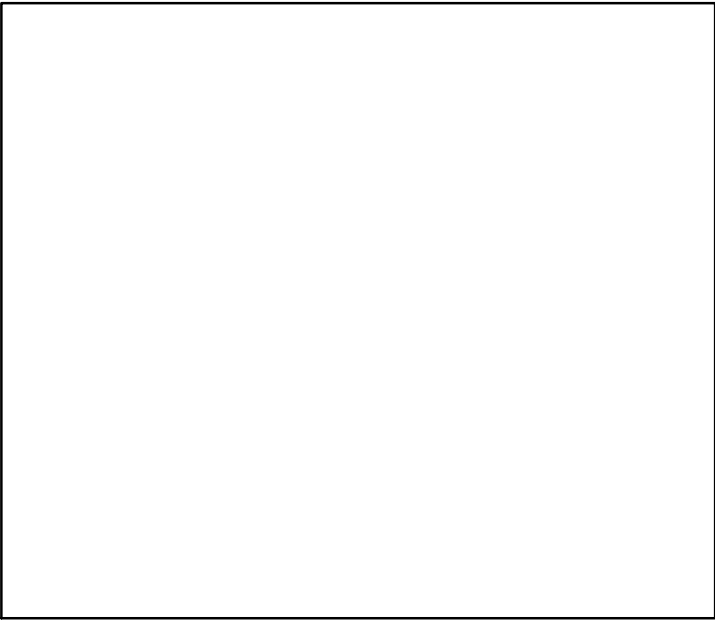
Blue whiting Northern Spain [BWHITMEDGSA6]

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

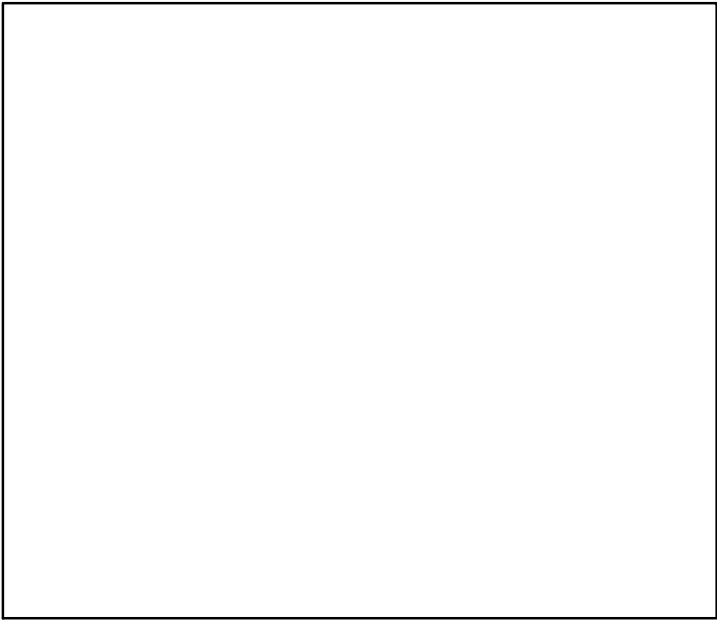
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.16
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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	-	-
ER	ER-calc-ratio	2013	2	-	-
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	7.9		
ER/ERmgt	-	-	-		

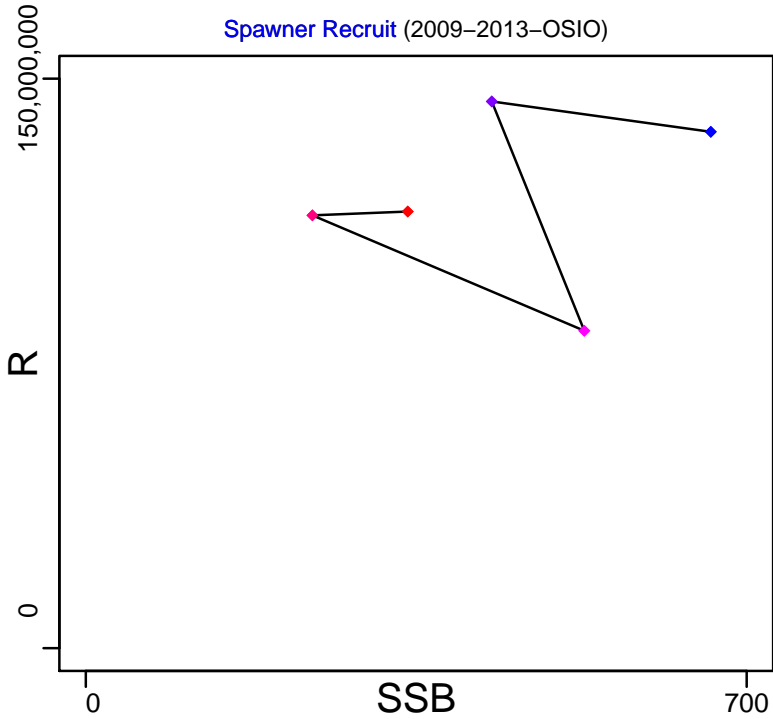
Kobe MSY*



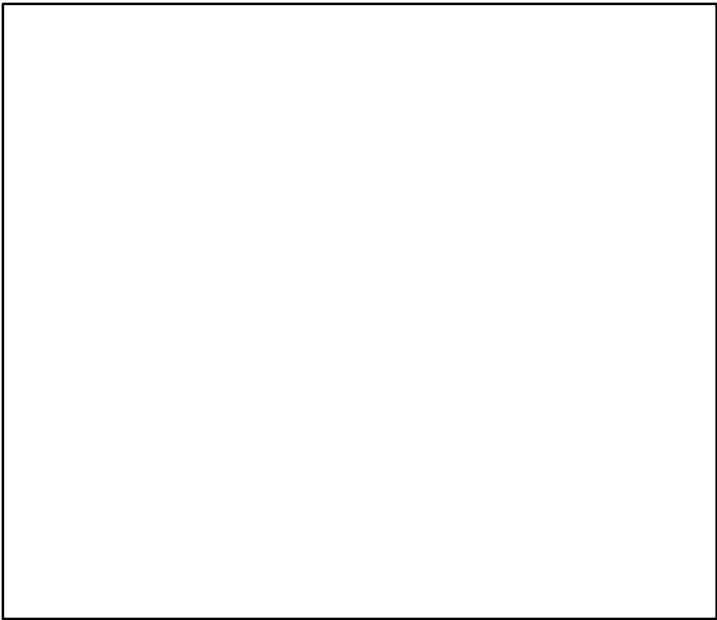
Kobe MGT*



Spawner Recruit (2009–2013–OSIO)



Production*



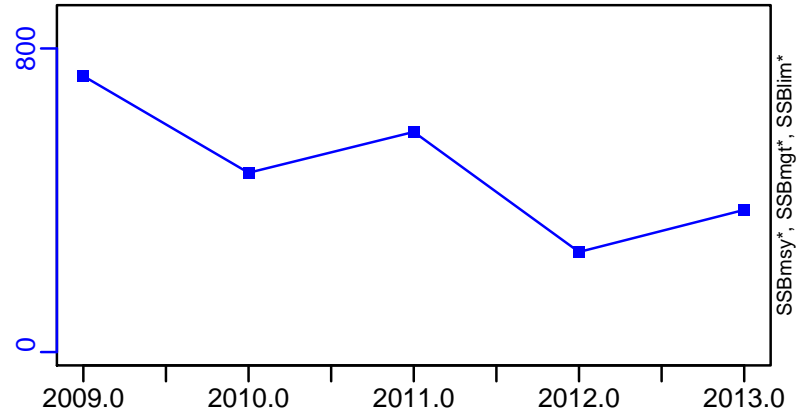
♦ Start Year ♦ End Year * No Data

Blue whiting Northern Spain [BWHITMEDGSA6]

TB*



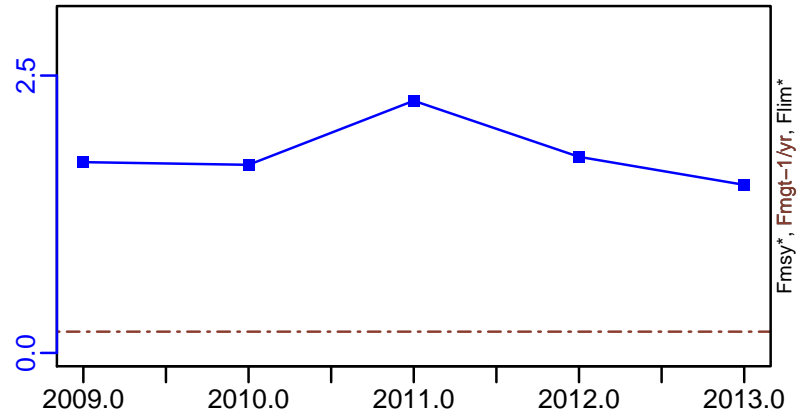
SSB-MT (2009–2013–OSIO)



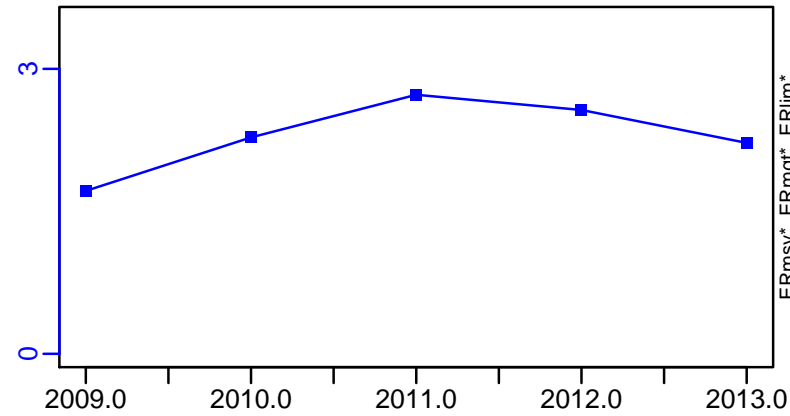
TN *



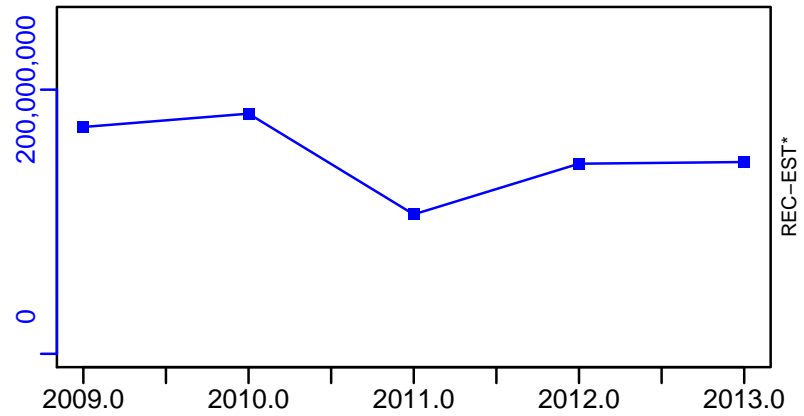
F-1/yr (2009–2013–OSIO)



ER-calc-ratio (2009–2013–OSIO)

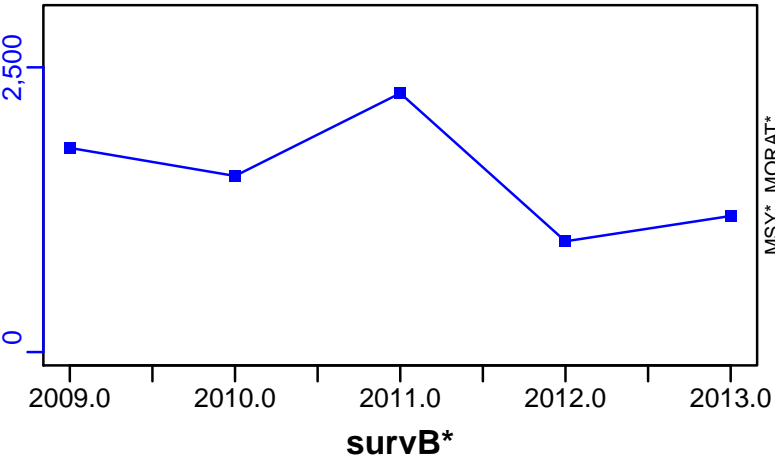


R-E00 (2009–2013–OSIO)



Blue whiting Northern Spain [BWHITMEDGSA6]

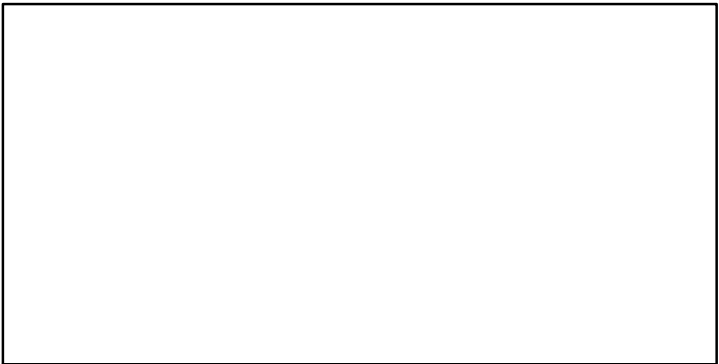
TC-MT, TL*, RecC* (2009-2013-OSIO)



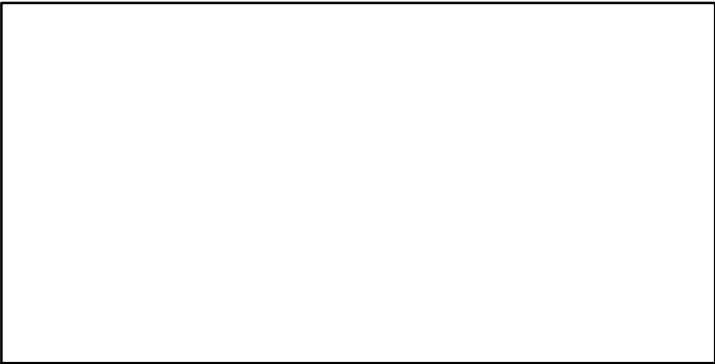
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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	0.33
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	-	-
ER	ER-calc-ratio	2013	0	-	-
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	1.15		
ER/ERmgt	-	-	-		

Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

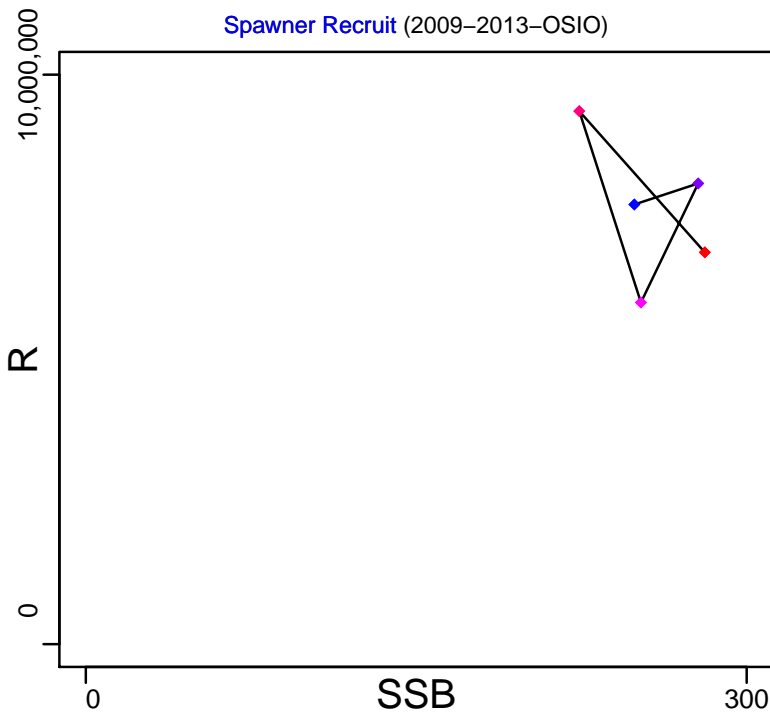
Kobe MSY*



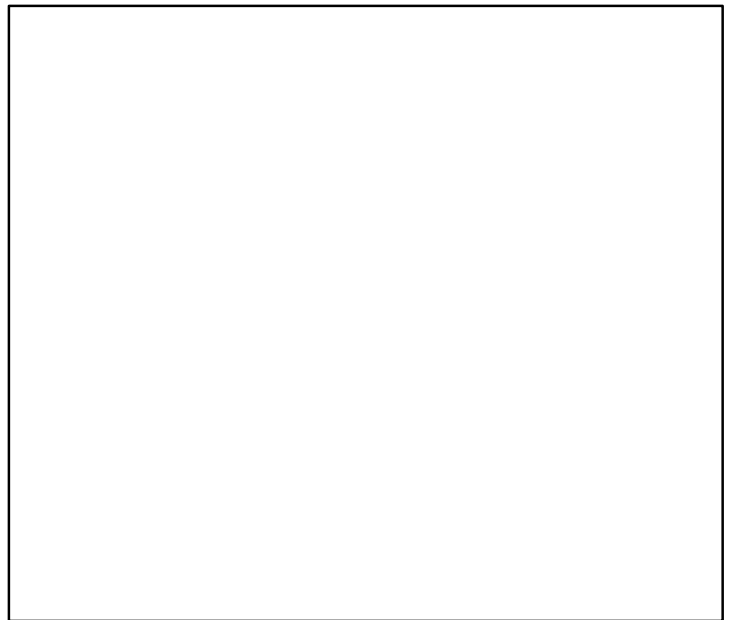
Kobe MGT*



Spawner Recruit (2009–2013–OSIO)



Production*



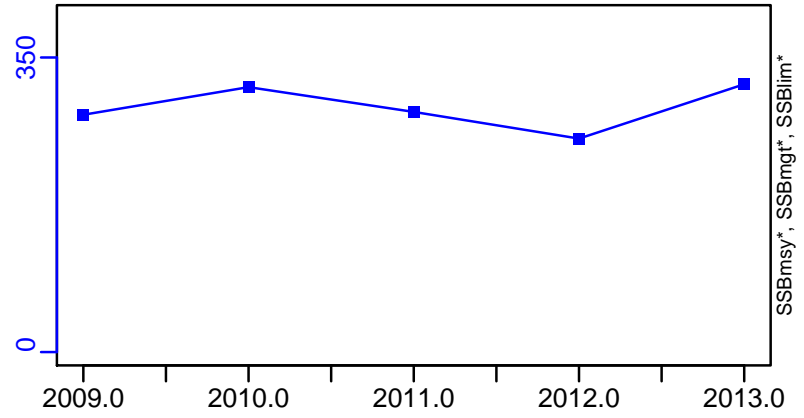
◆ Start Year ◆ End Year * No Data

Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

TB*



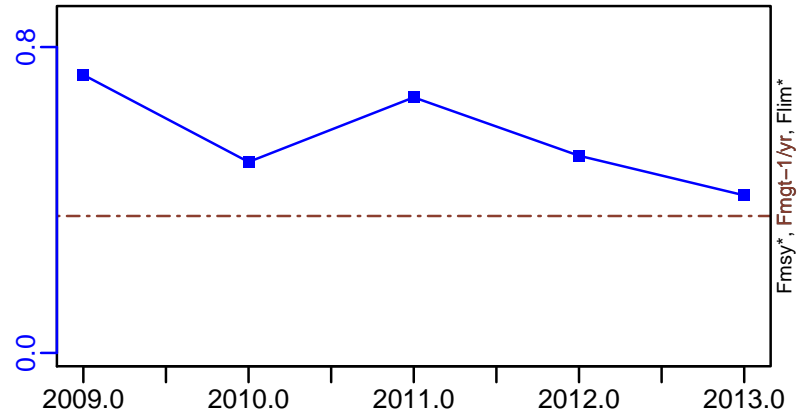
SSB-MT (2009–2013–OSIO)



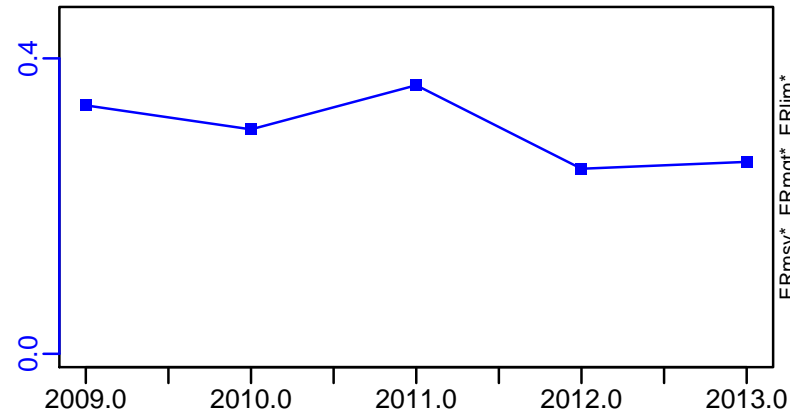
TN *



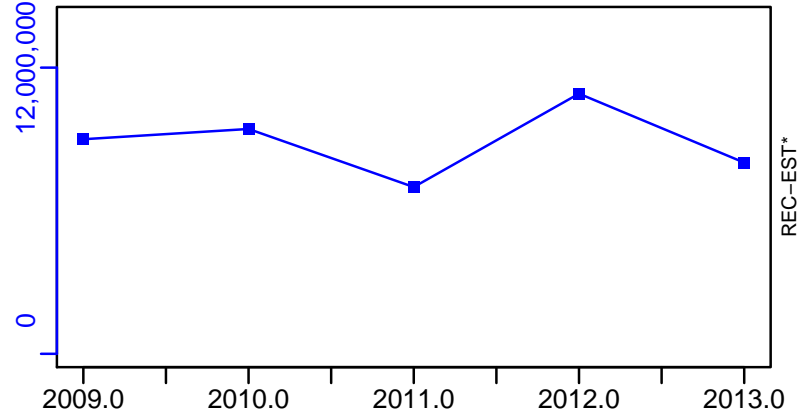
F-1/yr (2009–2013–OSIO)



ER-calc-ratio (2009–2013–OSIO)



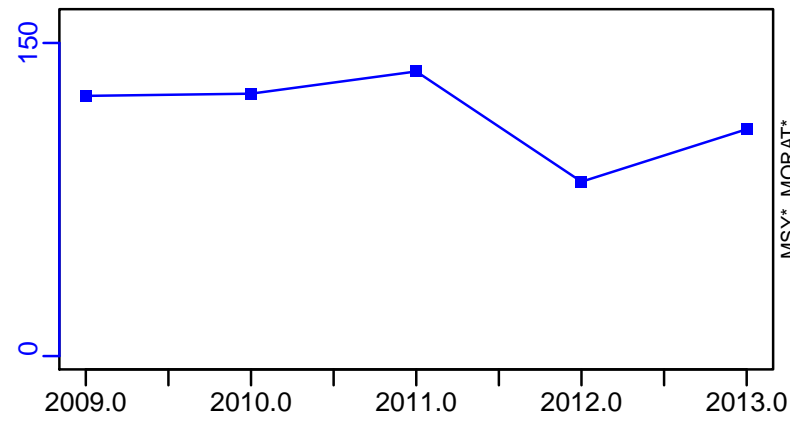
R-E00 (2009–2013–OSIO)



Blue whiting Ligurian and North Tyrrhenian Sea [BWHITMEDGSA9]

TC-MT, TL*, RecC* (2009–2013–OSIO)

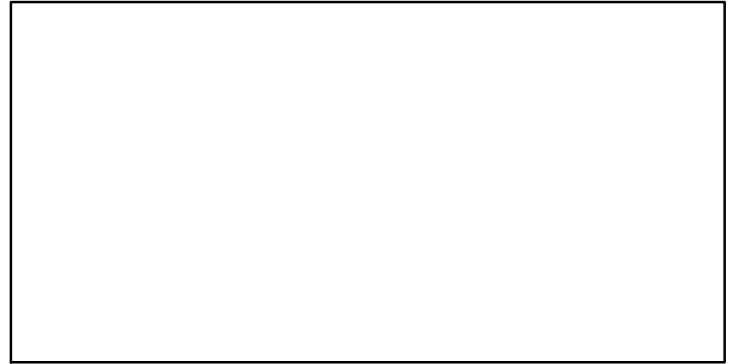
TAC*, Cpair*, Cadv*



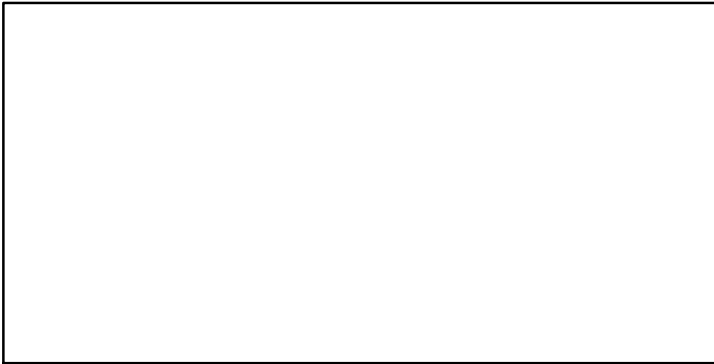
survB*



CPUE*



EFFORT*



Common pandora Malta Island and South of Sicily [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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

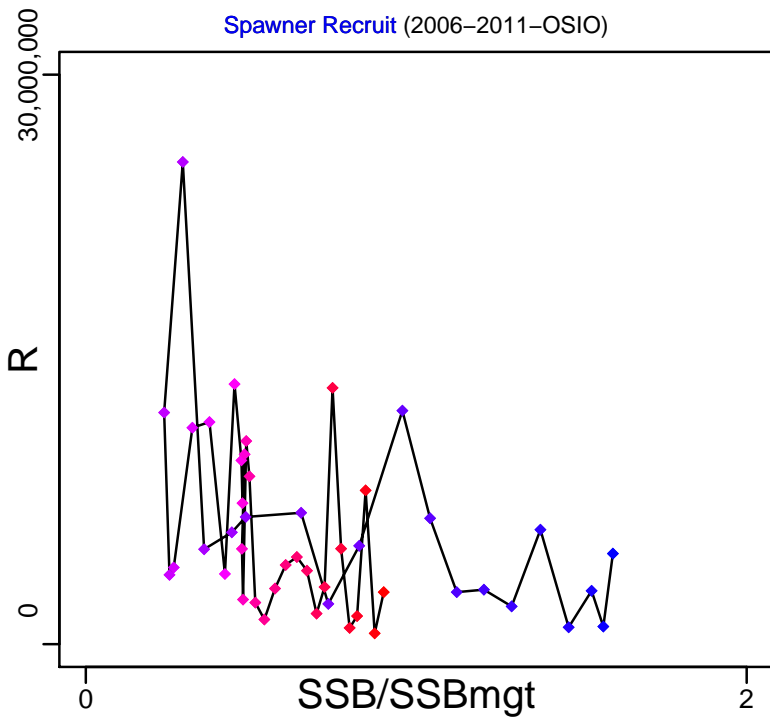
Kobe MSY*



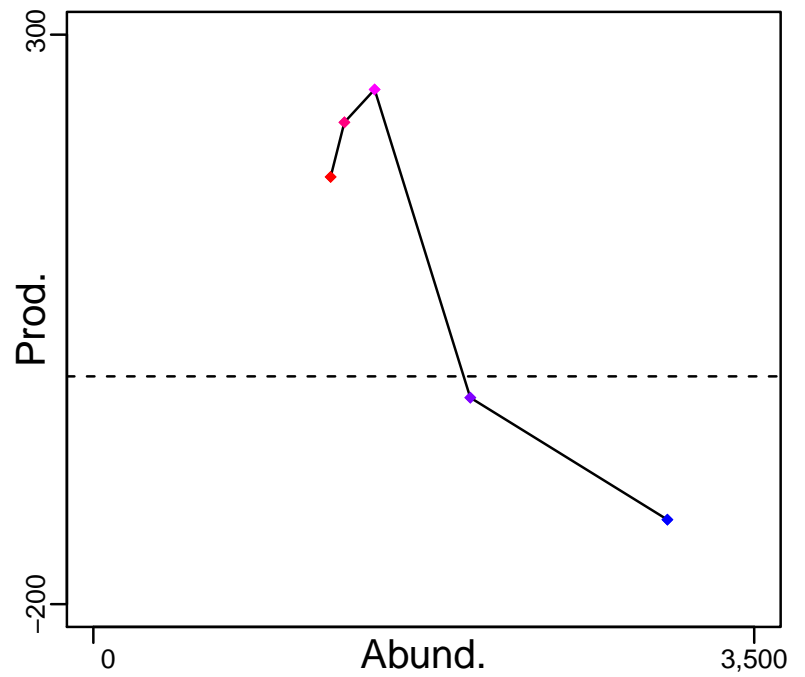
Kobe MGT*



Spawner Recruit (2006–2011–OSIO)



Production (2006–2011–OSIO)



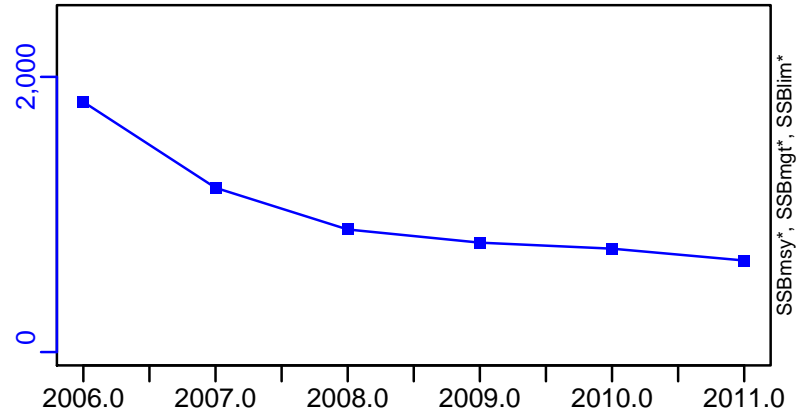
◆ Start Year ◆ End Year * No Data

Common pandora Malta Island and South of Sicily [CPANDMEDGSA15–16]

TB*



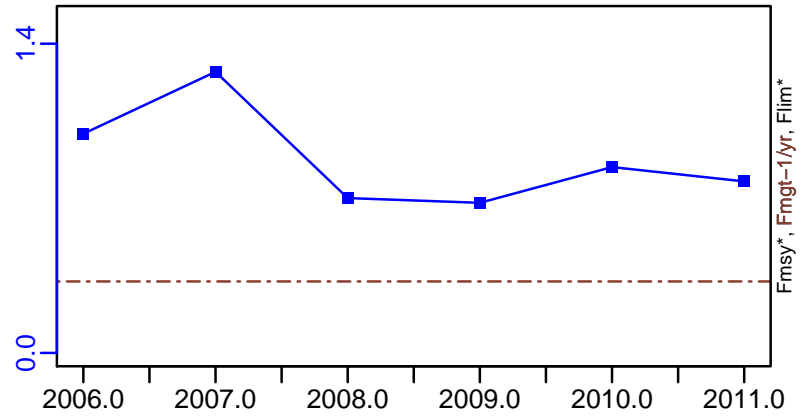
SSB-MT (2006–2011–OSIO)



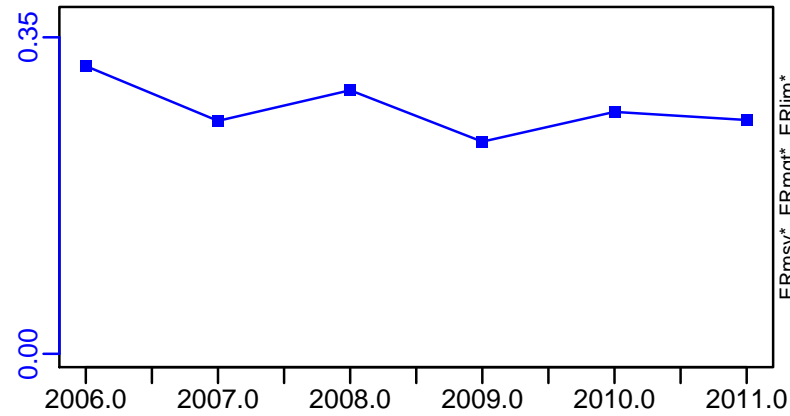
TN *



F-1/yr (2006–2011–OSIO)



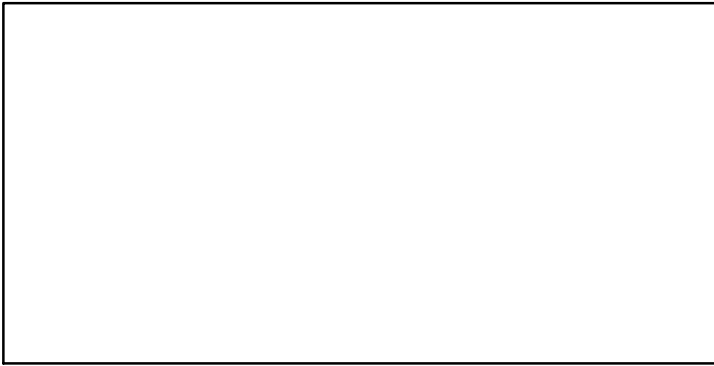
ER-calc-ratio (2006–2011–OSIO)



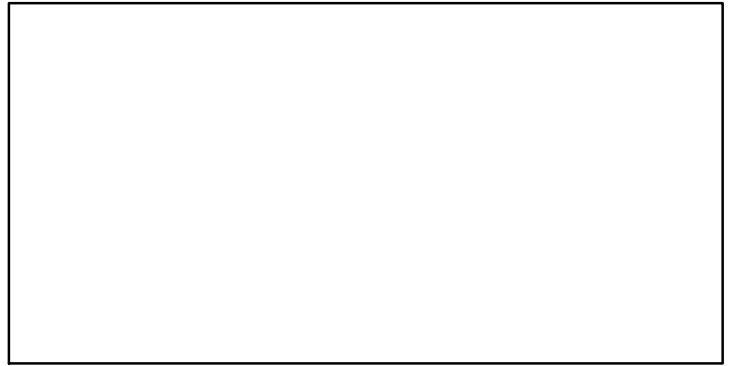
Recruits*



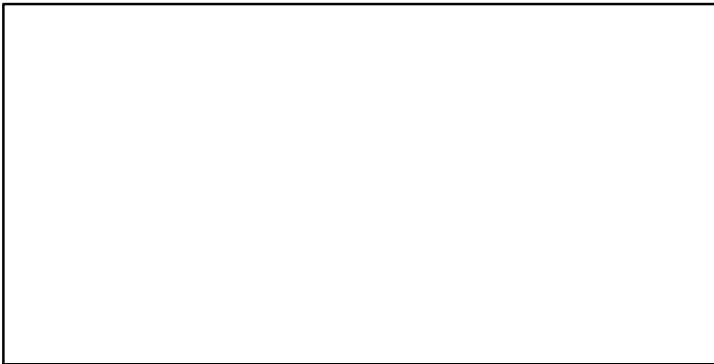
TC*, TL*, RecC*



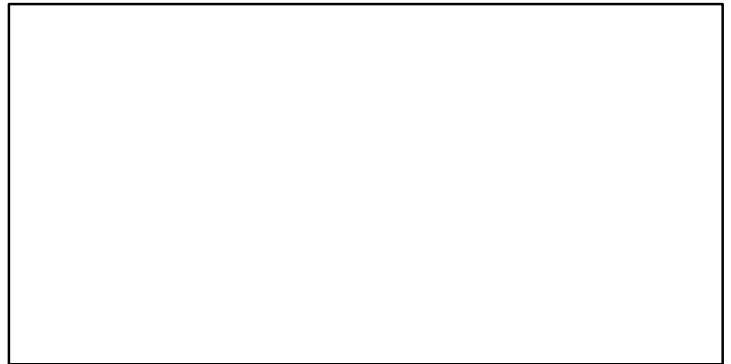
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



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

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

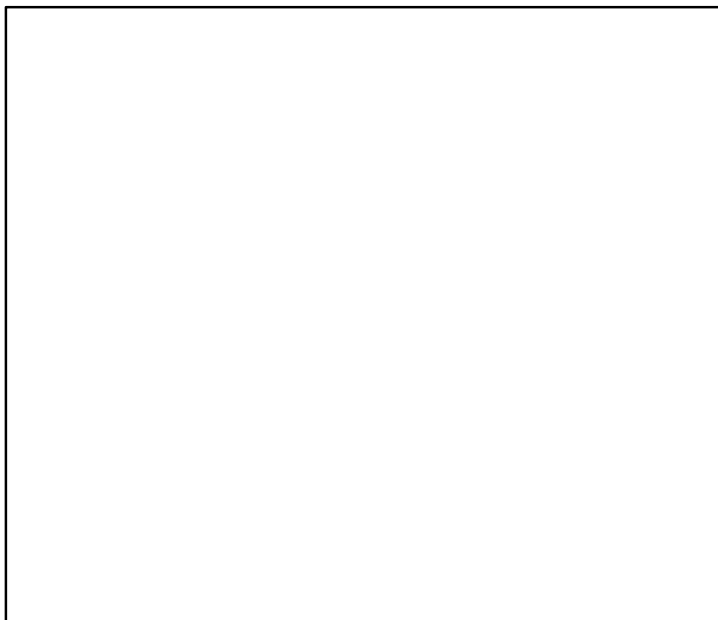
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.48
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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	-	-	-		

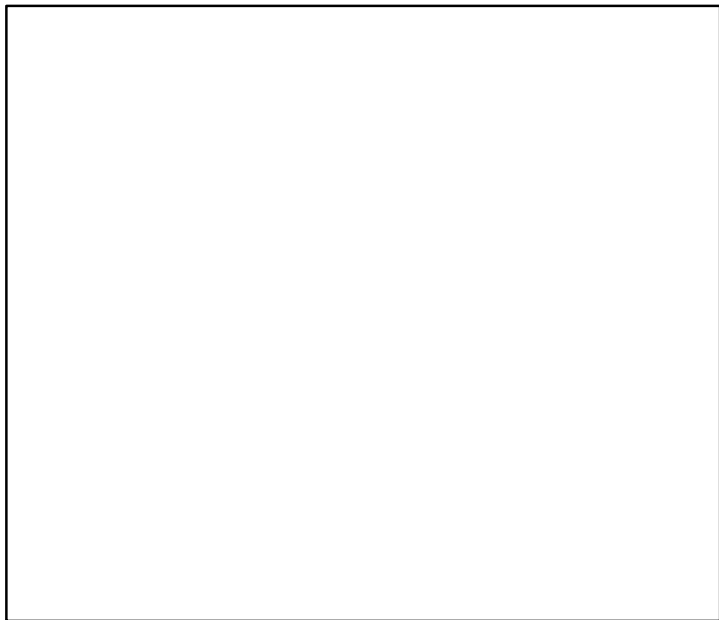
Kobe MSY*



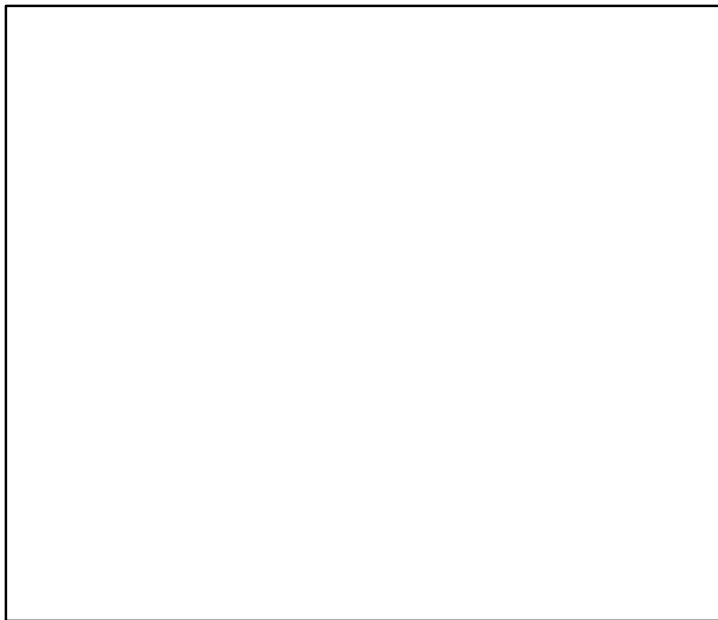
Kobe MGT*



Spawner Recruit*



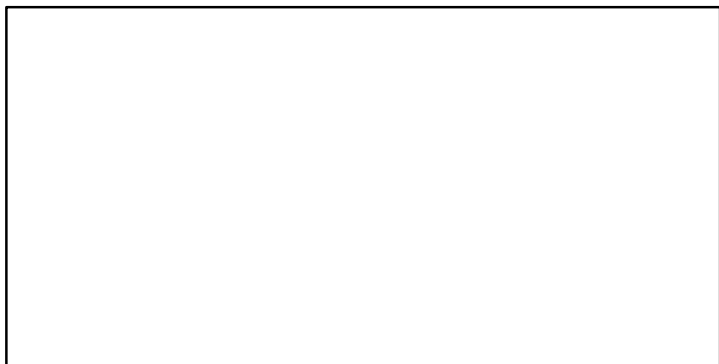
Production*



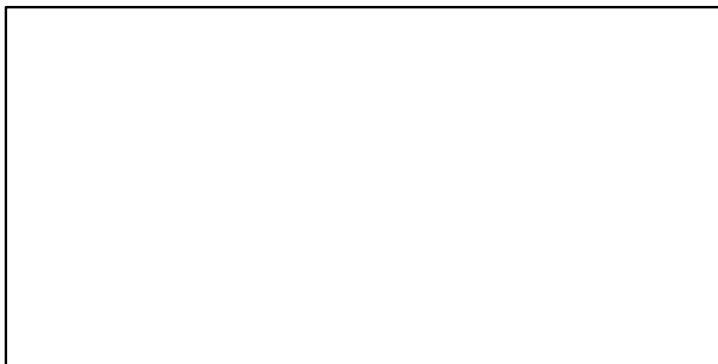
◆ Start Year ◆ End Year * No Data

Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]

TB*



SSB*



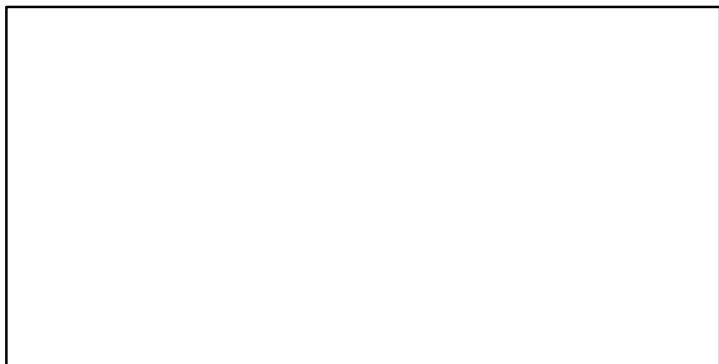
TN *



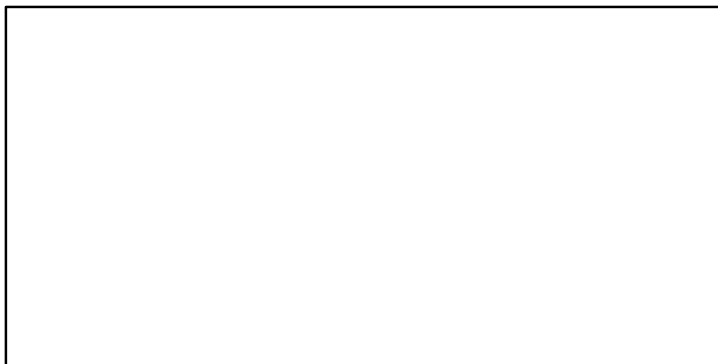
F*



ER*

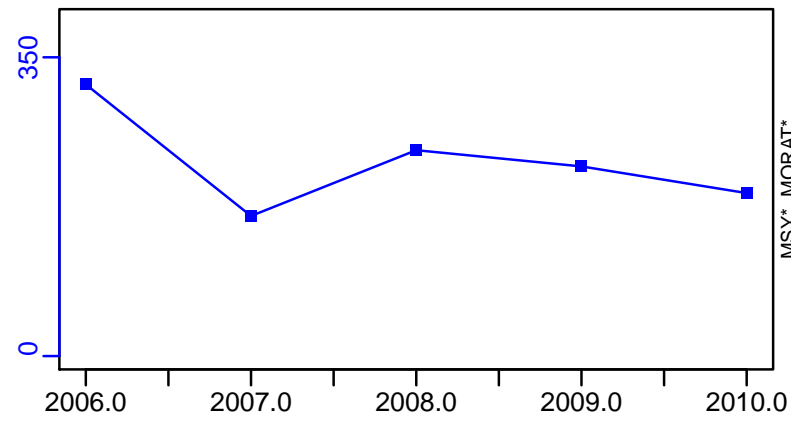


Recruits*



Common pandora Ligurian and North Tyrrhenian Sea [CPANDMEDGSA9]

TC-MT, TL*, RecC* (2006–2010–OSIO)



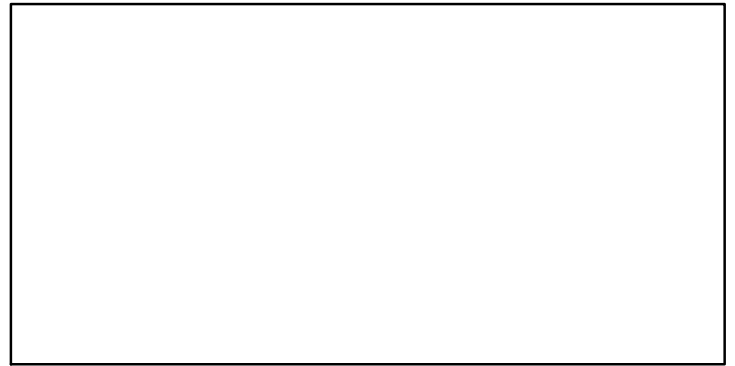
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*

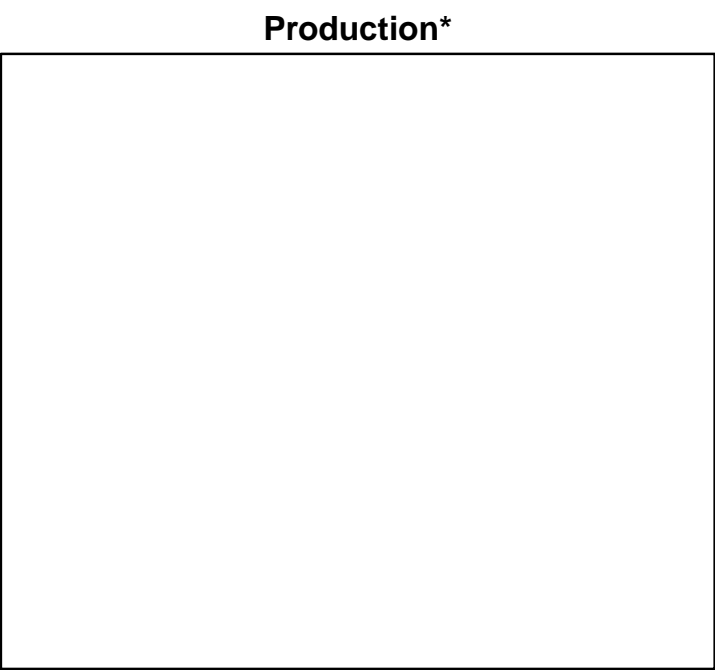
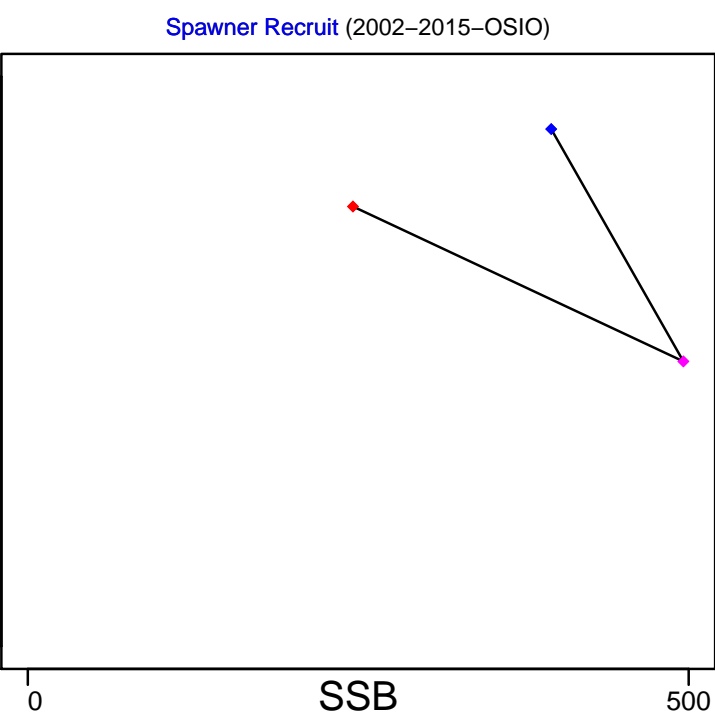
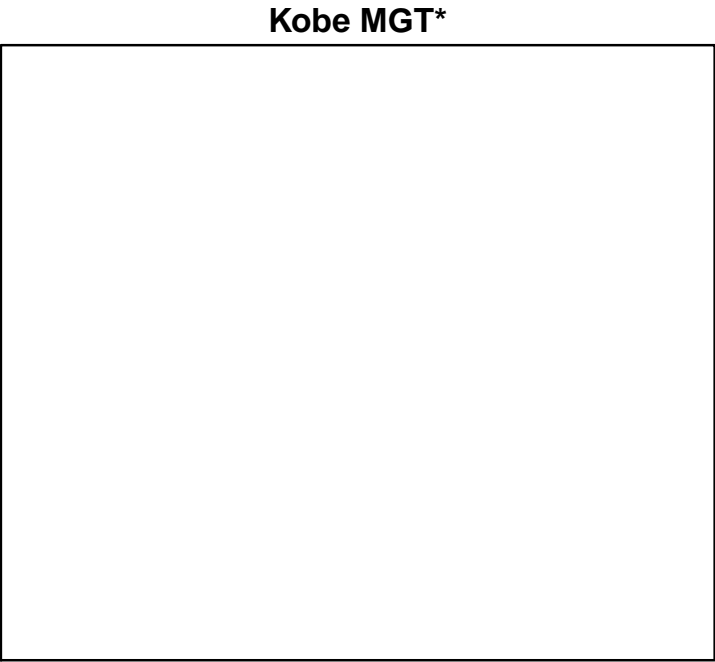


European seabass Gulf of Lions [EBASSGSA7]

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	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

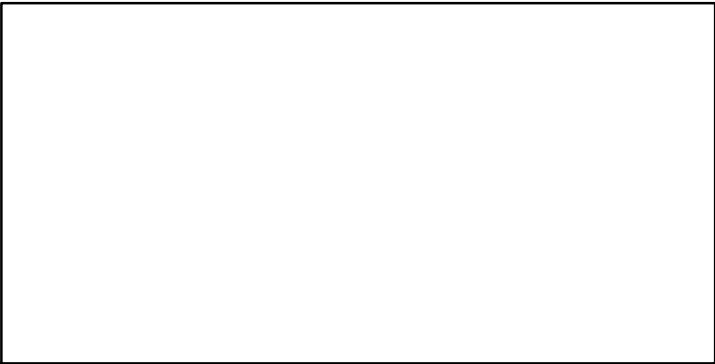
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2015	246	-	-
TN	-	-	-	-	-
R	R-E00	2015	3.86×10^8	-	-
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	1	-	-
TC	-	-	-		
TL	TL-MT	2015	272		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt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



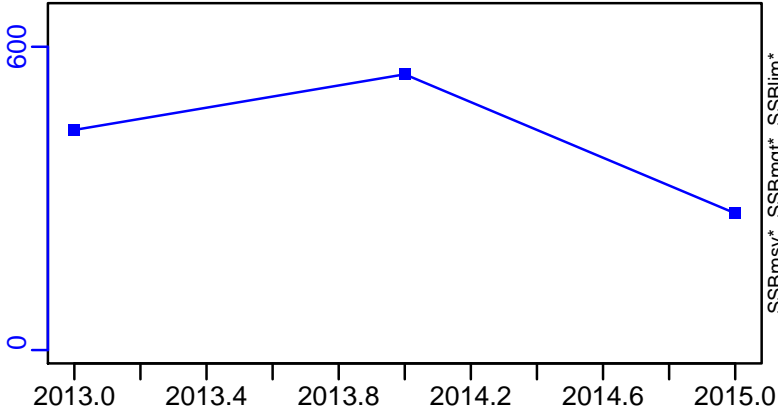
◆ Start Year ◆ End Year * No Data

European seabass Gulf of Lions [EBASSGSA7]

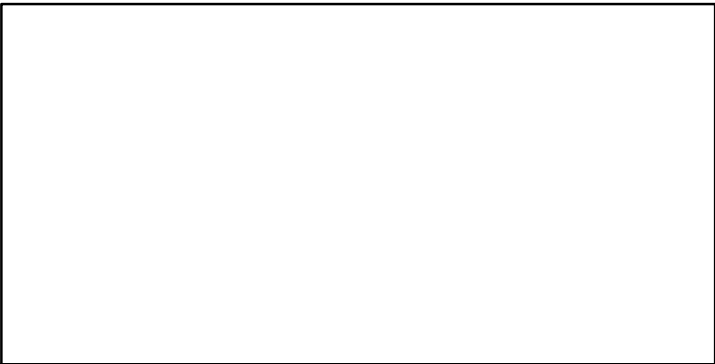
TB*



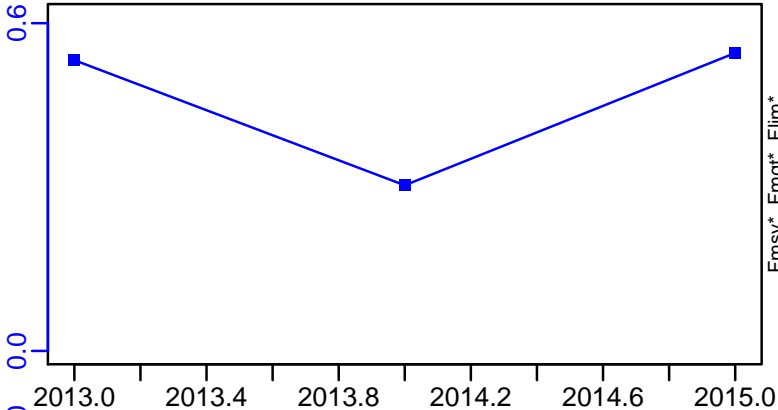
SSB-MT (2002–2015–OSIO)



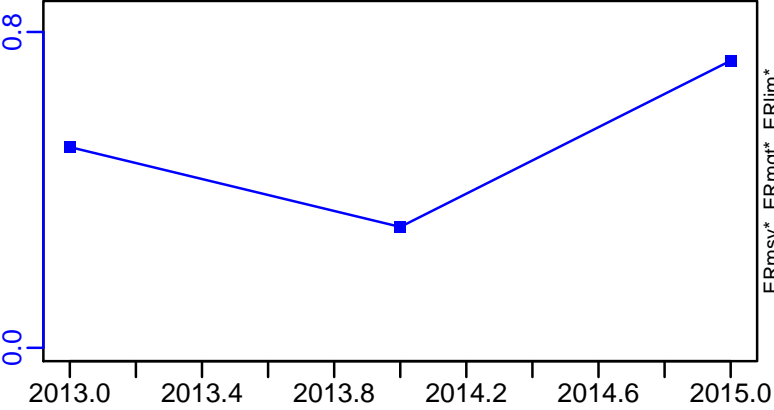
TN *



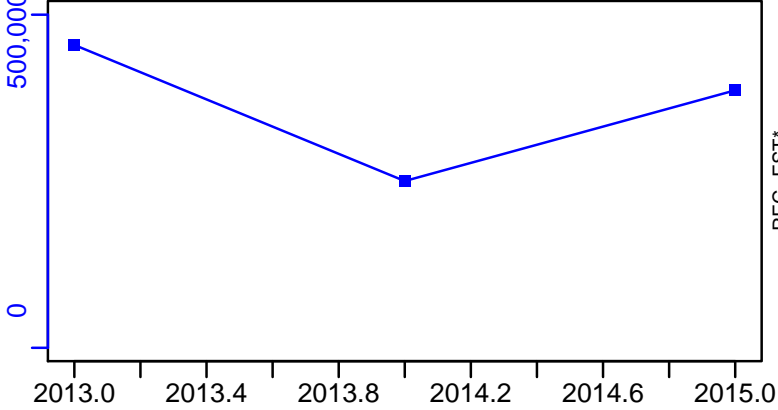
F-1/yr (2002–2015–OSIO)



ER-calc-ratio (2002–2015–OSIO)

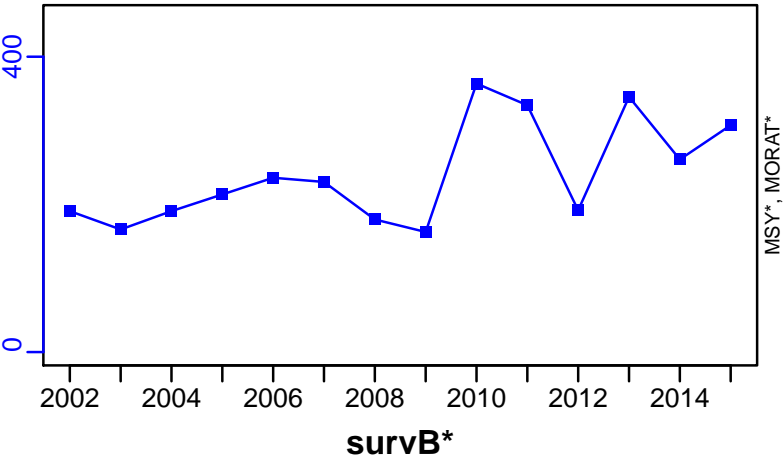


R-E00 (2002–2015–OSIO)



European seabass Gulf of Lions [EBASSGSA7]

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



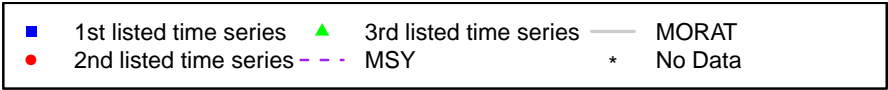
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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	40.9		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



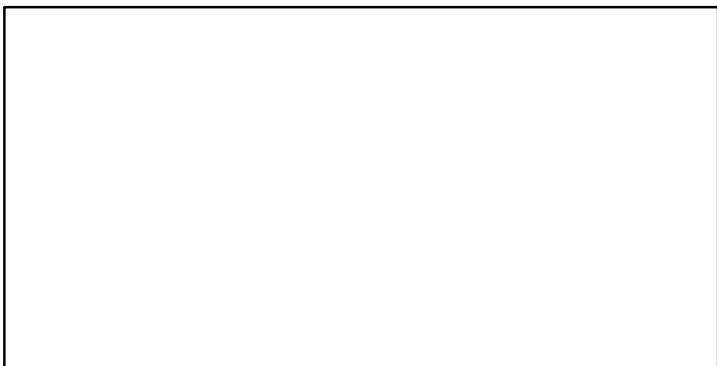
Production*



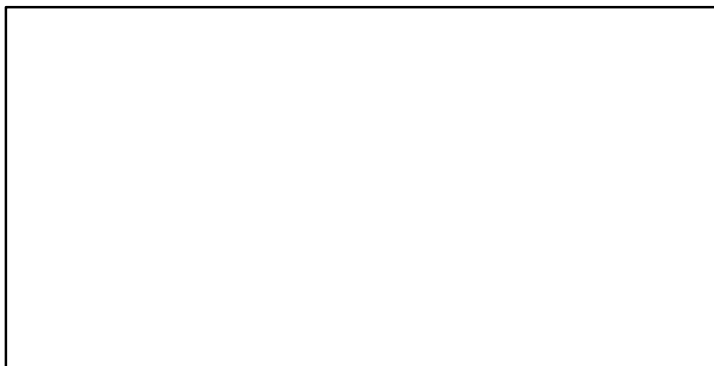
◆ Start Year ◆ End Year * No Data

Greater forkbeard Ligurian and North Tyrrhenian Sea [GFORKBMEDGSA9]

TB*



SSB*



TN *



F*



ER*

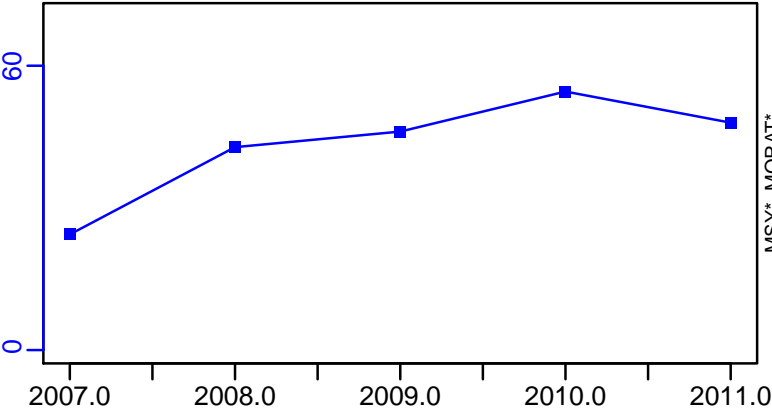


Recruits*



Greater forkbeard Ligurian and North Tyrrhenian Sea [GFORKBMEDGSA9]

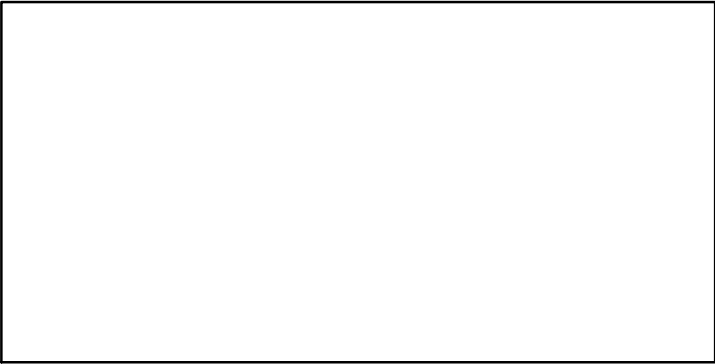
TC-MT, TL*, RecC* (2007-2011-OSIO)



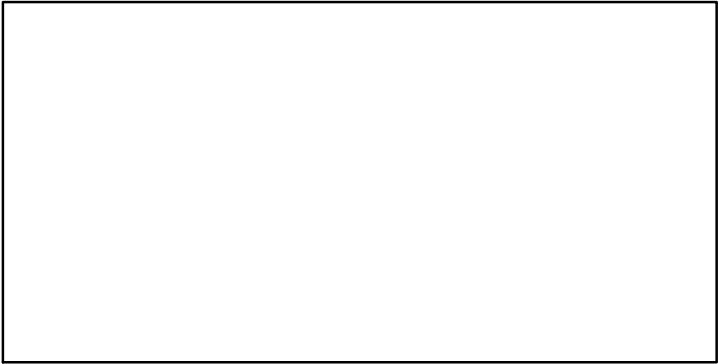
TAC*, Cpair*, Cadv*



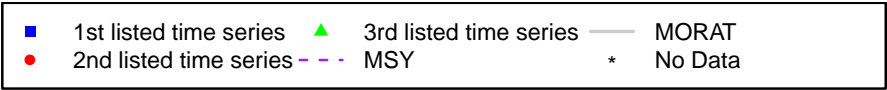
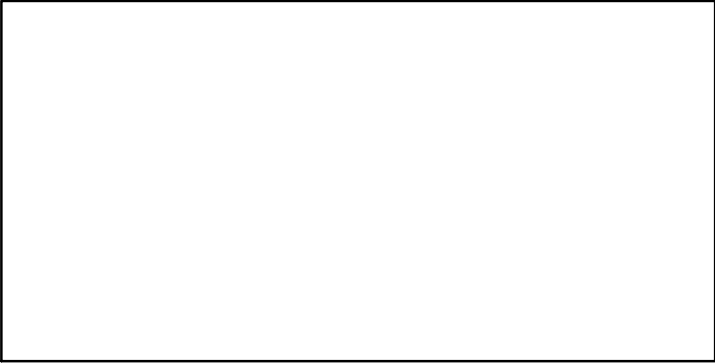
survB*



CPUE*



EFFORT*

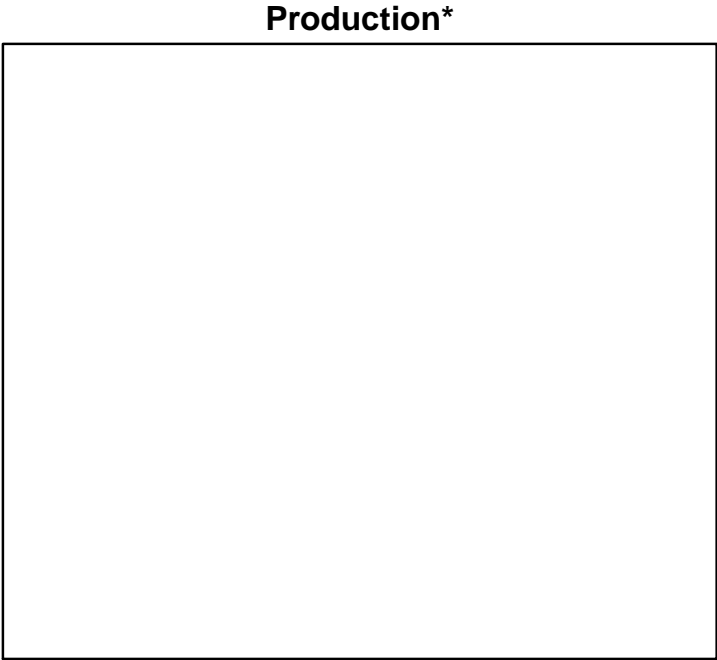
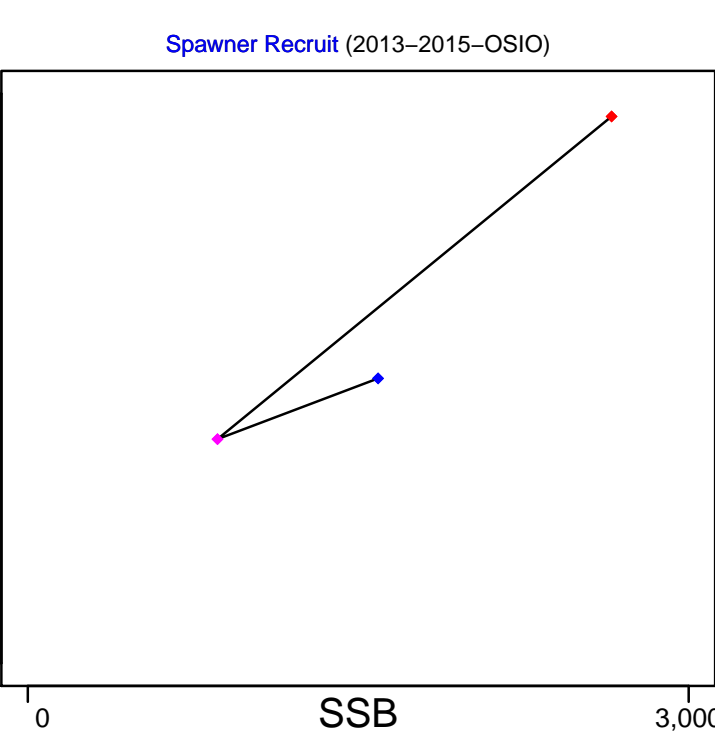


Gilthead seabream Gulf of Lions [GHBRMGSA7]

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	-	-	-
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	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	-	-	-		
TL	TL-MT	2015	1700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



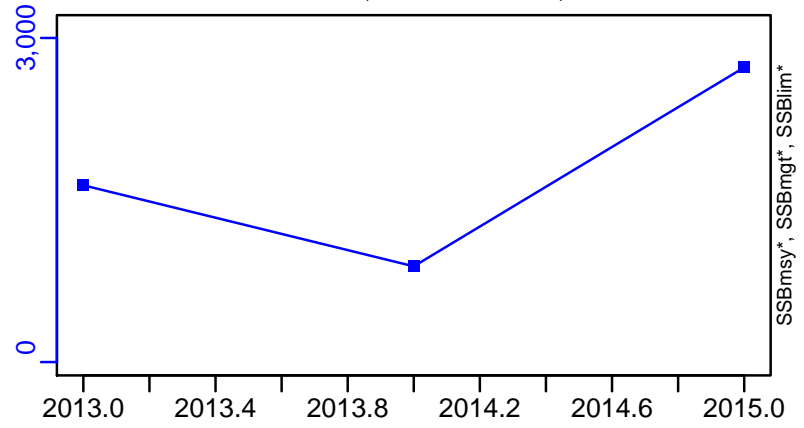
◆ Start Year ◆ End Year * No Data

Gilthead seabream Gulf of Lions [GHBRMGSA7]

TB*



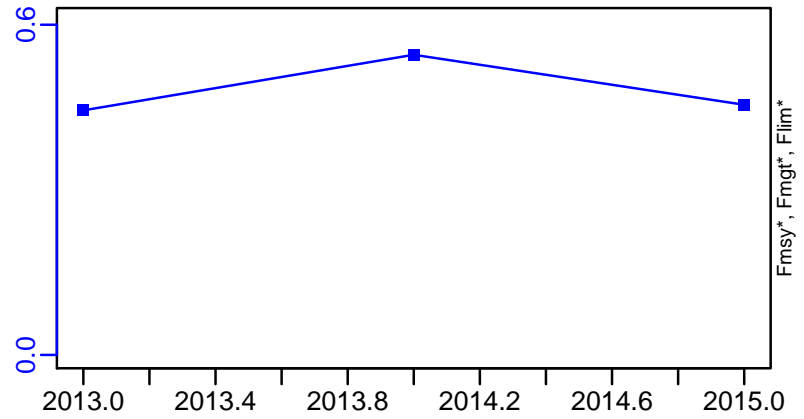
SSB-MT (2013–2015–OSIO)



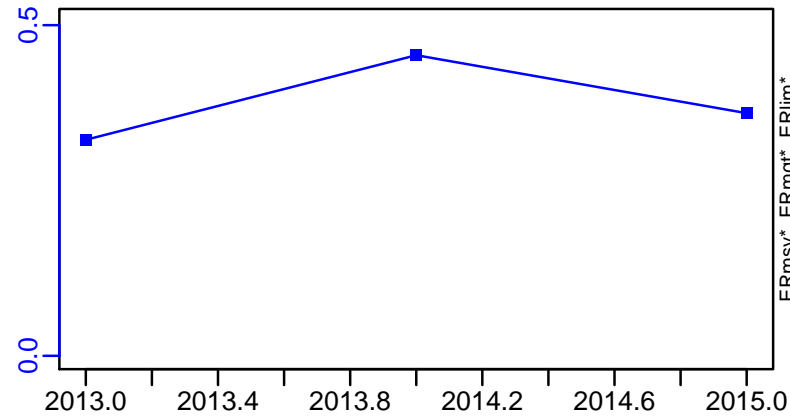
TN *



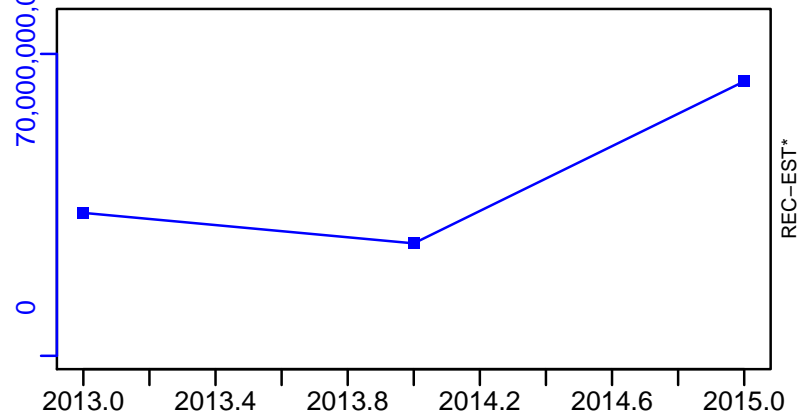
F-1/yr (2013–2015–OSIO)



ER-calc-ratio (2013–2015–OSIO)



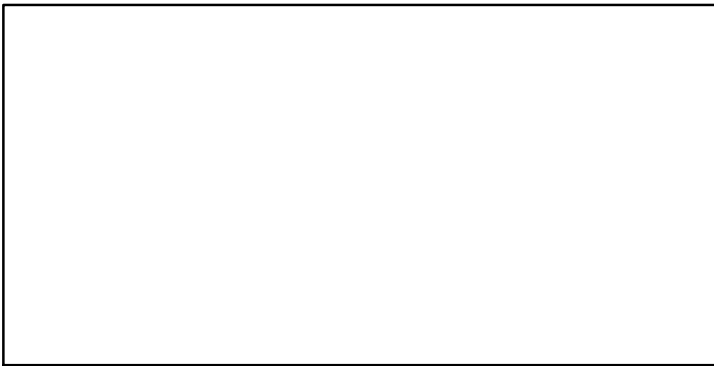
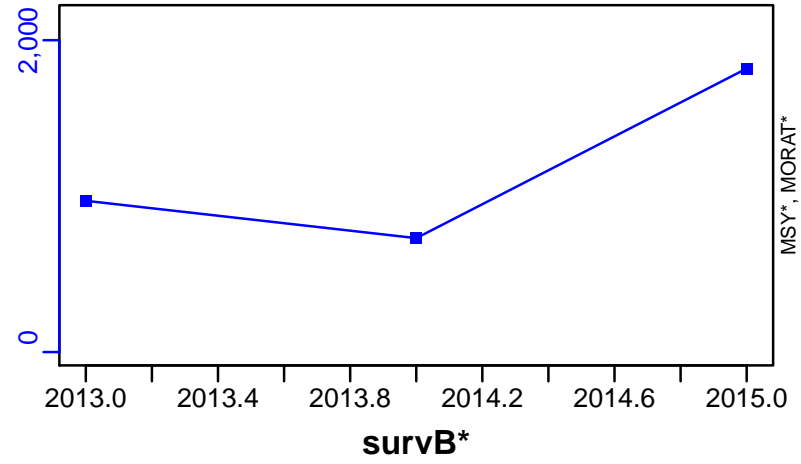
R-E00 (2013–2015–OSIO)



Gilthead seabream Gulf of Lions [GHBRMGSA7]

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

TAC*, Cpair*, Cadv*



Giant red shrimp South Tyrrhenian Sea [GRSHRIMPEDGSA10]

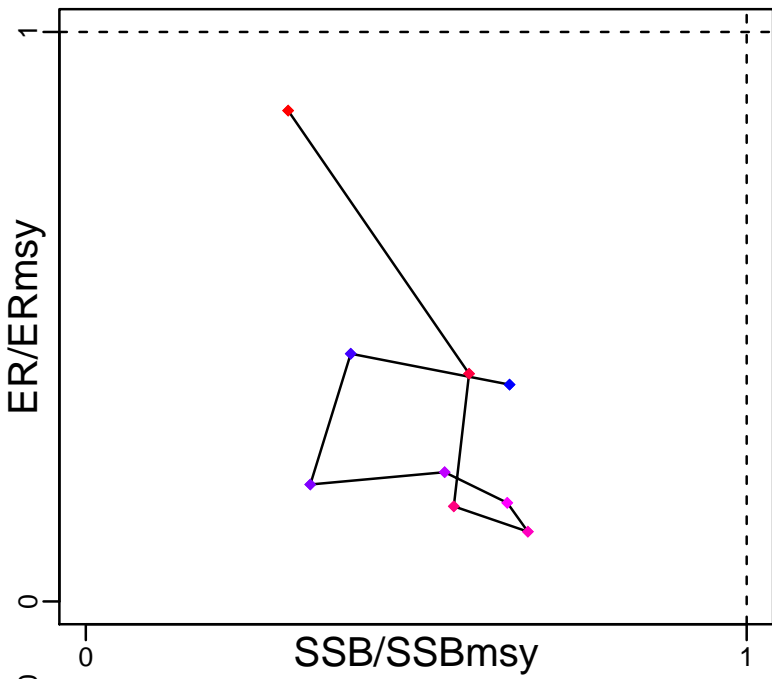
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA10-2006-2014-OSIO
Area	South Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	866
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.57
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.65
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	1720
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	265
Flim	-	-	-
ERlim	-	-	-

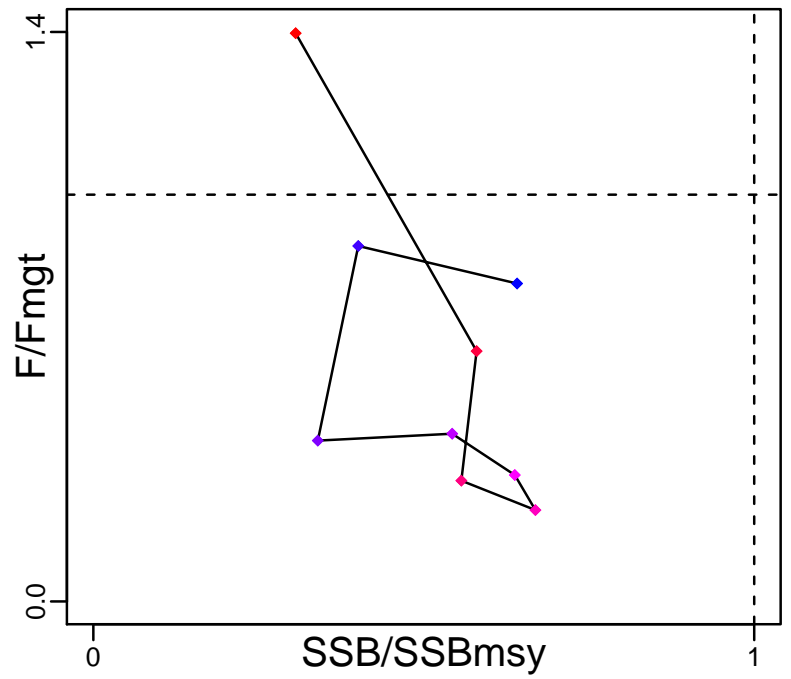
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	265	-	2+
TN	-	-	-	-	-
R	R-E00	2014	1.68×10^8	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	454		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.31		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.86		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.4		
ER/ERmgt	-	-	-		

Giant red shrimp South Tyrrhenian Sea [GRSHRIMPEDGSA10]

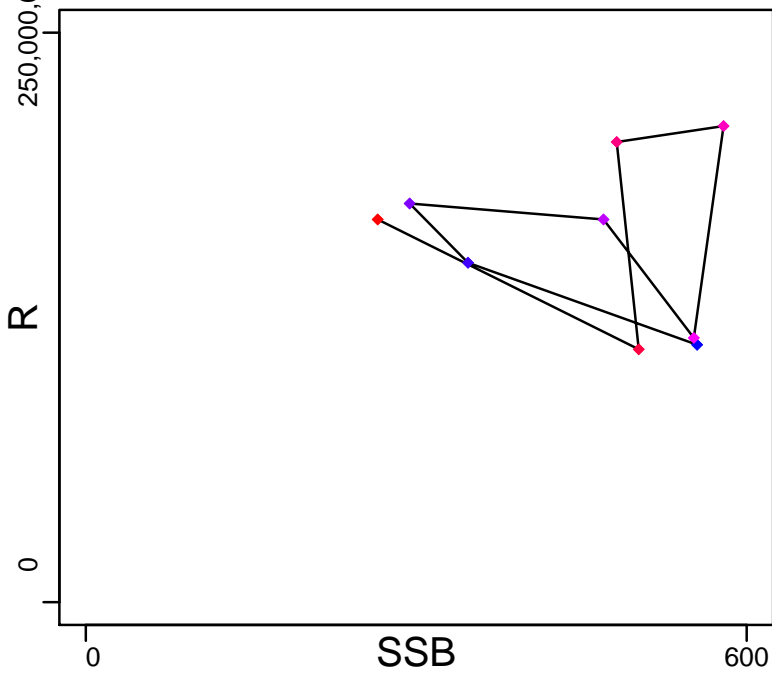
Kobe MSYpref (2006–2014–OSIO)



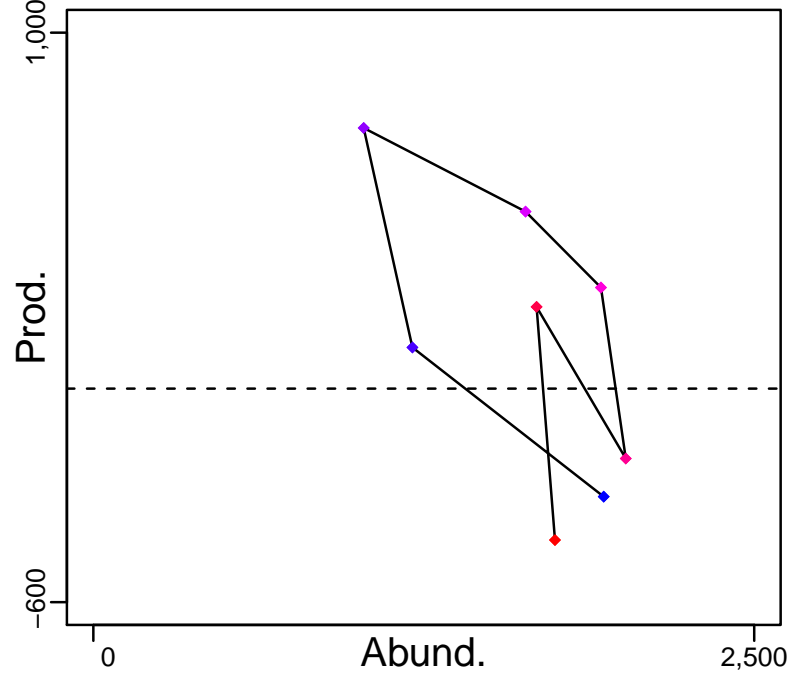
Kobe MGTpref (2006–2014–OSIO)



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



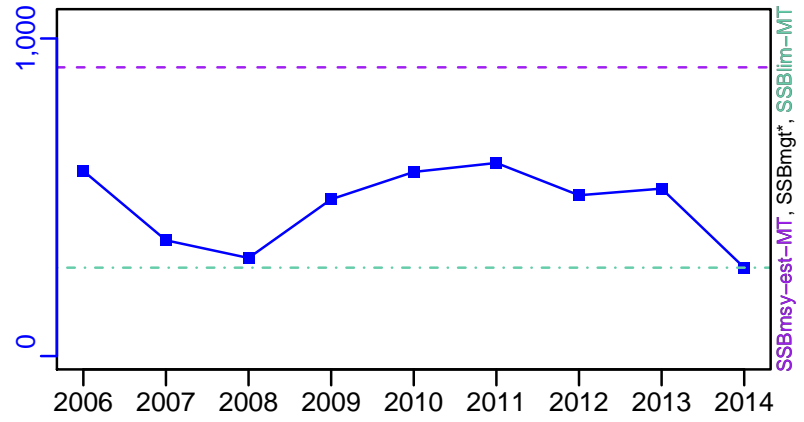
◆ Start Year ◆ End Year * No Data

Giant red shrimp South Tyrrhenian Sea [GRSHRIMPEDGSA10]

TB*



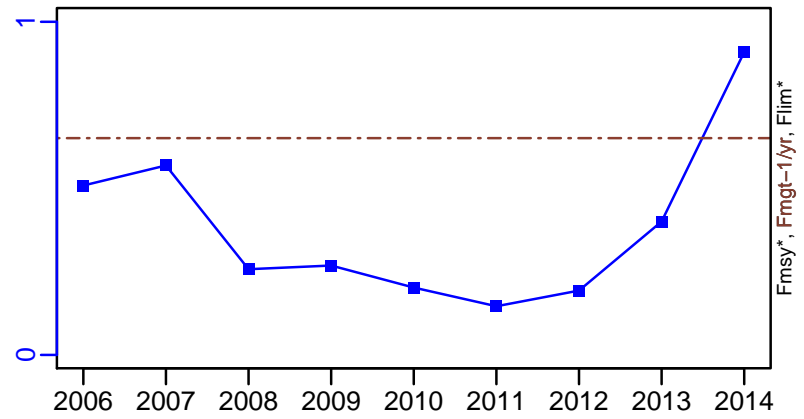
SSB-MT (2006–2014–OSIO)



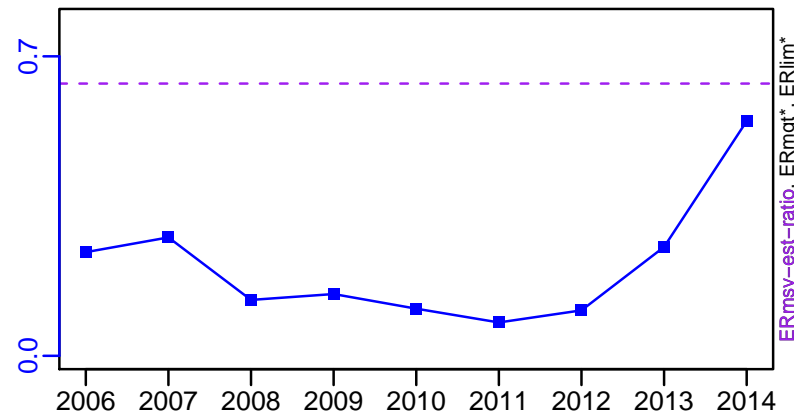
TN *



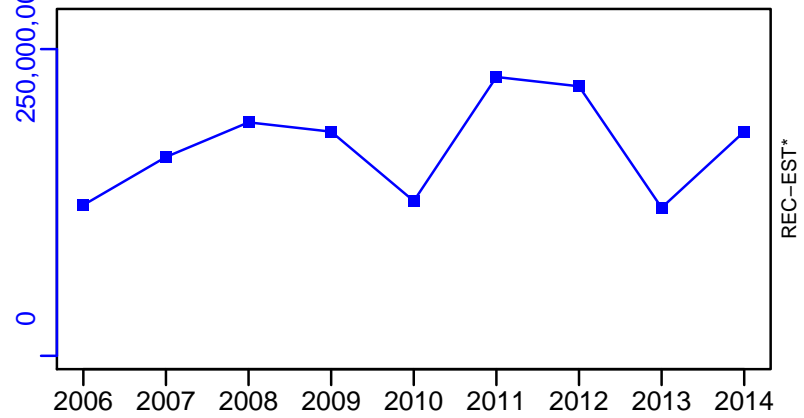
F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)



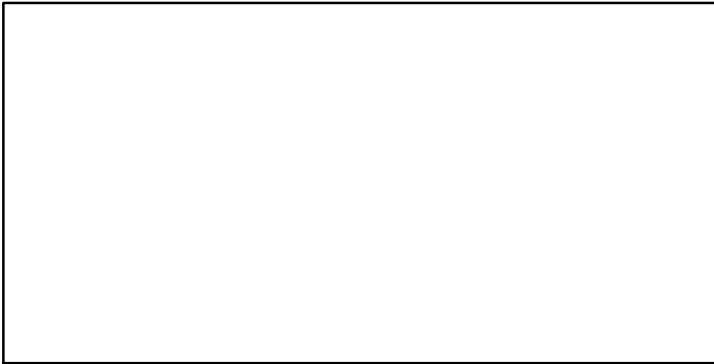
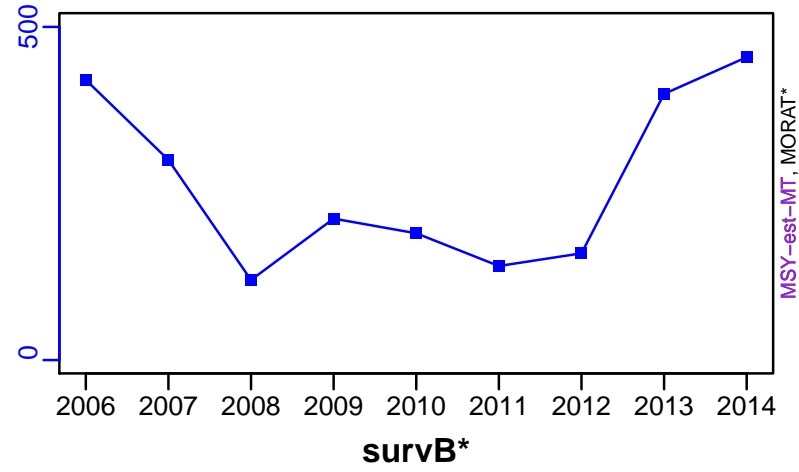
R-E00 (2006–2014–OSIO)



Giant red shrimp South Tyrrhenian Sea [GRSHRIMPEDGSA10]

TC-MT, TL*, RecC* (2006–2014–OSIO)

TAC*, Cpair*, Cadv*



Giant red shrimp Sardinia [GRSHRIMPEDGSA11]

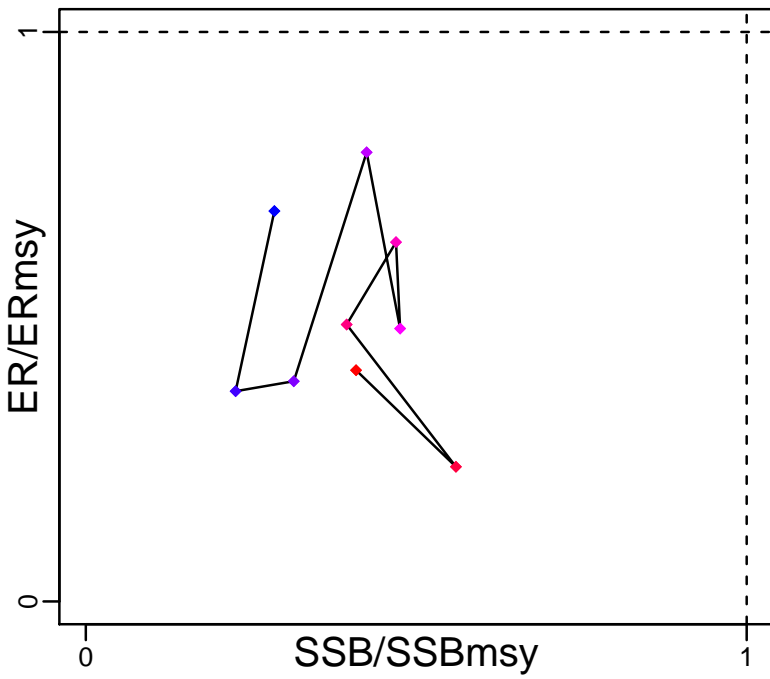
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA11-2006-2014-OSIO
Area	Sardinia
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	112
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.76
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.31
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	298
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	26
Flim	-	-	-
ERlim	-	-	-

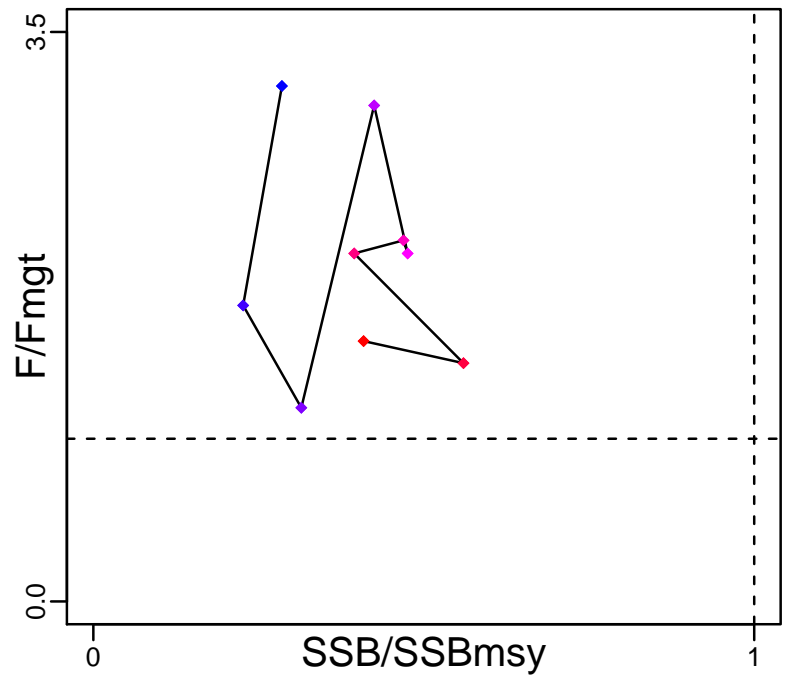
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	46	-	2+
TN	-	-	-	-	-
R	R-E00	2014	18,200,000	-	-
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	49.4		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.41		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.41		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.6		
ER/ERmgt	-	-	-		

Giant red shrimp Sardinia [GRSHRIMPEDGSA11]

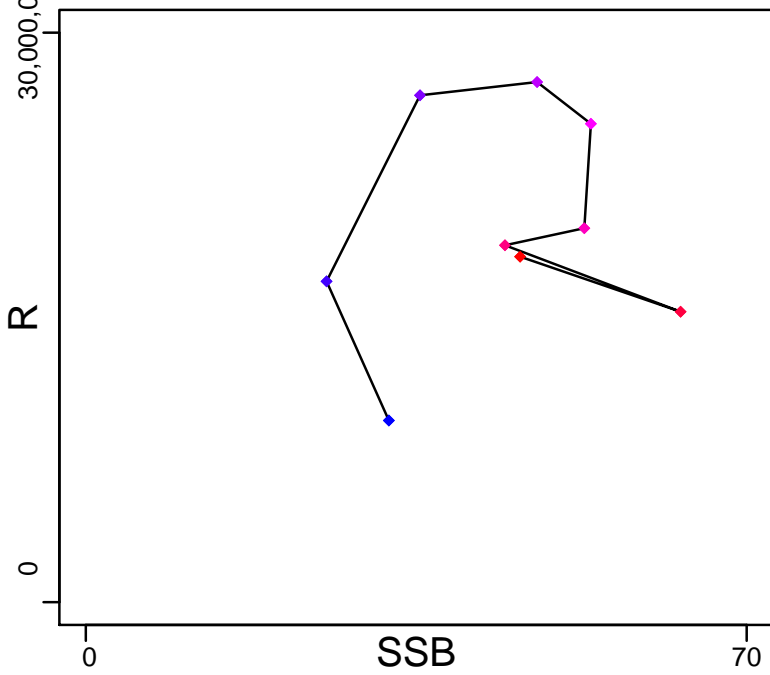
Kobe MSYpref (2006–2014–OSIO)



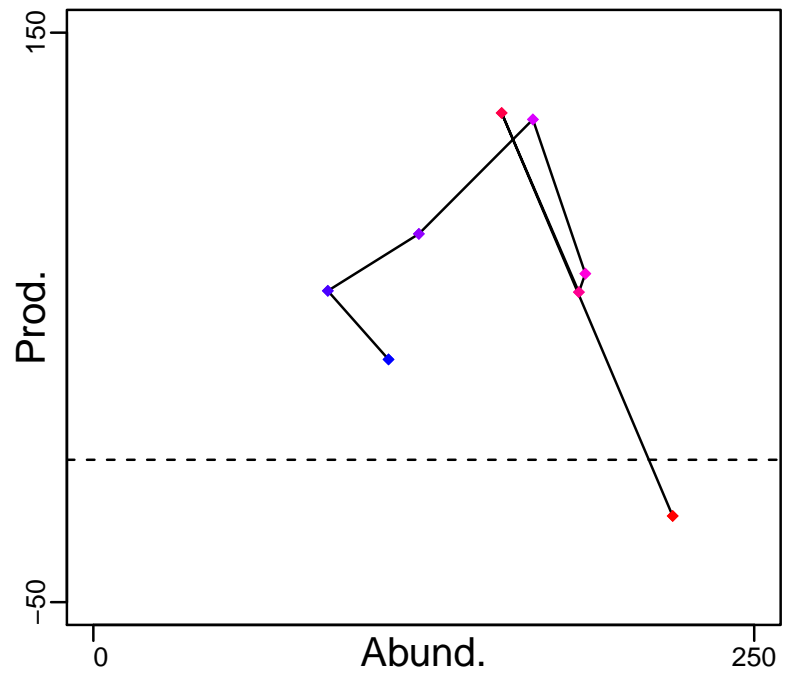
Kobe MGTpref (2006–2014–OSIO)



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



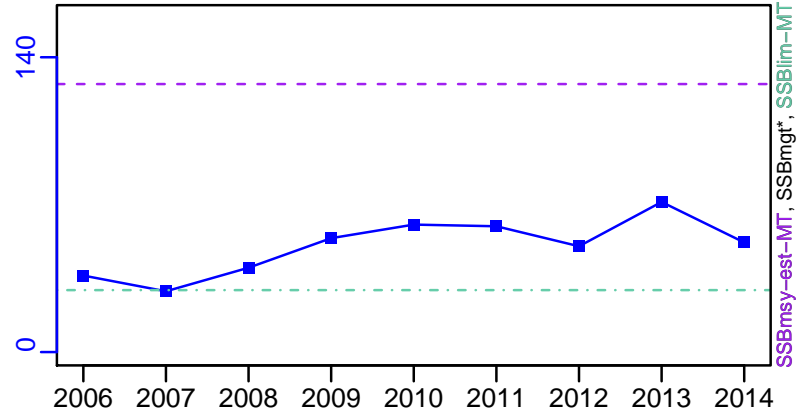
◆ Start Year ◆ End Year * No Data

Giant red shrimp Sardinia [GRSHRIMPEDGSA11]

TB*



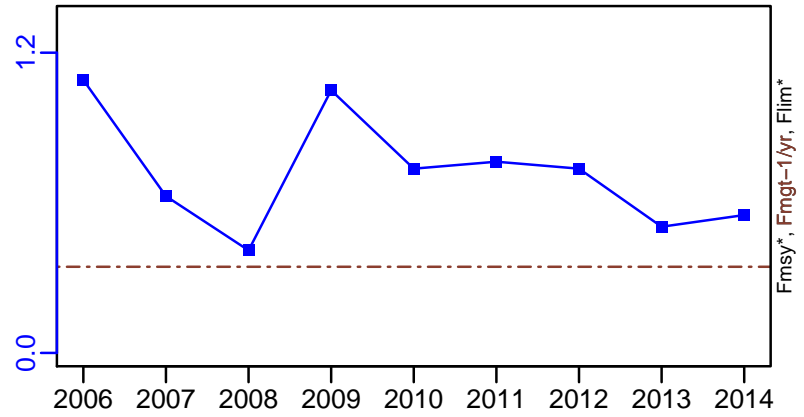
SSB-MT (2006–2014–OSIO)



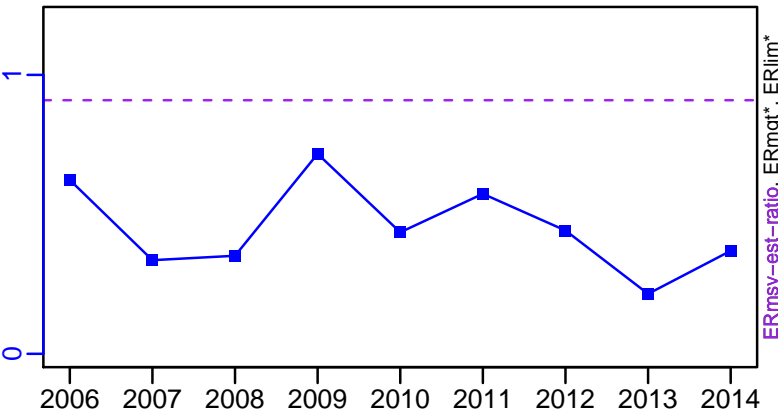
TN *



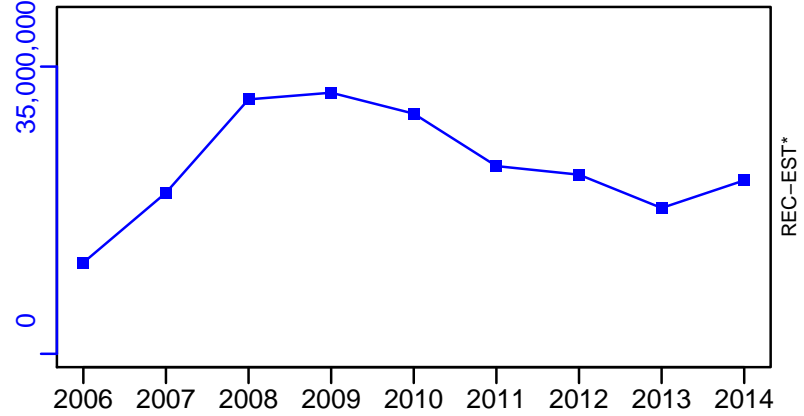
F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)

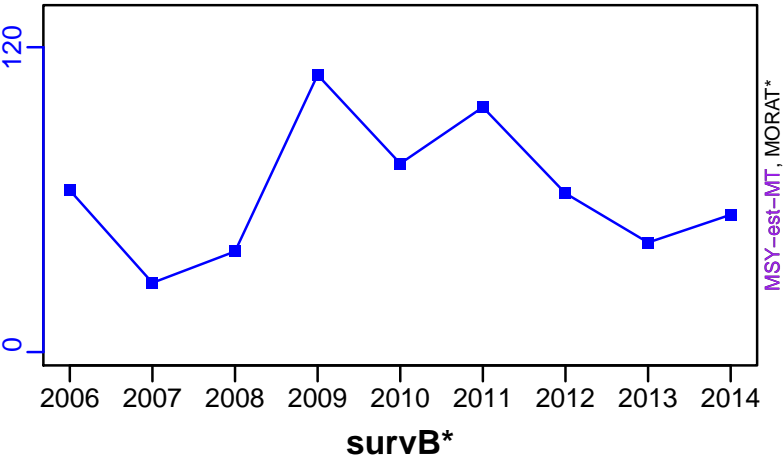


R-E00 (2006–2014–OSIO)



Giant red shrimp Sardinia [GRSHRIMPEDGSA11]

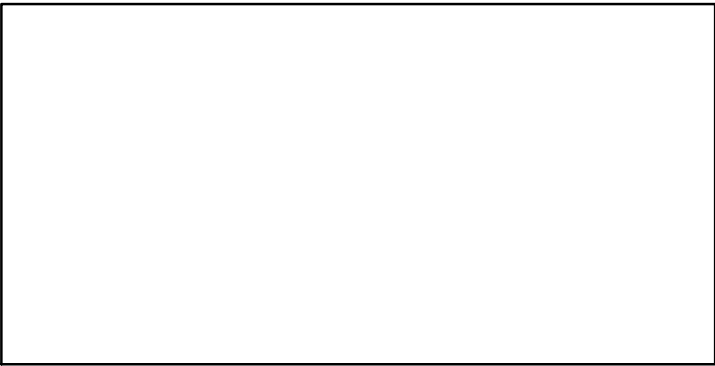
TC-MT, TL*, RecC* (2006–2014–OSIO)



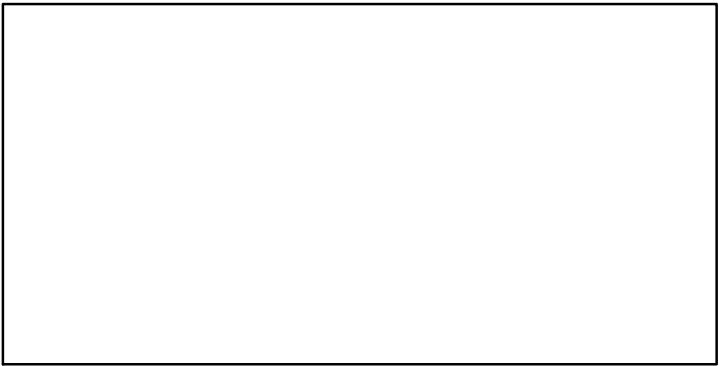
TAC*, Cpair*, Cadv*



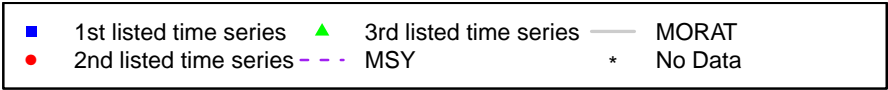
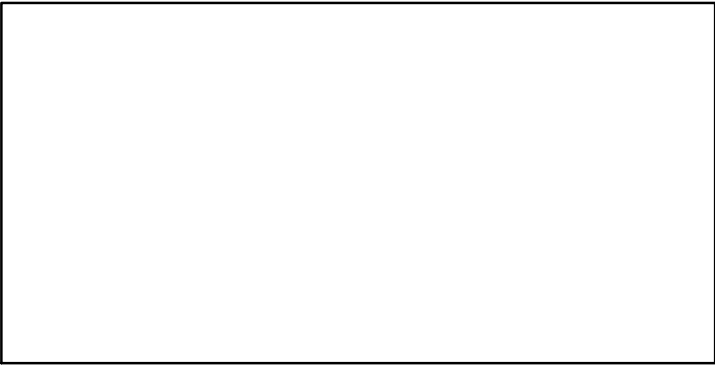
survB*



CPUE*



EFFORT*



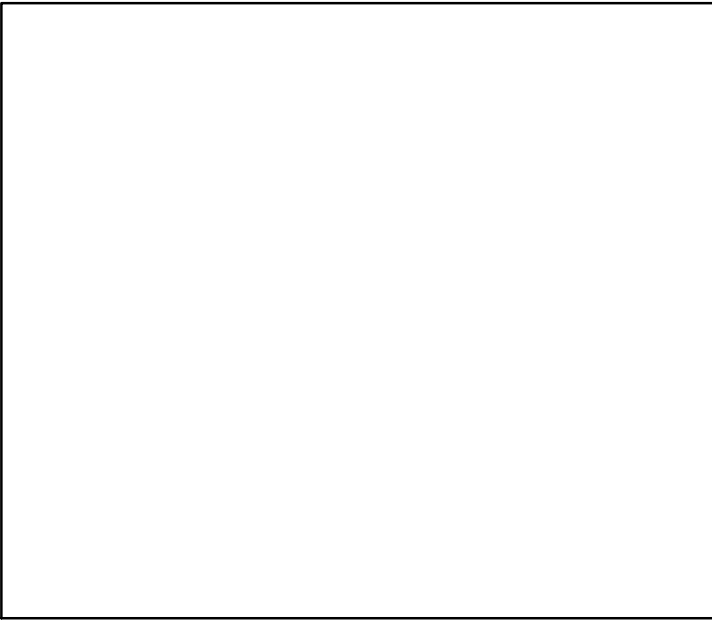
Giant red shrimp Geographical Sub-Areas 12-16 [GRSHRIMPEDGSA12-16]

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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

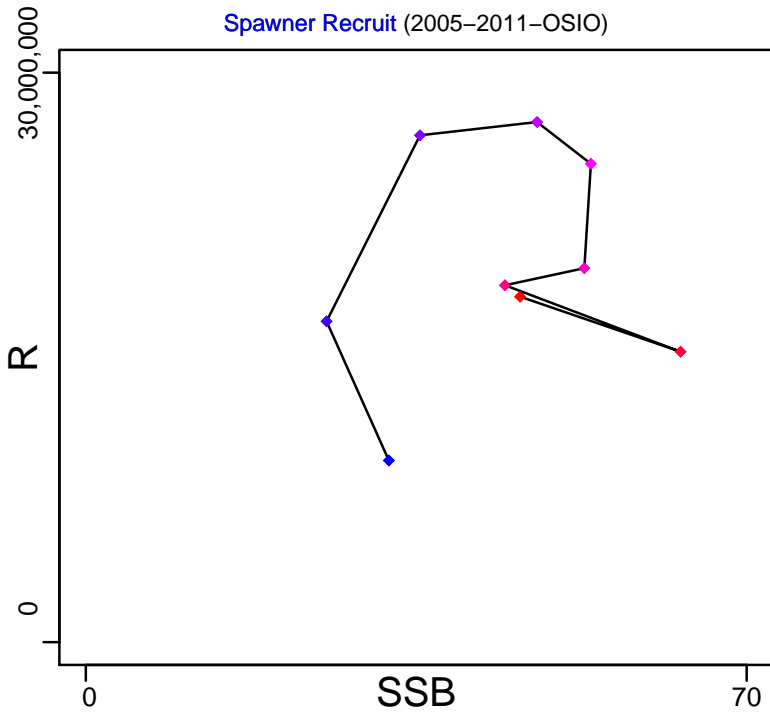
Kobe MSY*



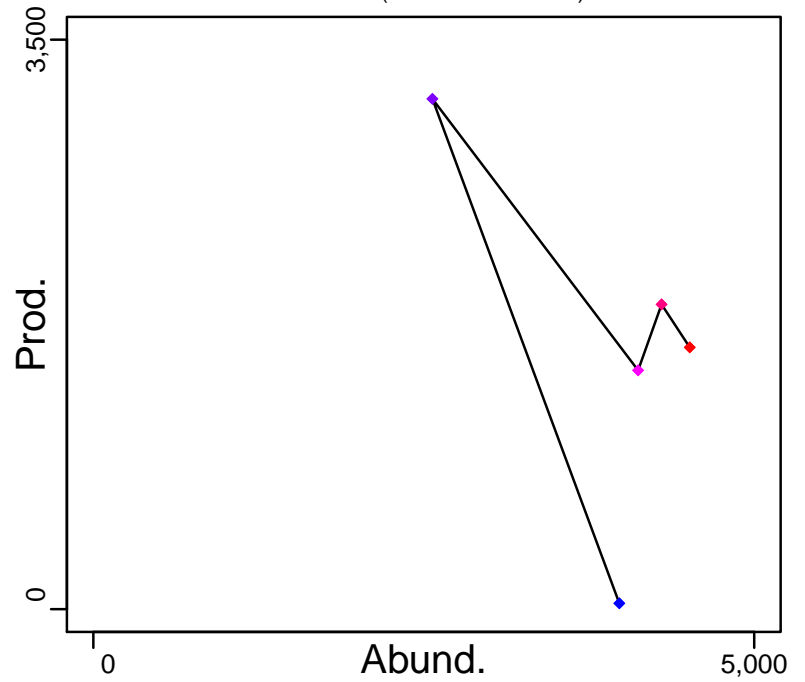
Kobe MGT*



Spawner Recruit (2005–2011–OSIO)



Production (2005–2011–OSIO)



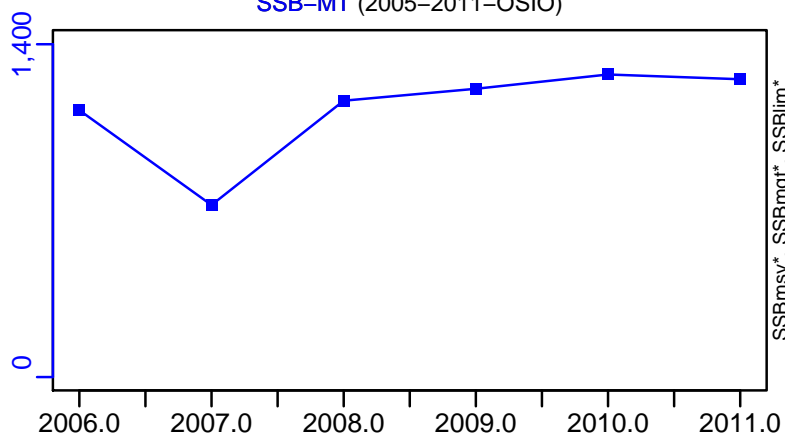
◆ Start Year ◆ End Year * No Data

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

TB*



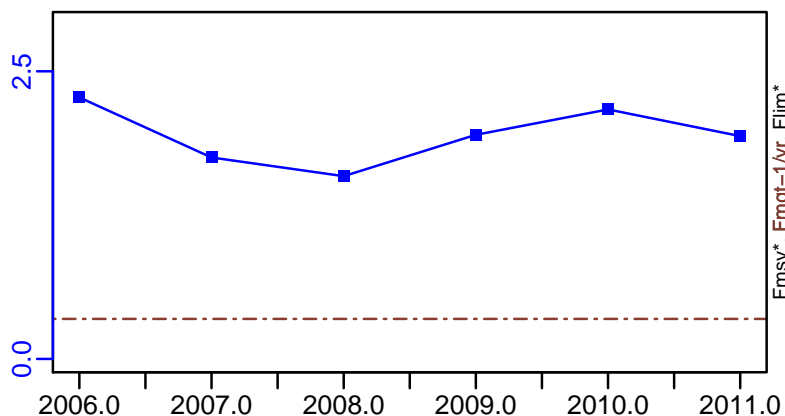
SSB-MT (2005–2011–OSIO)



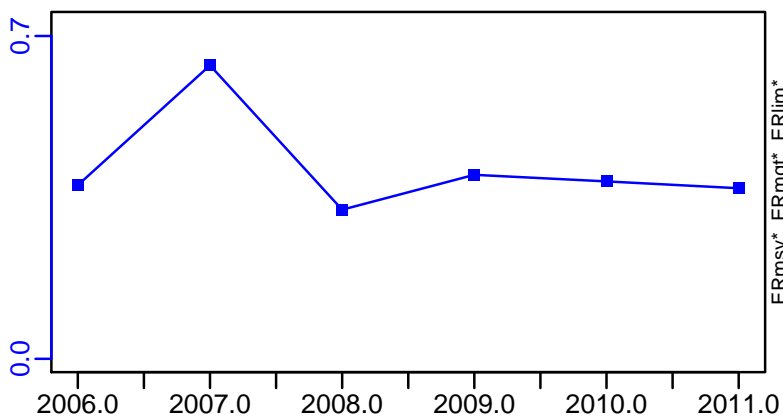
TN *



F-1/yr (2005–2011–OSIO)



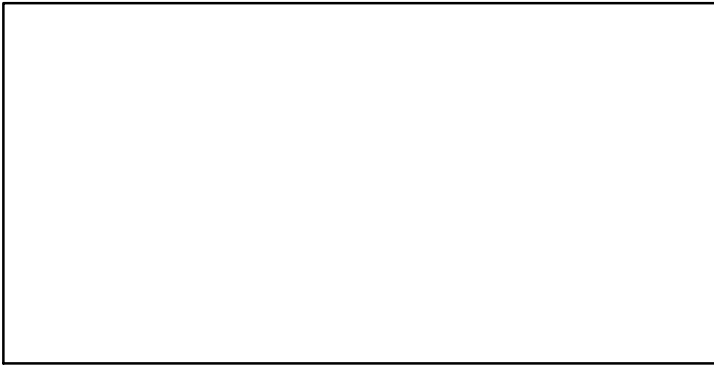
ER-calc-ratio (2005–2011–OSIO)



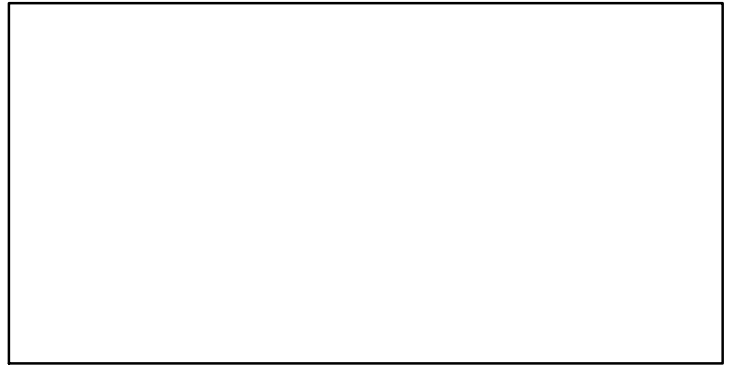
Recruits*



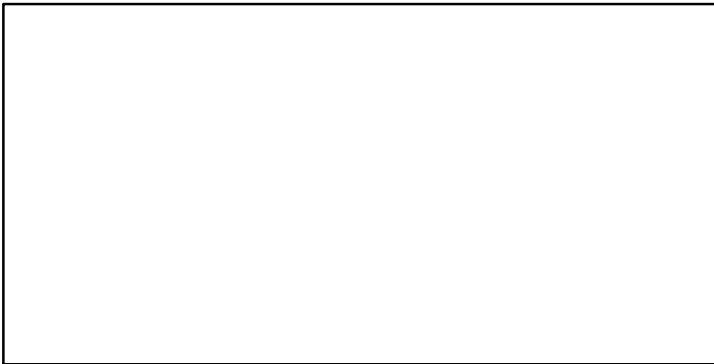
TC*, TL*, RecC*



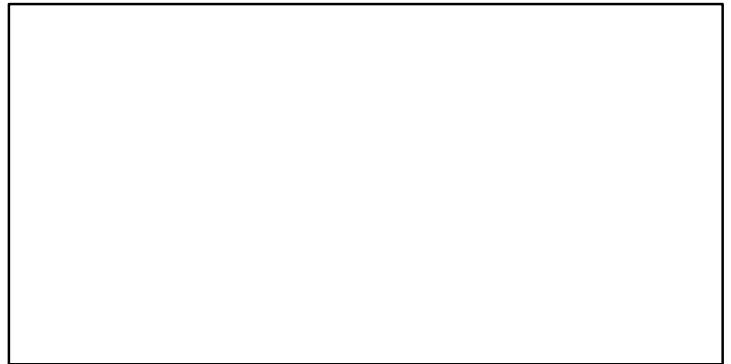
TAC*, Cpair*, Cadv*



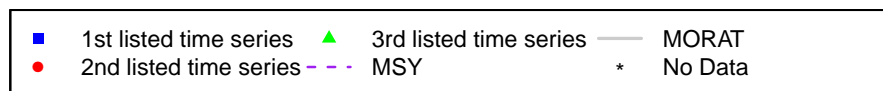
survB*



CPUE*



EFFORT*



**Giant red shrimp South Adriatic Sea and West Ionian Sea
[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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

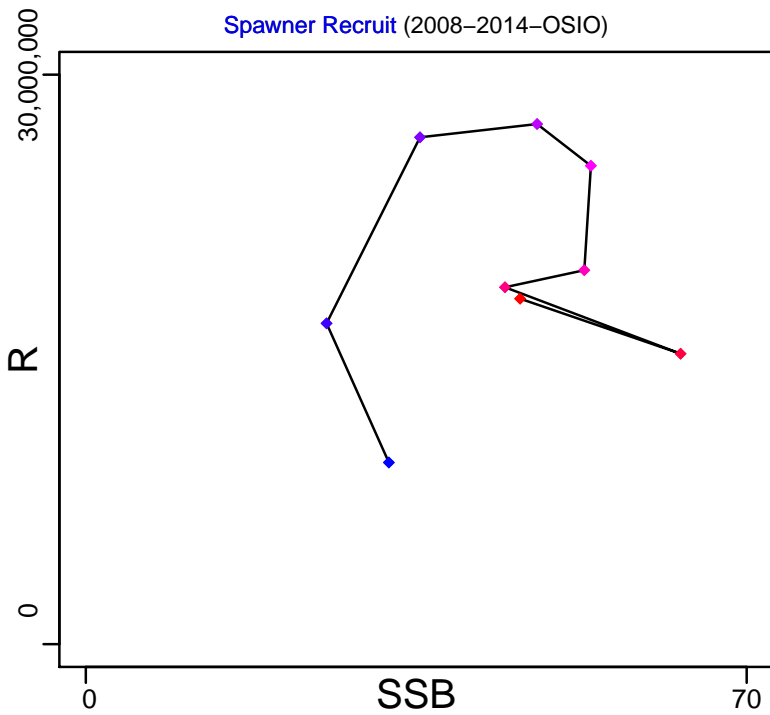
Kobe MSY*



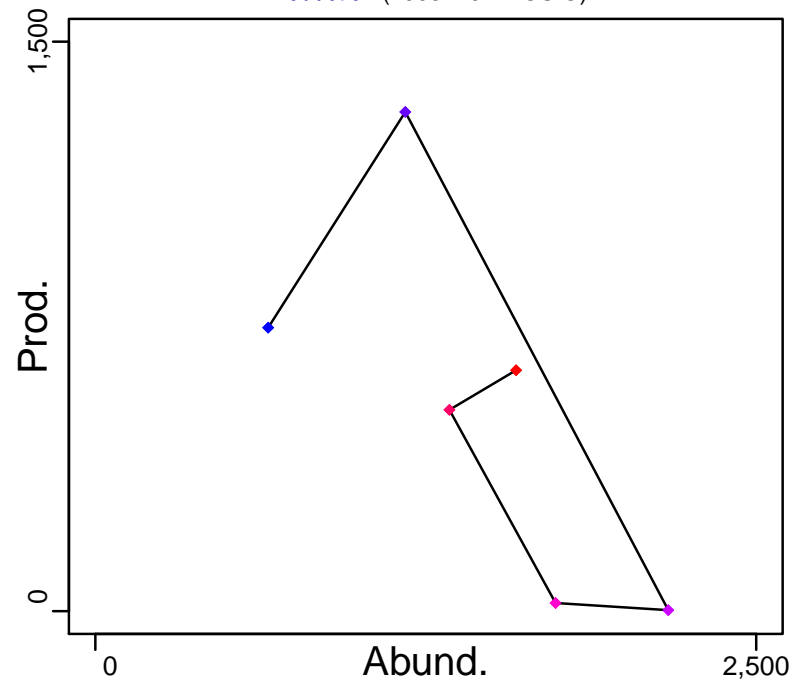
Kobe MGT*



Spawner Recruit (2008–2014–OSIO)



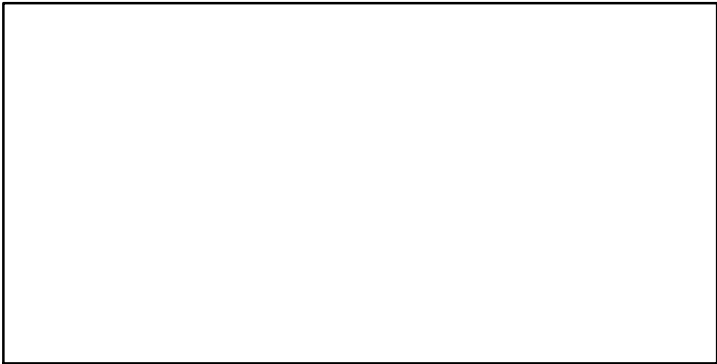
Production (2008–2014–OSIO)



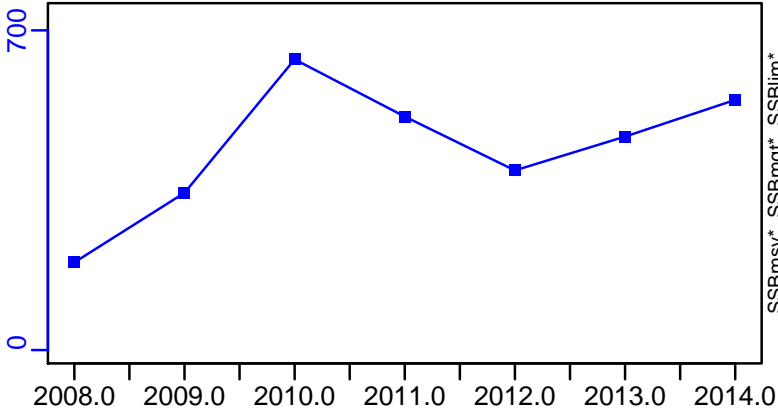
◆ Start Year ◆ End Year * No Data

Giant red shrimp South Adriatic Sea and West Ionian Sea [GRSHRIMPEDGSA18-19]

TB*



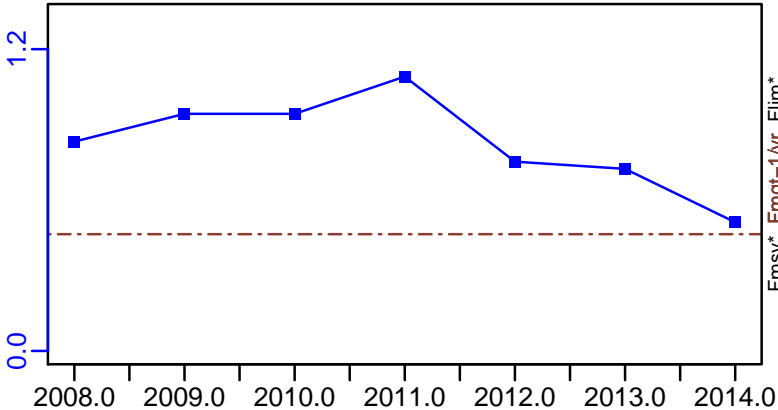
SSB-MT (2008-2014-OSIO)



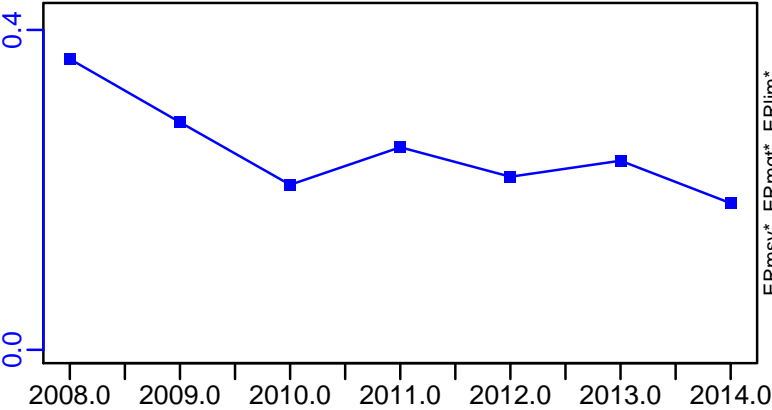
TN *



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



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



Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■

1st listed time series

●

2nd listed time series

▲

3rd listed time series

- -

MSY

—

MORAT

*

No Data

Giant red shrimp Ligurian and North Tyrrhenian Sea [GRSHRIMPEDGSA9]

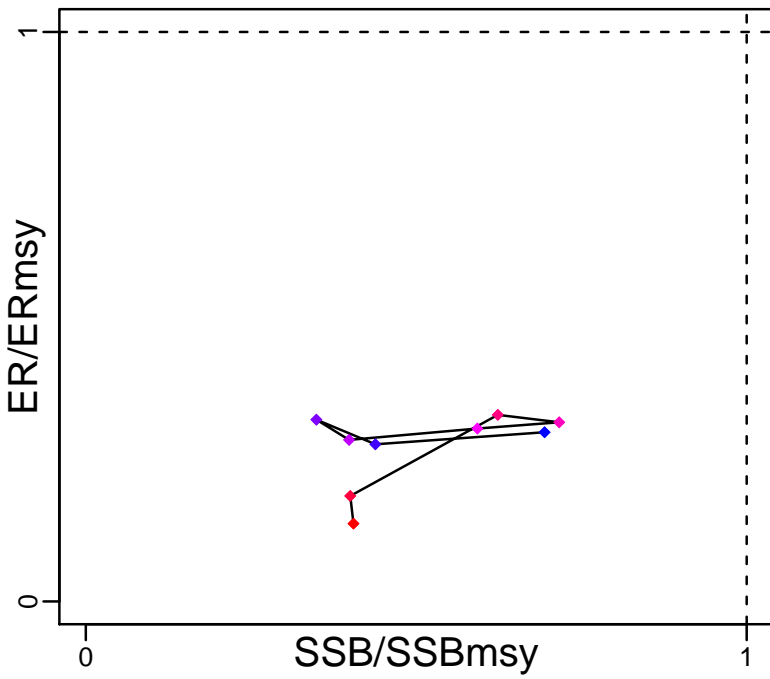
Metadata	
Scientific Name	Aristaeomorpha foliacea
Current Assess ID	STECF-GRSHRIMPEDGSA9-2006-2014-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	226
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.38
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.51
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	304
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	80
Flim	-	-	-
ERlim	-	-	-

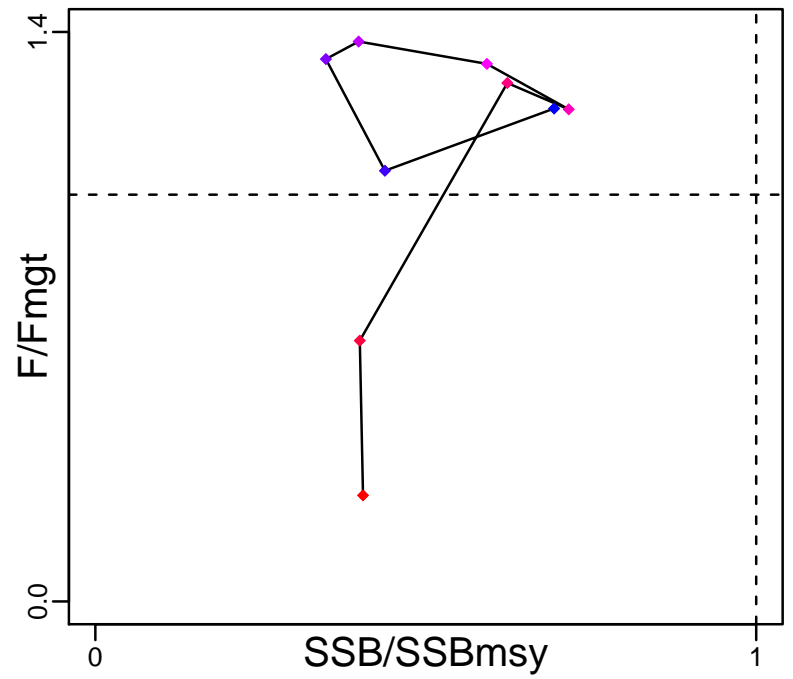
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	92	-	1+
TN	-	-	-	-	-
R	R-E00	2014	10,600,000	-	-
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	16.8		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.41		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.14		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.26		
ER/ERmgt	-	-	-		

Giant red shrimp Ligurian and North Tyrrhenian Sea [GRSHRIMPEDGSA9]

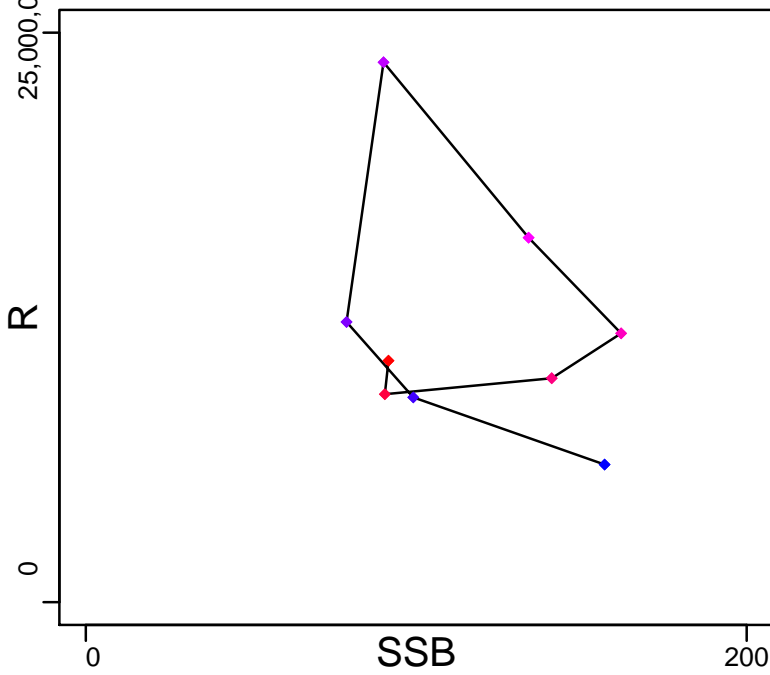
Kobe MSYpref (2006–2014–OSIO)



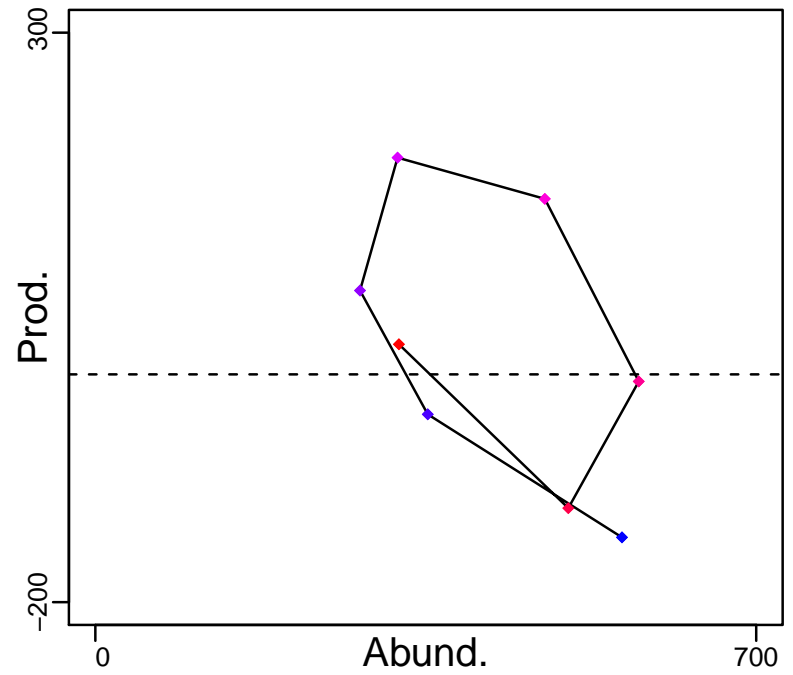
Kobe MGTpref (2006–2014–OSIO)



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



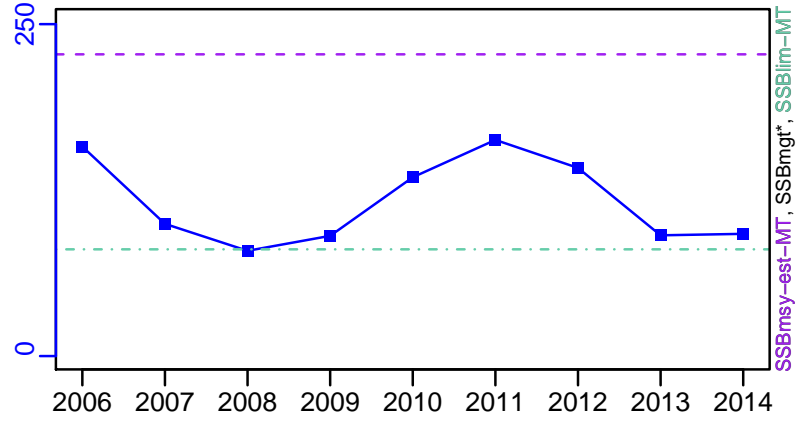
◆ Start Year ◆ End Year * No Data

Giant red shrimp Ligurian and North Tyrrhenian Sea [GRSHRIMPEDGSA9]

TB*



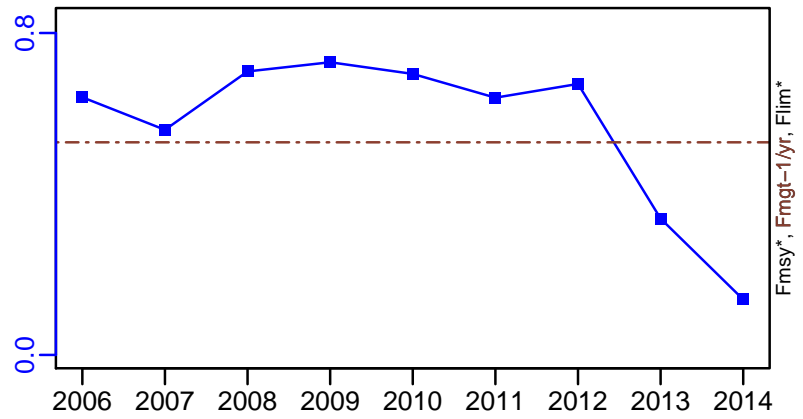
SSB-MT (2006–2014–OSIO)



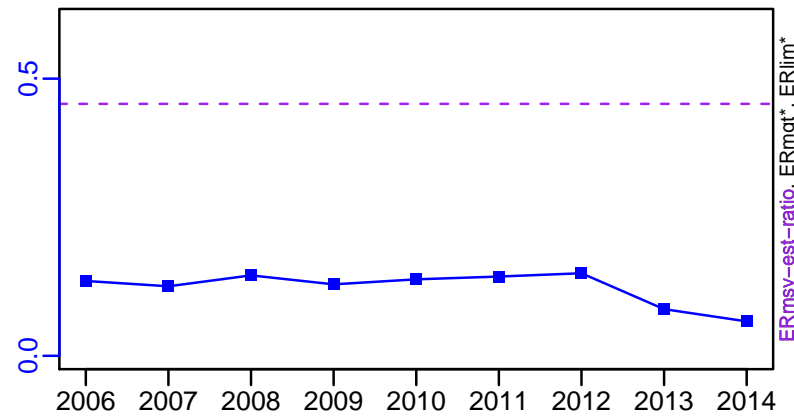
TN *



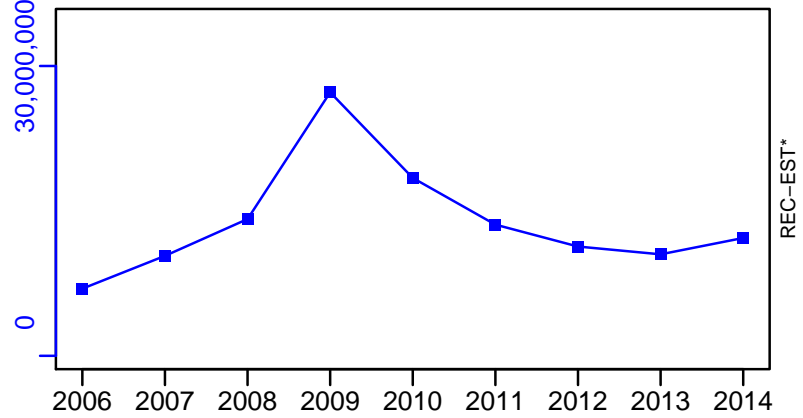
F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)



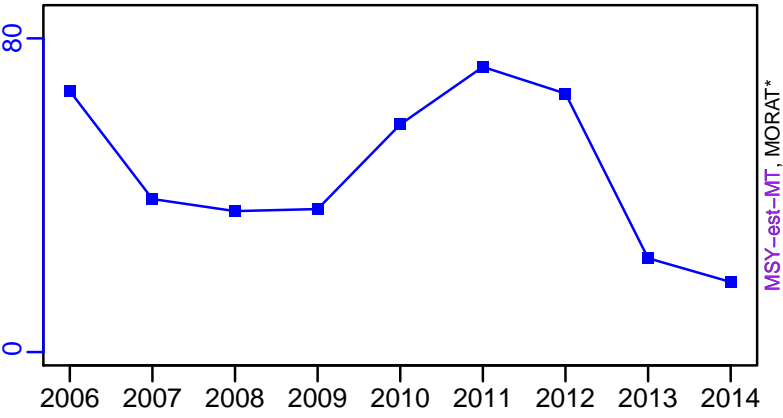
R-E00 (2006–2014–OSIO)



Giant red shrimp Ligurian and North Tyrrhenian Sea [GRSHRIMPEDGSA9]

TC-MT, TL*, RecC* (2006–2014–OSIO)

TAC*, Cpair*, Cadv*



survB*

CPUE*

EFFORT*

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

Hake Malta Island and South of Sicily [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

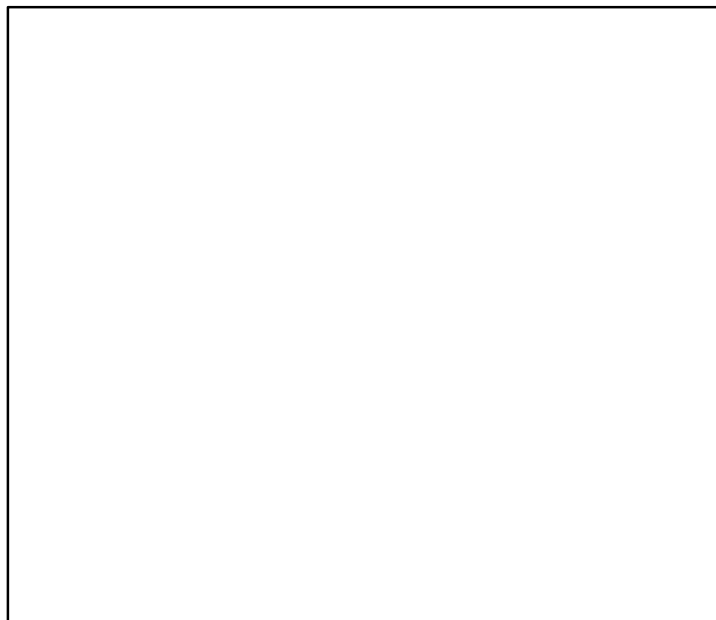
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	9623
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.71
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.39
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	10,014
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	5186
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.56		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



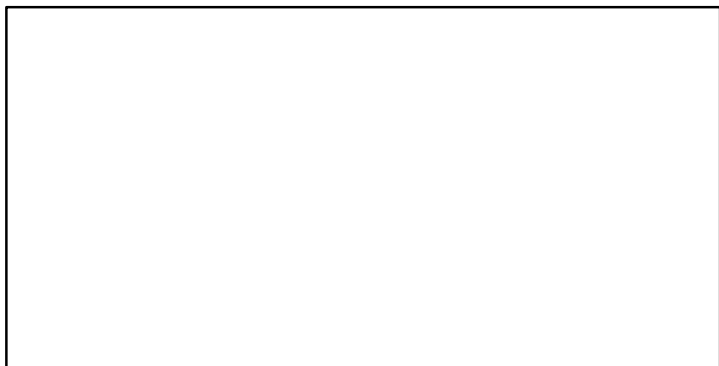
Production*



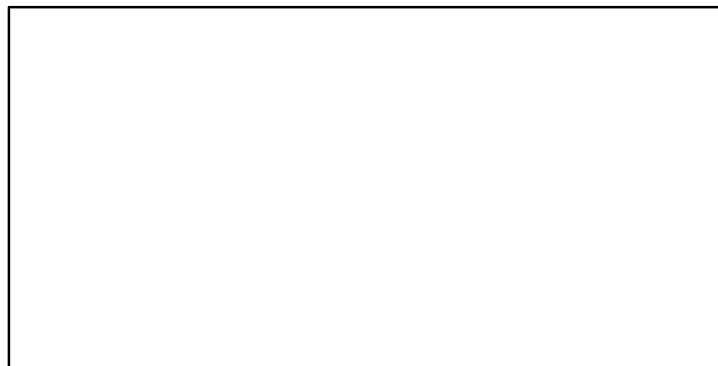
◆ Start Year ◆ End Year * No Data

Hake Malta Island and South of Sicily [HAKEMEDGSA15–16]

TB*



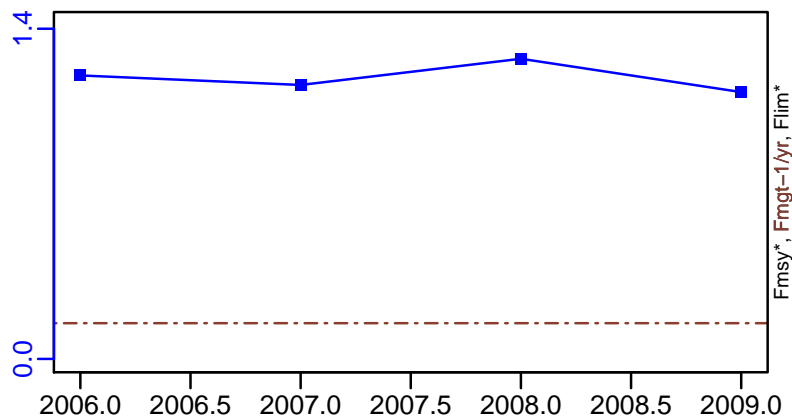
SSB*



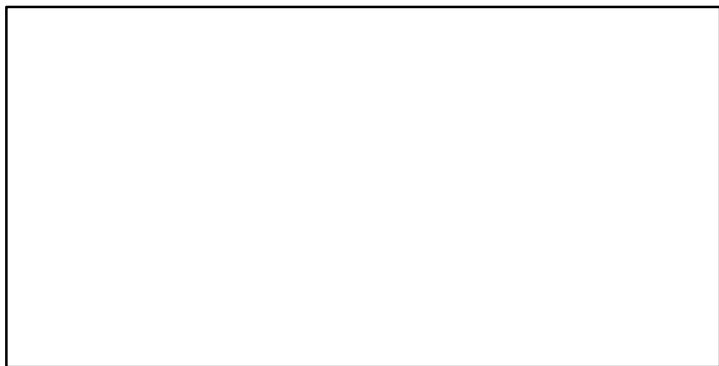
TN *



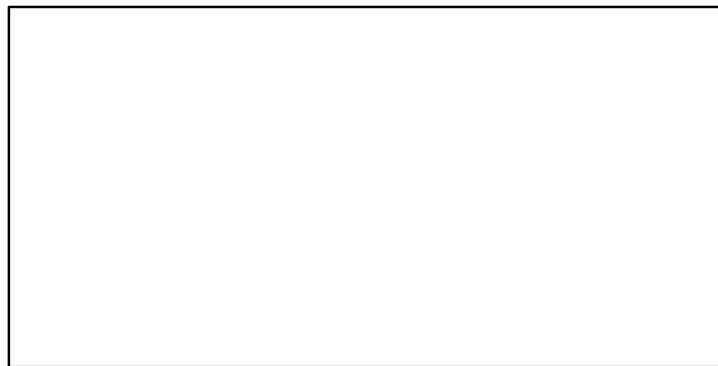
F-1/yr (2005–2009–OSIO)



ER*



Recruits*



TC*, TL*, RecC*



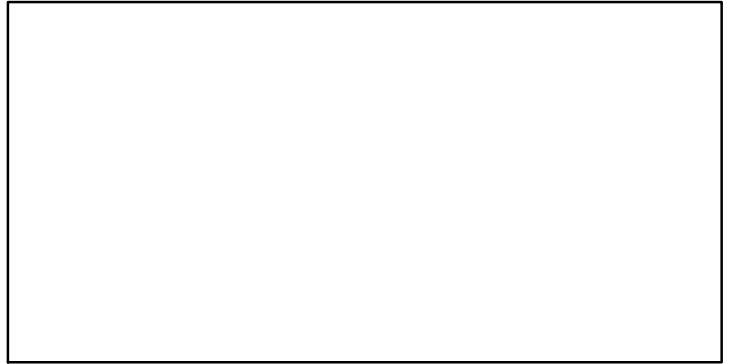
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



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

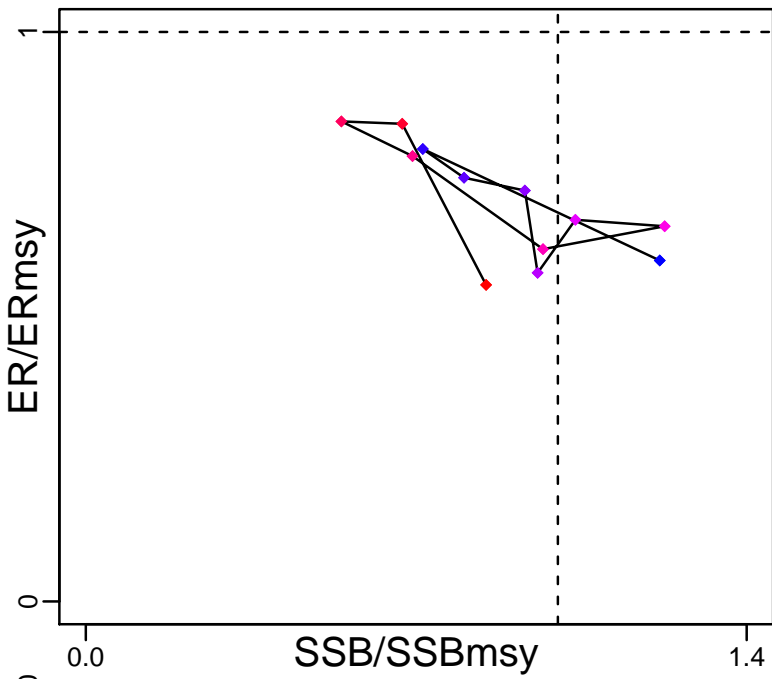
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA1-7-2003-2014-OSIO
Area	Geographical Sub-Areas 1-7
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

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	-	-	-

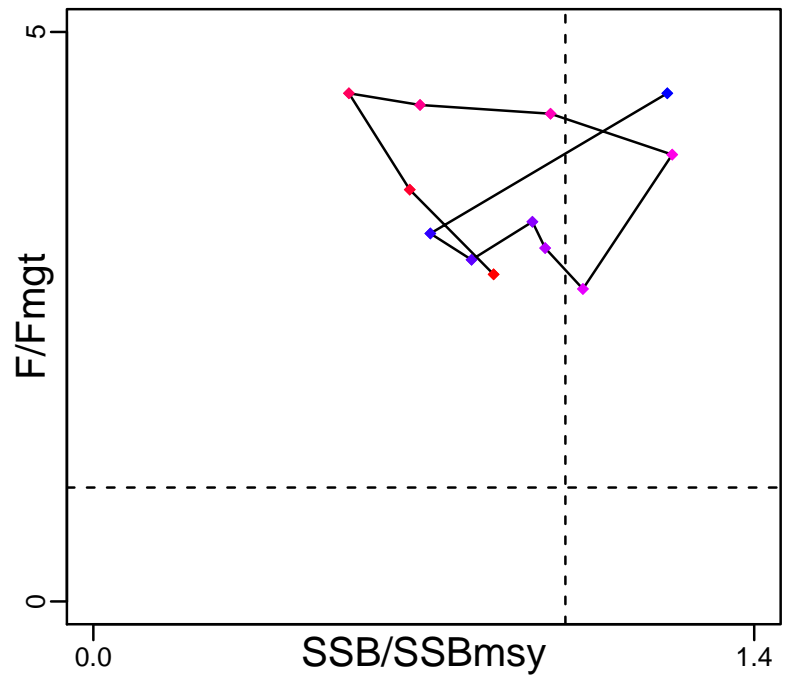
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

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

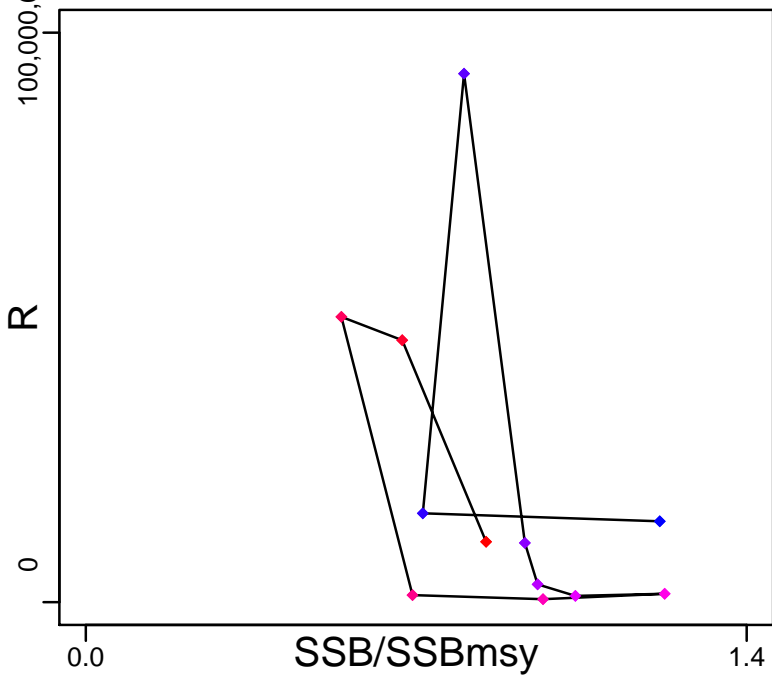
Kobe MSYpref (2003-2014-OSIO)



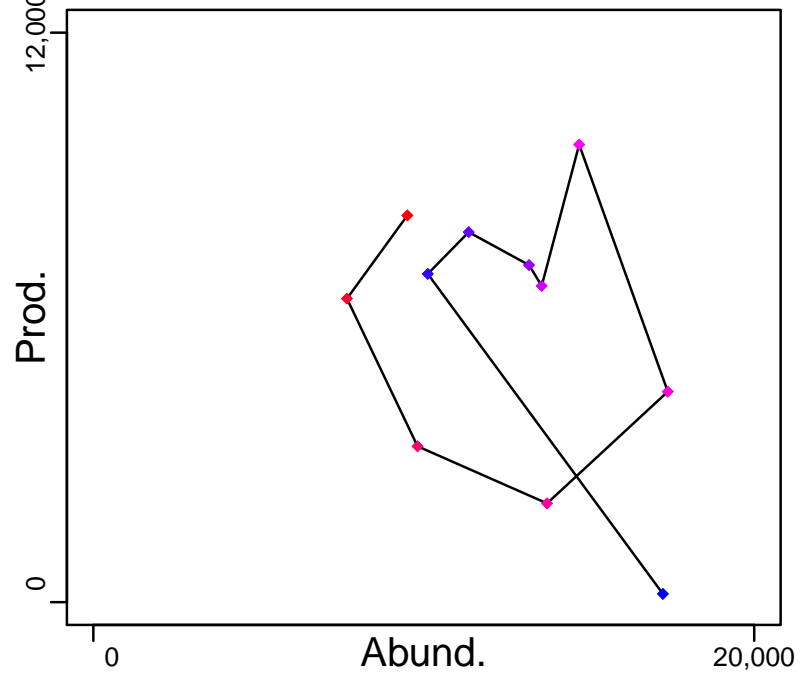
Kobe MGTpref (2003-2014-OSIO)



Spawner Recruit (2003-2014-OSIO)



Production (2003-2014-OSIO)



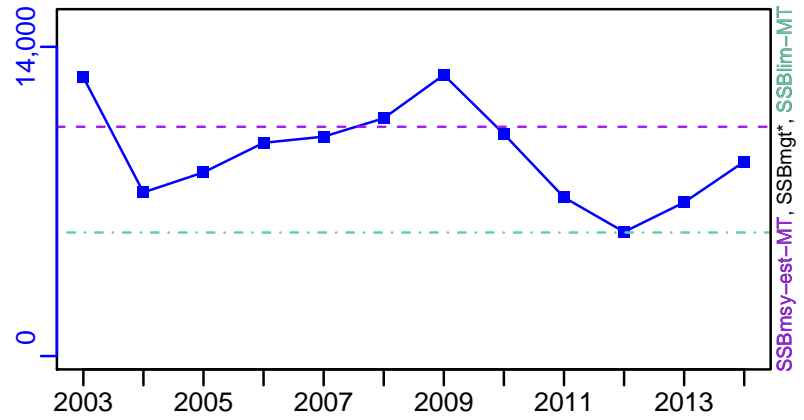
◆ Start Year ◆ End Year * No Data

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

TB*



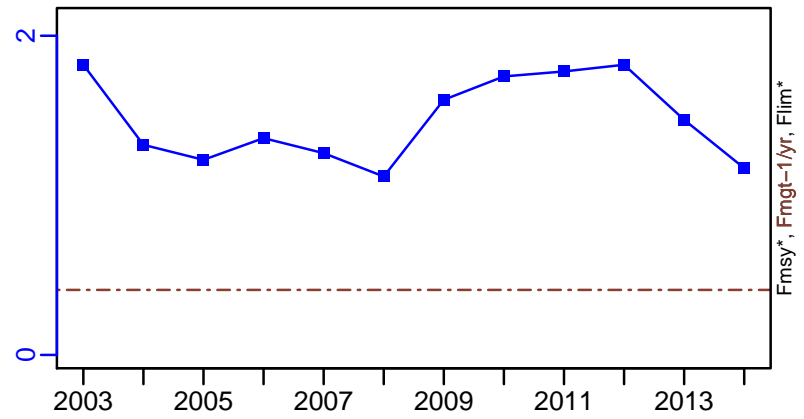
SSB-MT (2003–2014–OSIO)



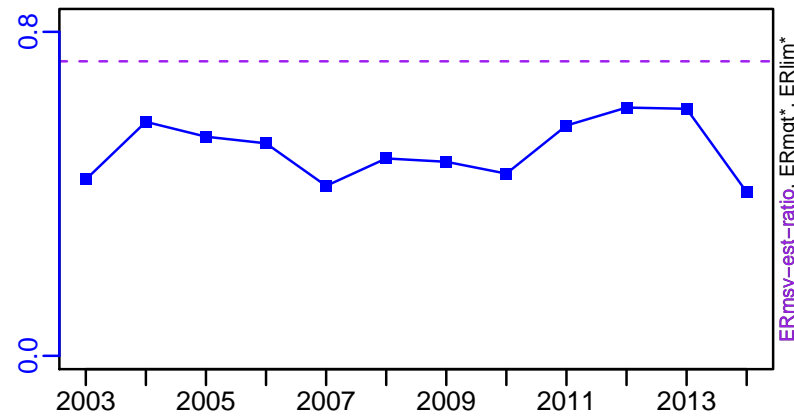
TN *



F-1/yr (2003–2014–OSIO)



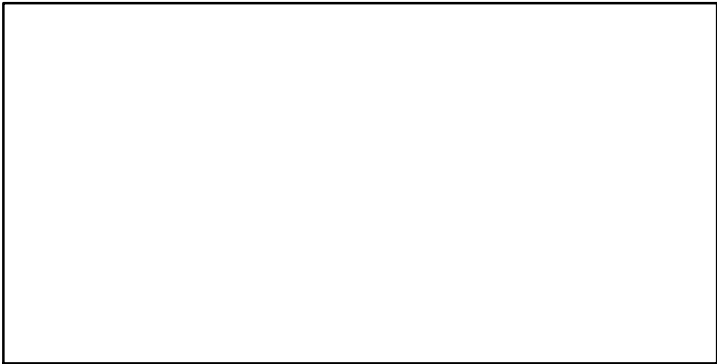
ER-calc-ratio (2003–2014–OSIO)



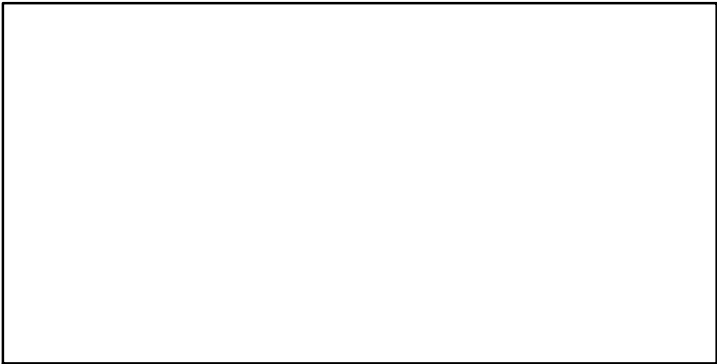
Recruits*



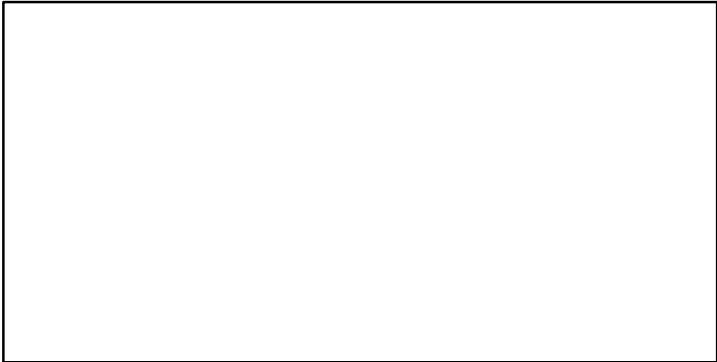
TC*, TL*, RecC*



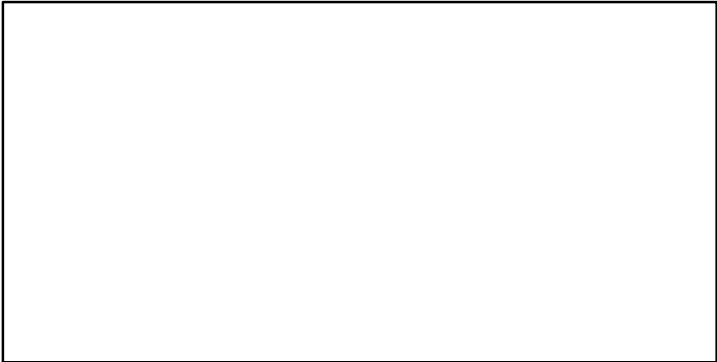
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

Hake Adriatic Sea [HAKEMEDGSA17-18]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA17-18-2008-2014-OSIO
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

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	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

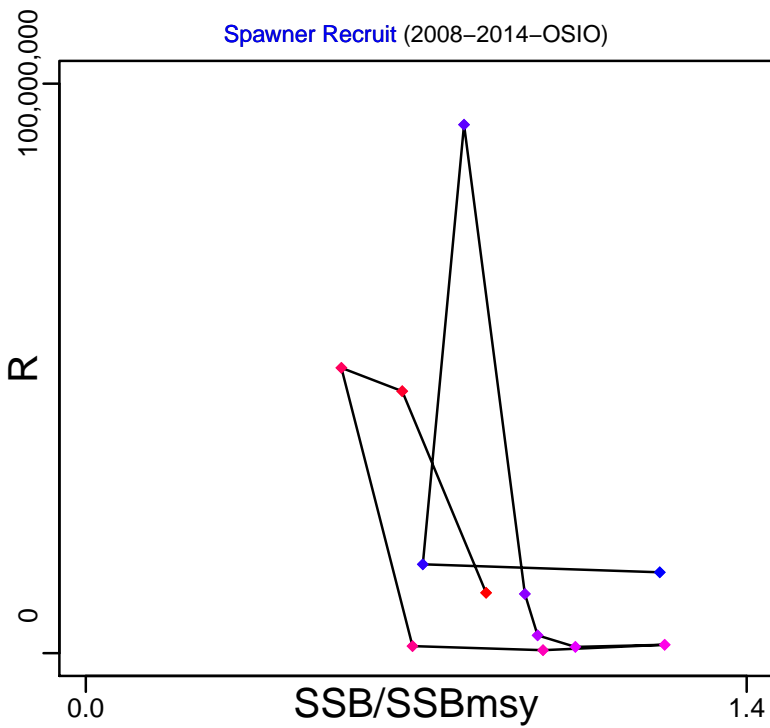
Kobe MSY*



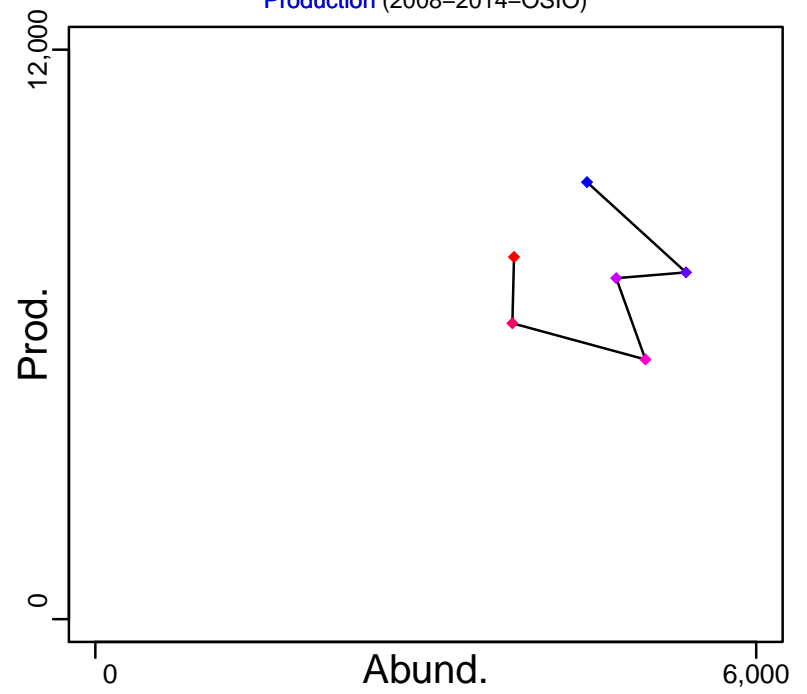
Kobe MGT*



Spawner Recruit (2008-2014-OSIO)



Production (2008-2014-OSIO)



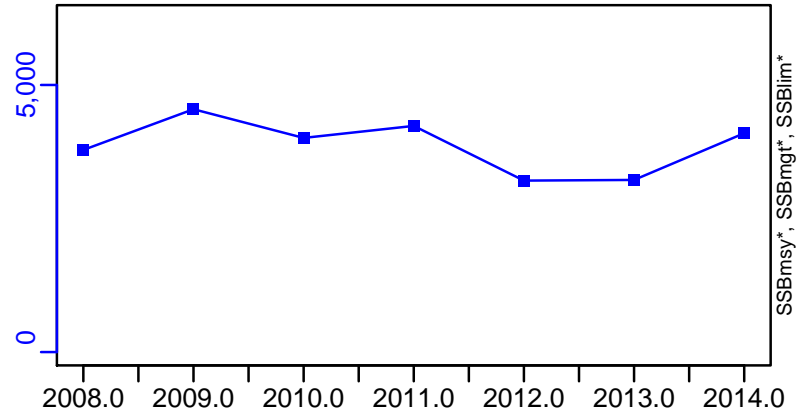
◆ Start Year ◆ End Year * No Data

Hake Adriatic Sea [HAKEMEDGSA17-18]

TB*



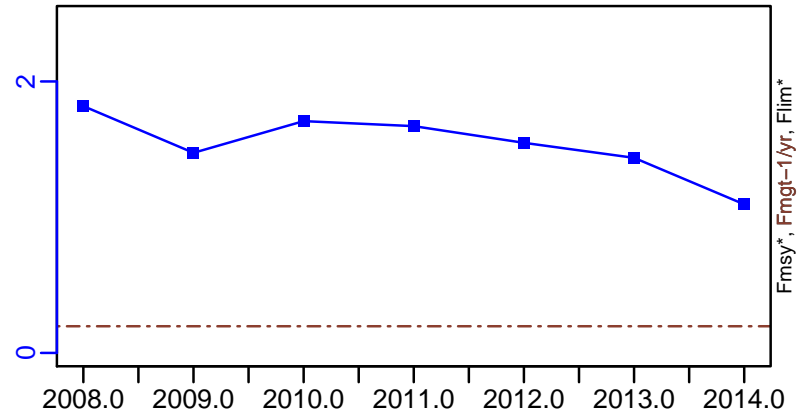
SSB-MT (2008-2014-OSIO)



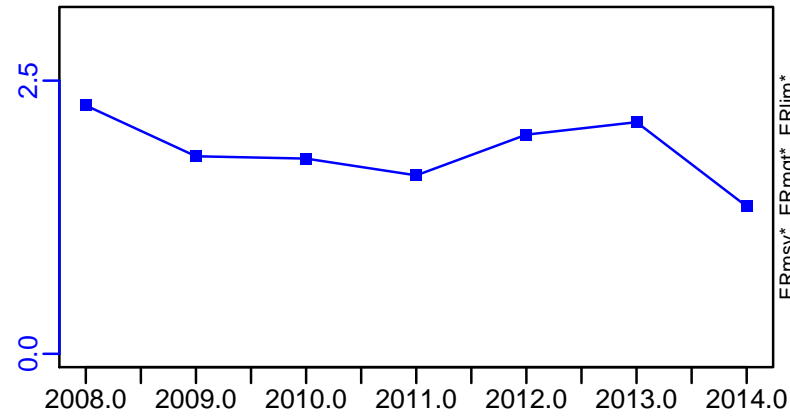
TN *



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



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



Recruits*



TC*, TL*, RecC*



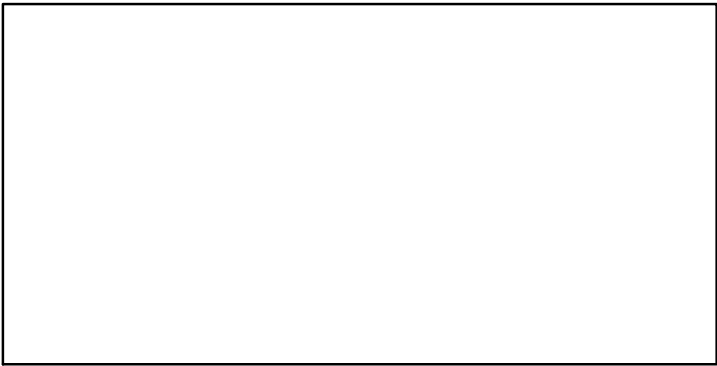
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■

1st listed time series

●

2nd listed time series

▲

3rd listed time series

- - -

MSY

—

MORAT

*

No Data

Hake Western Ionian Sea [HAKEMEDGSA19]

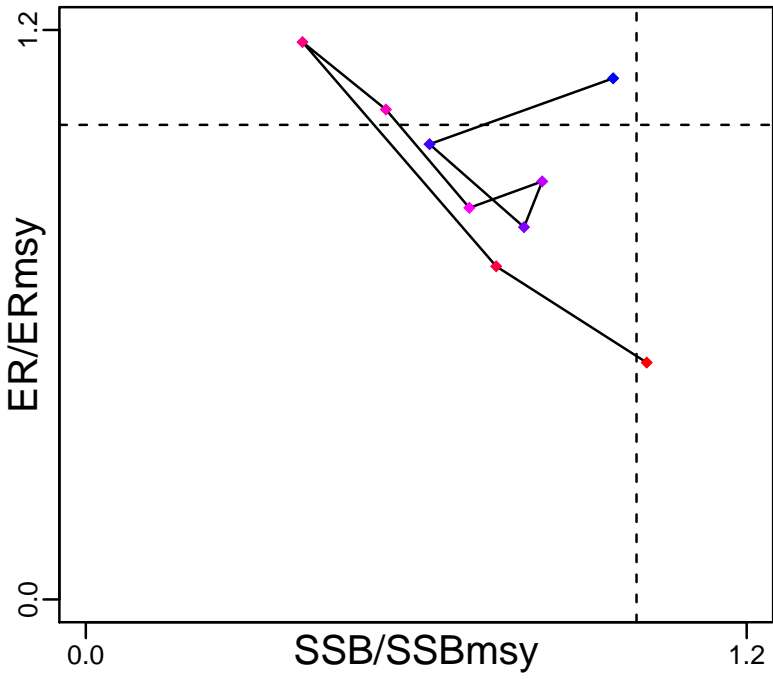
Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA19-2006-2014-OSIO
Area	Western Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	1149
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.88
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.18
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	1493
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

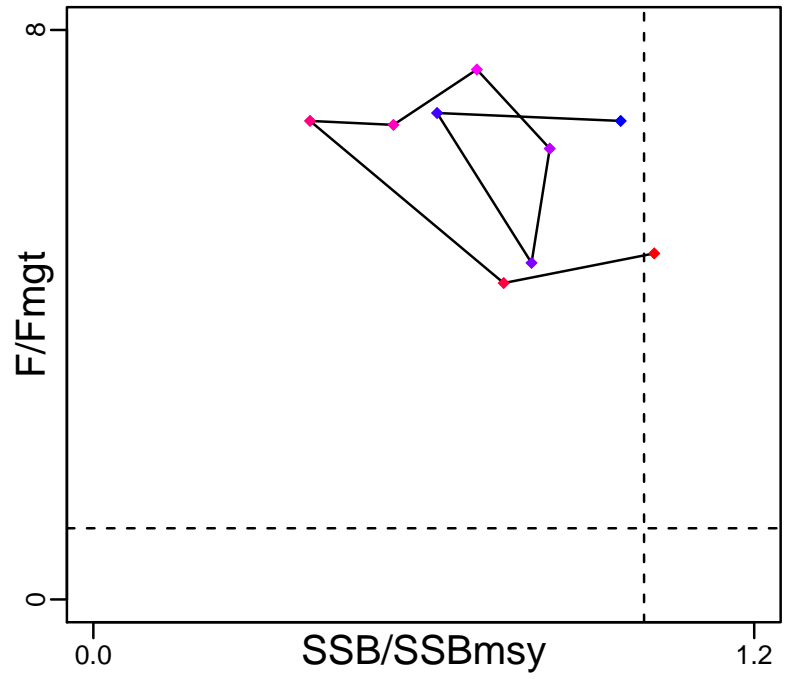
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	1170	-	2+
TN	-	-	-	-	-
R	R-E00	2014	23,900,000	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	759		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	1.02		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.5		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	4.86		
ER/ERmgt	-	-	-		

Hake Western Ionian Sea [HAKEMEDGSA19]

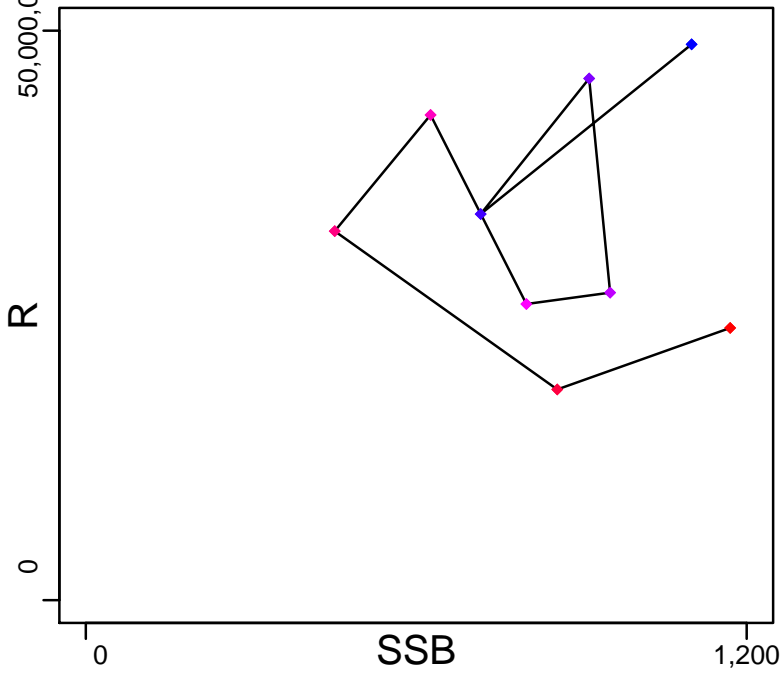
Kobe MSYpref (2006–2014–OSIO)



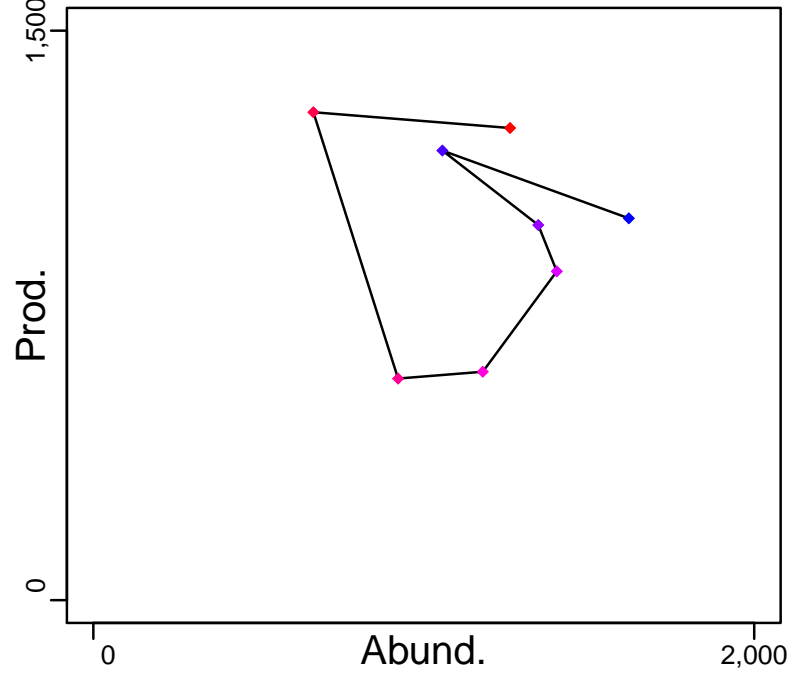
Kobe MGTpref (2006–2014–OSIO)



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



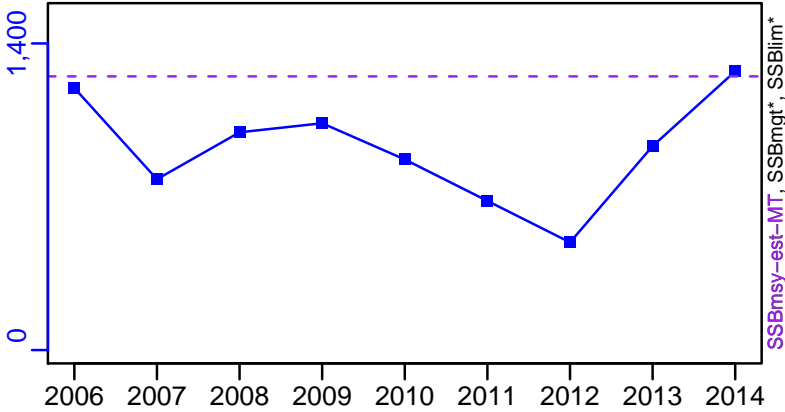
◆ Start Year ◆ End Year * No Data

Hake Western Ionian Sea [HAKEMEDGSA19]

TB*



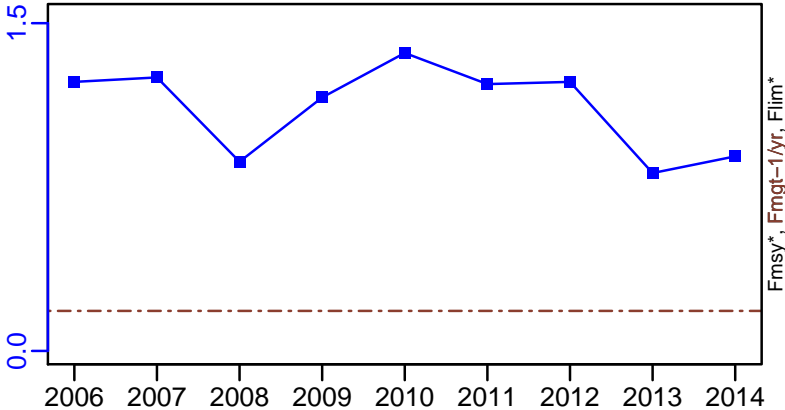
SSB-MT (2006–2014–OSIO)



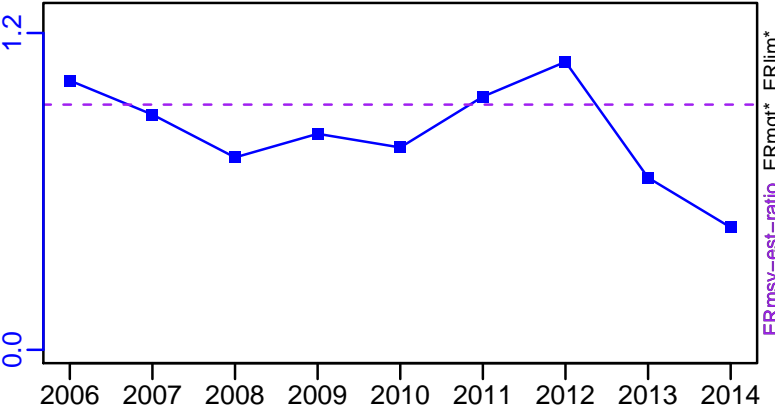
TN *



F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)

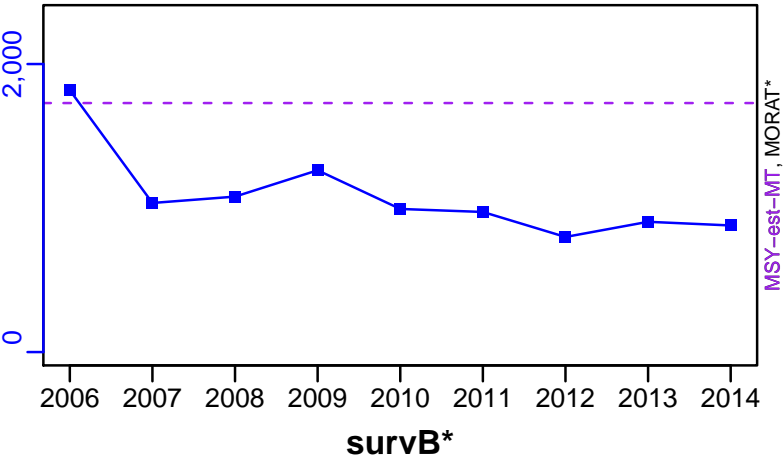


R-E00 (2006–2014–OSIO)



Hake Western Ionian Sea [HAKEMEDGSA19]

TC-MT, TL*, RecC* (2006–2014–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Hake Eastern Ionian Sea [HAKEMEDGSA20]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA20-2003-2008-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	Fmgt-1/yr	2008	0.27
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	2008	3290		
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*

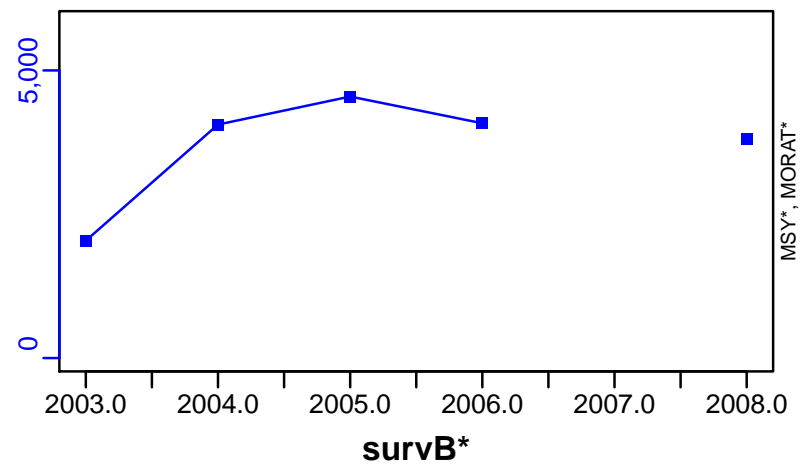


Recruits*



Hake Eastern Ionian Sea [HAKEMEDGSA20]

TC-MT, TL*, RecC* (2003–2008–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Hake Aegean Sea and Crete Island [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

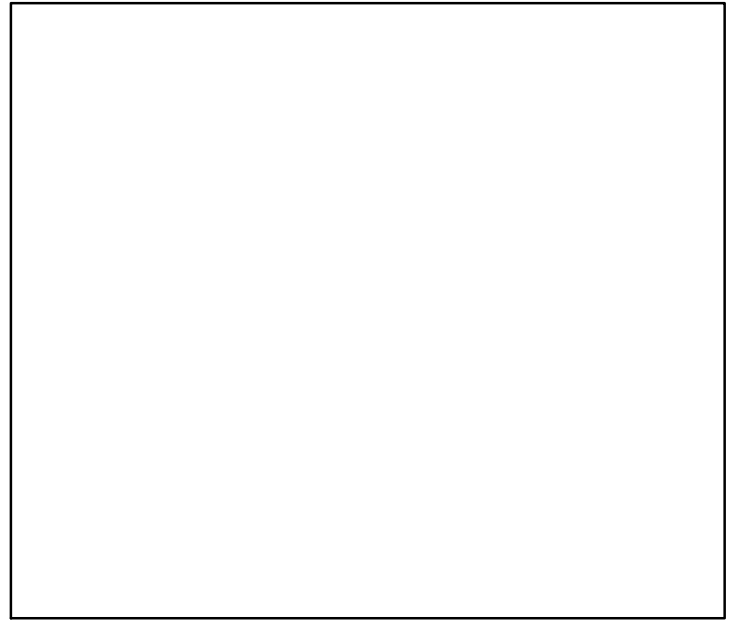
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2008	0.24
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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

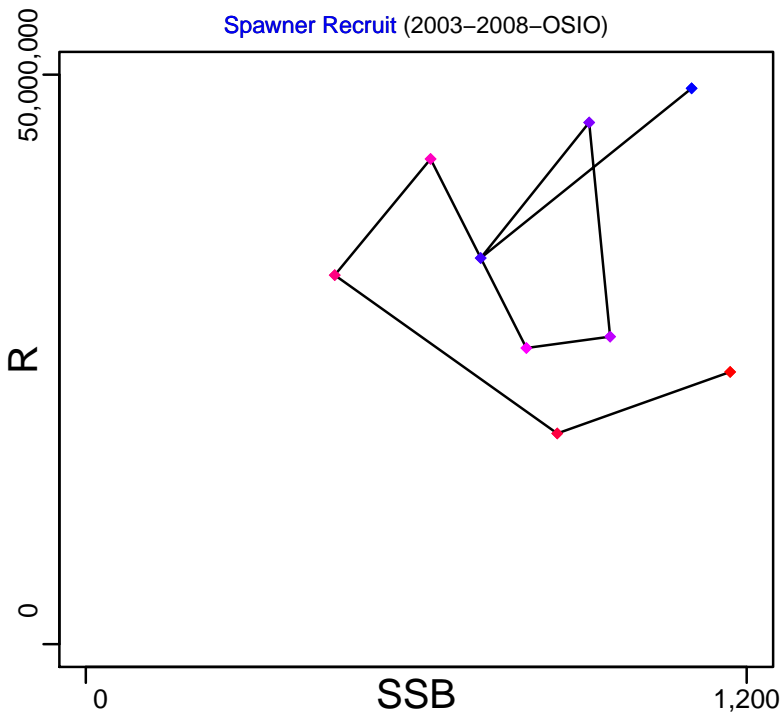
Kobe MSY*



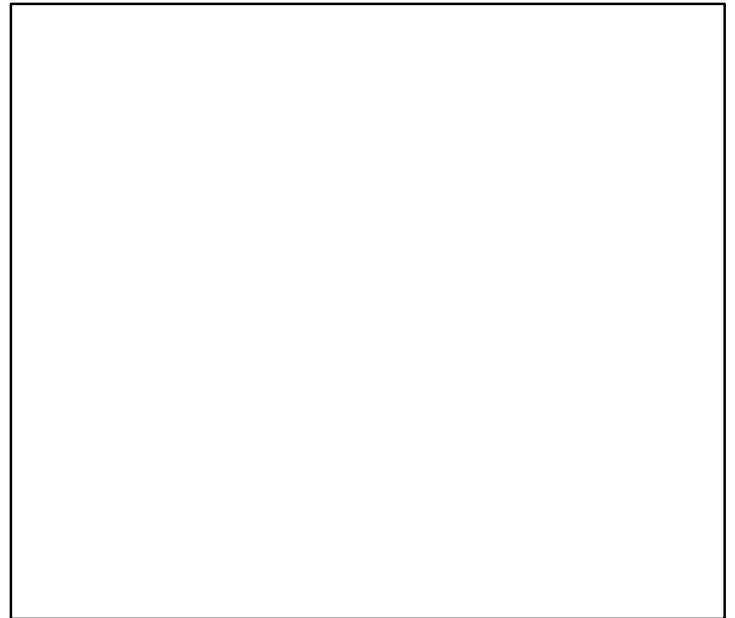
Kobe MGT*



Spawner Recruit (2003–2008–OSIO)



Production*



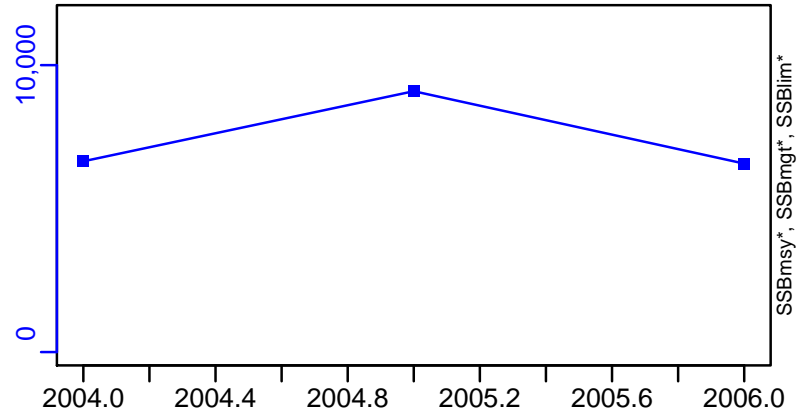
◆ Start Year ◆ End Year * No Data

Hake Aegean Sea and Crete Island [HAKEMEDGSA22-23]

TB*



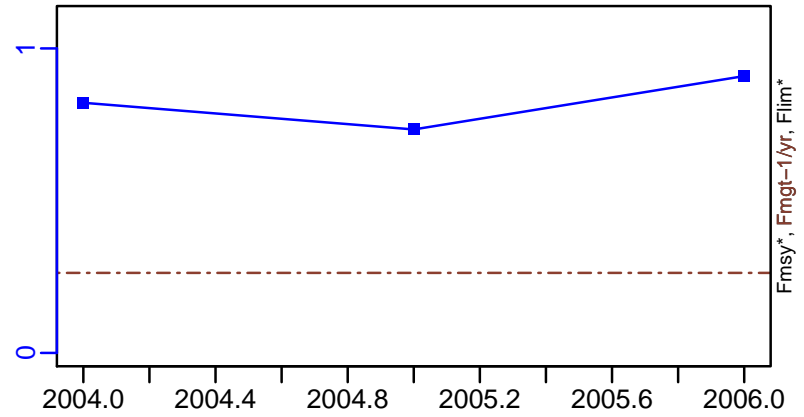
SSB-MT (2003-2008-OSIO)



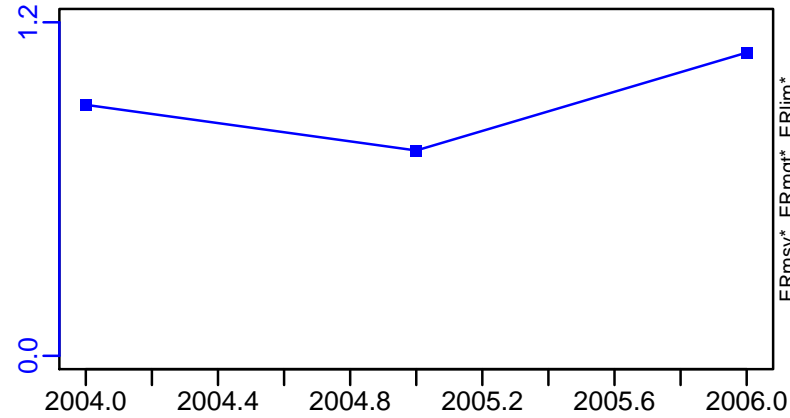
TN *



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



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



Recruits*



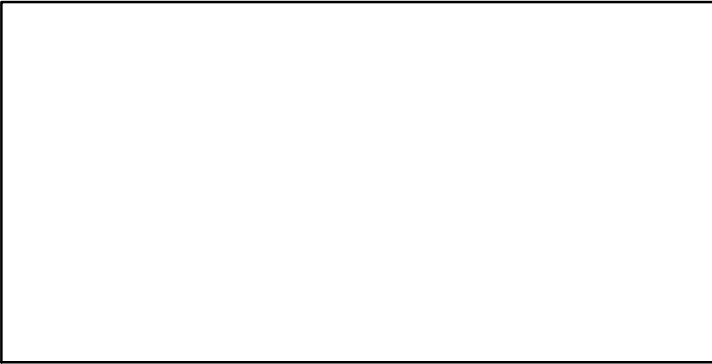
TC*, TL*, RecC*



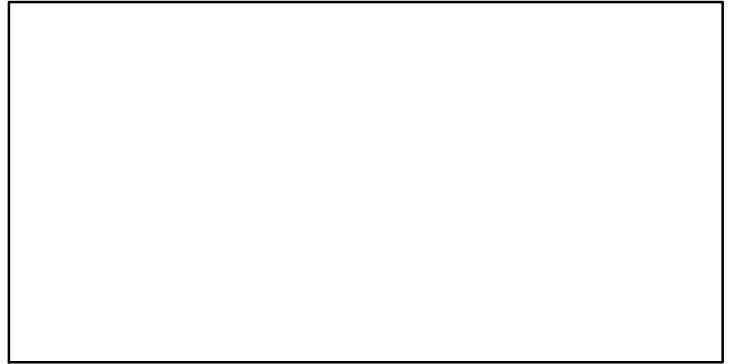
TAC*, Cpair*, Cadv*



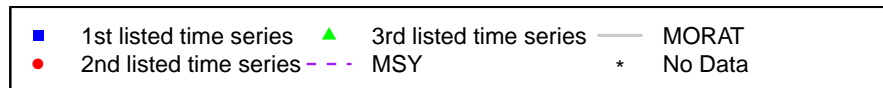
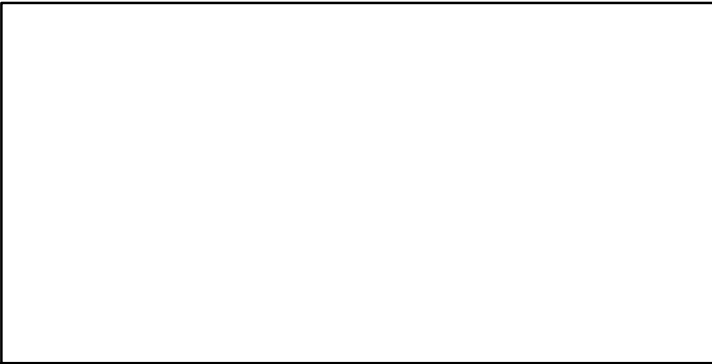
survB*



CPUE*



EFFORT*



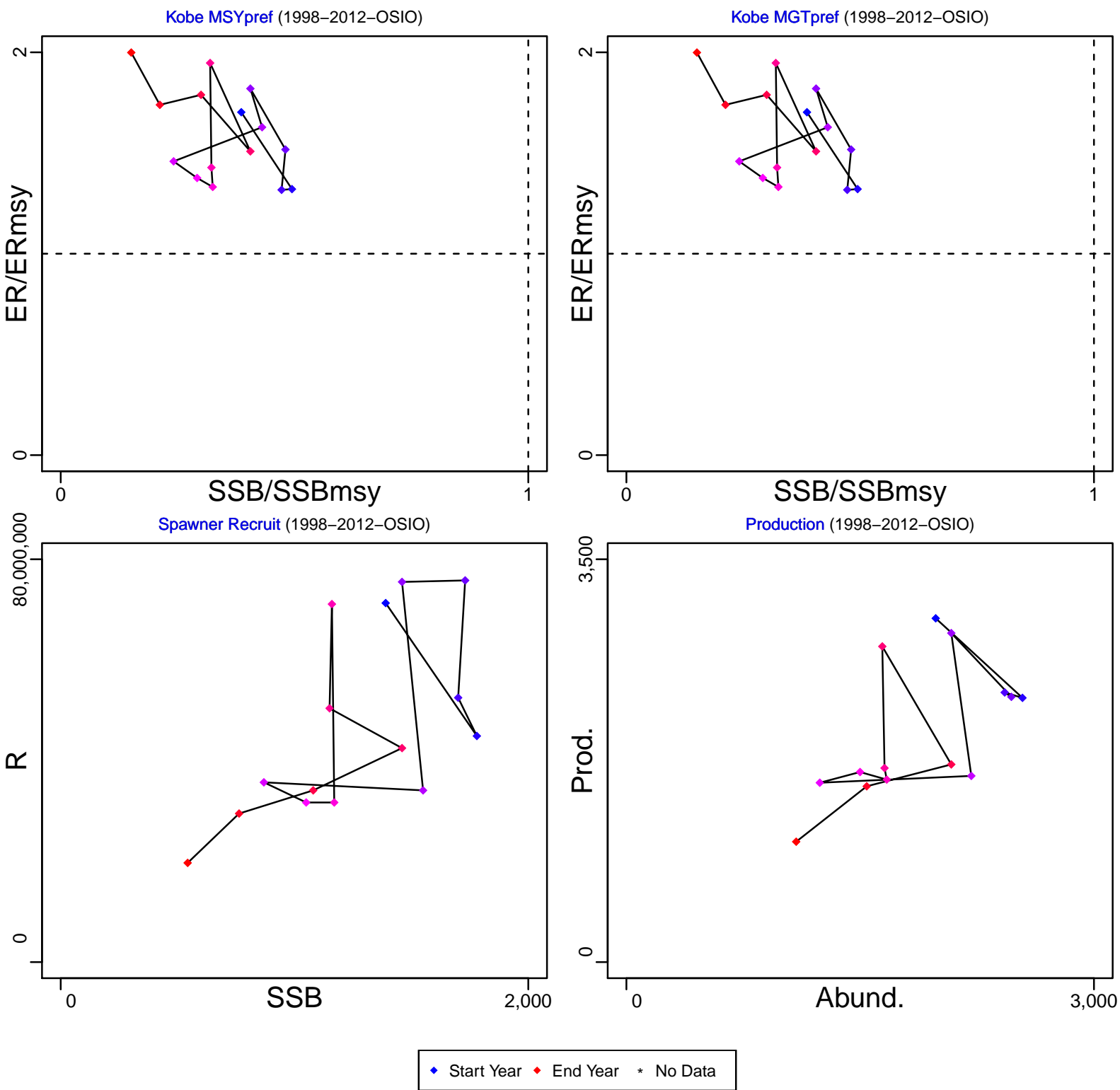
Hake Gulf of Lions [HAKEMEDGSA7]

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	SSBmsy-est-MT	2012	3599
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.72
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	3694
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	2	-	-
ER	ER-calc-ratio	2012	1	-	-
TC	-	-	-		
TL	TL-MT	2012	1110		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2012	0.15		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	2		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Hake Gulf of Lions [HAKEMEDGSA7]

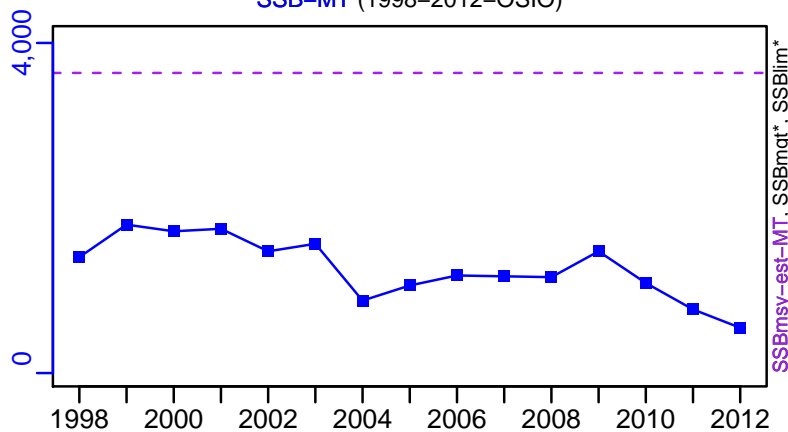


Hake Gulf of Lions [HAKEMEDGSA7]

TB*



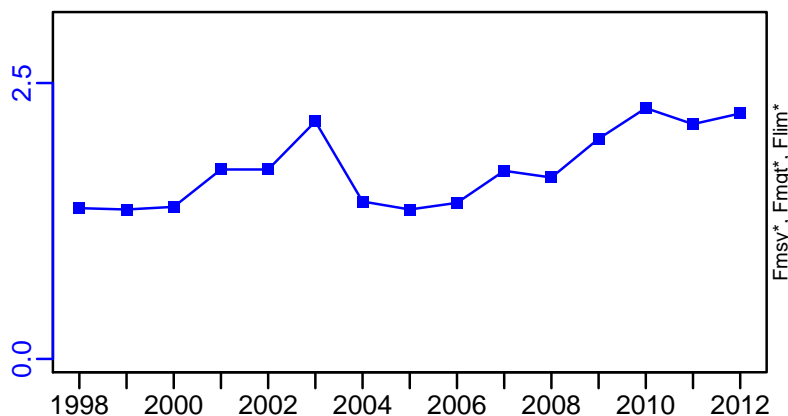
SSB-MT (1998–2012–OSIO)



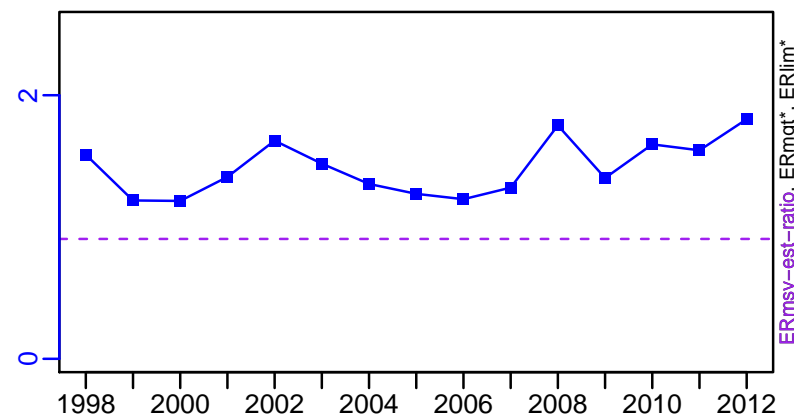
TN *



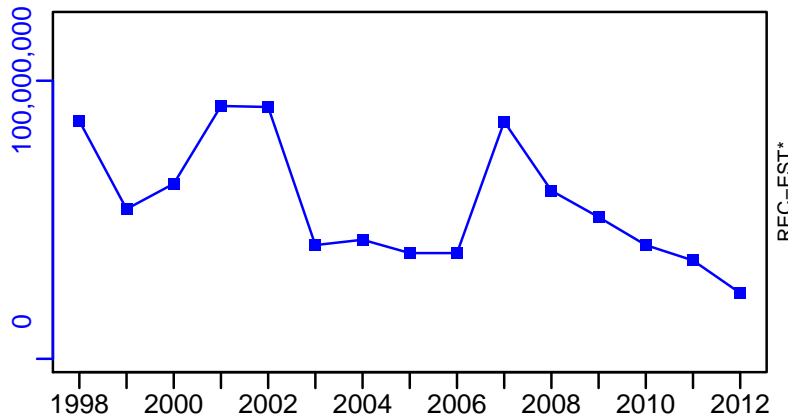
F-1/yr (1998–2012–OSIO)



ER-calc-ratio (1998–2012–OSIO)

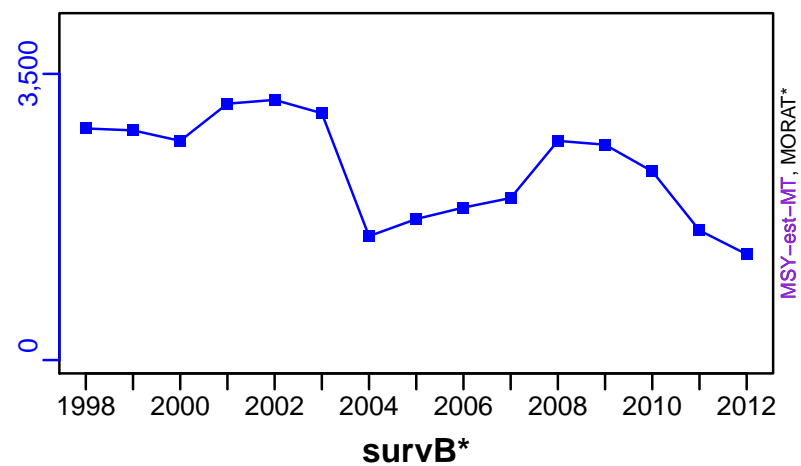


R-E00 (1998–2012–OSIO)

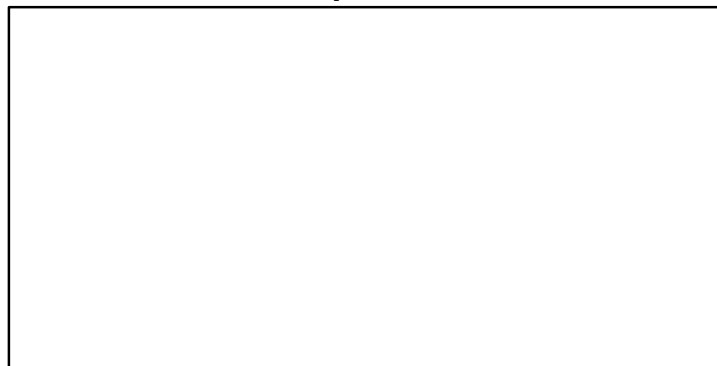


Hake Gulf of Lions [HAKEMEDGSA7]

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



TAC*, Cpair*, Cadv*



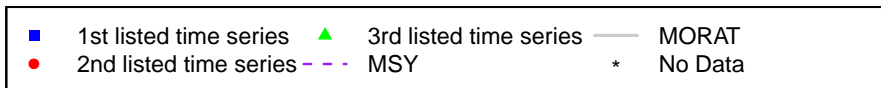
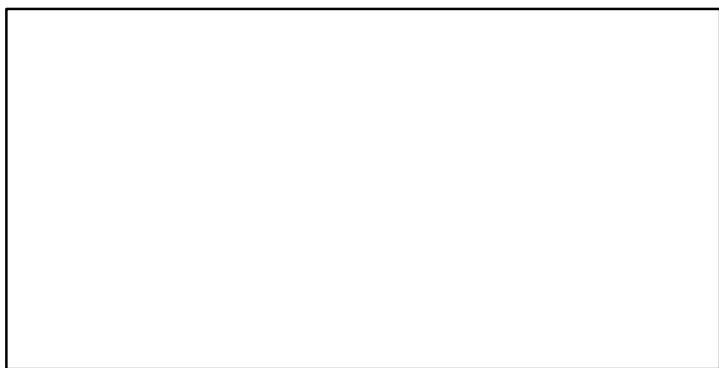
survB*



CPUE*



EFFORT*



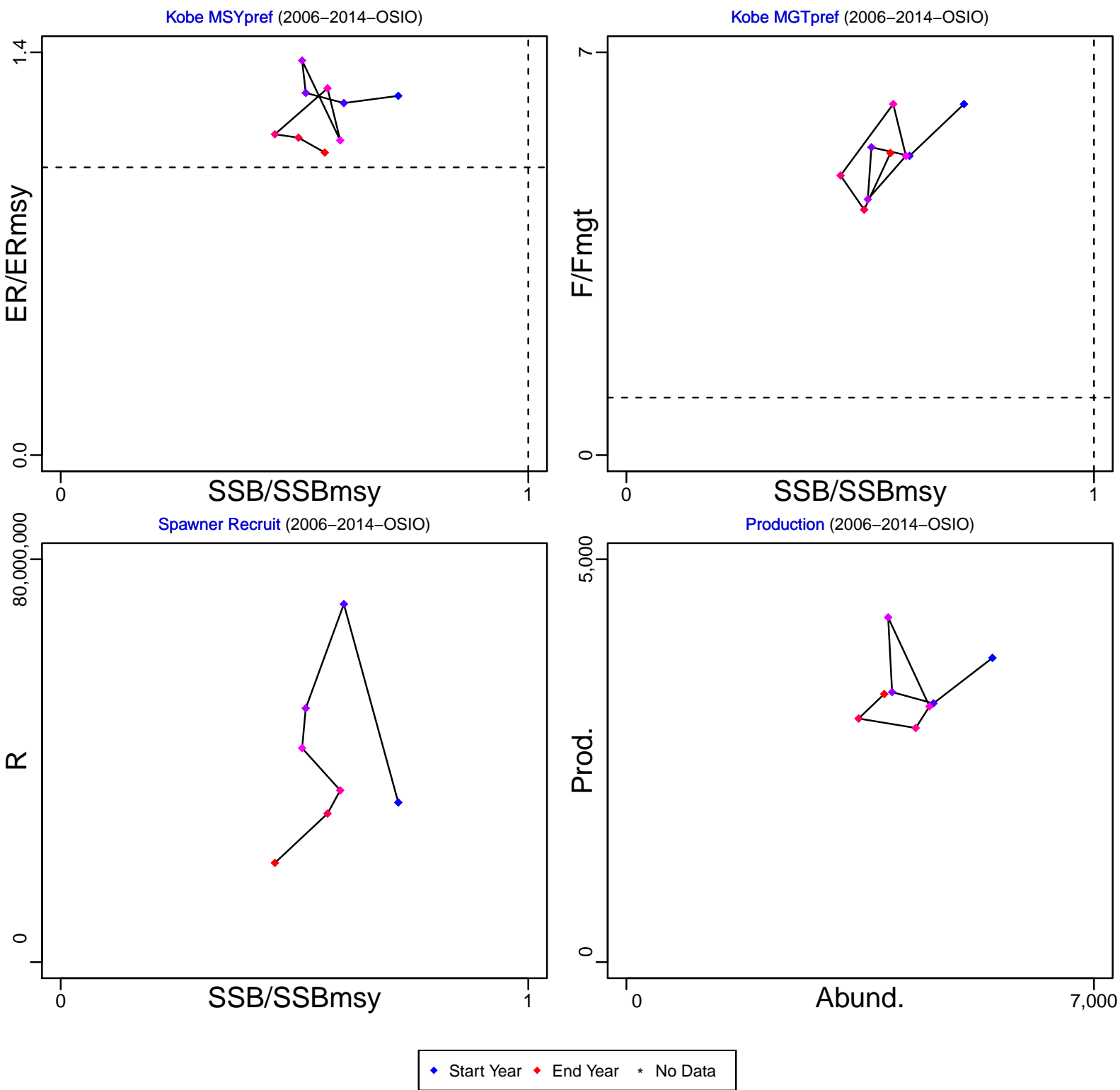
Hake Geographical Sub-Areas 9-11 [HAKEMEDGSA9-11]

Metadata	
Scientific Name	Merluccius merluccius
Current Assess ID	STECF-HAKEMEDGSA9-11-2006-2014-OSIO
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	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	5152
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.68
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.2
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	5169
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	2355
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	1.05		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Hake Geographical Sub-Areas 9–11 [HAKEMEDGSA9–11]

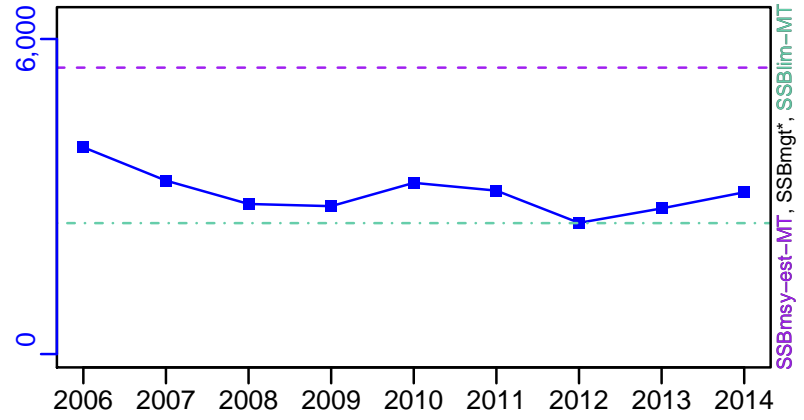


Hake Geographical Sub-Areas 9–11 [HAKEMEDGSA9–11]

TB*



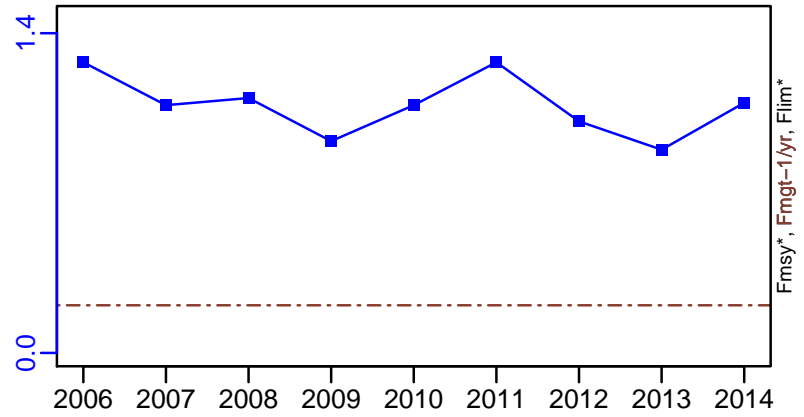
SSB-MT (2006–2014–OSIO)



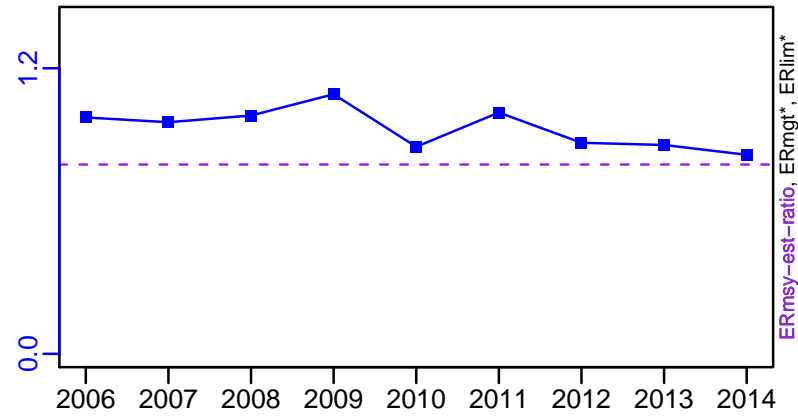
TN *



F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)



Recruits*



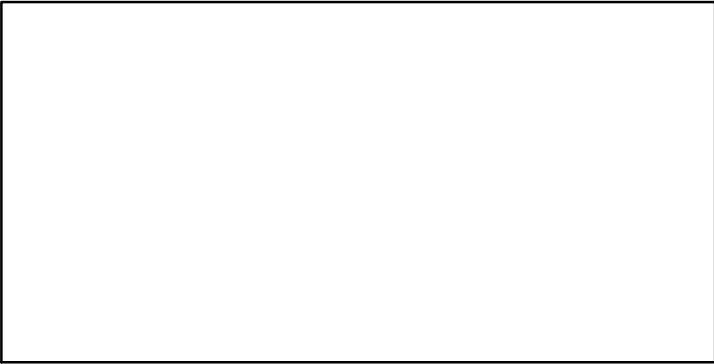
TC*, TL*, RecC*



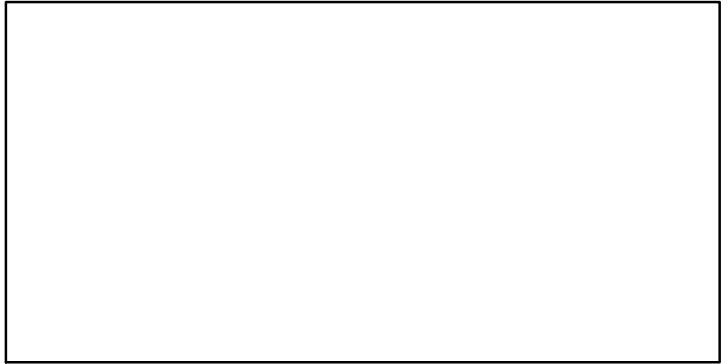
TAC*, Cpair*, Cadv*



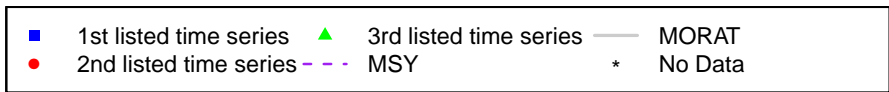
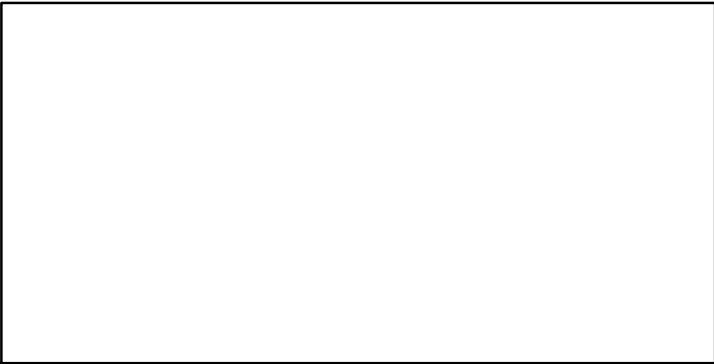
survB*



CPUE*



EFFORT*



Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

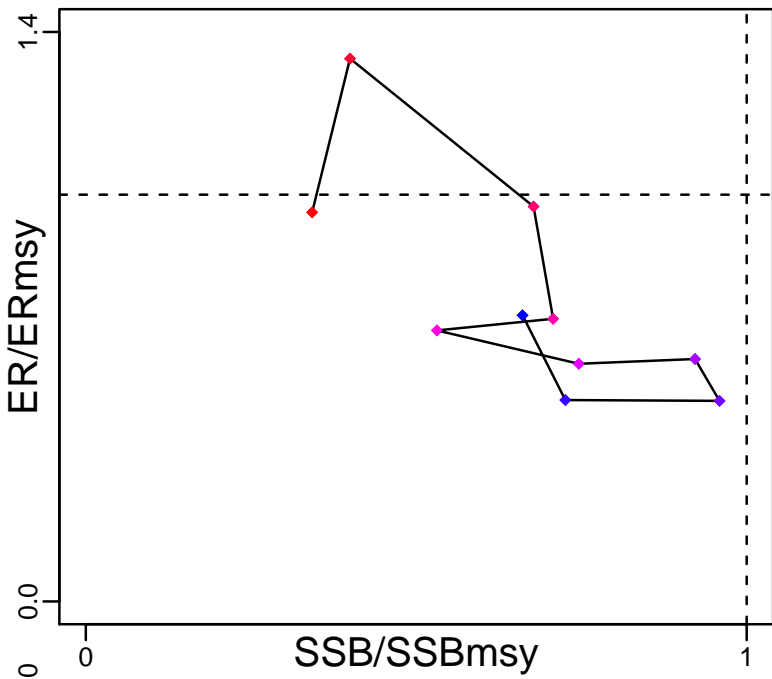
Metadata	
Scientific Name	Trachurus mediterraneus
Current Assess ID	STECF-MHMACKMEDGSA29-2005-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	54,021
Fmsy	Fmsy-1/yr	2014	0.27
ERmsy	ERmsy-est-ratio	2014	0.35
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	37,856
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

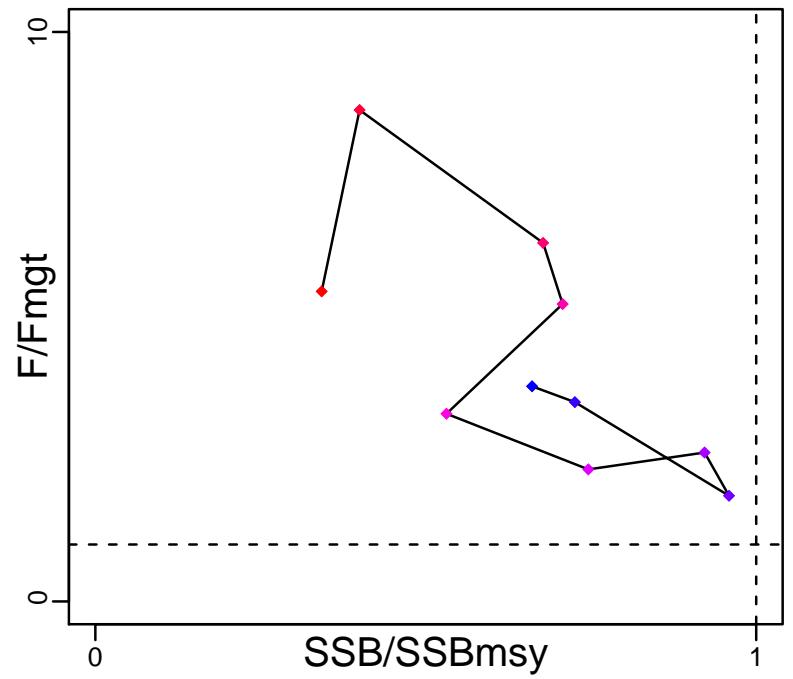
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	18,500	-	1+
TN	-	-	-	-	-
R	R-E00	2014	3.56×10^9	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	12,400		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.34		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	5.44		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.96		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	5.44		
ER/ERmgt	-	-	-		

Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

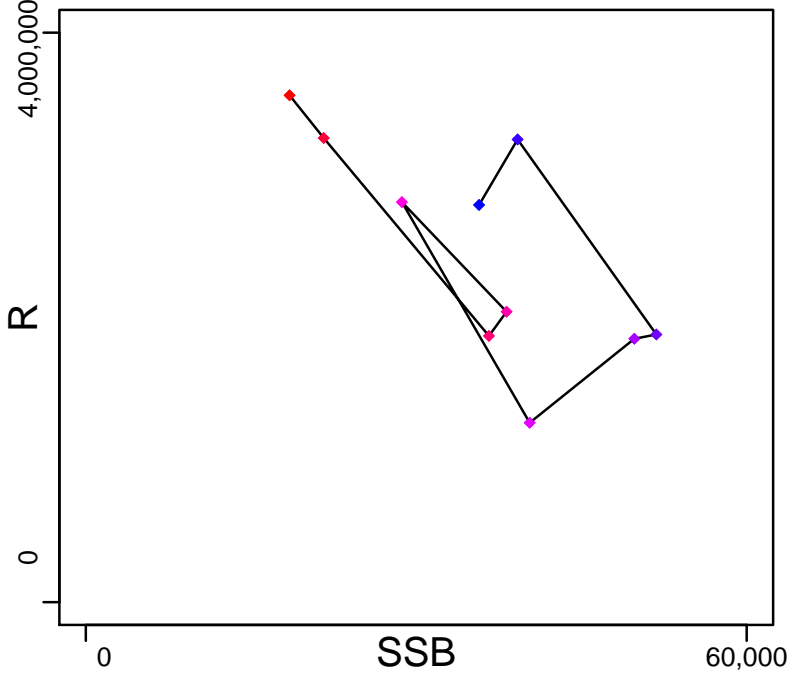
Kobe MSYpref (2005–2014–OSIO)



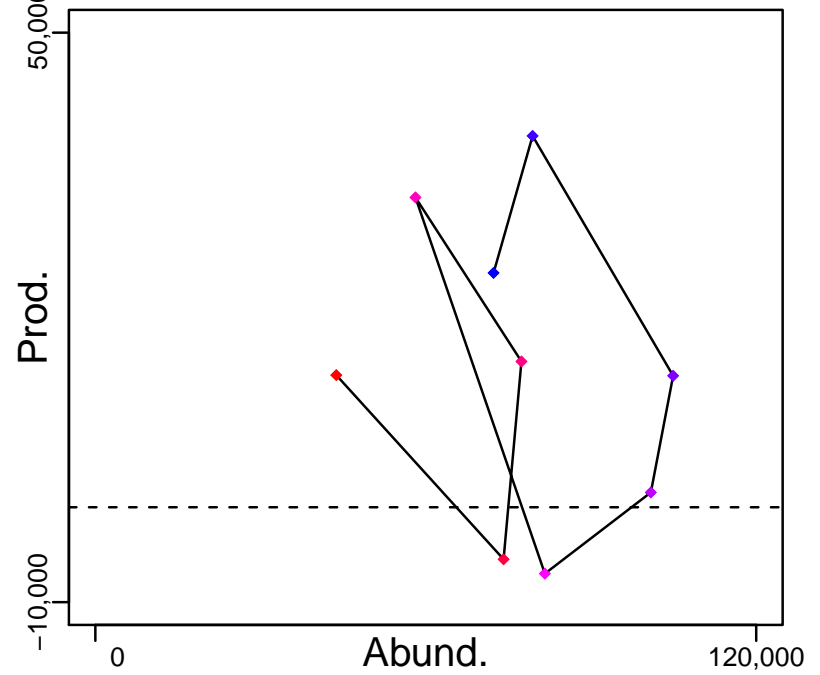
Kobe MGTpref (2005–2014–OSIO)



Spawner Recruit (2005–2014–OSIO)



Production (2005–2014–OSIO)



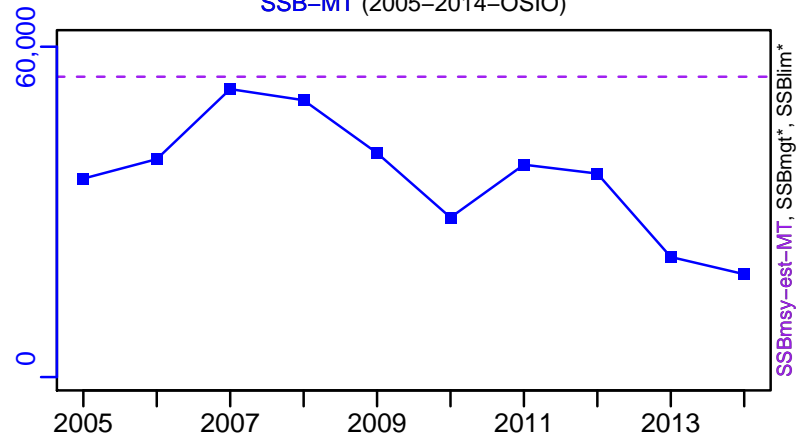
◆ Start Year ◆ End Year * No Data

Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

TB*



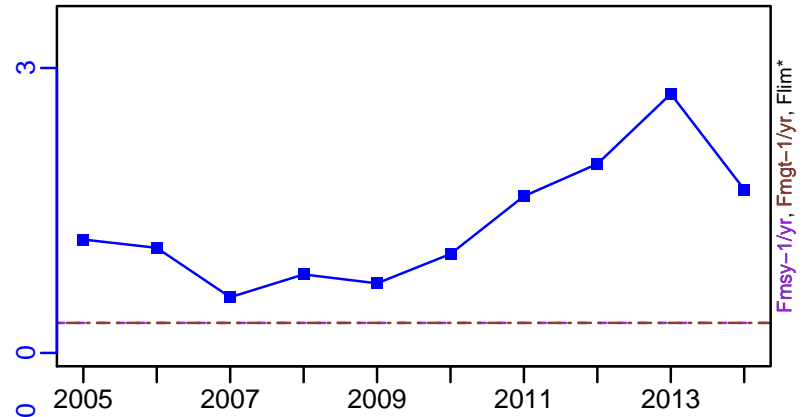
SSB-MT (2005–2014–OSIO)



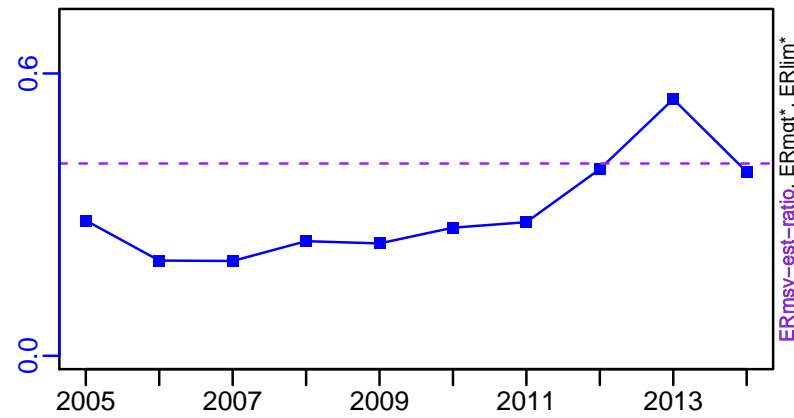
TN *



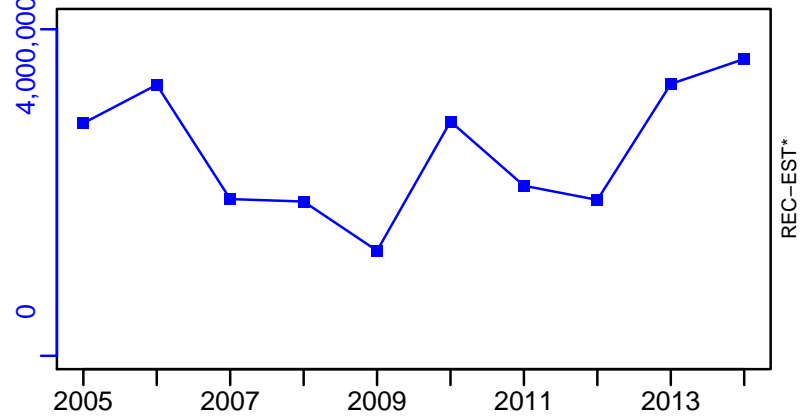
F-1/yr (2005–2014–OSIO)



ER-calc-ratio (2005–2014–OSIO)



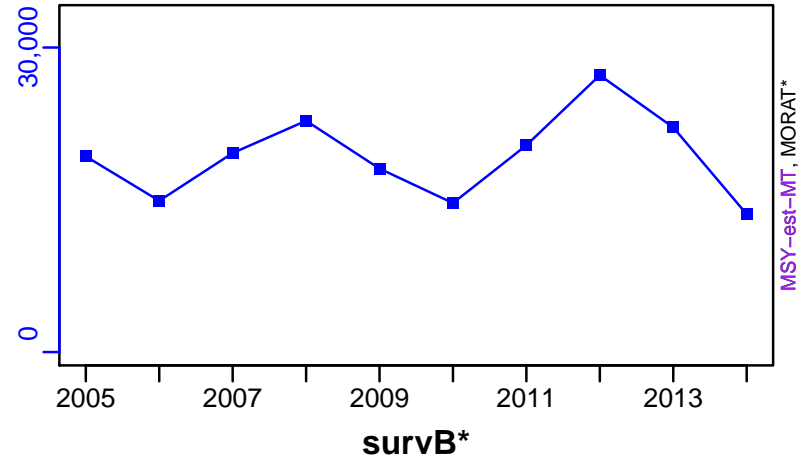
R-E00 (2005–2014–OSIO)



Mediterranean horse mackerel Black Sea [MHMACKMEDGSA29]

TC-MT, TL*, RecC* (2005–2014–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Norway lobster Adriatic Sea [NEPHMEDGSA]

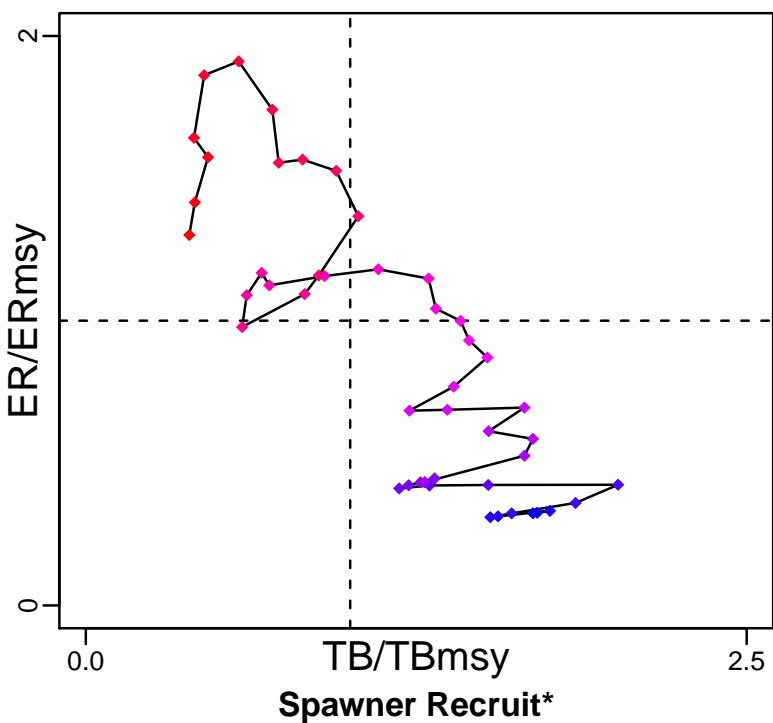
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA-1960-2015-OSIO
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	6208
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	0.38
ERmsy	ERmsy-est-ratio	2015	0.38
TBmgt	TBmgt-MT	2015	6355
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	2329
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

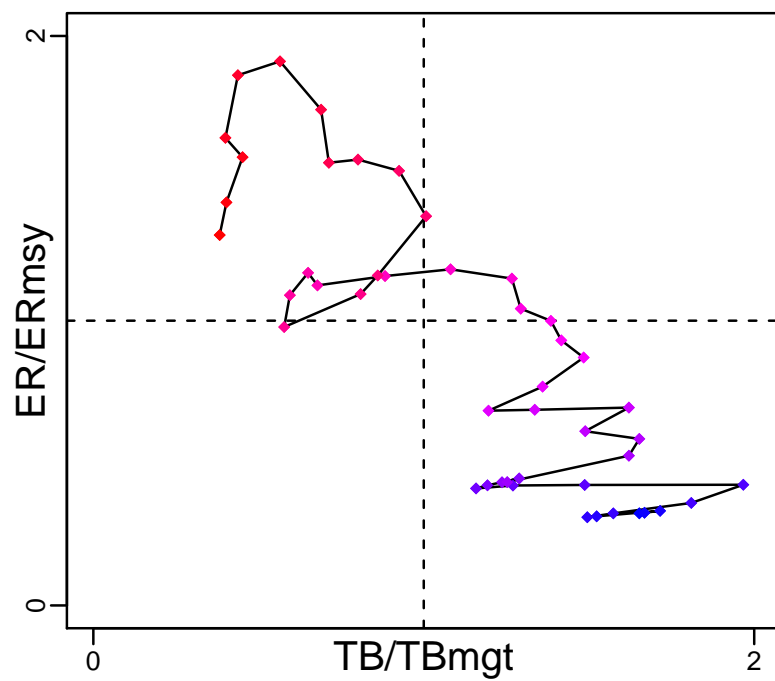
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	2430	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	-	-	-		
TL	TL-MT	2015	1190		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	0.39		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.28		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	1.3		
TB/TBmgt	TB-MT/TBmgt-MT	2015	0.38		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Norway lobster Adriatic Sea [NEPHMEDGSA]

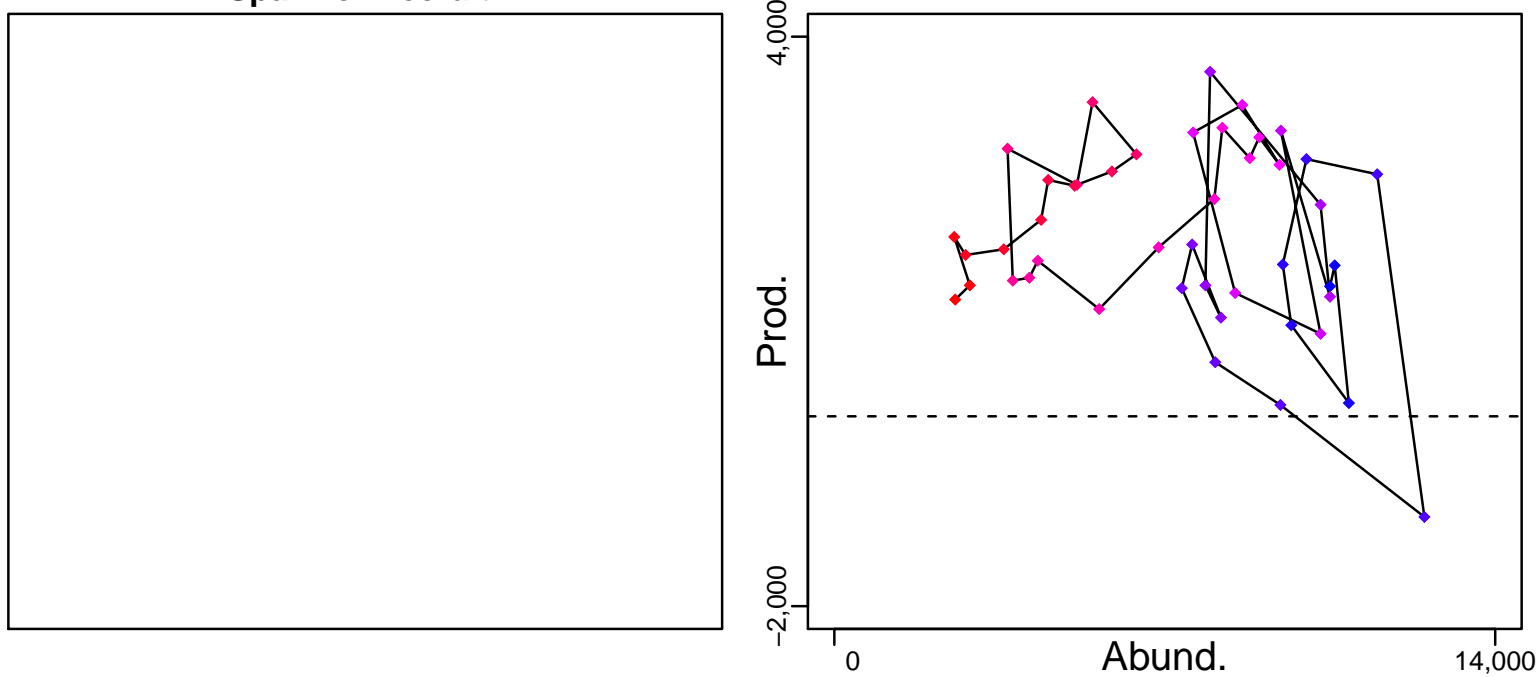
Kobe MSYpref (1960–2015–OSIO)



Kobe MGTpref (1960–2015–OSIO)

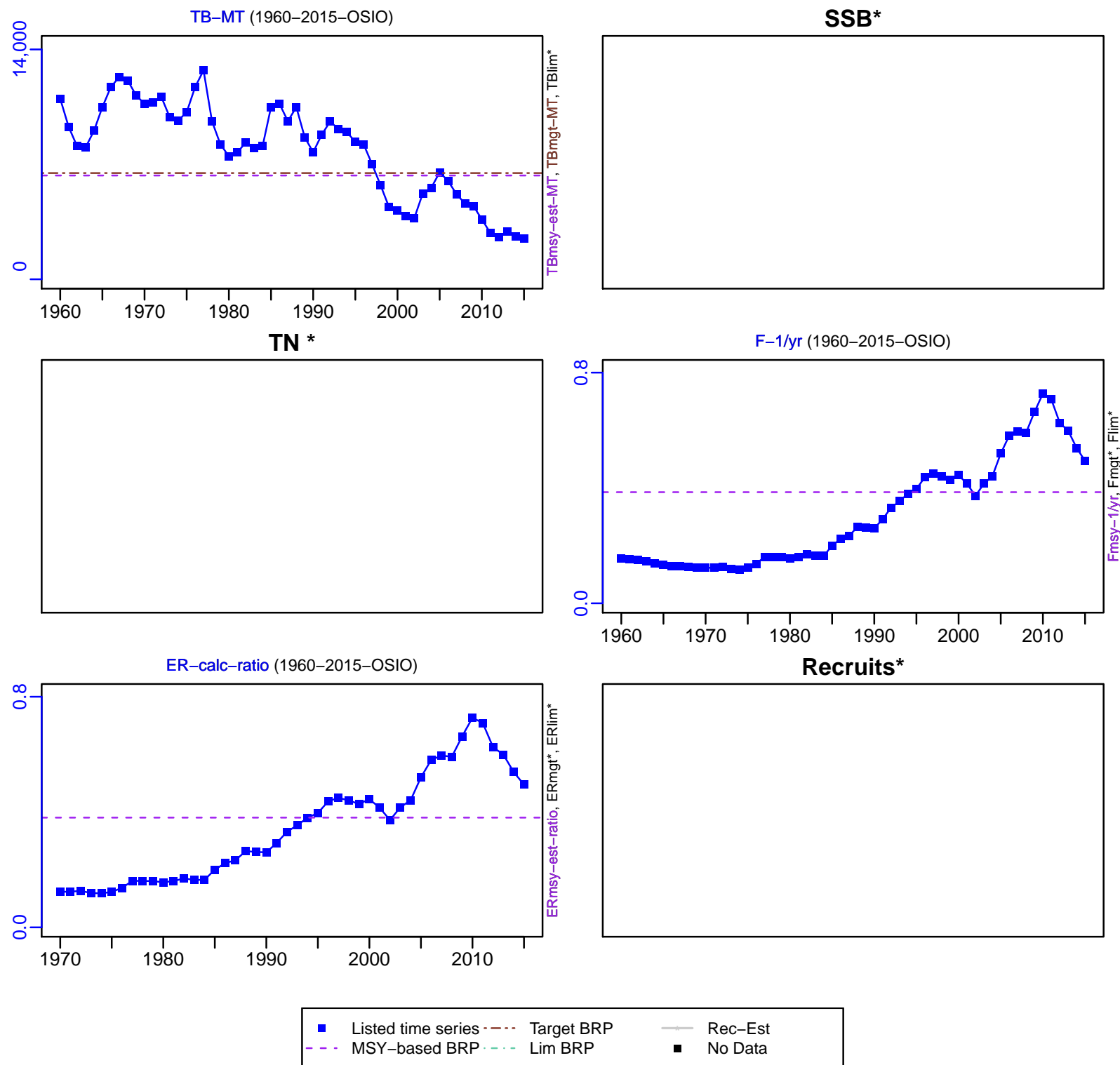


Production (1960–2015–OSIO)



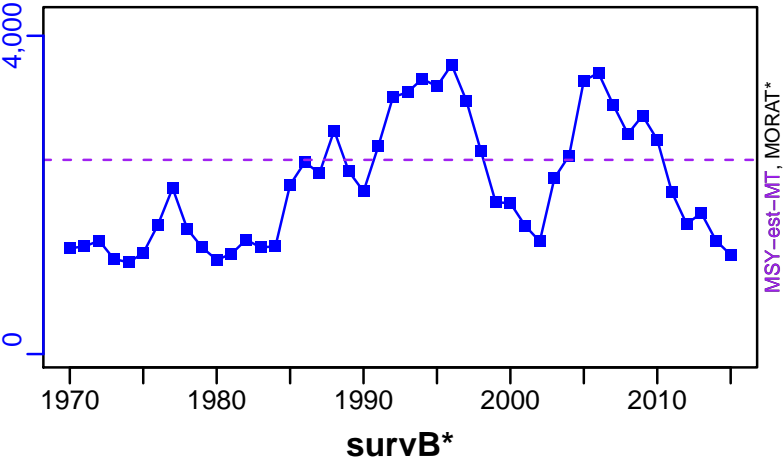
◆ Start Year ◆ End Year * No Data

Norway lobster Adriatic Sea [NEPHMEDGSA]



Norway lobster Adriatic Sea [NEPHMEDGSA]

TL-MT, TC*, RecC* (1960-2015-OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



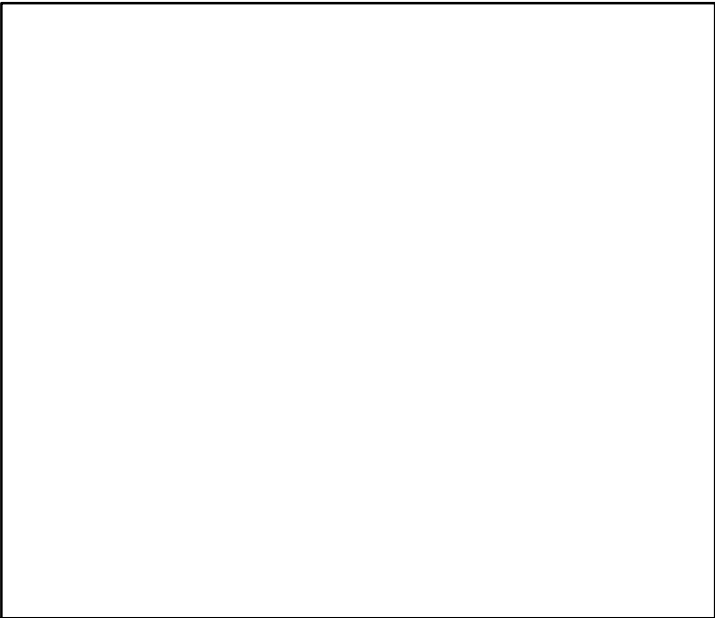
Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

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	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	74.6		
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	-	-	-		

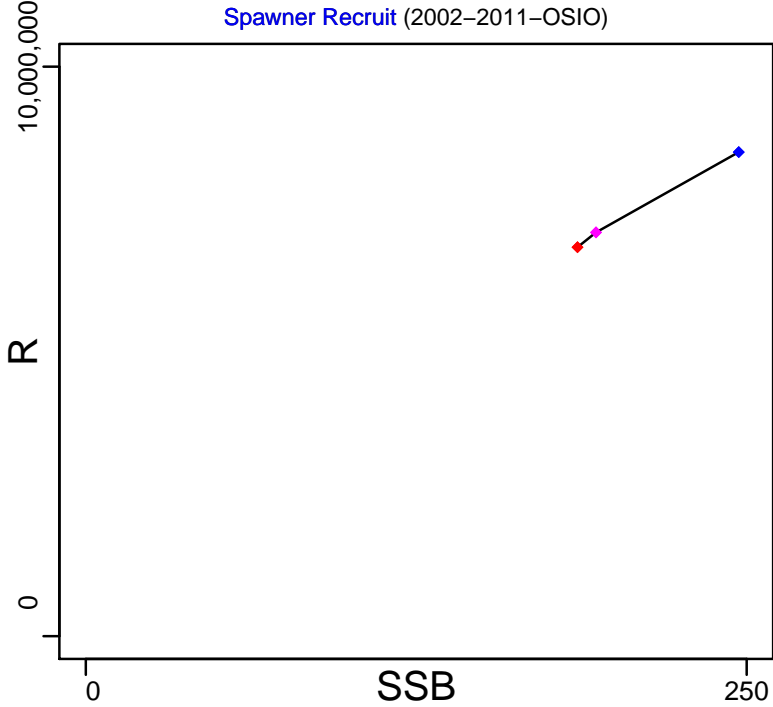
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002–2011–OSIO)



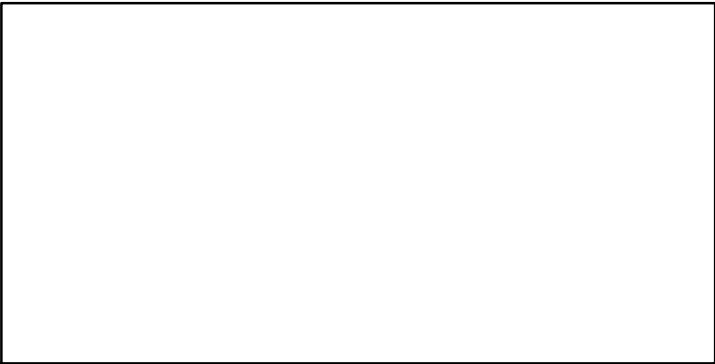
Production*



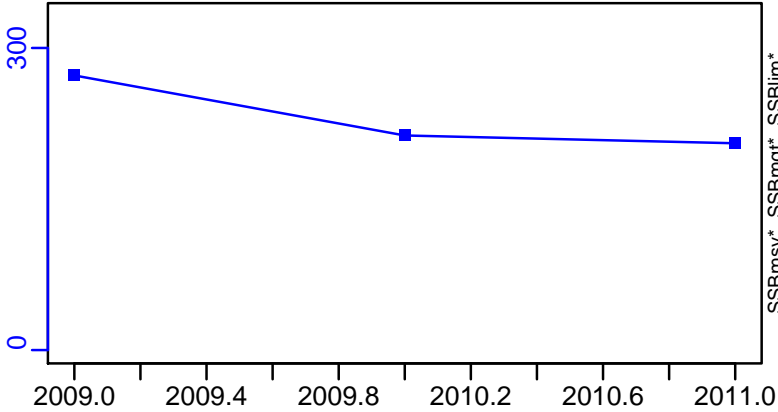
◆ Start Year ◆ End Year * No Data

Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

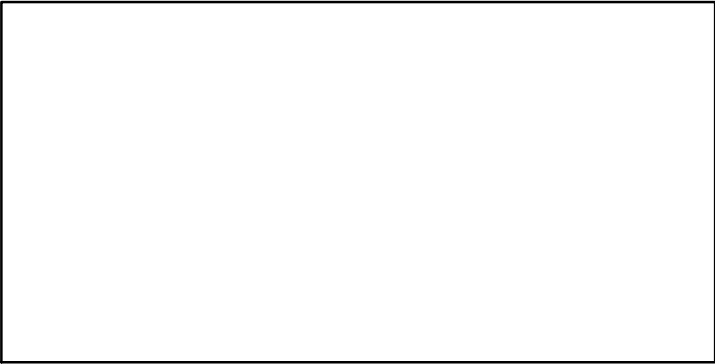
TB*



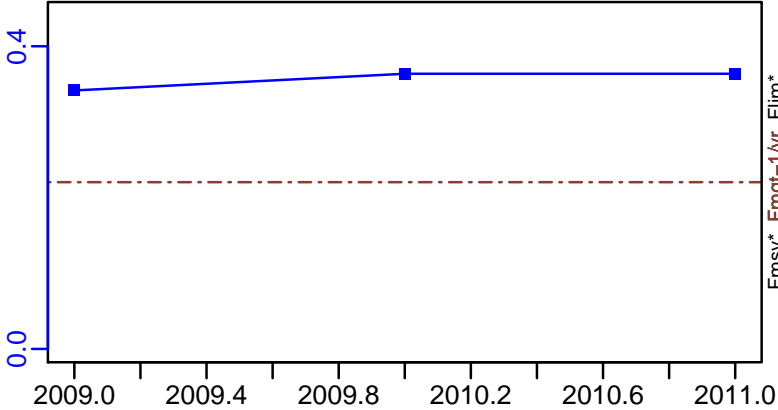
SSB-MT (2002–2011–OSIO)



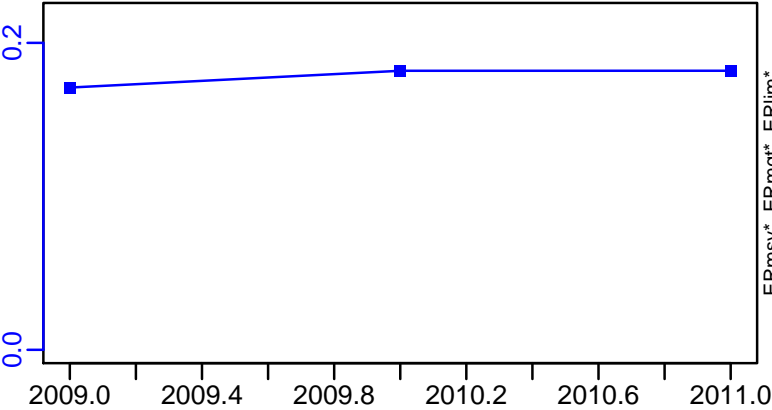
TN *



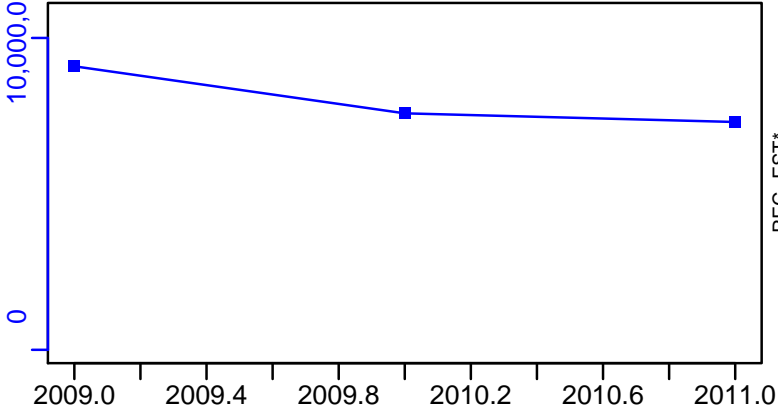
F-1/yr (2002–2011–OSIO)



ER-calc-ratio (2002–2011–OSIO)

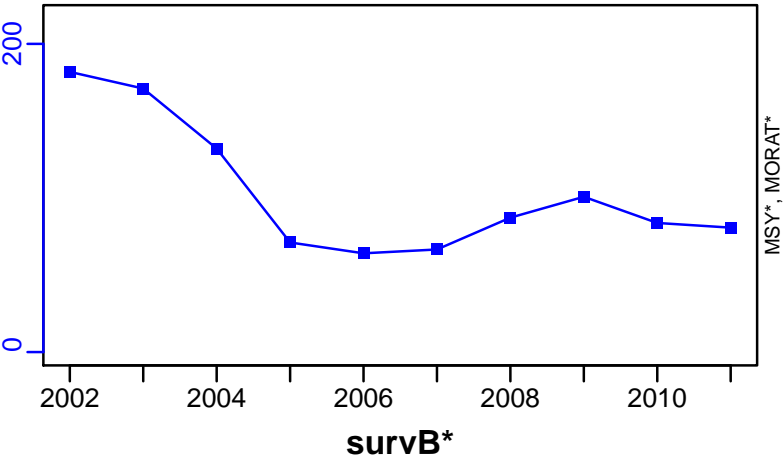


R-E00 (2002–2011–OSIO)



Norway lobster Northern Alboran Sea [NEPHMEDGSA1]

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



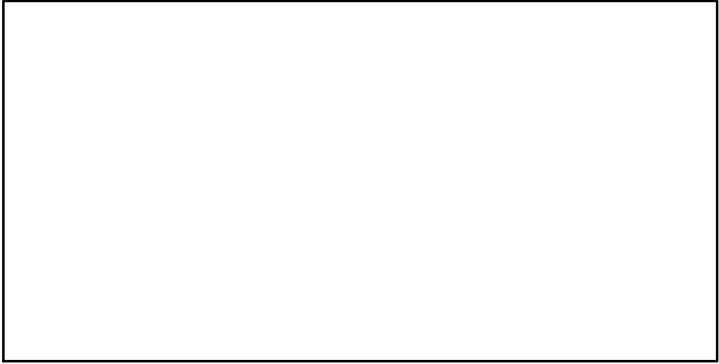
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Norway lobster Sardinia [NEPHMEDGSA11]

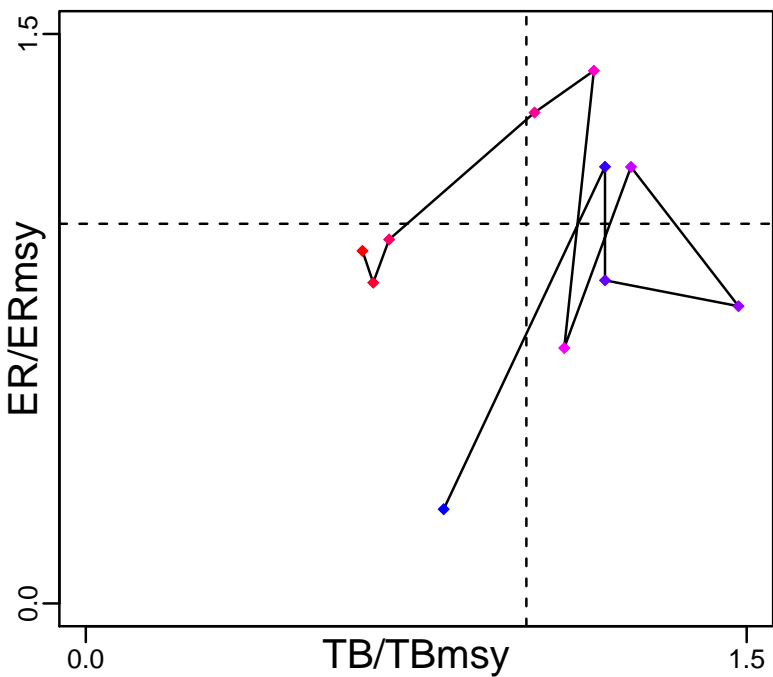
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA11-2005-2015-OSIO
Area	Sardinia
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	119
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2015	0.26
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	31
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

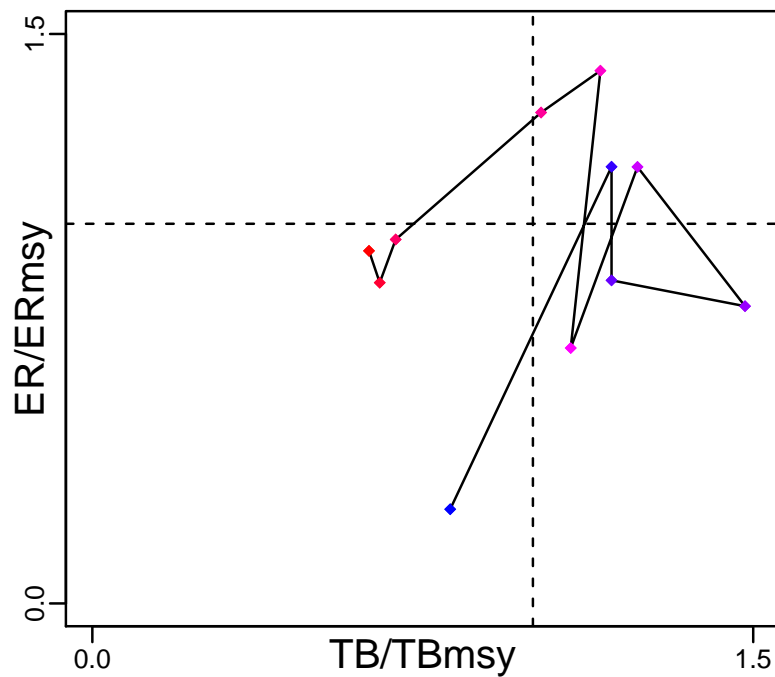
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	75	-	-
SSB	SSB-MT	2015	39	-	-
TN	-	-	-	-	-
R	R-E00	2015	1,370,000	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	18.2	-	-
TL	TL-MT	2015	18.2	-	-
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	0.63	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.93	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Norway lobster Sardinia [NEPHMEDGSA11]

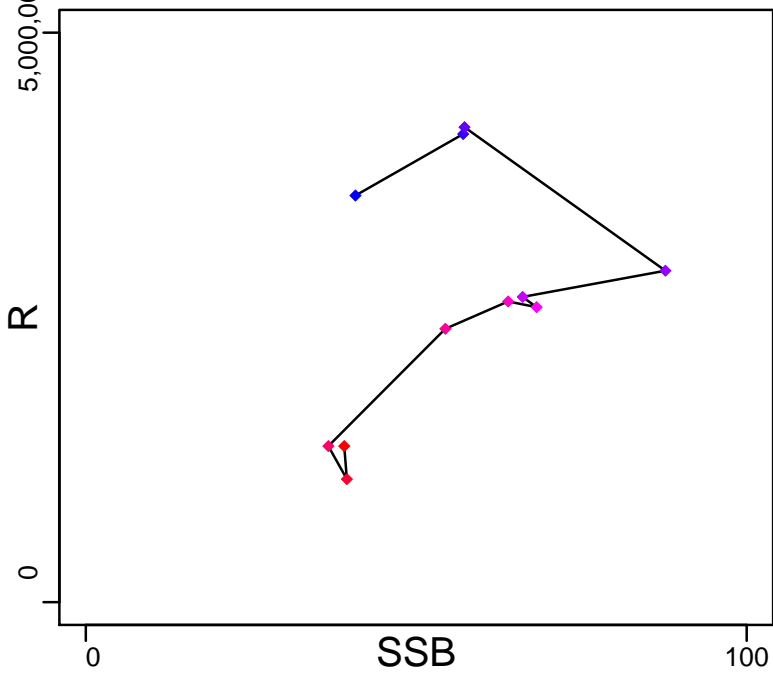
Kobe MSYpref (2005–2015–OSIO)



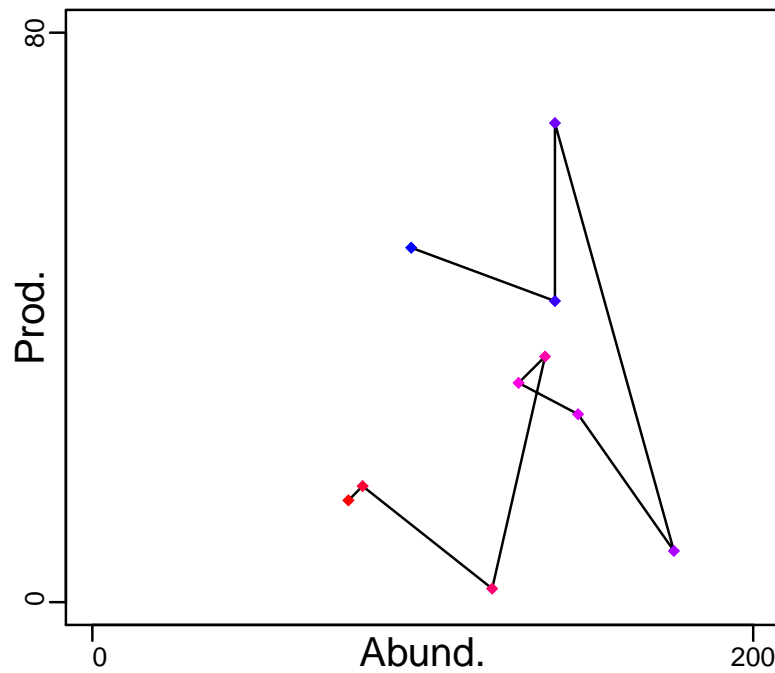
Kobe MGTpref (2005–2015–OSIO)



Spawner Recruit (2005–2015–OSIO)

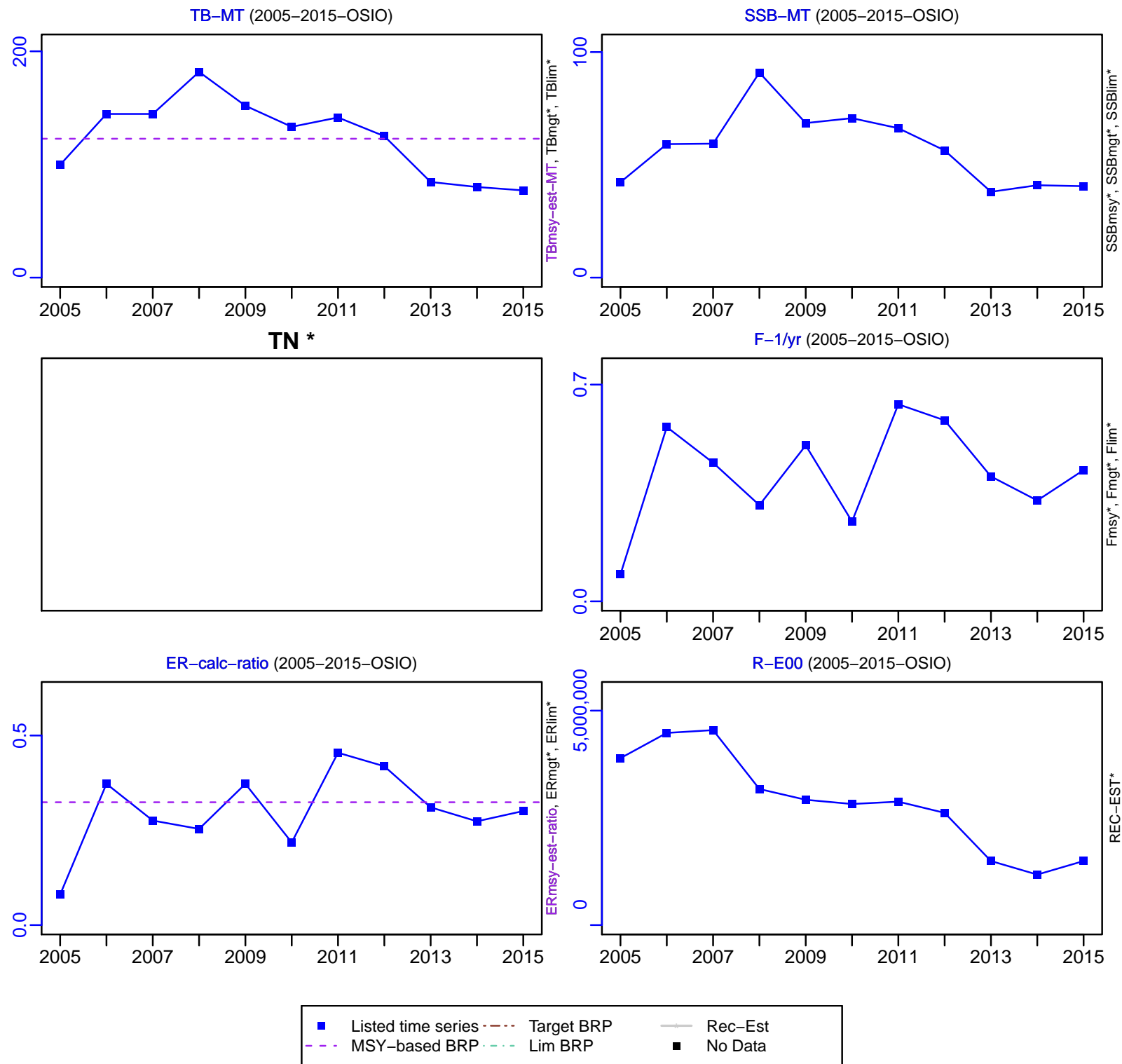


Production (2005–2015–OSIO)



◆ Start Year ◆ End Year * No Data

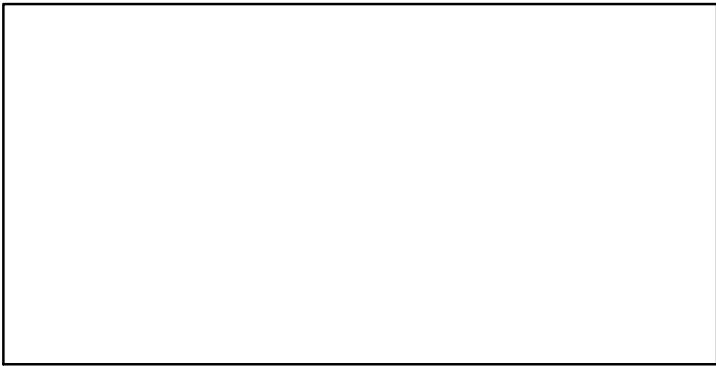
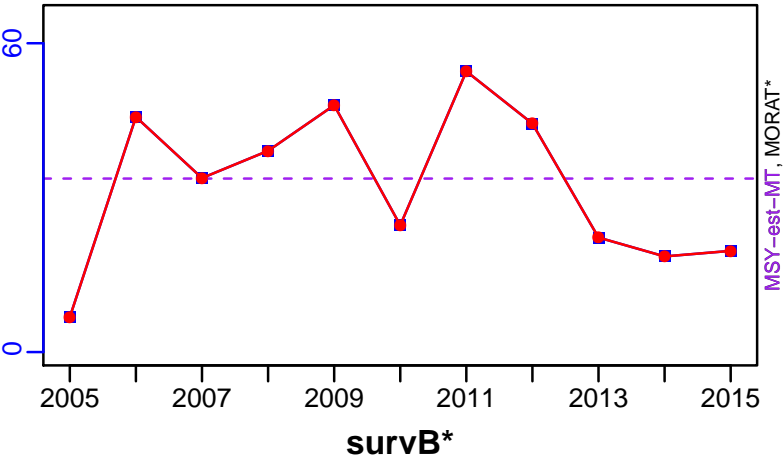
Norway lobster Sardinia [NEPHMEDGSA11]



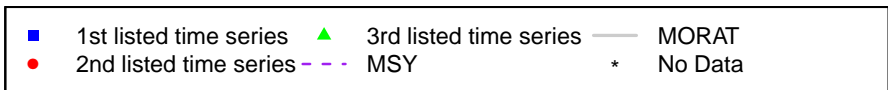
Norway lobster Sardinia [NEPHMEDGSA11]

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

TAC*, Cpair*, Cadv*



EFFORT*



Norway lobster Malta Island and South of Sicily [NEPHMEDGSA15-16]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA15-16-2002-2012-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	0.2
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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

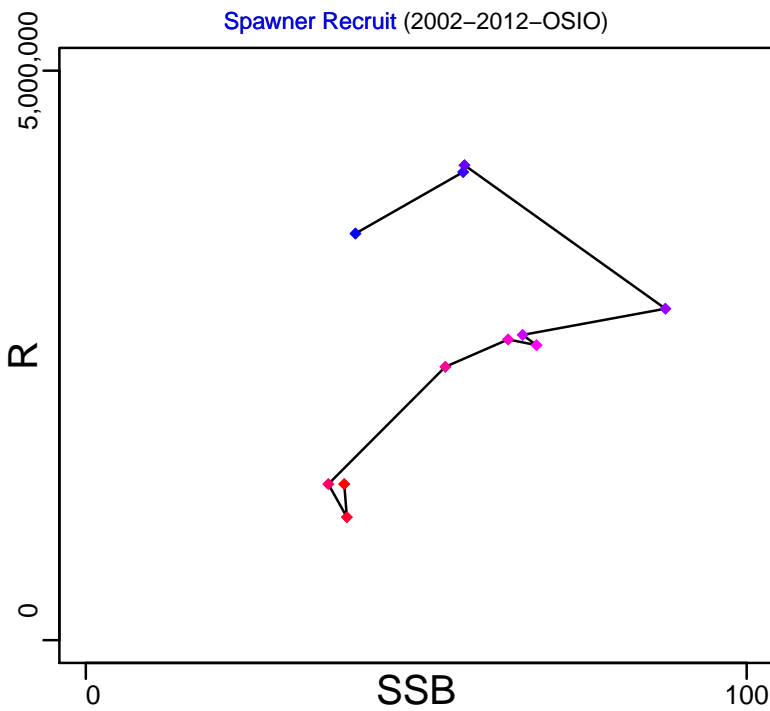
Kobe MSY*



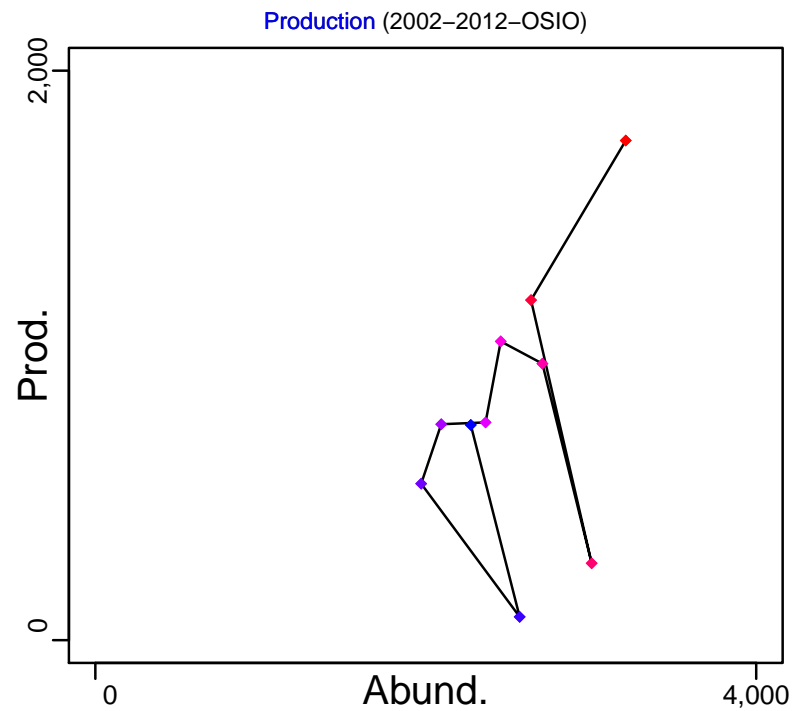
Kobe MGT*



Spawner Recruit (2002-2012-OSIO)



Production (2002-2012-OSIO)



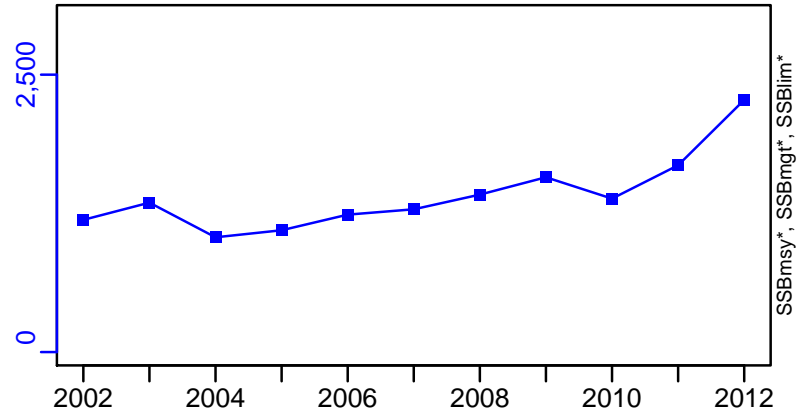
◆ Start Year ◆ End Year * No Data

Norway lobster Malta Island and South of Sicily [NEPHMEDGSA15-16]

TB*



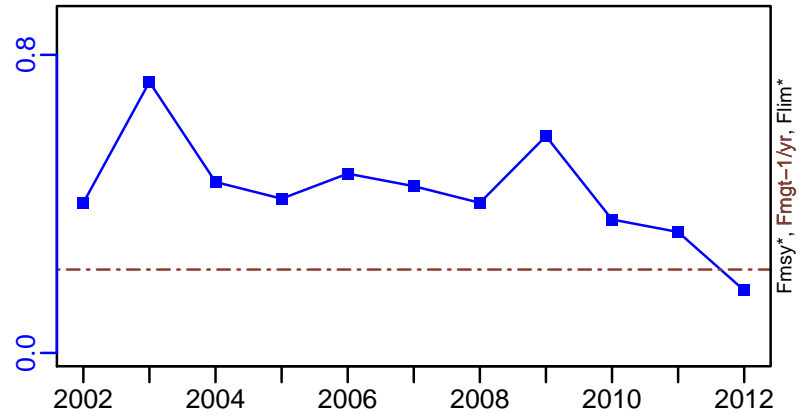
SSB-MT (2002-2012-OSIO)



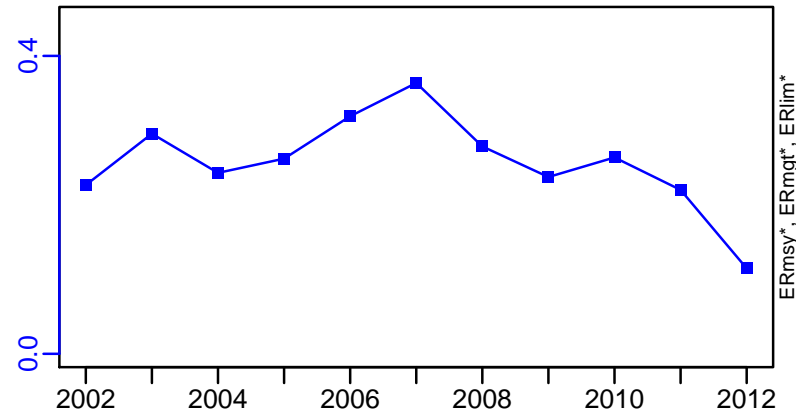
TN *



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



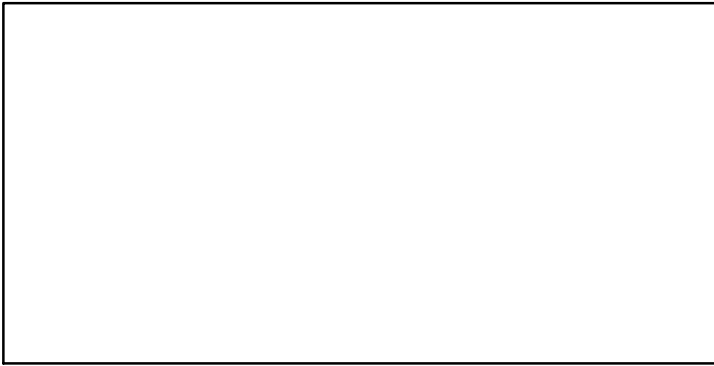
ER-calc-ratio (2002-2012-OSIO)



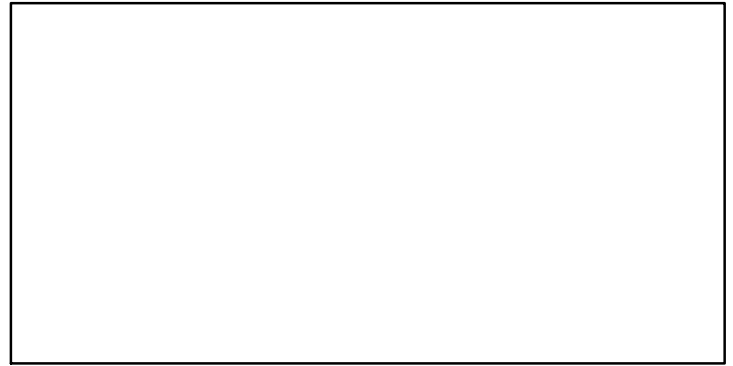
Recruits*



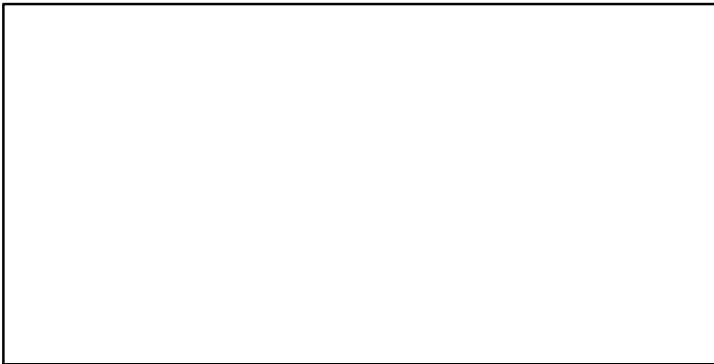
TC*, TL*, RecC*



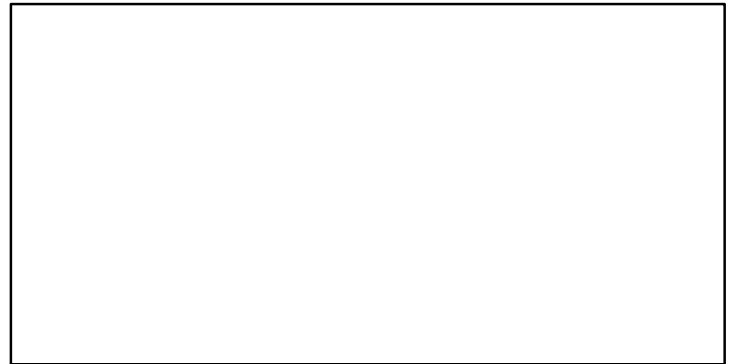
TAC*, Cpair*, Cadv*



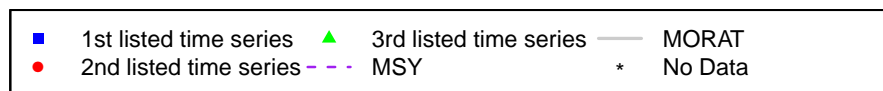
survB*



CPUE*



EFFORT*



Norway Lobster Balearic Island [NEPHMEDGSA5]

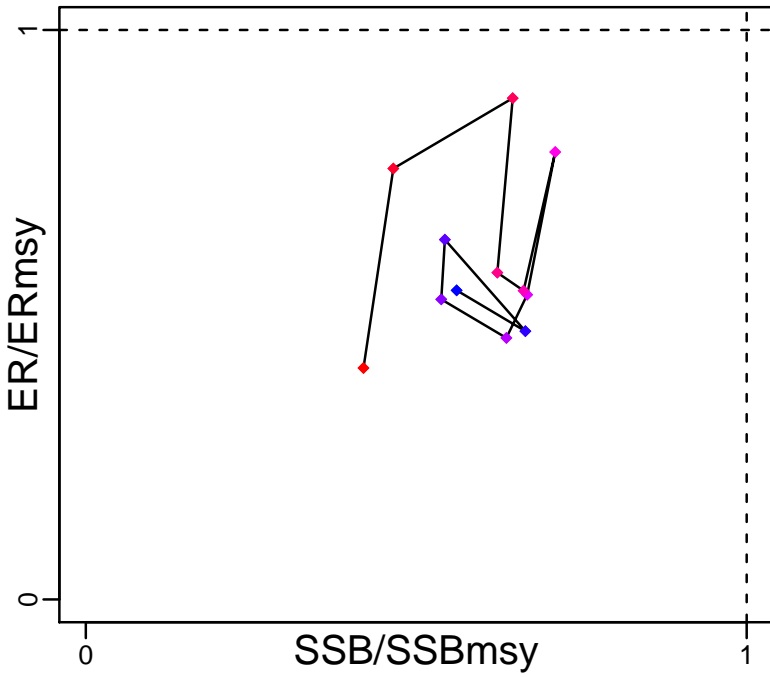
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA5-2002-2013-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011,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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2011	157
SSBmsy	SSBmsy-est-MT	2013	73
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.32
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.17
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	57
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

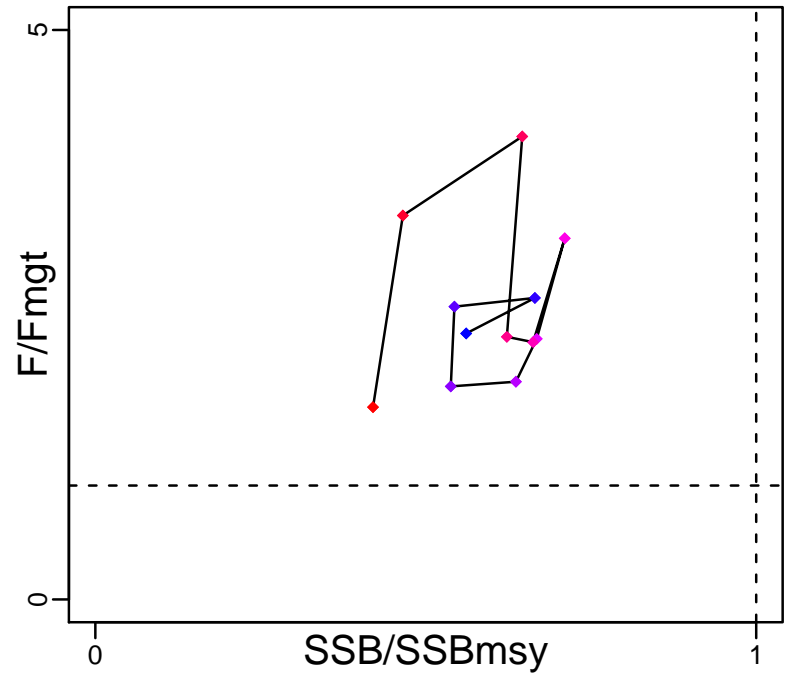
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	100	-	-
SSB	SSB-MT	2013	31	-	4+
TN	-	-	-	-	-
R	R-E00	2013	1,620,000	-	-
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	9.7		
TL	TL-MT	2011	32.1		
TB/TBmsy	TB-MT/TBmsy-est-MT	2011	0.64		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.42		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.41		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.69		
ER/ERmgt	-	-	-		

Norway Lobster Balearic Island [NEPHMEDGSA5]

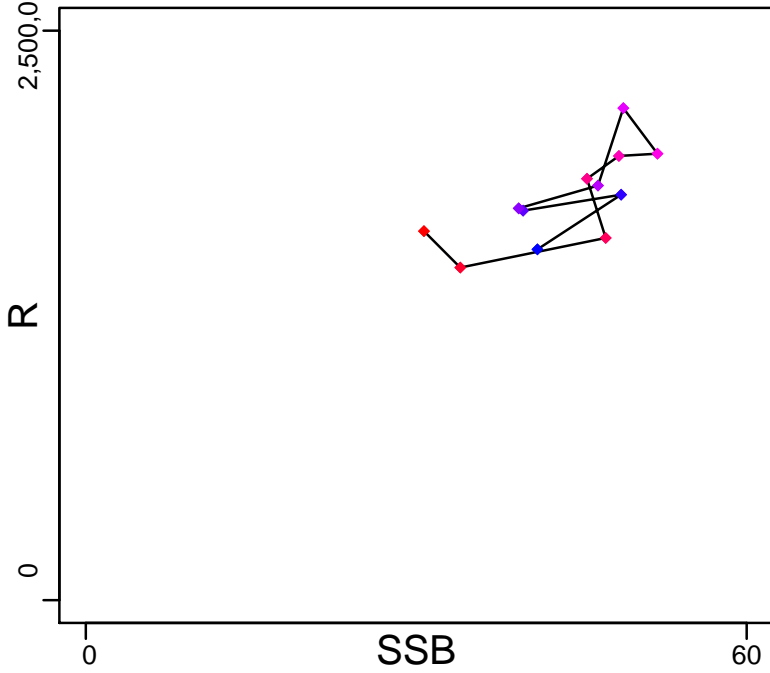
Kobe MSYpref (2002–2013–OSIO)



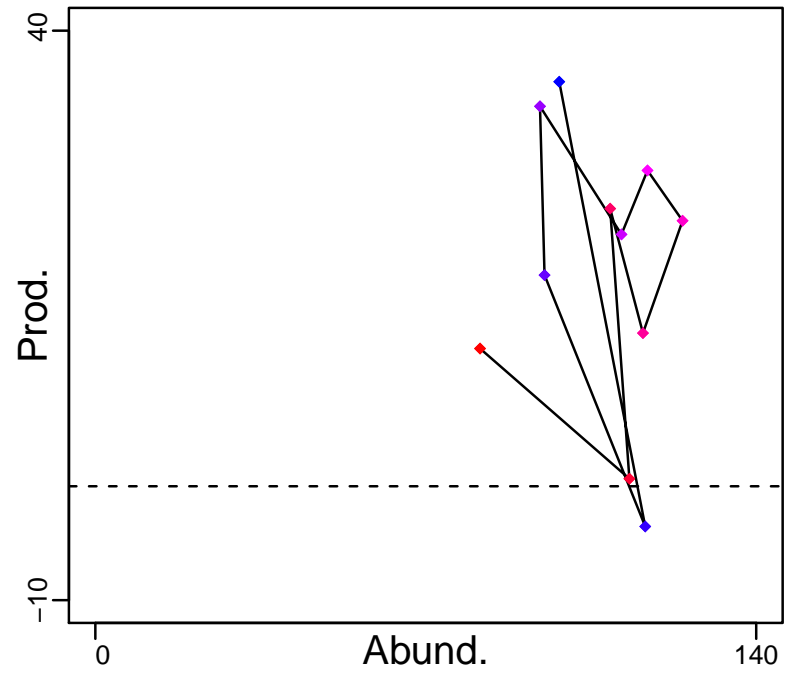
Kobe MGTpref (2002–2013–OSIO)



Spawner Recruit (2002–2013–OSIO)



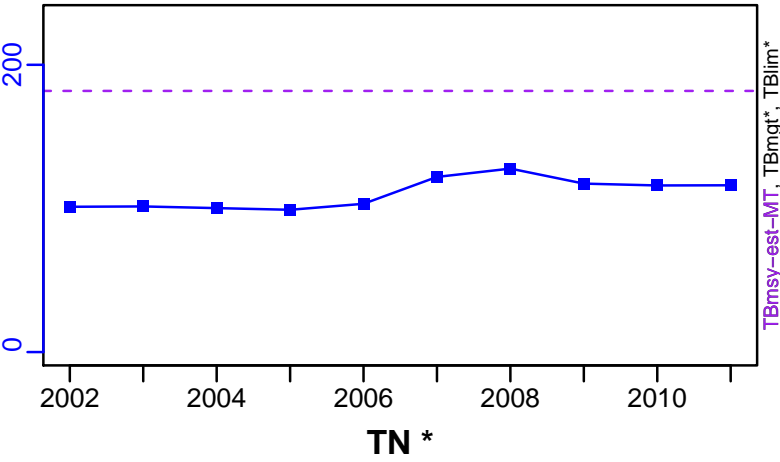
Production (2002–2013–OSIO)



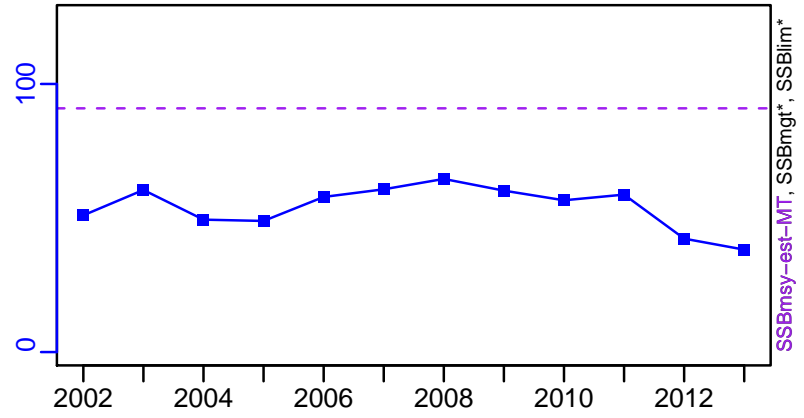
◆ Start Year ◆ End Year * No Data

Norway Lobster Balearic Island [NEPHMEDGSA5]

TB-MT (1986–2011–BANOB)



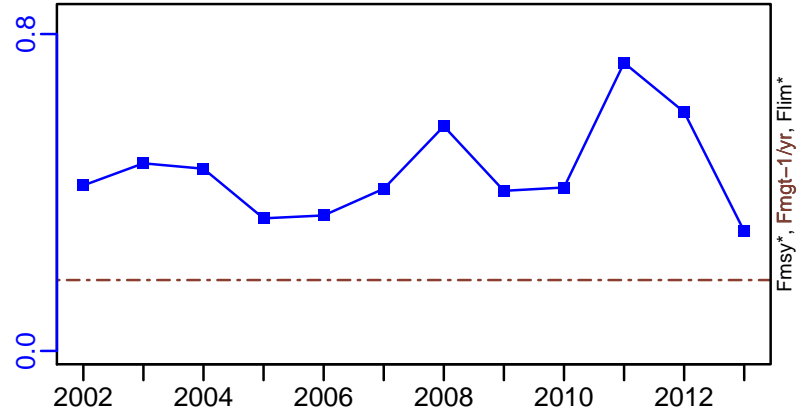
SSB-MT (2002–2013–OSIO)



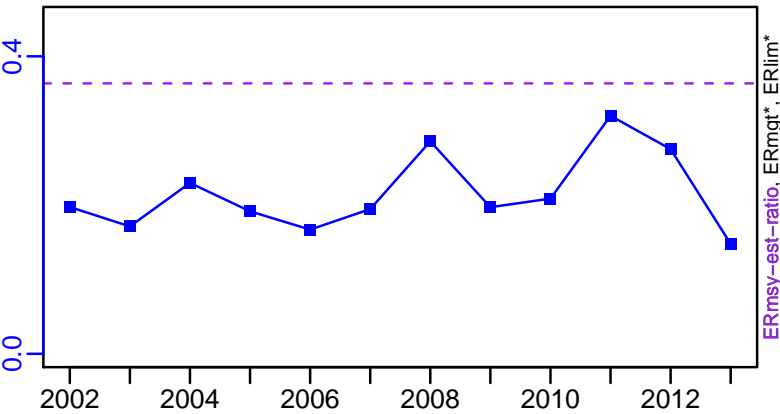
TN *



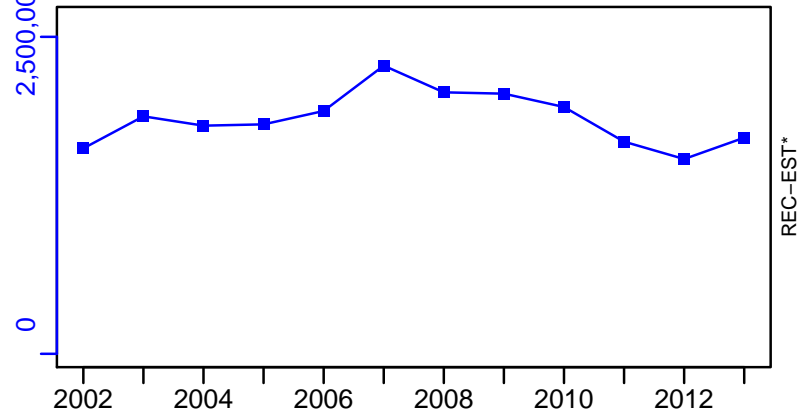
F-1/yr (2002–2013–OSIO)



ER-calc-ratio (2002–2013–OSIO)

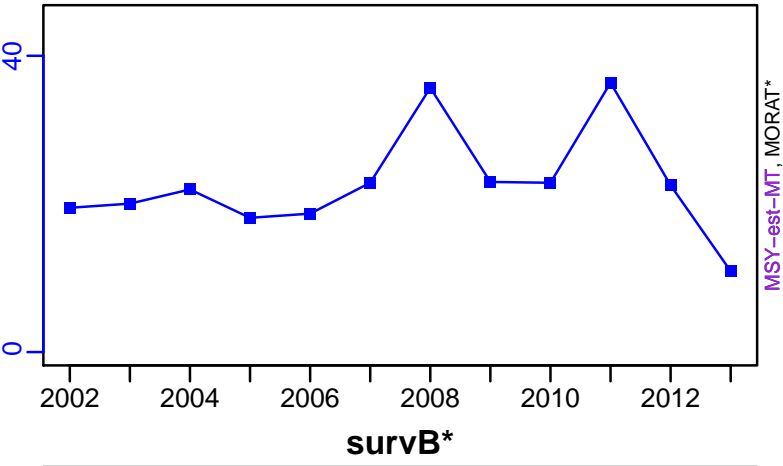


R-E00 (2002–2013–OSIO)

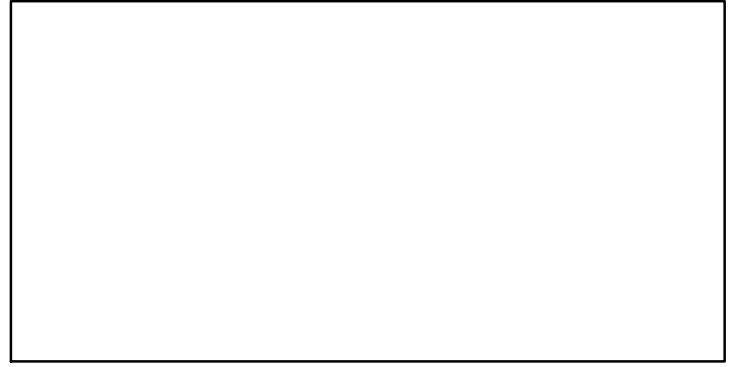


Norway Lobster Balearic Island [NEPHMEDGSA5]

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



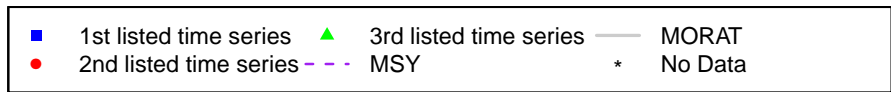
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Norway lobster Northern Spain [NEPHMEDGSA6]

Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA6-2002-2015-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, 2015

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

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2011	476	-	4+
TN	-	-	-	-	-
R	R-E00	2011	59,700,000	-	-
F	F-1/yr	2015	2	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	497		
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	2011	5		
ER/ERmgt	-	-	-		

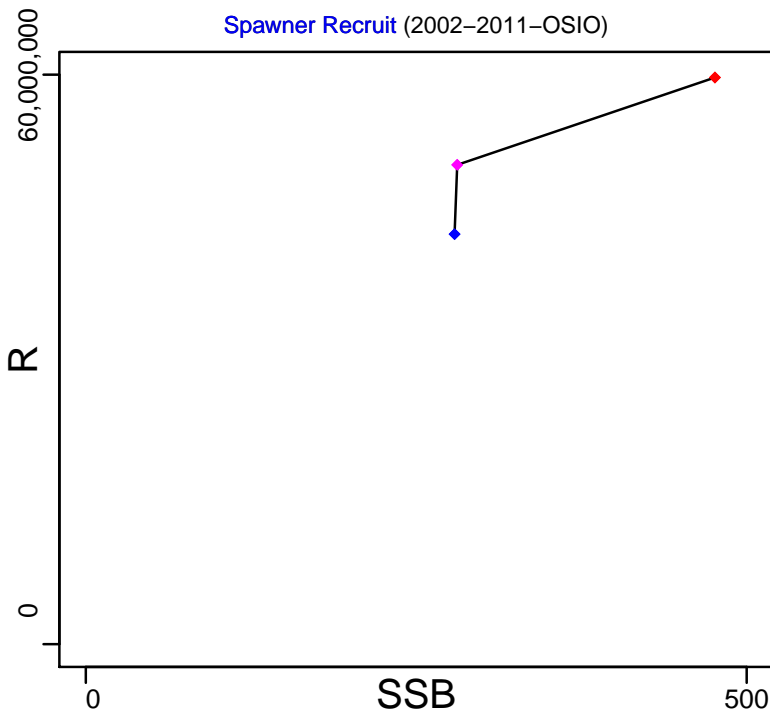
Kobe MSY*



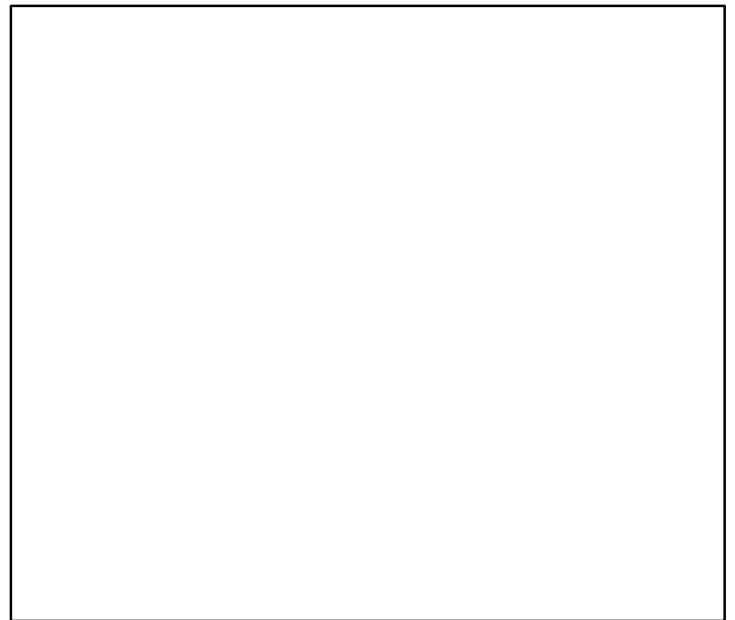
Kobe MGT*



Spawner Recruit (2002–2011–OSIO)



Production*



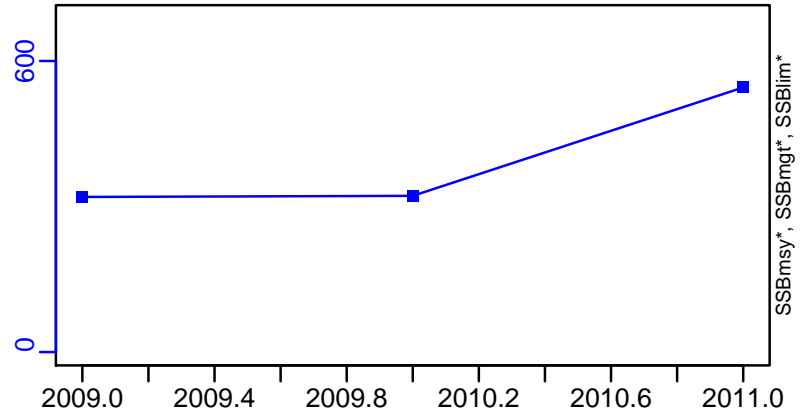
◆ Start Year ◆ End Year * No Data

Norway lobster Northern Spain [NEPHMEDGSA6]

TB*



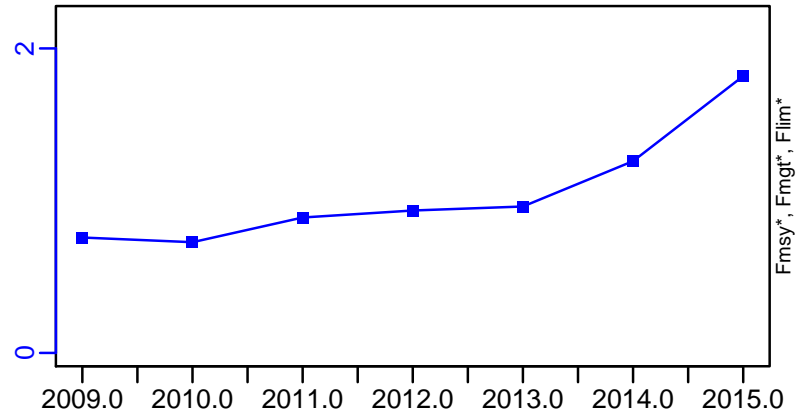
SSB-MT (2002-2011-OSIO)



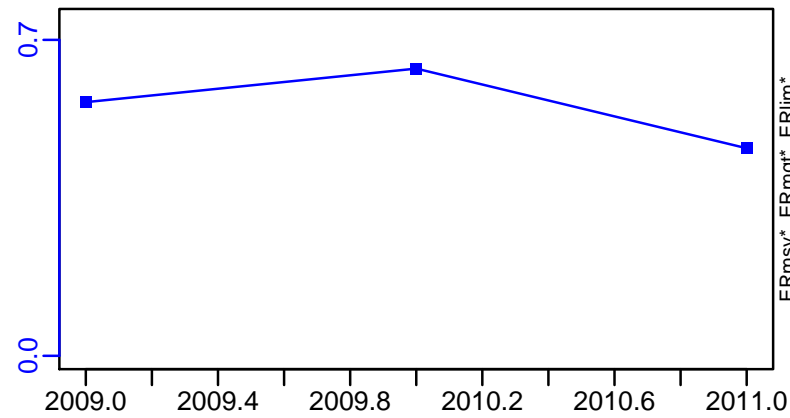
TN *



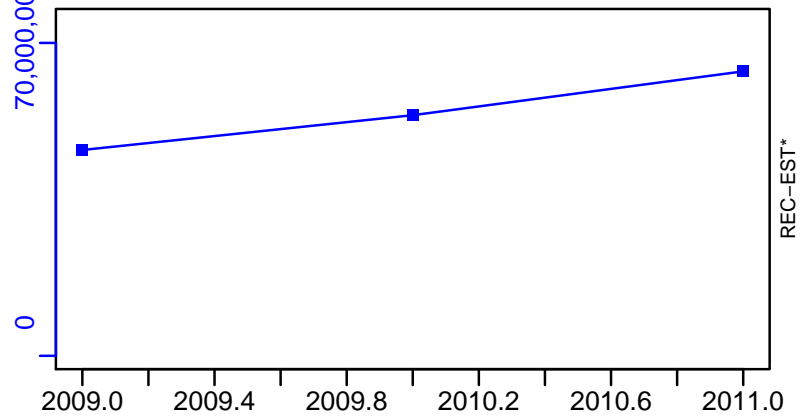
F-1/yr (2002-2015-OSIO)



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



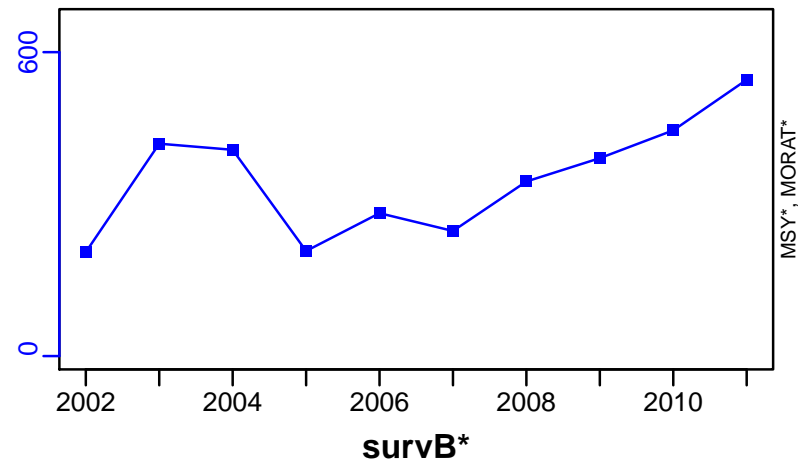
R-E00 (2002-2011-OSIO)



Norway lobster Northern Spain [NEPHMEDGSA6]

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

TAC*, Cpair*, Cadv*



EFFORT*



Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

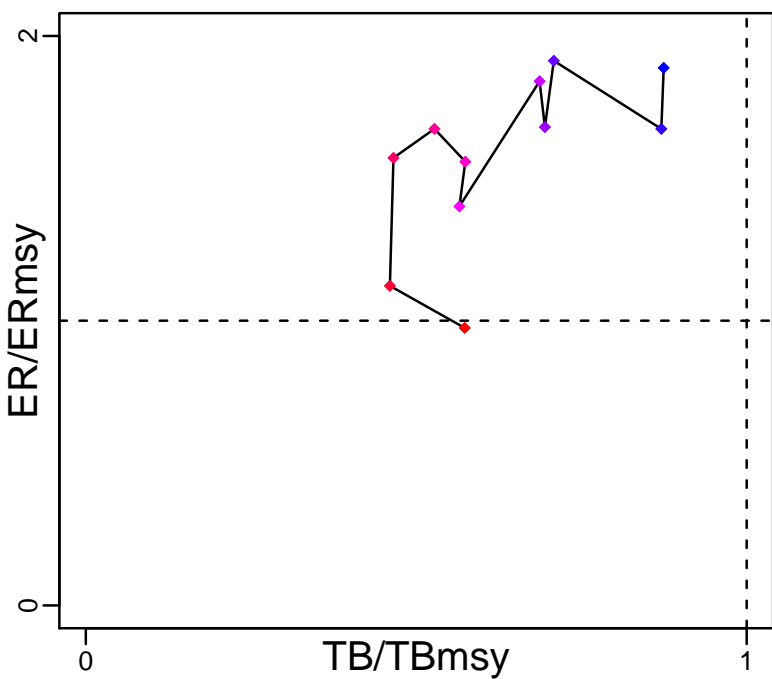
Metadata	
Scientific Name	Nephrops norvegicus
Current Assess ID	STECF-NEPHMEDGSA9-2005-2015-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015, 2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	1113
SSBmsy	SSBmsy-est-MT	2013	1843
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2015	0.15
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.21
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	165
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

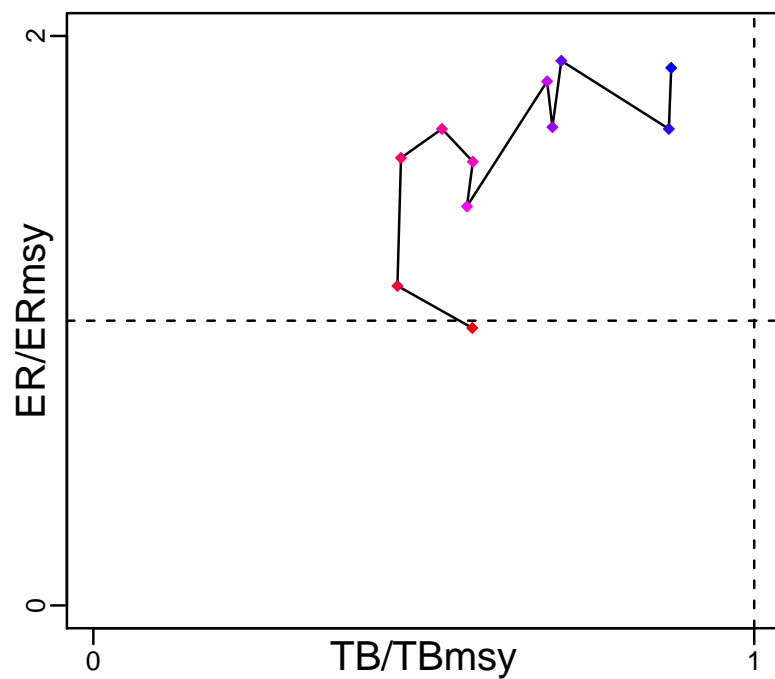
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	638	-	-
SSB	SSB-MT	2015	235	-	-
TN	-	-	-	-	-
R	R-E00	2015	1.9×10^7	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	92.4		
TL	TL-MT	2015	114		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	0.57		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.19		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.97		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	2.03		
ER/ERmgt	-	-	-		

Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

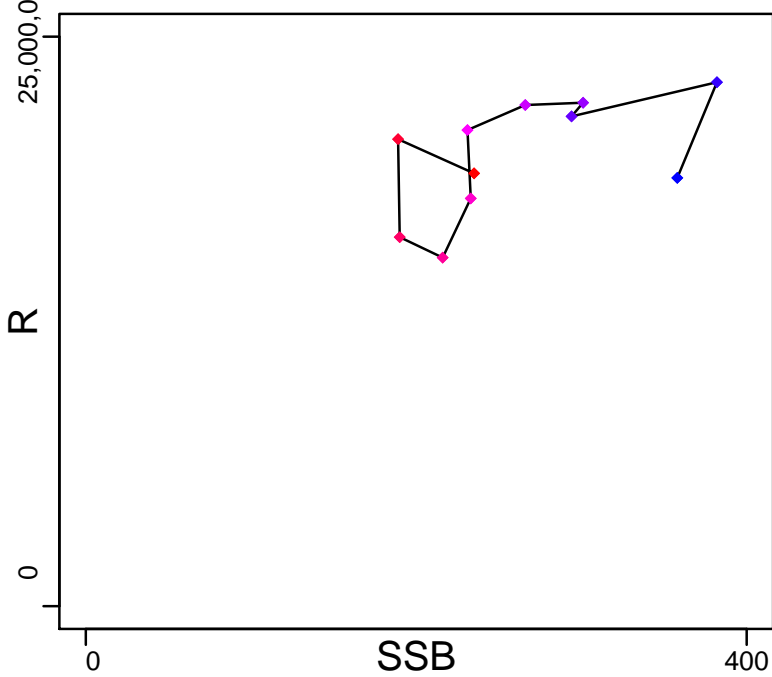
Kobe MSYpref (2005–2015–OSIO)



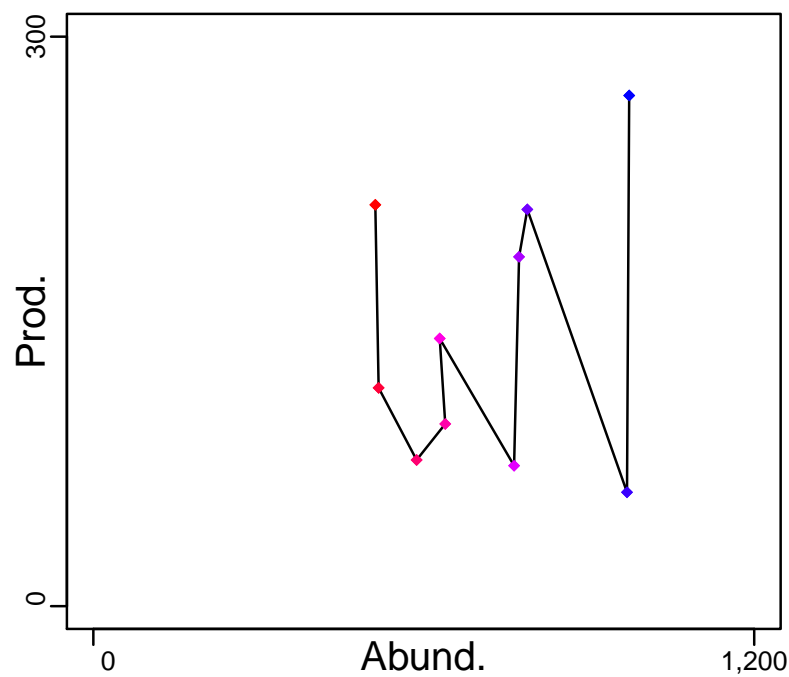
Kobe MGTpref (2005–2015–OSIO)



Spawner Recruit (2005–2015–OSIO)



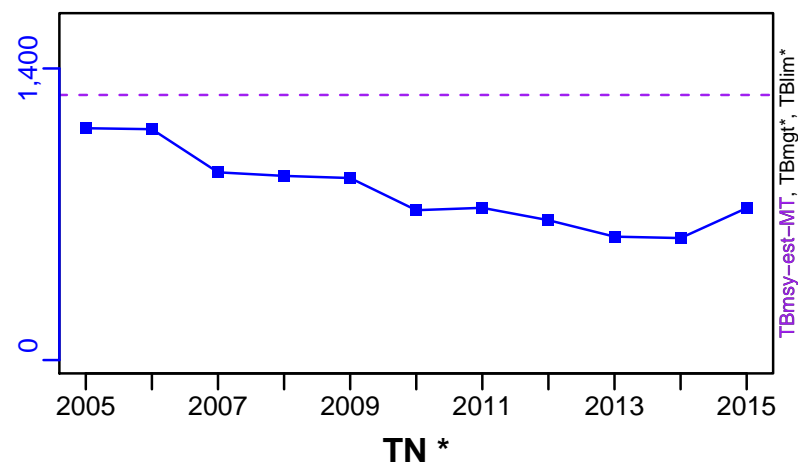
Production (2005–2015–OSIO)



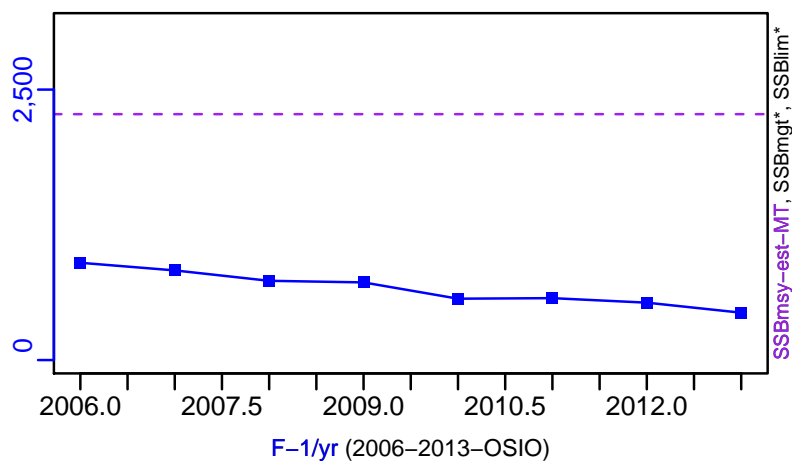
◆ Start Year ◆ End Year * No Data

Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

TB-MT (2005–2015–OSIO)

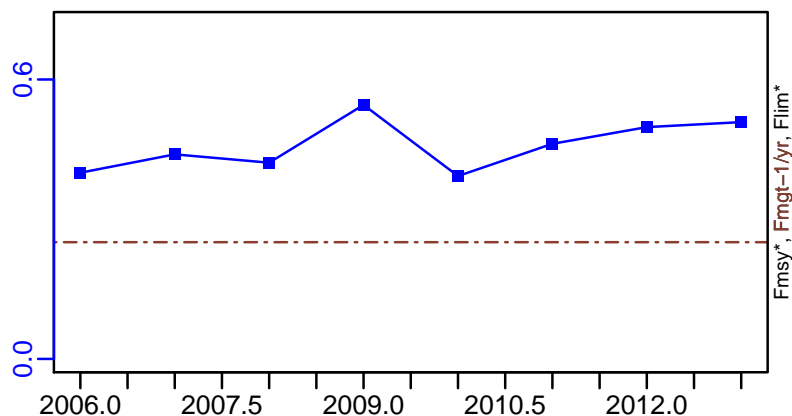


SSB-MT (2006–2013–OSIO)

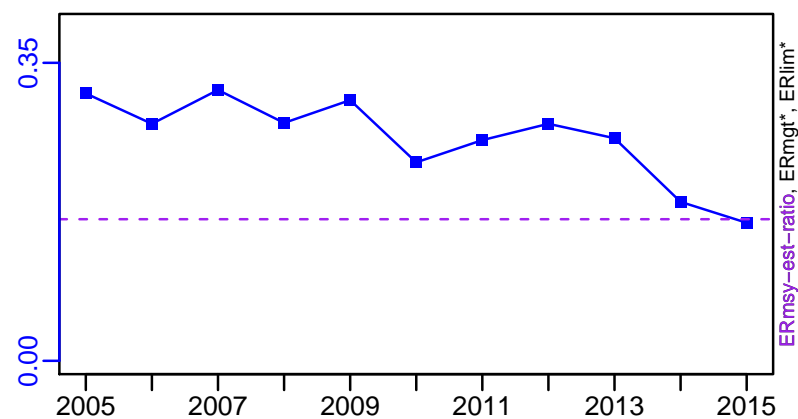


TN *

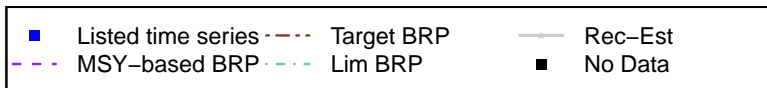
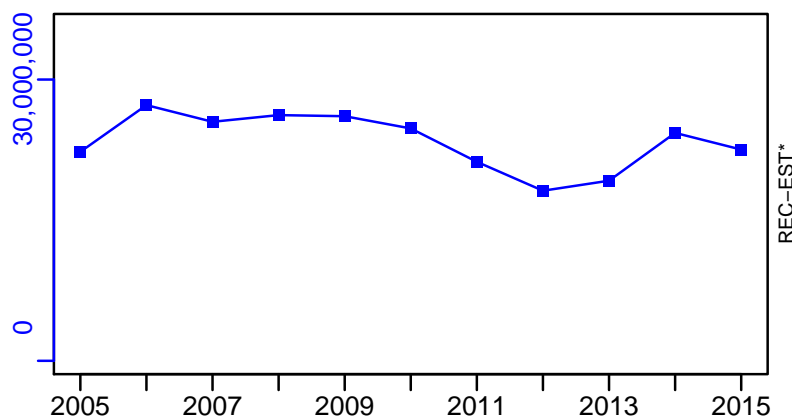
F-1/yr (2006–2013–OSIO)



ER-calc-ratio (2005–2015–OSIO)



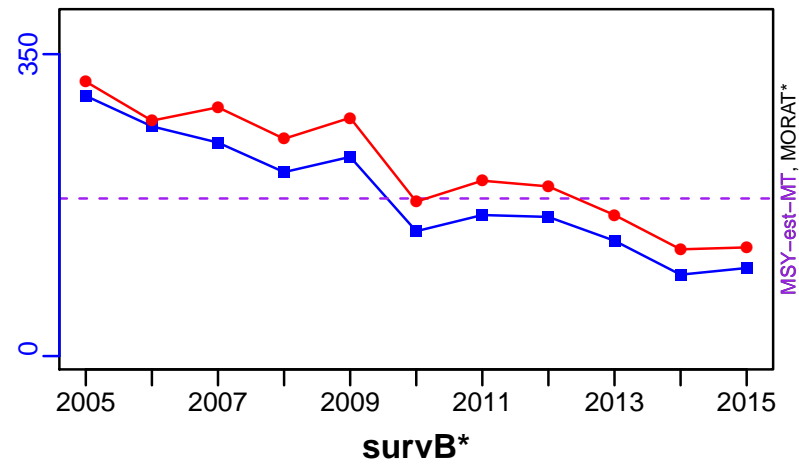
R-E00 (2005–2015–OSIO)



Norway lobster Ligurian and North Tyrrhenian Sea [NEPHMEDGSA9]

TC-MT, TL-MT, RecC* (2005–2015–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



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	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	0.26		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



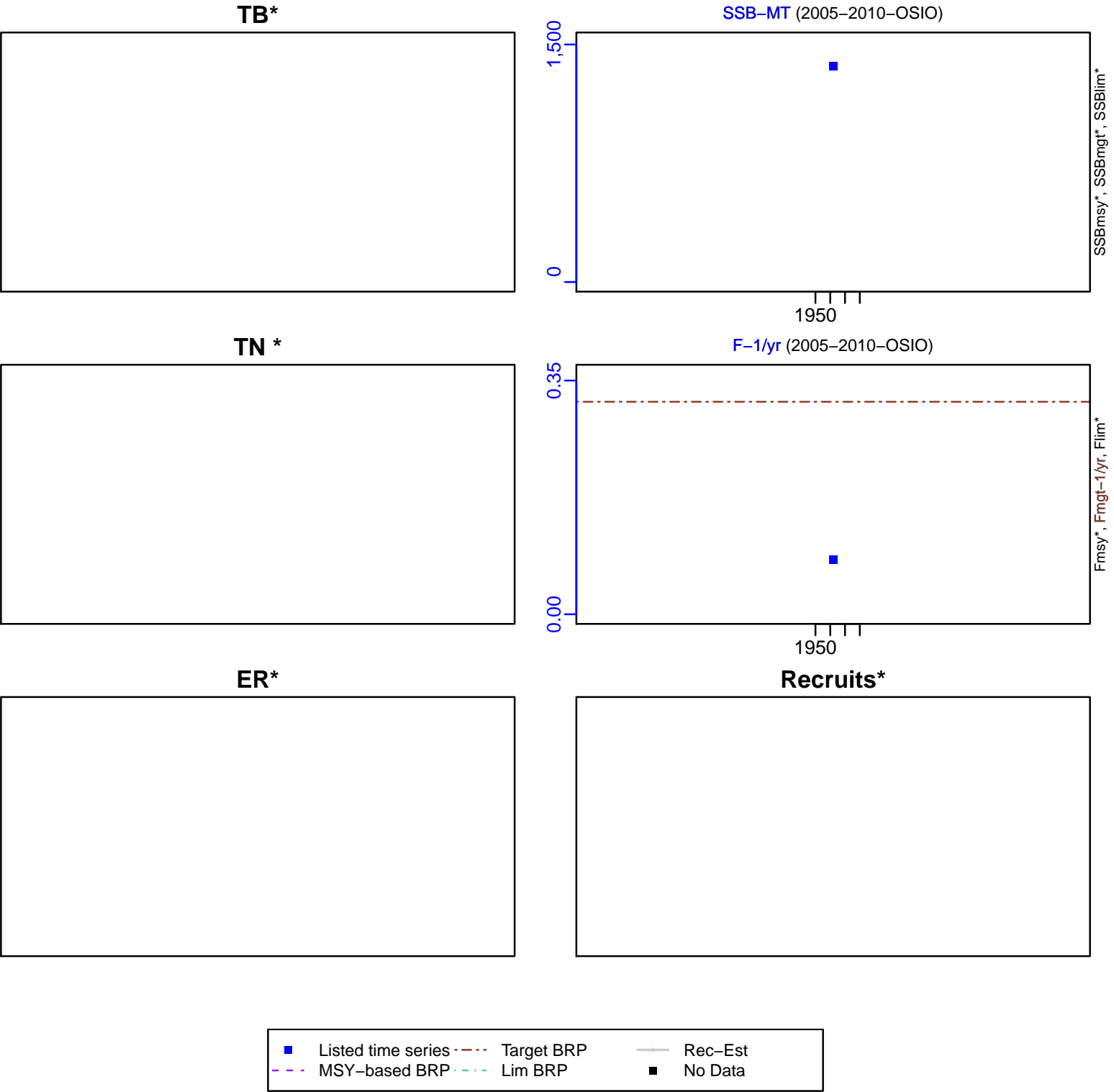
Spawner Recruit*



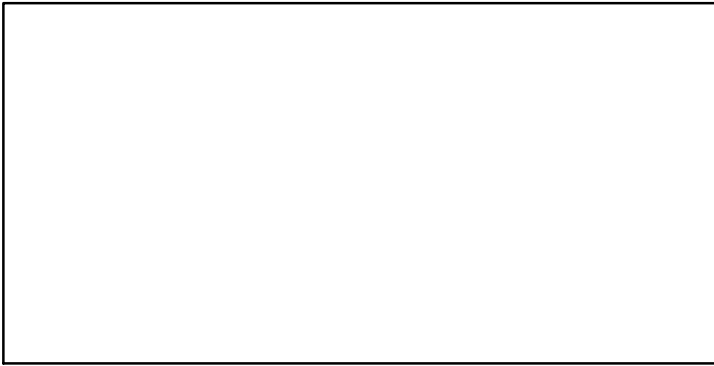
Production*



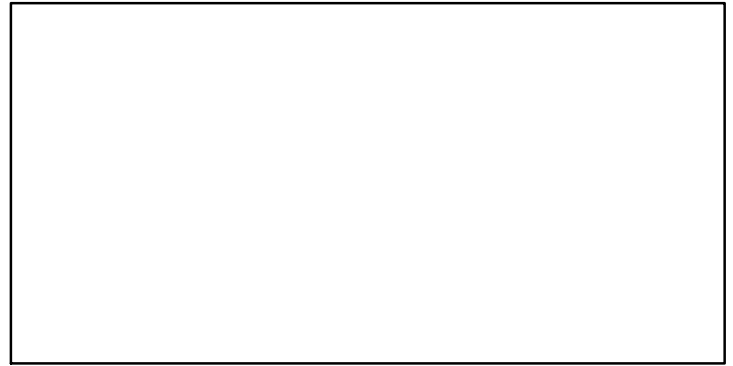
◆ Start Year ◆ End Year * No Data



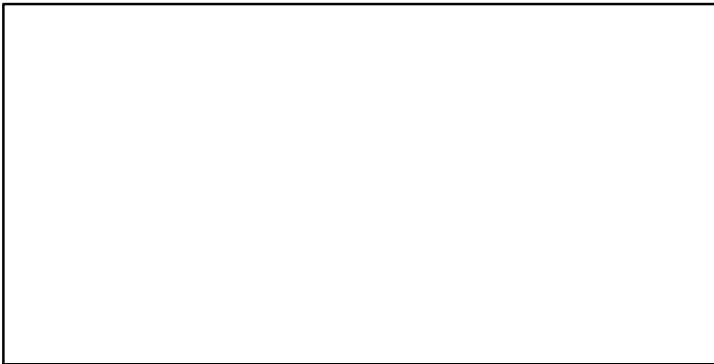
TC*, TL*, RecC*



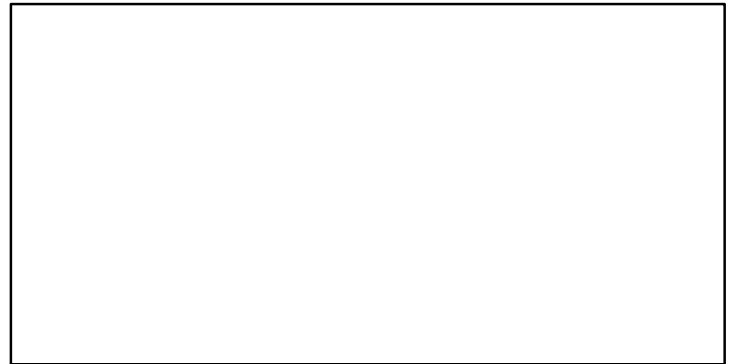
TAC*, Cpair*, Cadv*



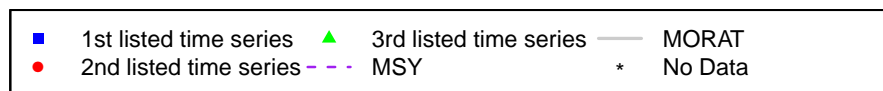
survB*



CPUE*



EFFORT*



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	1	-	-
ER	ER-calc-ratio	2011	0	-	-
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	1.22		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*

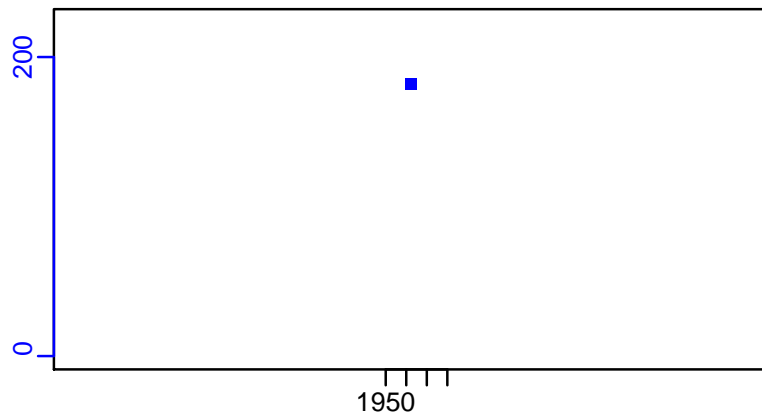
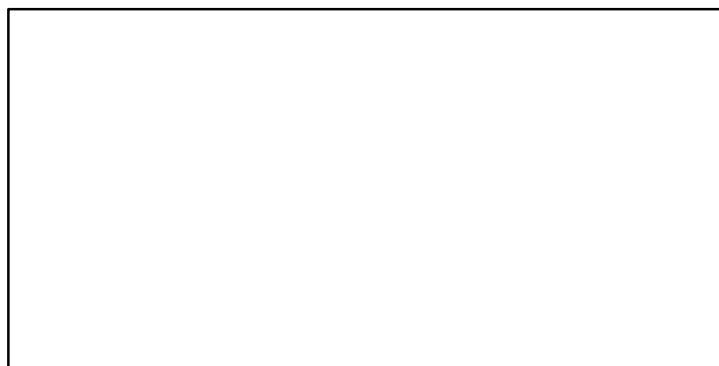


◆ Start Year ◆ End Year * No Data

Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

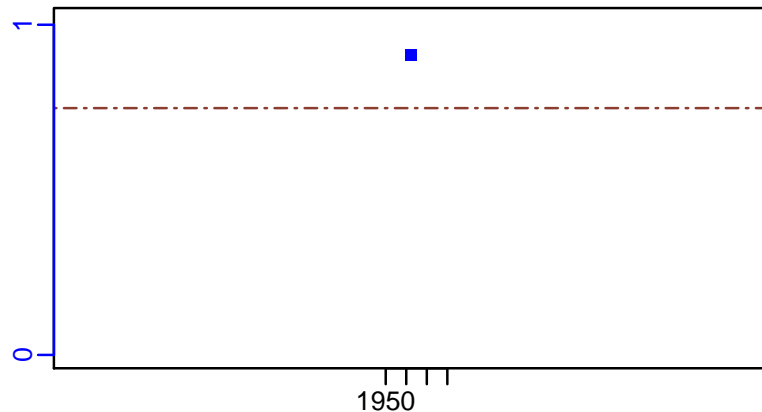
TB*

SSB-MT (2004–2011–OSIO)



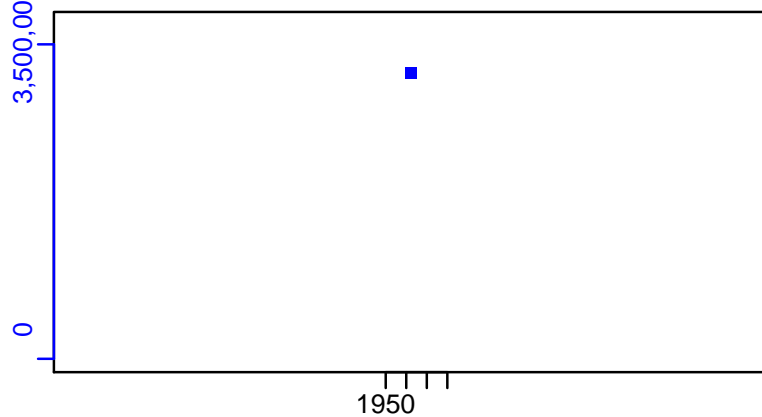
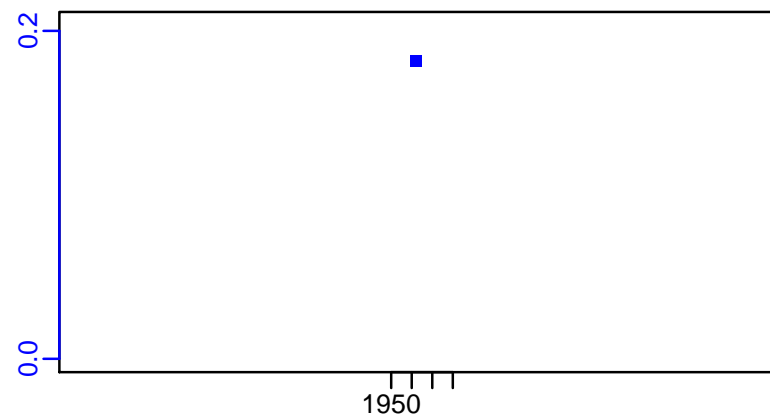
TN *

F-1/yr (2004–2011–OSIO)



ER-calc-ratio (2004–2011–OSIO)

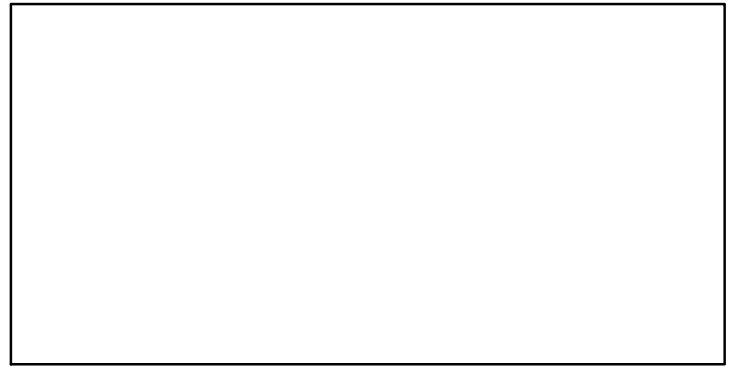
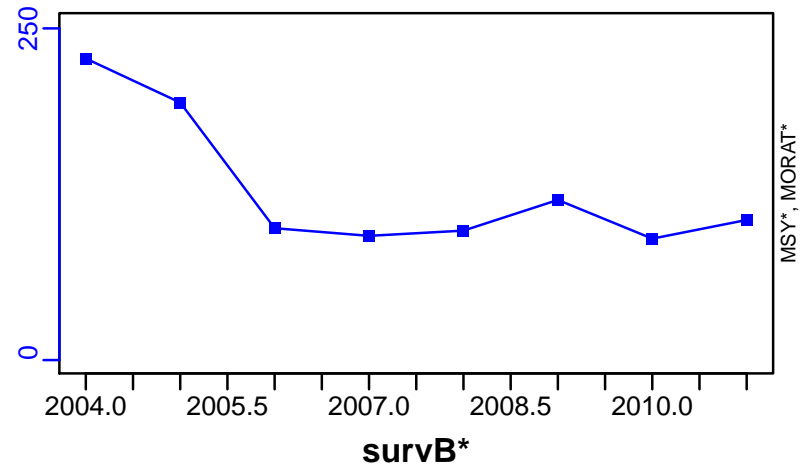
R-E00 (2004–2011–OSIO)



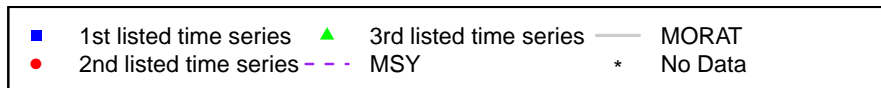
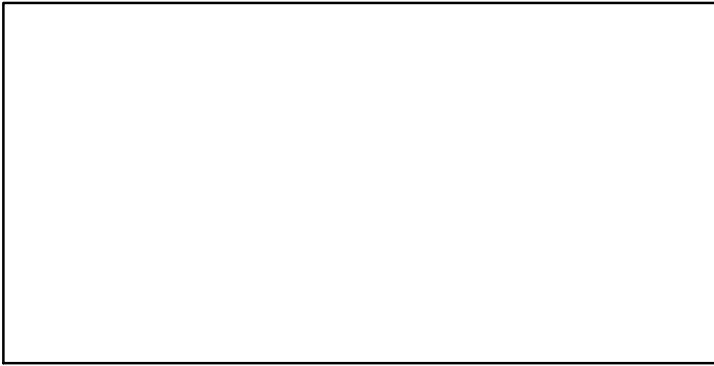
Poor cod Ligurian and North Tyrrhenian Sea [PRCODMEDGSA9]

TC-MT, TL*, RecC* (2004–2011–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Deep-water Rose Shrimp Northern Spain [PSHRMPMEDGSA6]

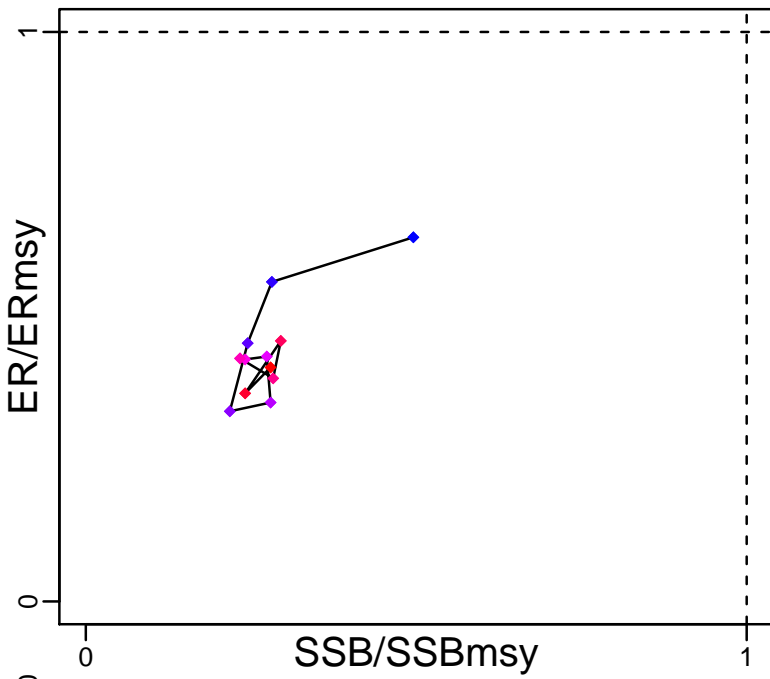
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-PSHRMPMEDGSA6-2001-2012-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2012	519
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.33
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	1044
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

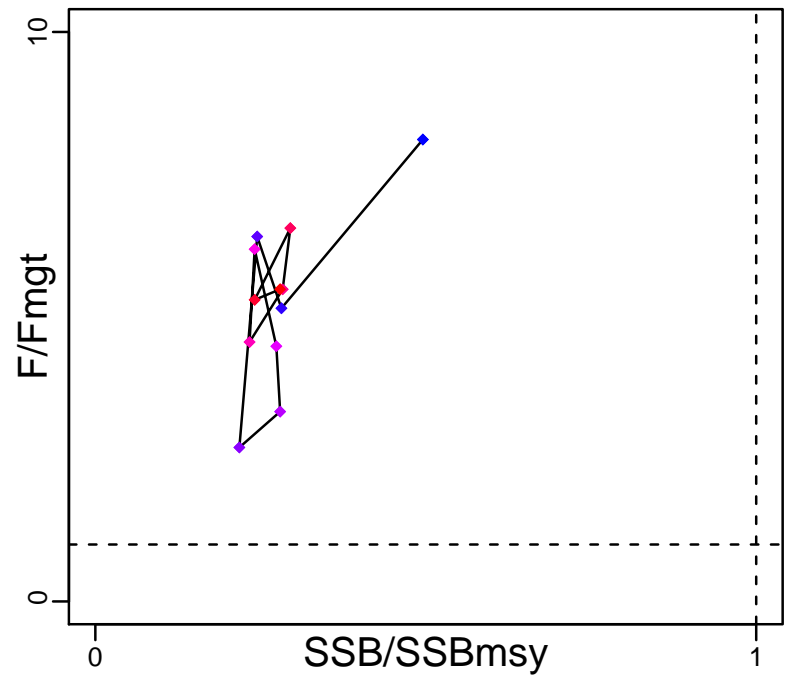
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	145	-	2+
TN	-	-	-	-	-
R	R-E00	2012	1.26×10^8	-	-
F	F-1/yr	2012	1	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	120		
TL	TL-MT	2011	92.2		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2012	0.28		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.41		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	5.48		
ER/ERmgt	-	-	-		

Deep-water Rose Shrimp Northern Spain [PSHRMPMEDGSA6]

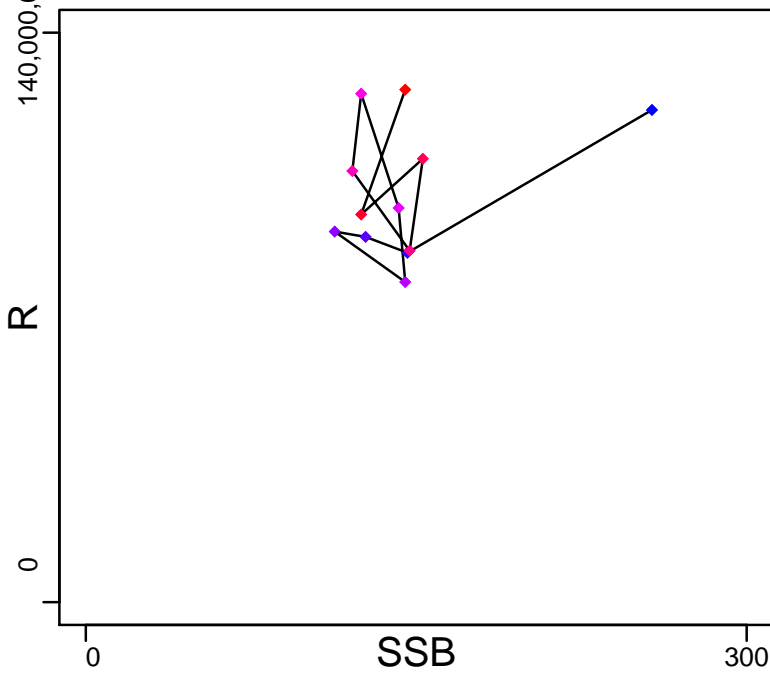
Kobe MSYpref (2001–2012–OSIO)



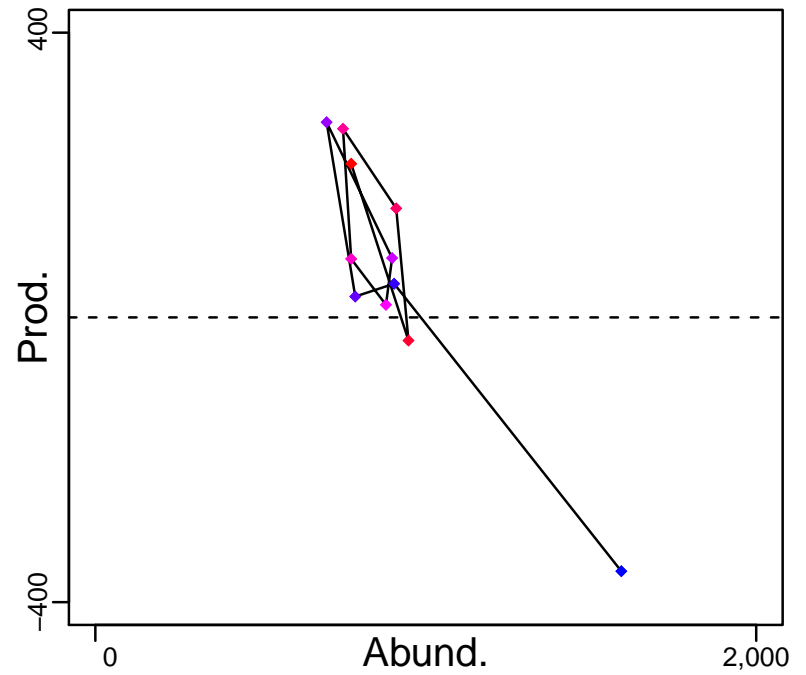
Kobe MGTpref (2001–2012–OSIO)



Spawner Recruit (2001–2012–OSIO)



Production (2001–2012–OSIO)



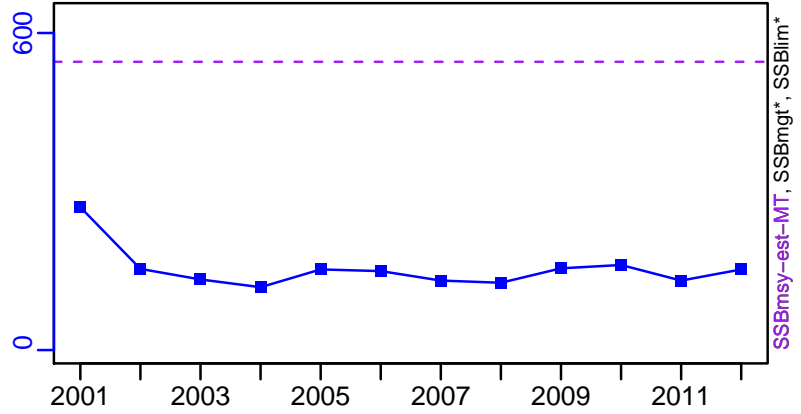
◆ Start Year ◆ End Year * No Data

Deep-water Rose Shrimp Northern Spain [PSHRMPMEDGSA6]

TB*



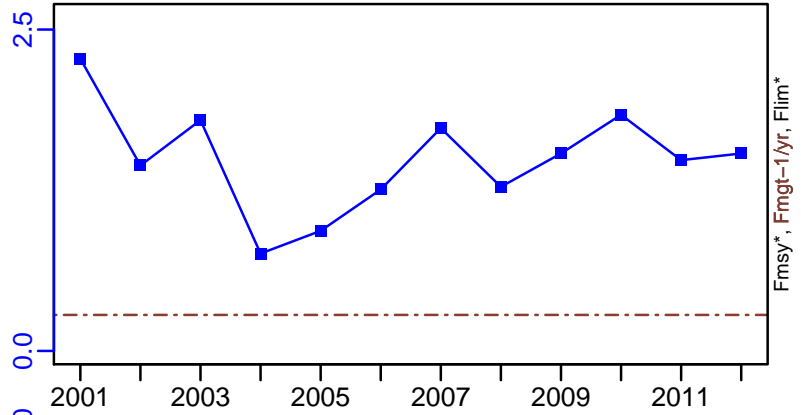
SSB-MT (2001-2012-OSIO)



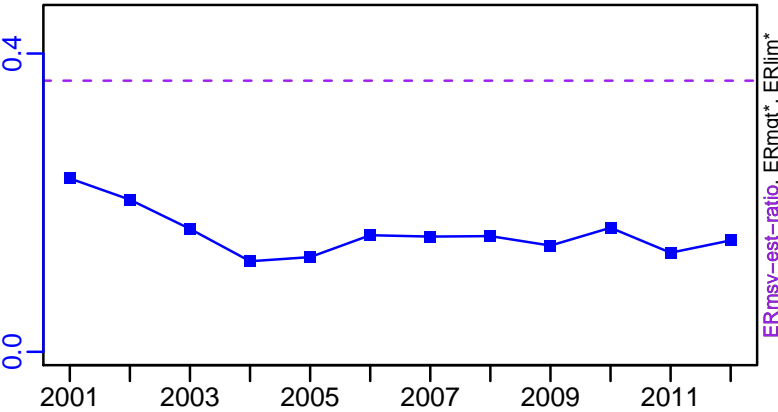
TN *



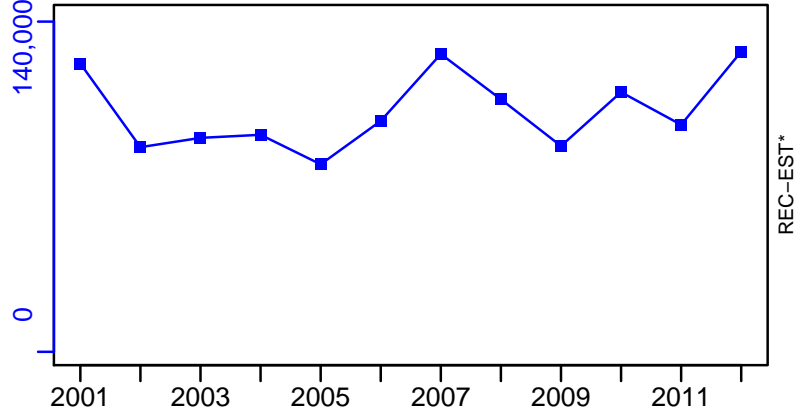
F-1/yr (2001-2012-OSIO)



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



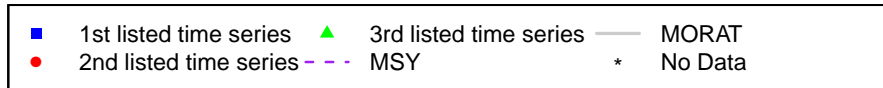
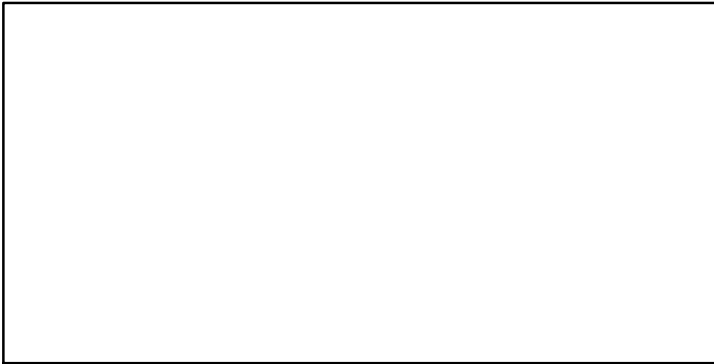
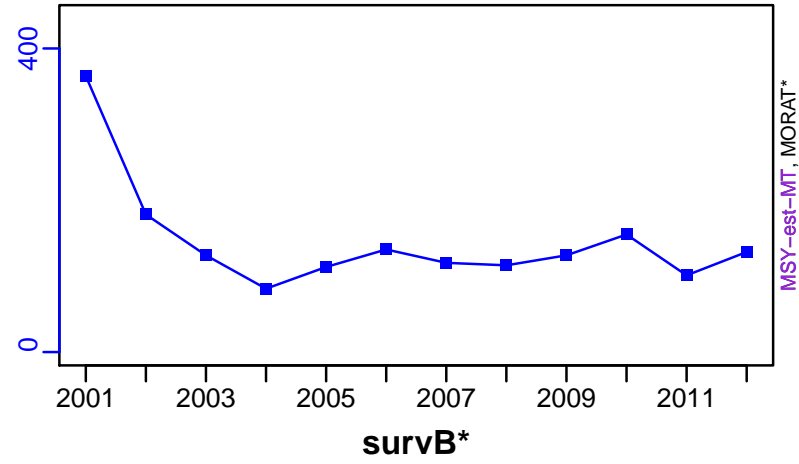
R-E00 (2001-2012-OSIO)



Deep-water Rose Shrimp Northern Spain [PSHRMPMEDGSA6]

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

TAC*, Cpair*, Cadv*



Red Seabream Alboran Sea [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	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
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*



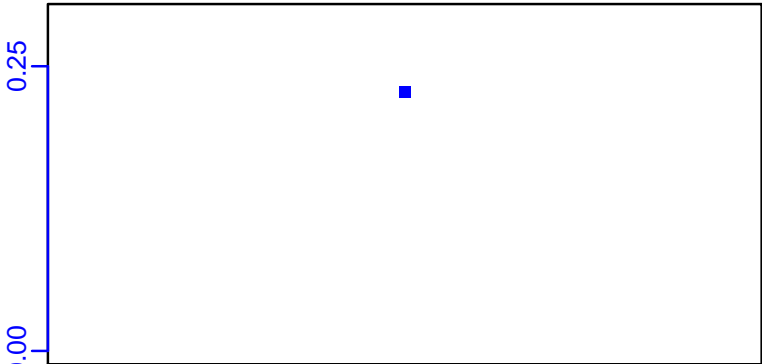
SSB*



TN *



F-1/yr (2009–2011–BANOB)



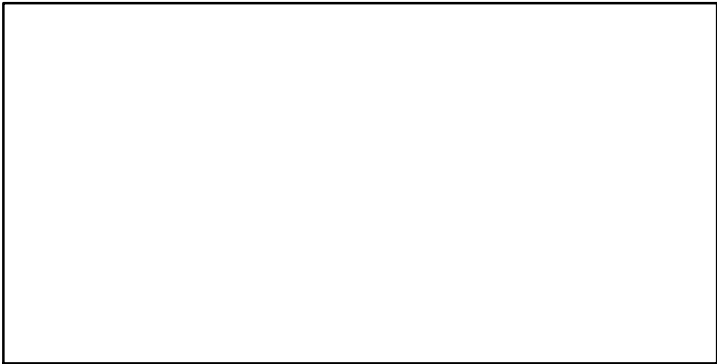
ER*



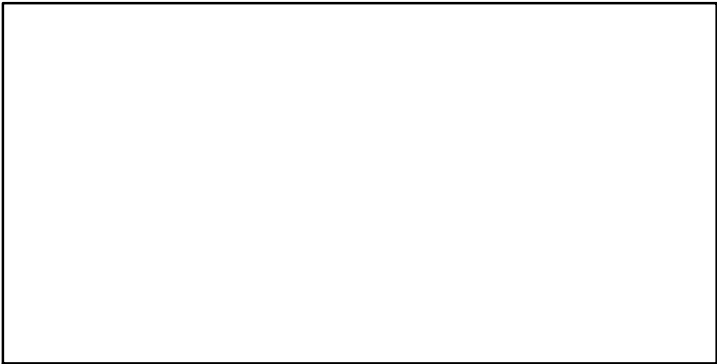
Recruits*



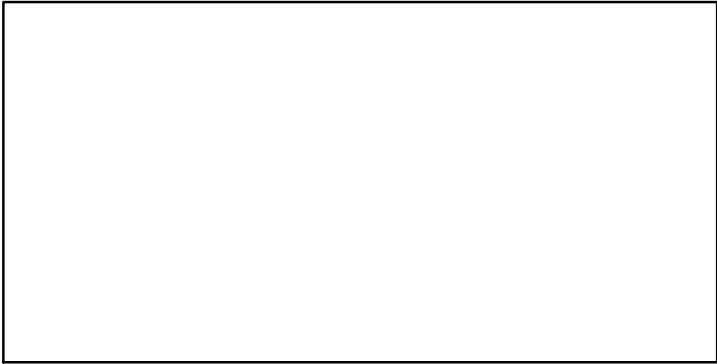
TC*, TL*, RecC*



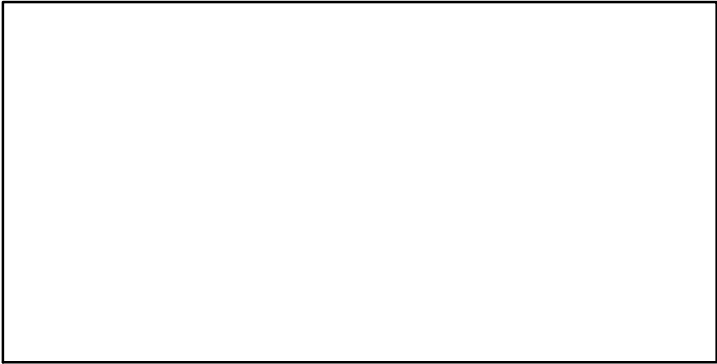
TAC*, Cpair*, Cadv*



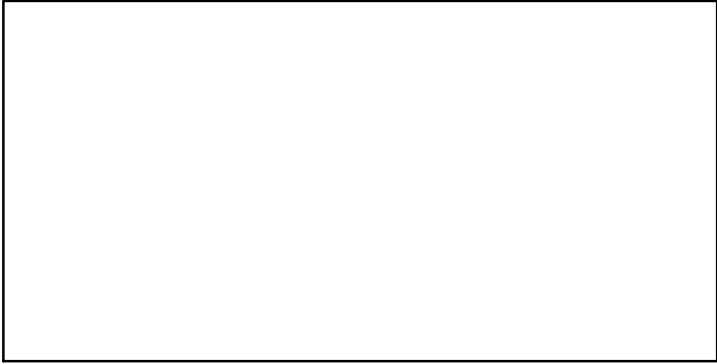
survB*



CPUE*



EFFORT*



■

1st listed time series

●

2nd listed time series

▲

3rd listed time series

- -

MSY

—

MORAT

*

No Data

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

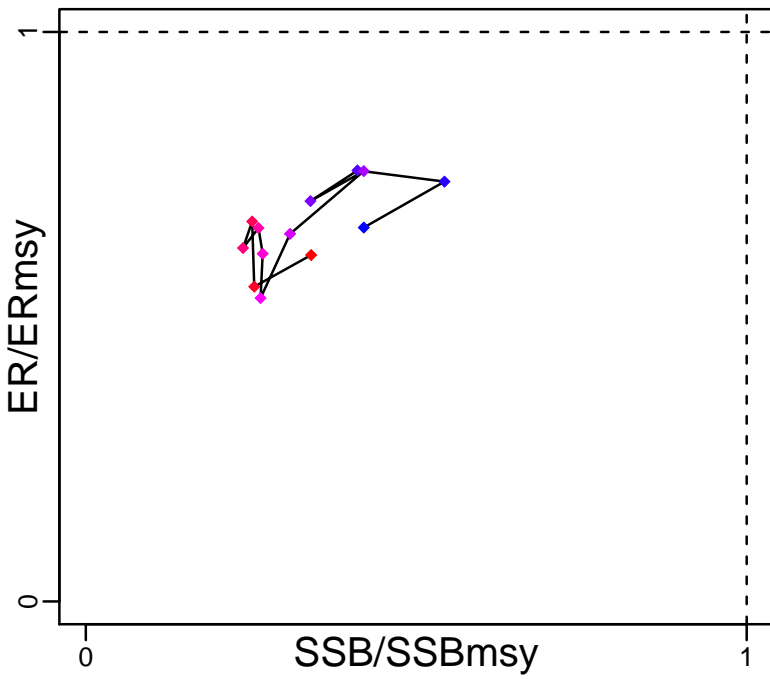
Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA1-2002-2014-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	942
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.23
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.41
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	887
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	1287
Flim	-	-	-
ERlim	-	-	-

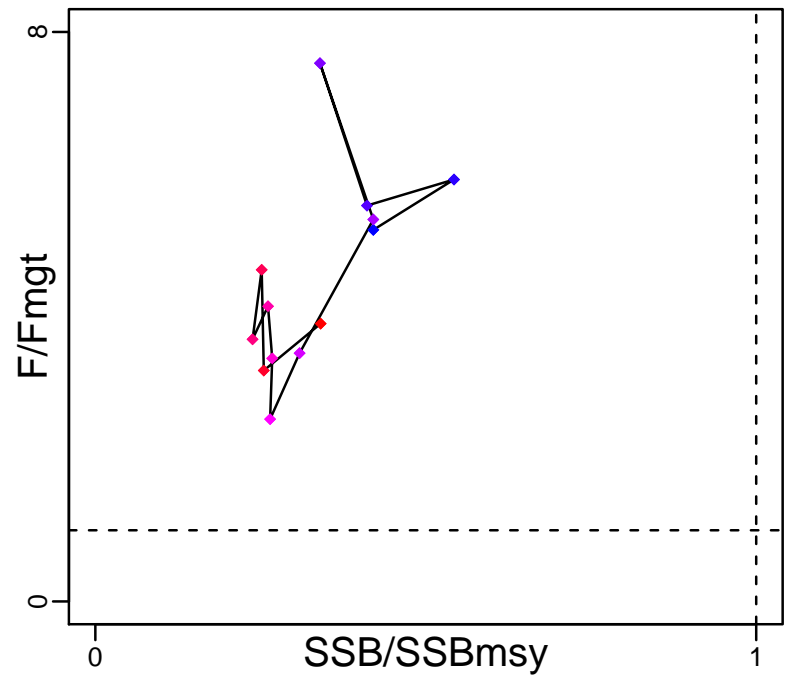
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	321	-	1+
TN	-	-	-	-	-
R	R-E00	2014	34,700,000	-	-
F	F-1/yr	2014	2	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	184		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.34		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.61		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	3.9		
ER/ERmgt	-	-	-		

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

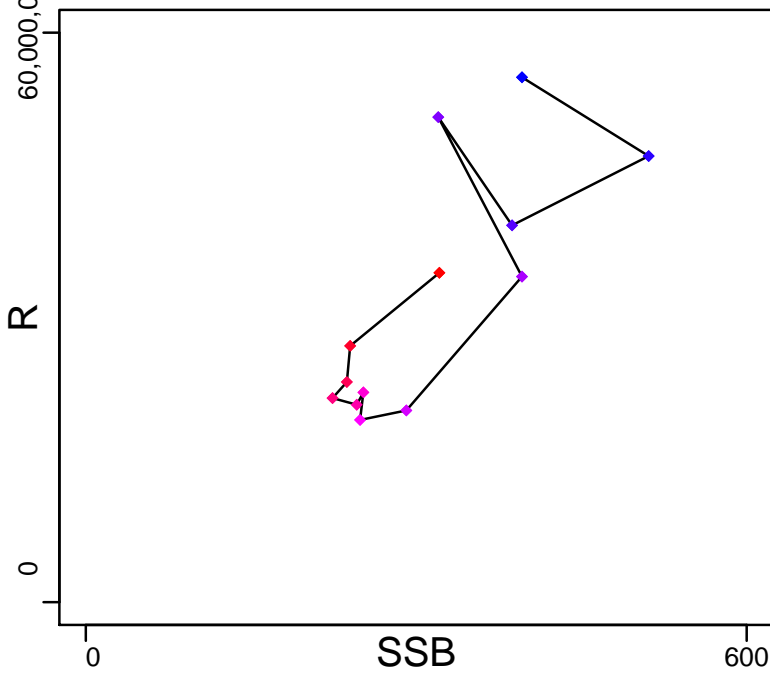
Kobe MSYpref (2002–2014–OSIO)



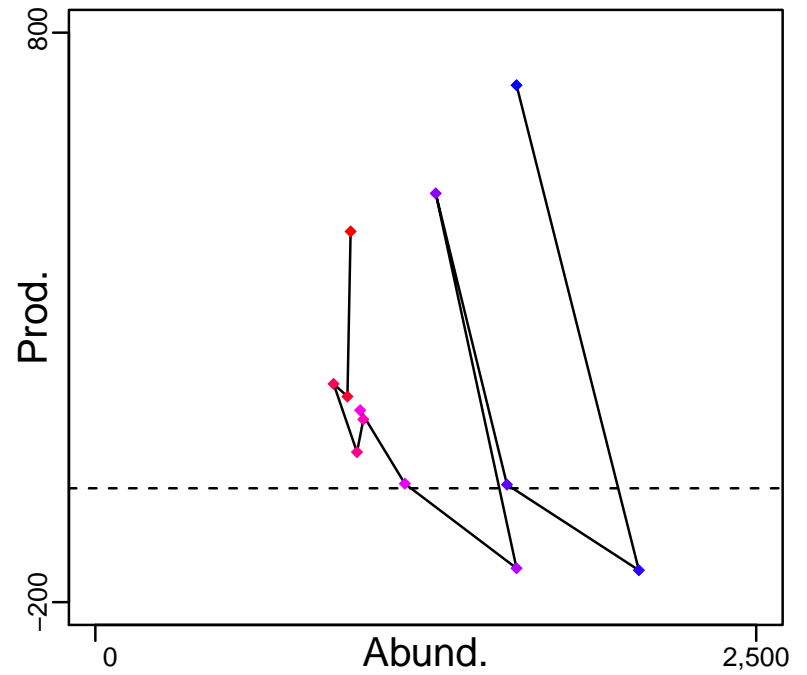
Kobe MGTpref (2002–2014–OSIO)



Spawner Recruit (2002–2014–OSIO)



Production (2002–2014–OSIO)



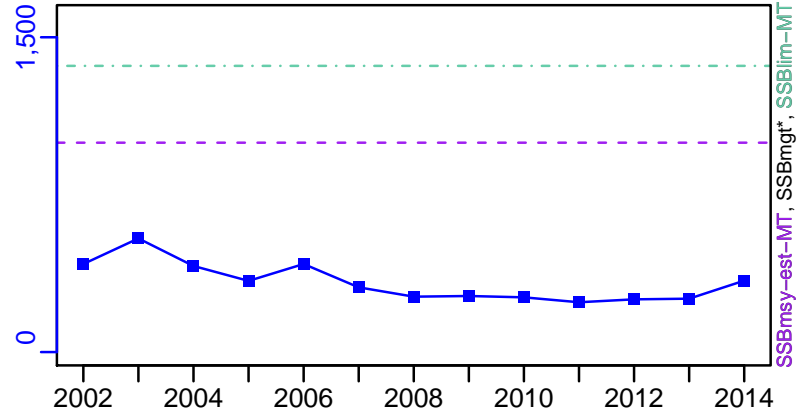
◆ Start Year ◆ End Year * No Data

Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

TB*



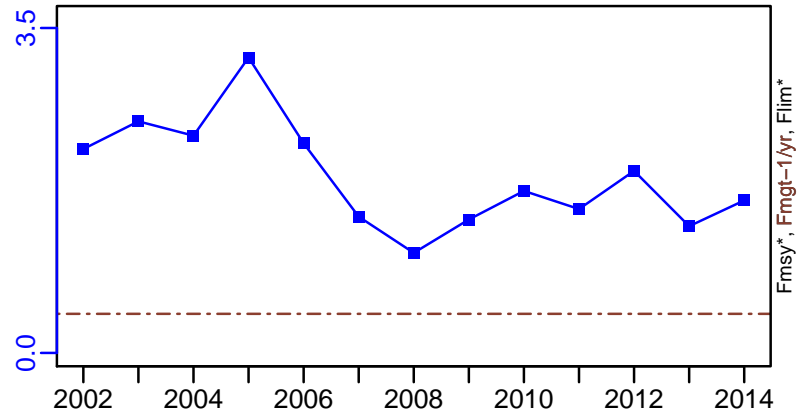
SSB-MT (2002–2014–OSIO)



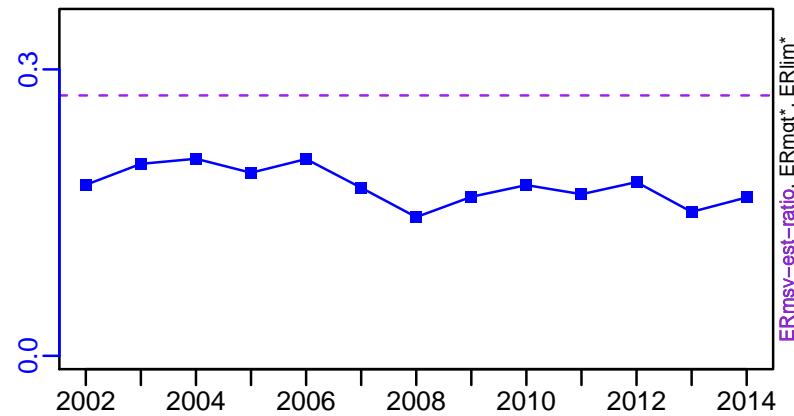
TN *



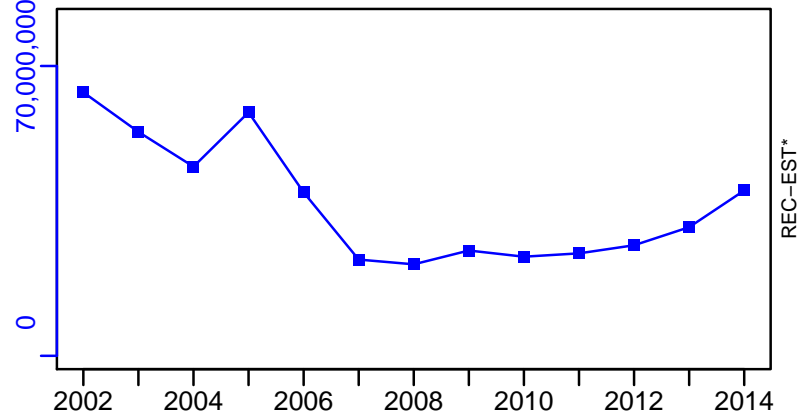
F-1/yr (2002–2014–OSIO)



ER-calc-ratio (2002–2014–OSIO)



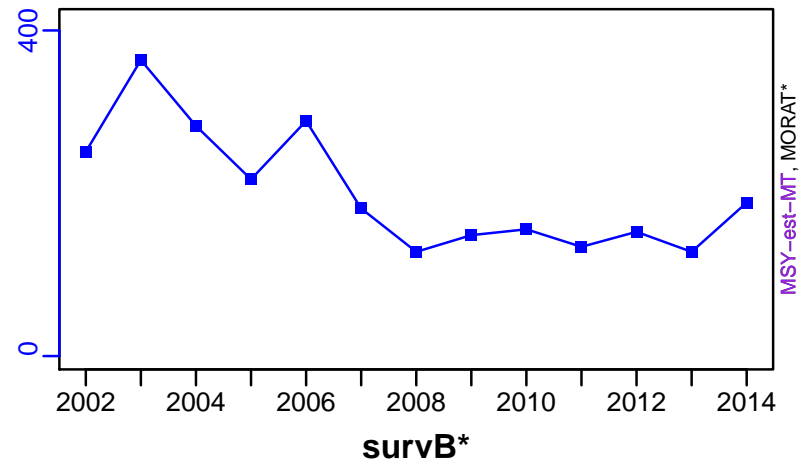
R-E00 (2002–2014–OSIO)



Red shrimp Northern Alboran Sea [RDSHRMPMEDGSA1]

TC-MT, TL*, RecC* (2002-2014-OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Red shrimp South Tyrrhenian Sea [RDSHRMPMEDGSA10]

Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA10-2006-2011-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	0.31
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	48.5		
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*



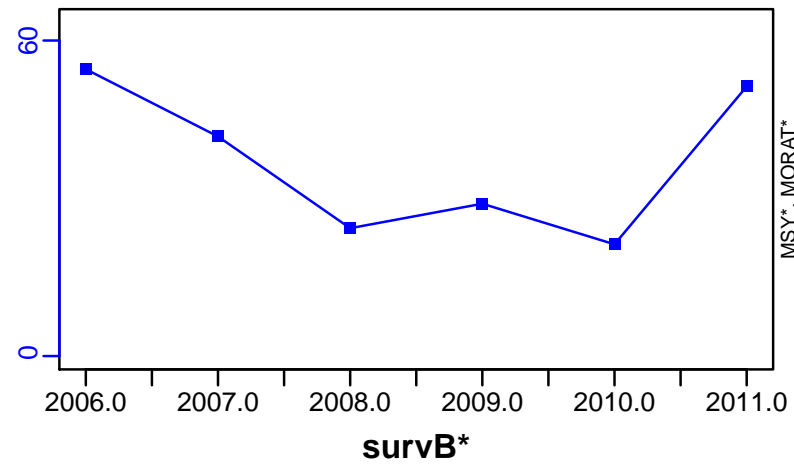
Recruits*



Red shrimp South Tyrrhenian Sea [RDSHRMPMEDGSA10]

TC-MT, TL*, RecC* (2006–2011–OSIO)

TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Red shrimp Malta Island and South of Sicily [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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*



Kobe MGT*



Spawner Recruit*



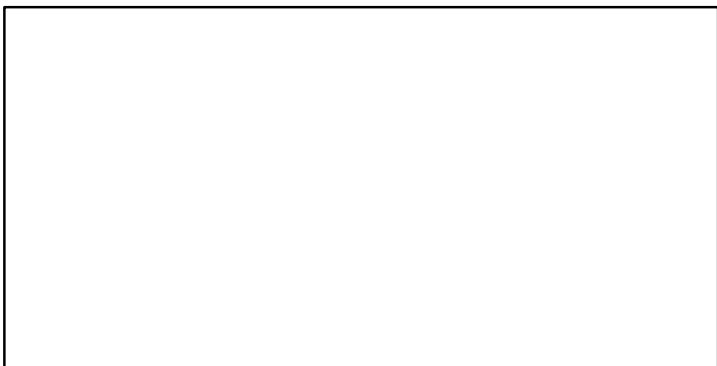
Production*



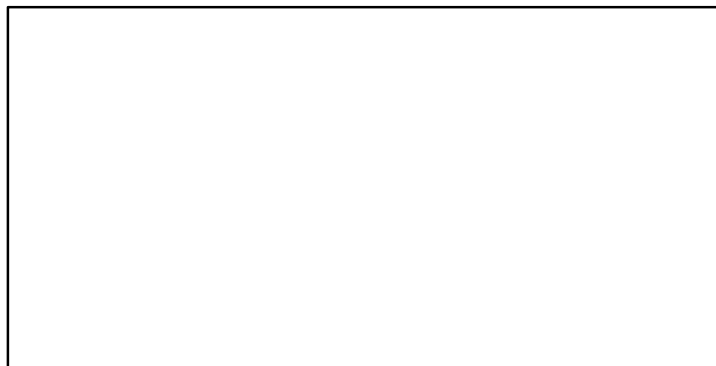
◆ Start Year ◆ End Year * No Data

Red shrimp Malta Island and South of Sicily [RDSHRMPMEDGSA15–16]

TB*



SSB*



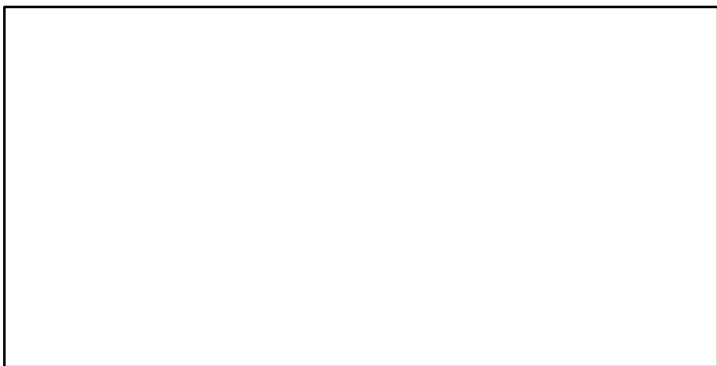
TN *



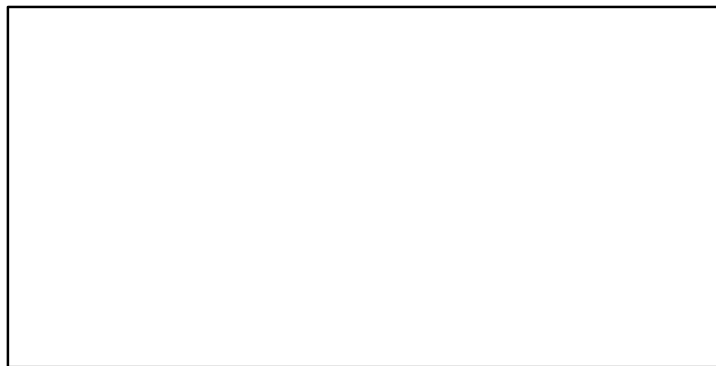
F*



ER*



Recruits*



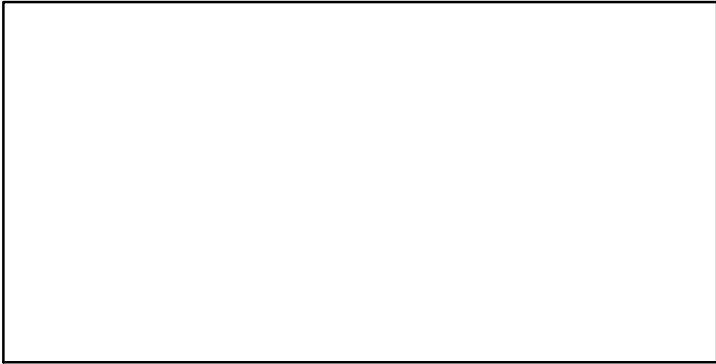
TC*, TL*, RecC*



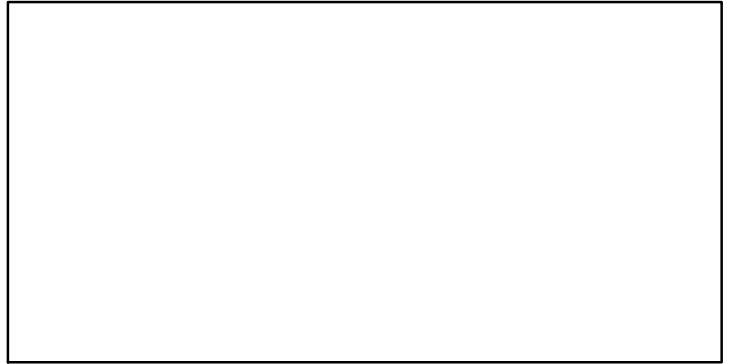
TAC*, Cpair*, Cadv*



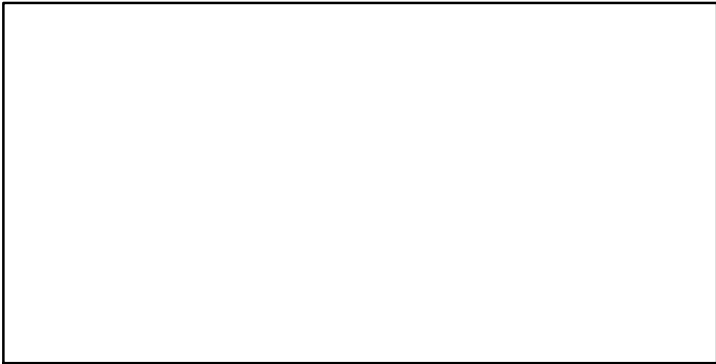
survB*



CPUE*



EFFORT*



Red Shrimp Northern Spain [RDSHRMPMEDGSA6]

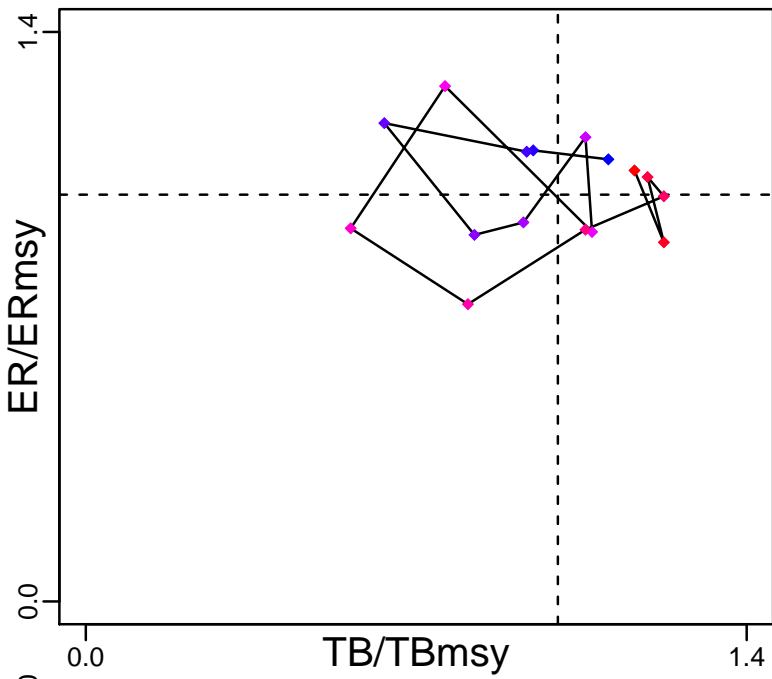
Metadata	
Scientific Name	Aristeus antennatus
Current Assess ID	STECF-RDSHRMPMEDGSA6-2002-2014-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2011	1445
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2011	0.41
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.36
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2011	598
M	M-1/yr	2011	0.46
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	224
Flim	-	-	-
ERlim	-	-	-

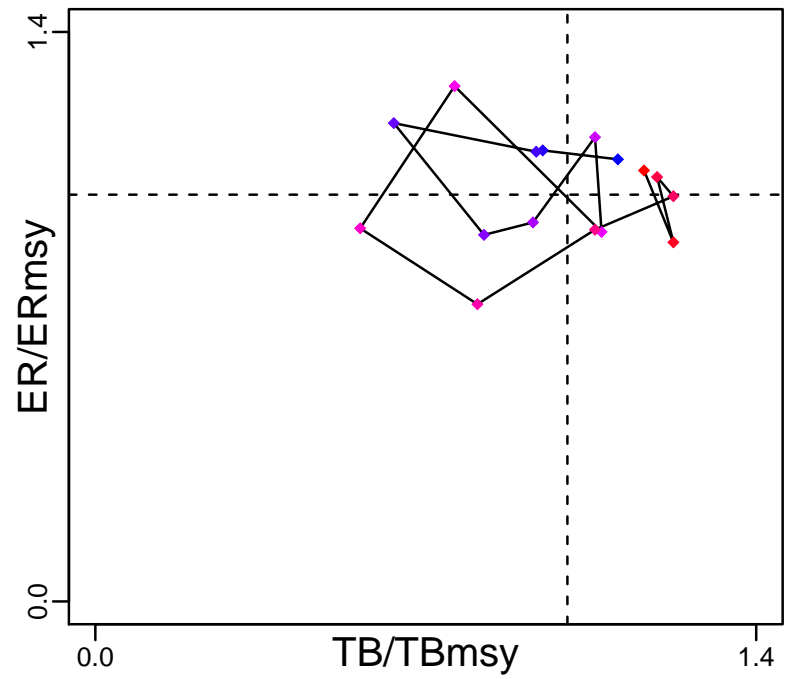
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	1680	-	-
SSB	SSB-MT	2014	4050	-	1+
TN	-	-	-	-	-
R	R-E00	2014	5.98×10^8	-	-
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	546		
TL	TL-MT	2011	737		
TB/TBmsy	TB-MT/TBmsy-est-MT	2011	1.16		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2011	1.06		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.23		
ER/ERmgt	-	-	-		

Red Shrimp Northern Spain [RDSHRMPMEDGSA6]

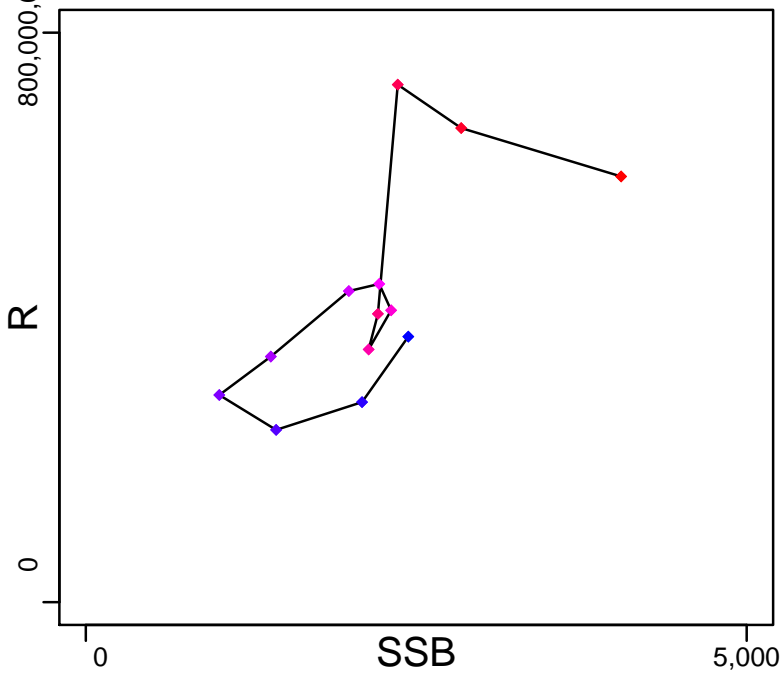
Kobe MSYpref (1996–2011–BANOB1)



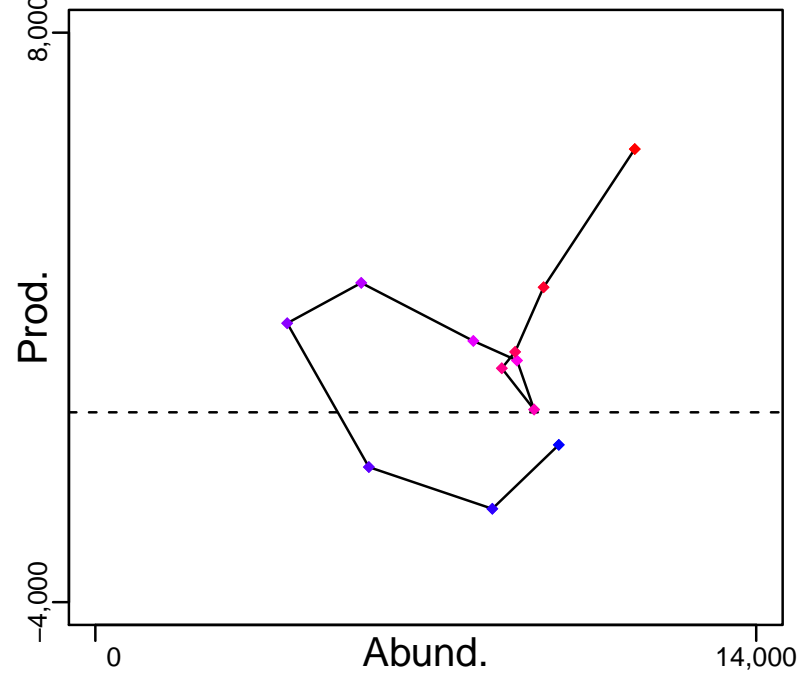
Kobe MGTpref (1996–2011–BANOB1)



Spawner Recruit (2002–2014–OSIO)



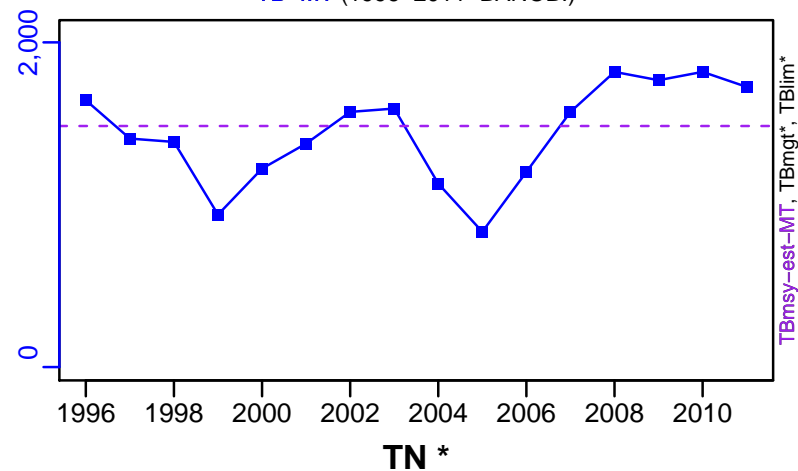
Production (2002–2014–OSIO)



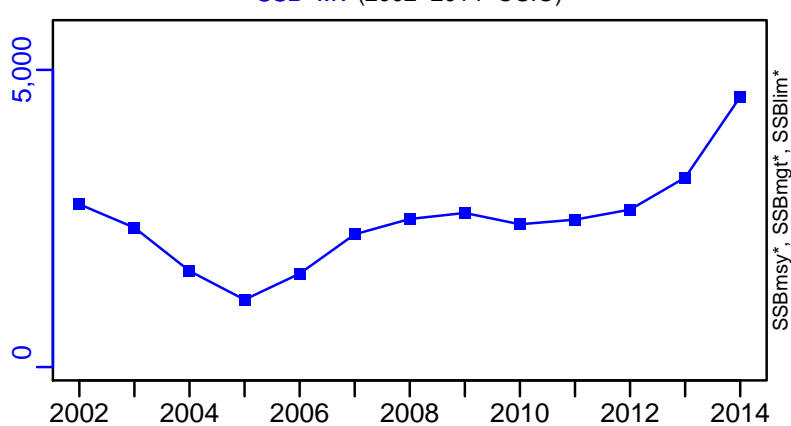
◆ Start Year ◆ End Year * No Data

Red Shrimp Northern Spain [RDSHRMPMEDGSA6]

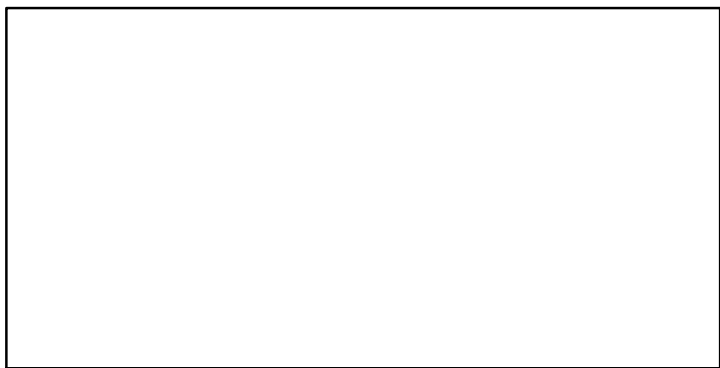
TB-MT (1996–2011–BANOB)



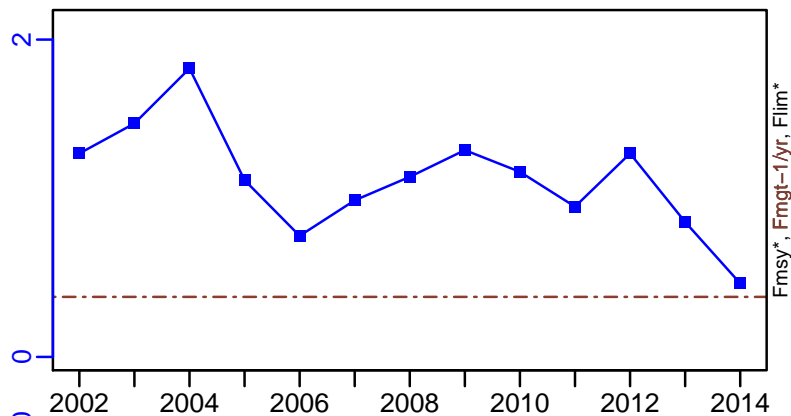
SSB-MT (2002–2014–OSIO)



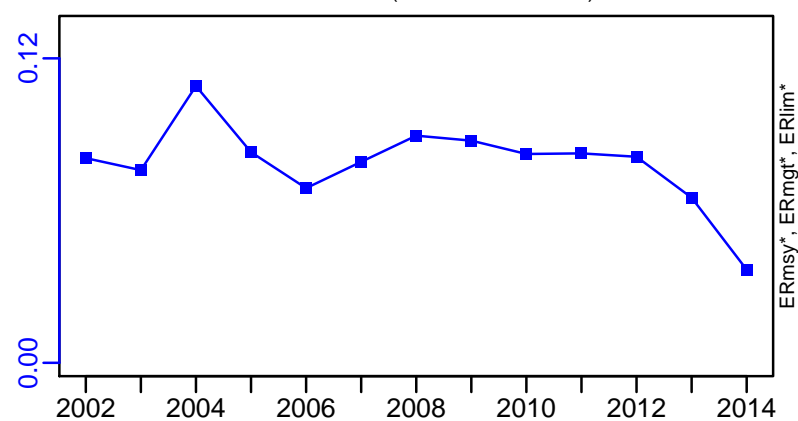
TN *



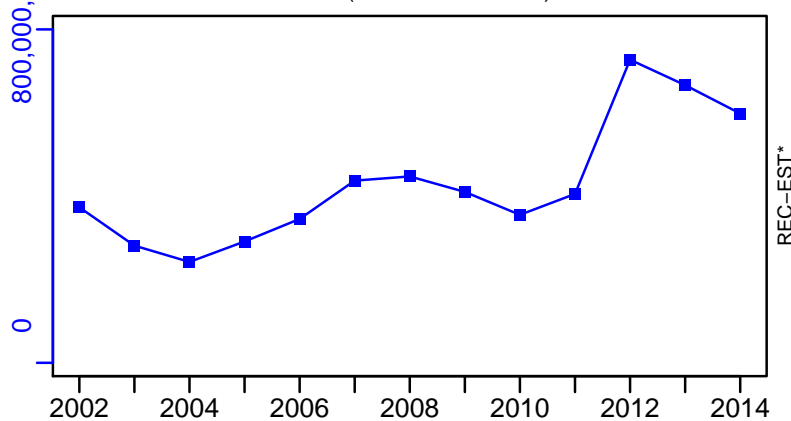
F-1/yr (2002–2014–OSIO)



ER-calc-ratio (2002–2014–OSIO)

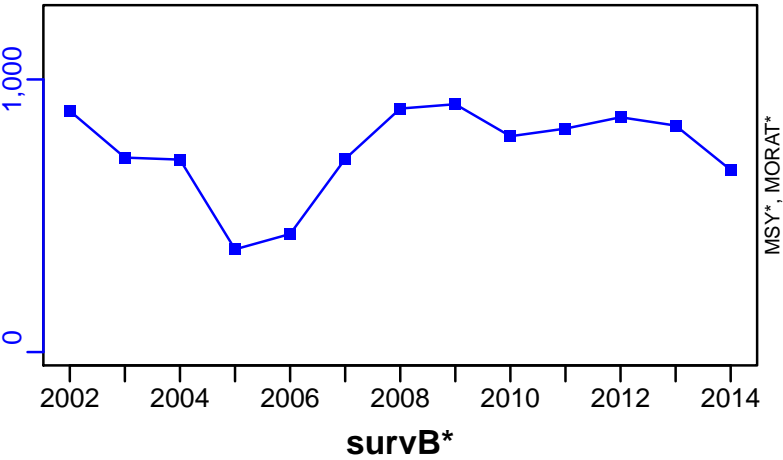


R-E00 (2002–2014–OSIO)



Red Shrimp Northern Spain [RDSHRMPMEDGSA6]

TC-MT, TL*, RecC* (2002-2014-OSIO)



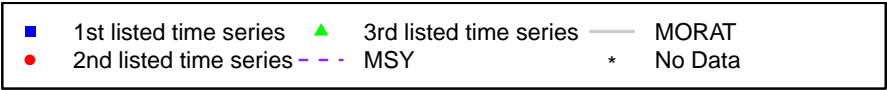
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red mullet Northern Alboran Sea [RMULLMEDGSA1]

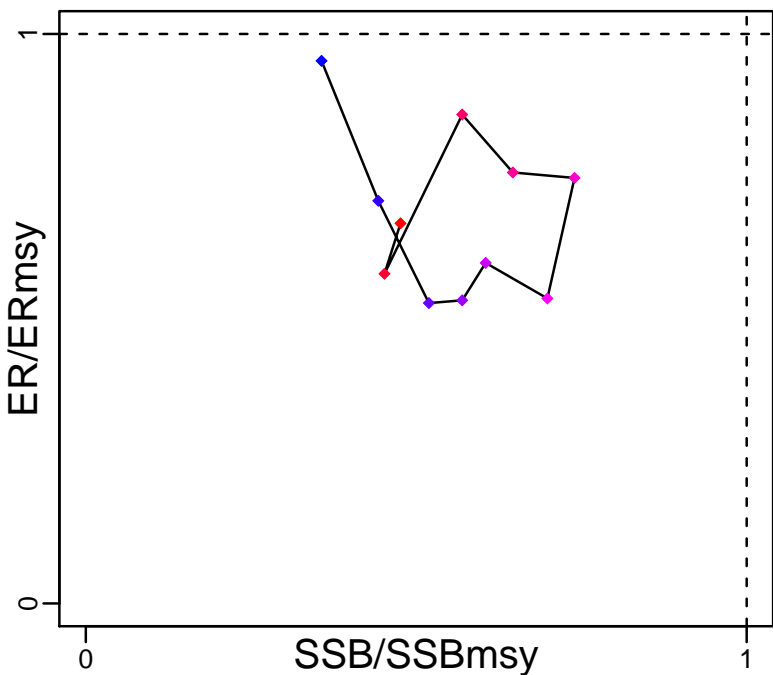
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA1-2003-2013-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	535
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.35
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	409
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

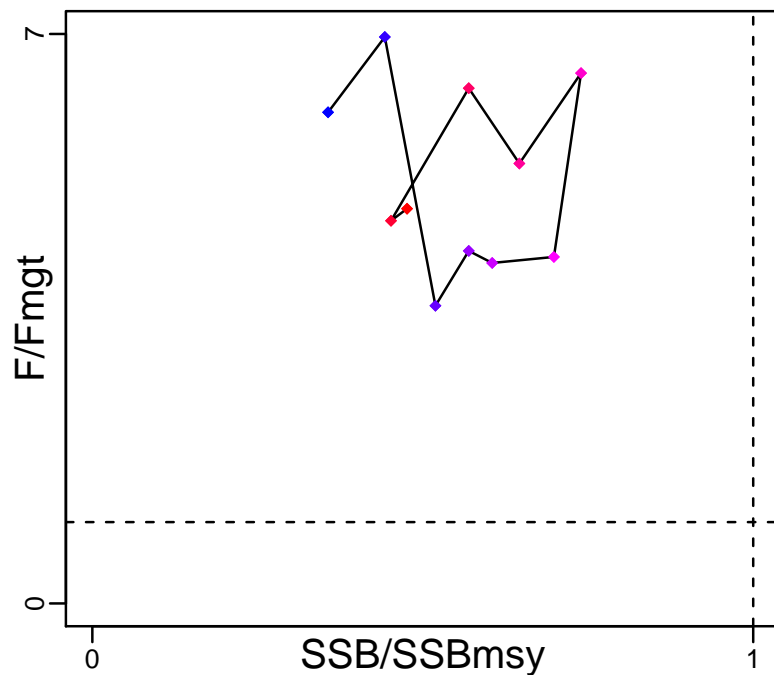
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	255	-	1+
TN	-	-	-	-	-
R	R-E00	2013	13,400,000	-	-
F	F-1/yr	2013	1	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	130		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.48		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.67		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	4.85		
ER/ERmgt	-	-	-		

Red mullet Northern Alboran Sea [RMULLMEDGSA1]

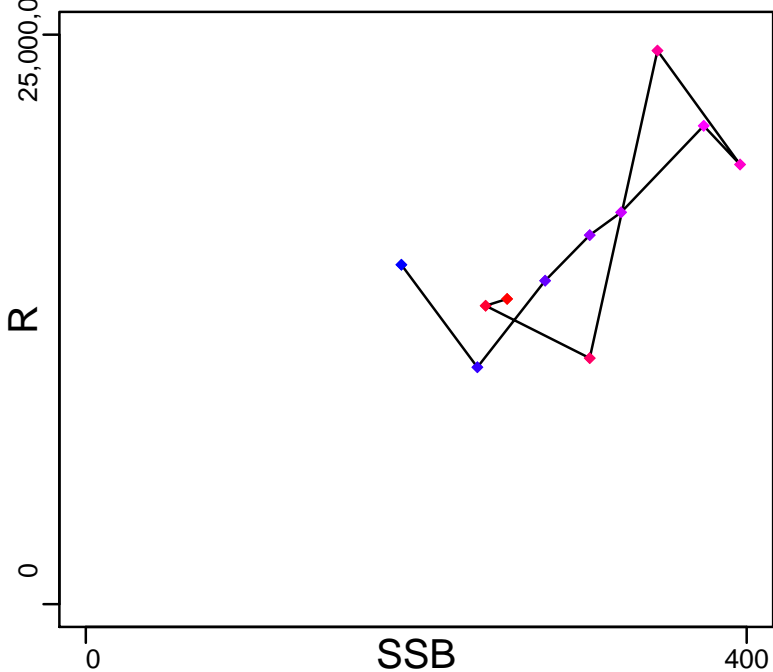
Kobe MSYpref (2003–2013–OSIO)



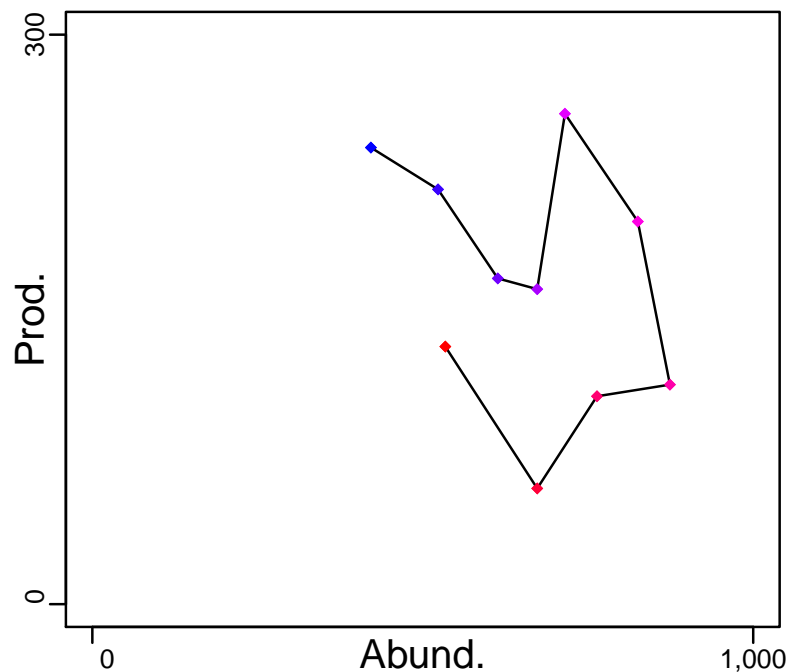
Kobe MGTpref (2003–2013–OSIO)



Spawner Recruit (2003–2013–OSIO)



Production (2003–2013–OSIO)



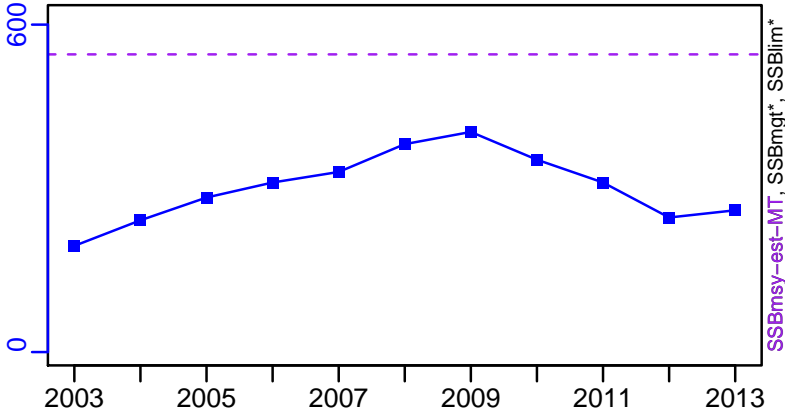
◆ Start Year ◆ End Year * No Data

Red mullet Northern Alboran Sea [RMULLMEDGSA1]

TB*



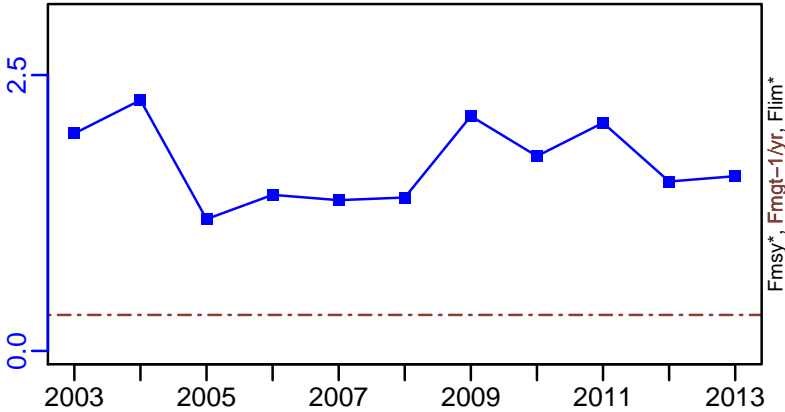
SSB-MT (2003–2013–OSIO)



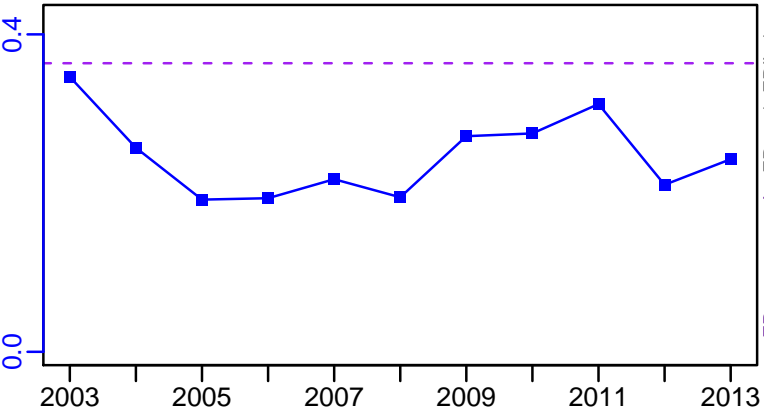
TN *



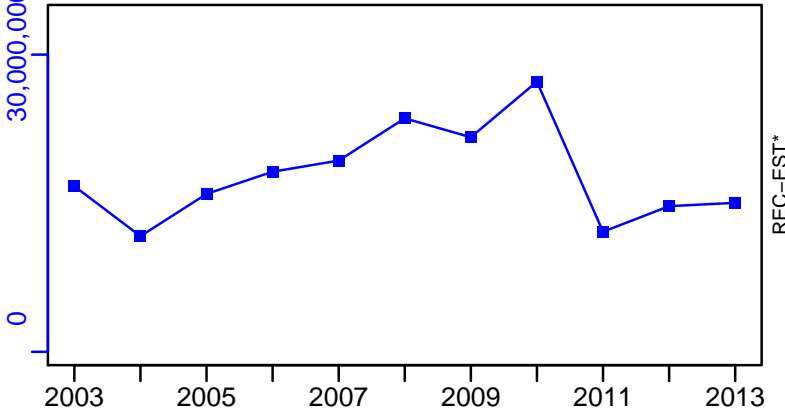
F-1/yr (2003–2013–OSIO)



ER-calc-ratio (2003–2013–OSIO)

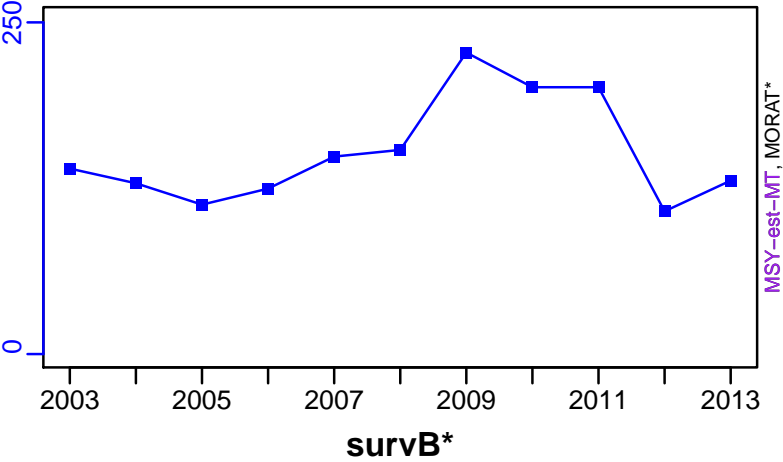


R-E00 (2003–2013–OSIO)



Red mullet Northern Alboran Sea [RMULLMEDGSA1]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA10-2004-2010-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	2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	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	2010	1	-	-
ER	-	-	-	-	-
TC	TC-MT	2010	84		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	2.46		
ER/ERmgt	-	-	-		

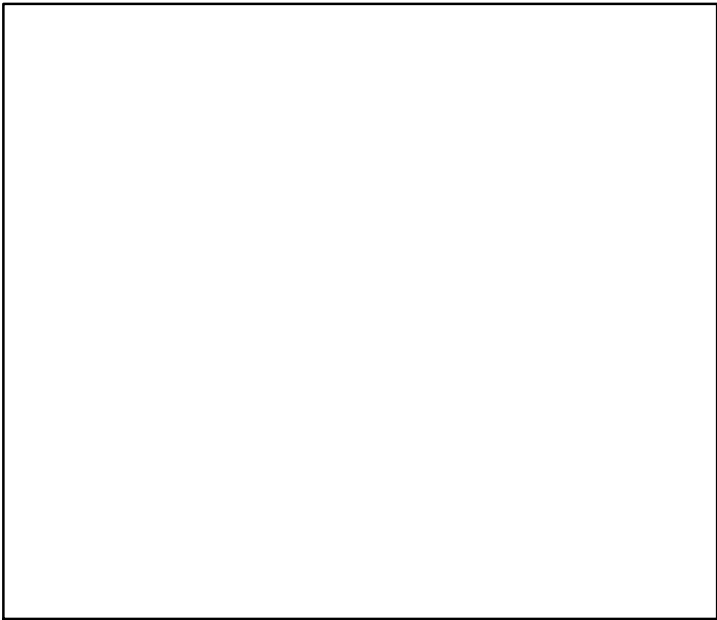
Kobe MSY*



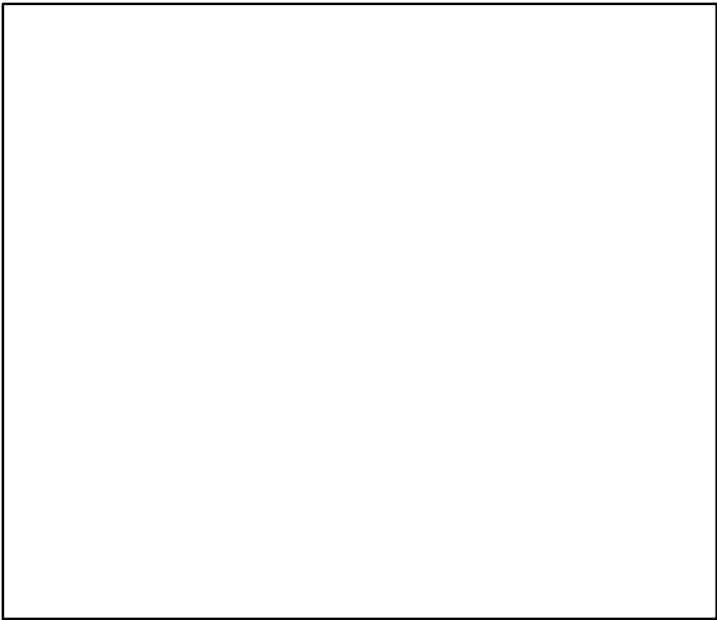
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

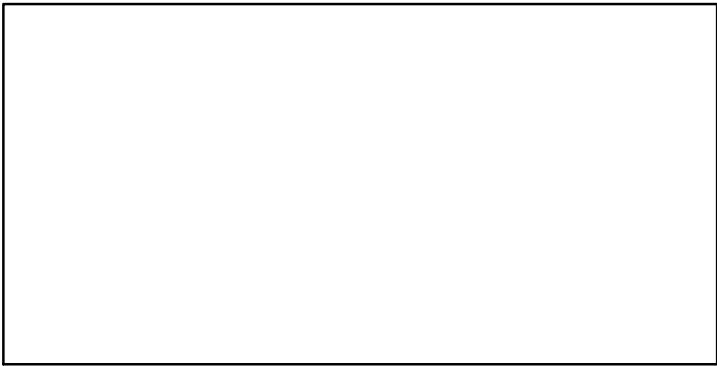
TB*



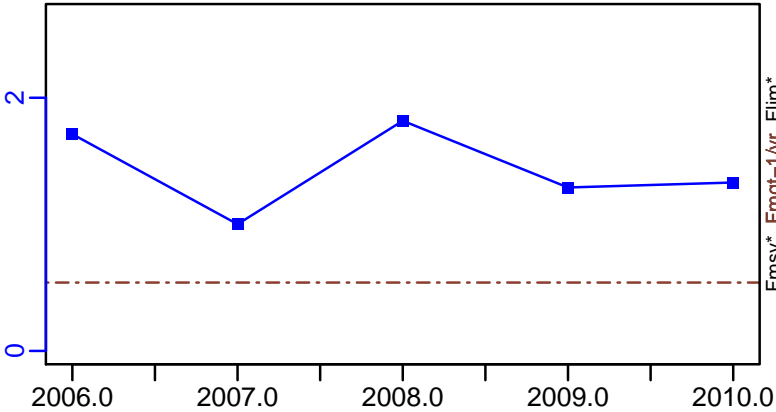
SSB*



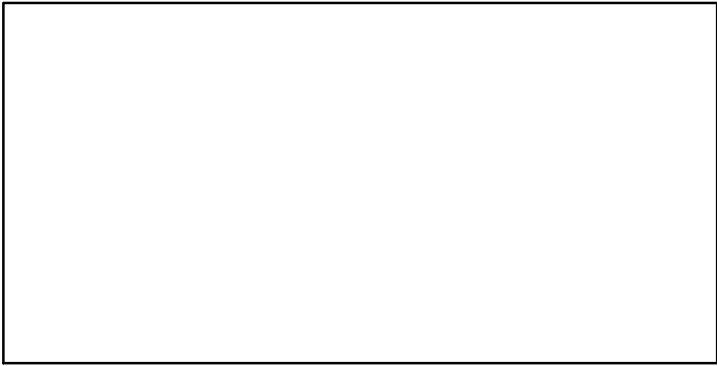
TN *



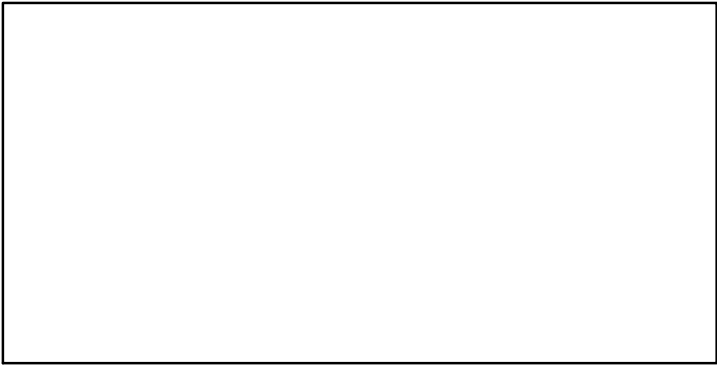
F-1/yr (2004-2010-OSIO)



ER*

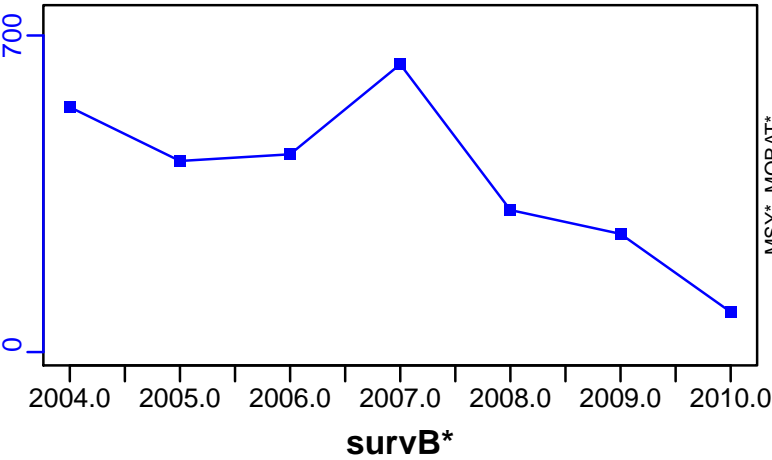


Recruits*



Red mullet South Tyrrhenian Sea [RMULLMEDGSA10]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red mullet Sardinia [RMULLMEDGSA11]

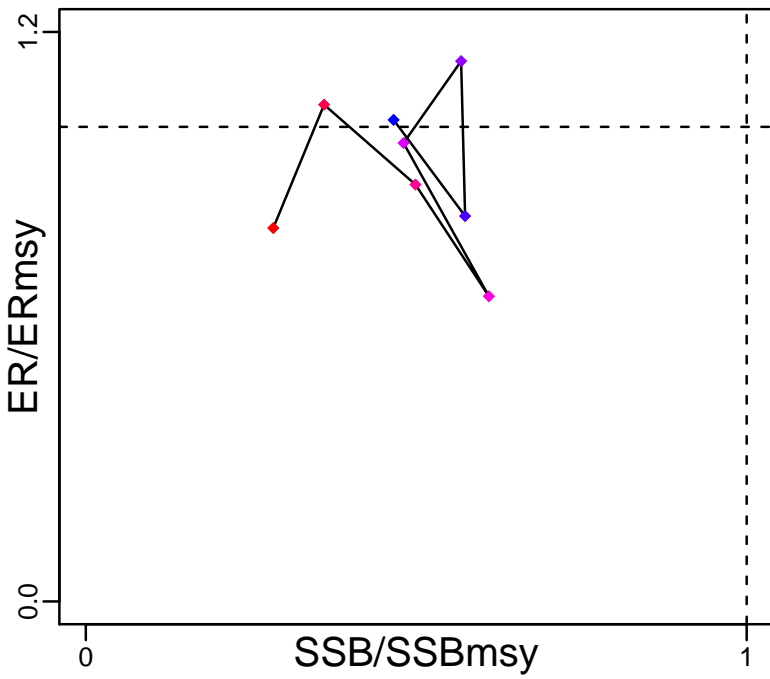
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA11-2005-2012-OSIO
Area	Sardinia
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2012	333
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.83
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	609
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

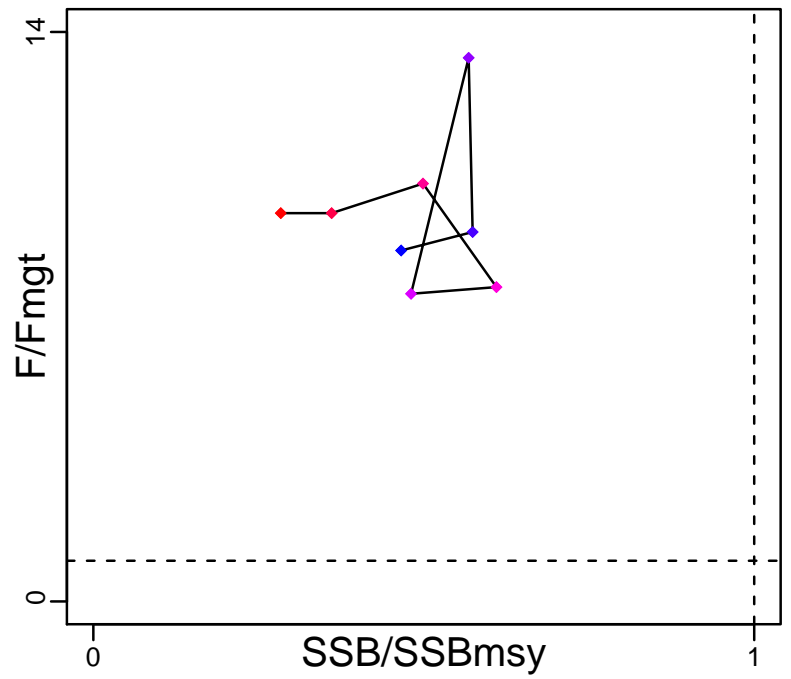
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	94	-	1+
TN	-	-	-	-	-
R	R-E00	2012	26,600,000	-	-
F	F-1/yr	2012	1	-	-
ER	ER-calc-ratio	2012	1	-	-
TC	TC-MT	2012	136		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2012	0.28		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.79		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	9.55		
ER/ERmgt	-	-	-		

Red mullet Sardinia [RMULLMEDGSA11]

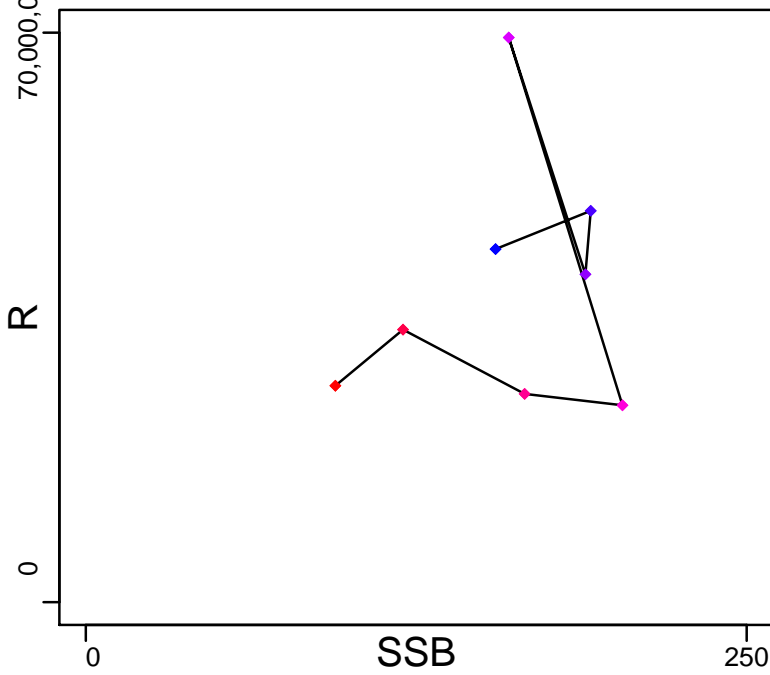
Kobe MSYpref (2005–2012–OSIO)



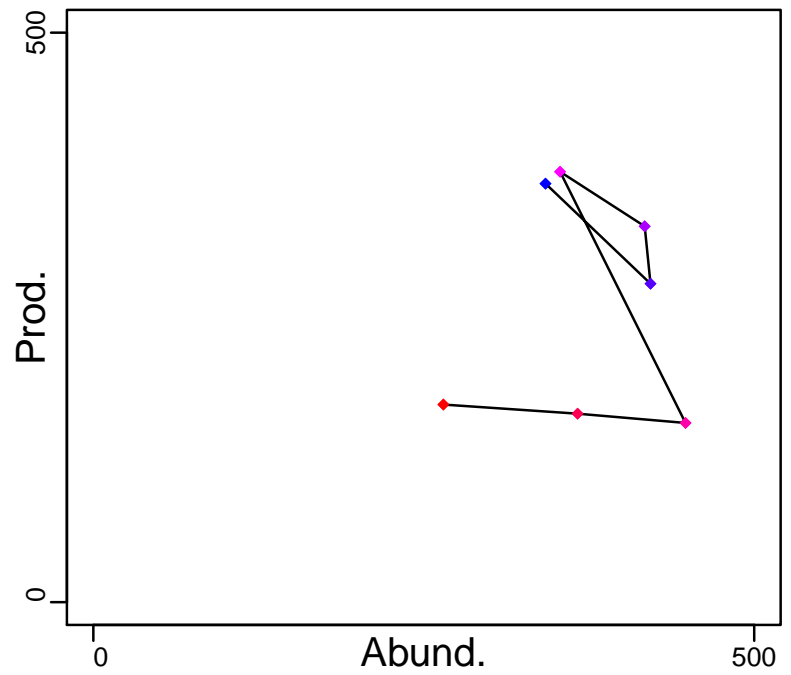
Kobe MGTpref (2005–2012–OSIO)



Spawner Recruit (2005–2012–OSIO)



Production (2005–2012–OSIO)



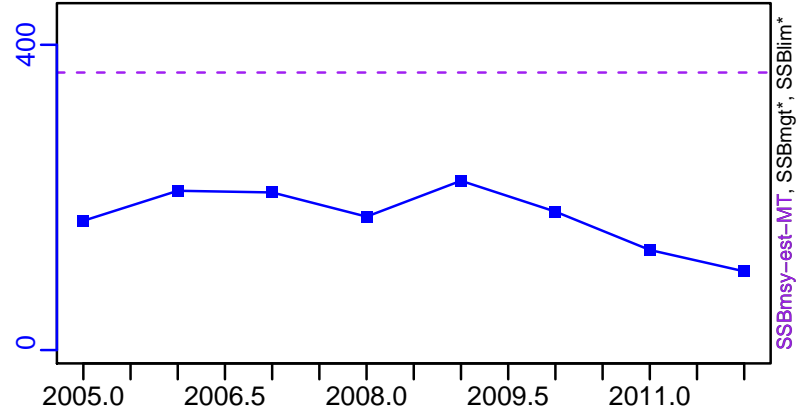
◆ Start Year ◆ End Year * No Data

Red mullet Sardinia [RMULLMEDGSA11]

TB*



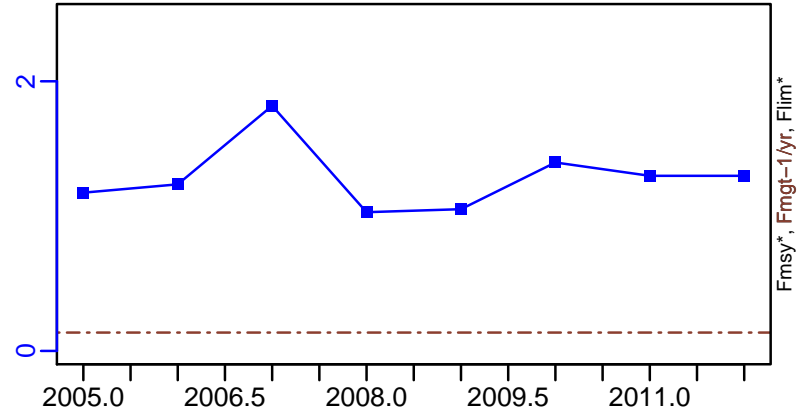
SSB-MT (2005–2012–OSIO)



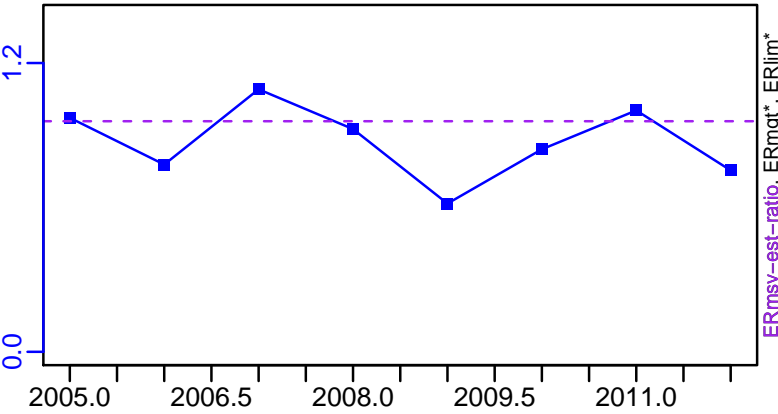
TN *



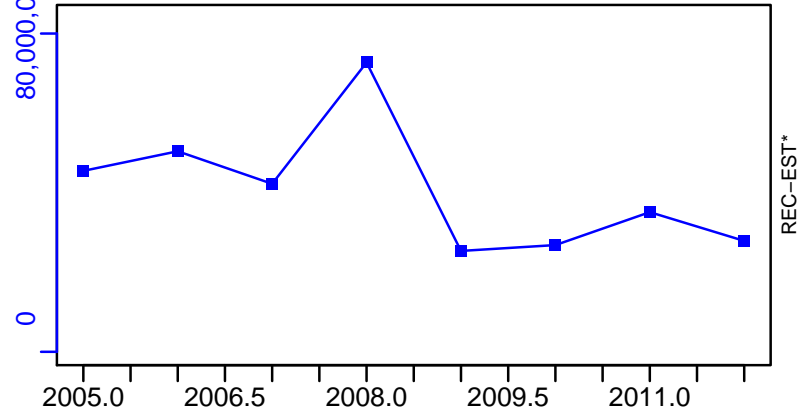
F-1/yr (2005–2012–OSIO)



ER-calc-ratio (2005–2012–OSIO)



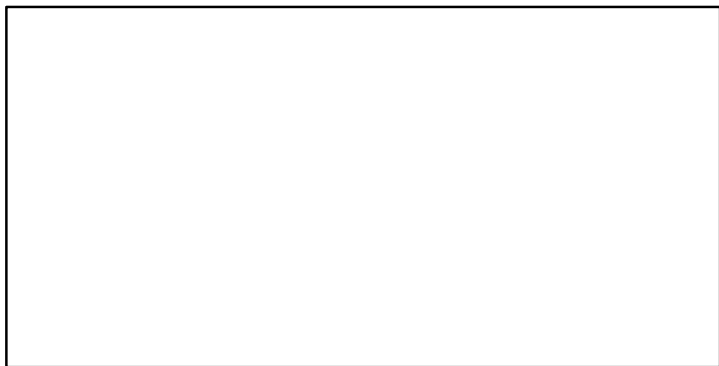
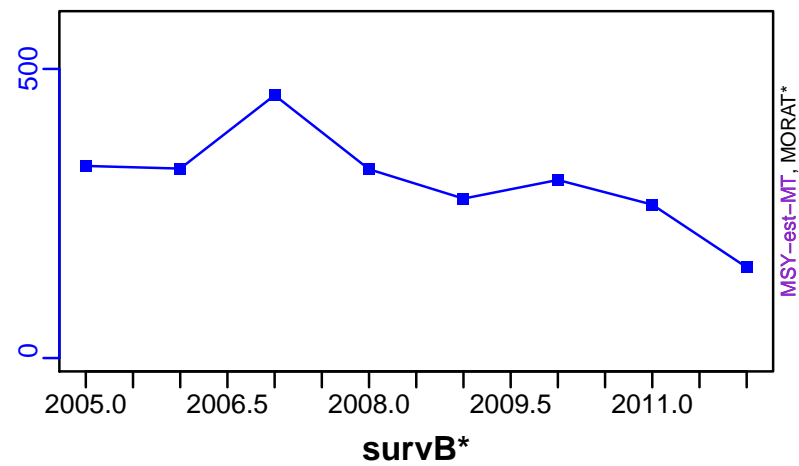
R-E00 (2005–2012–OSIO)



Red mullet Sardinia [RMULLMEDGSA11]

TC-MT, TL*, RecC* (2005–2012–OSIO)

TAC*, Cpair*, Cadv*



Red mullet Malta Island and South of Sicily [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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

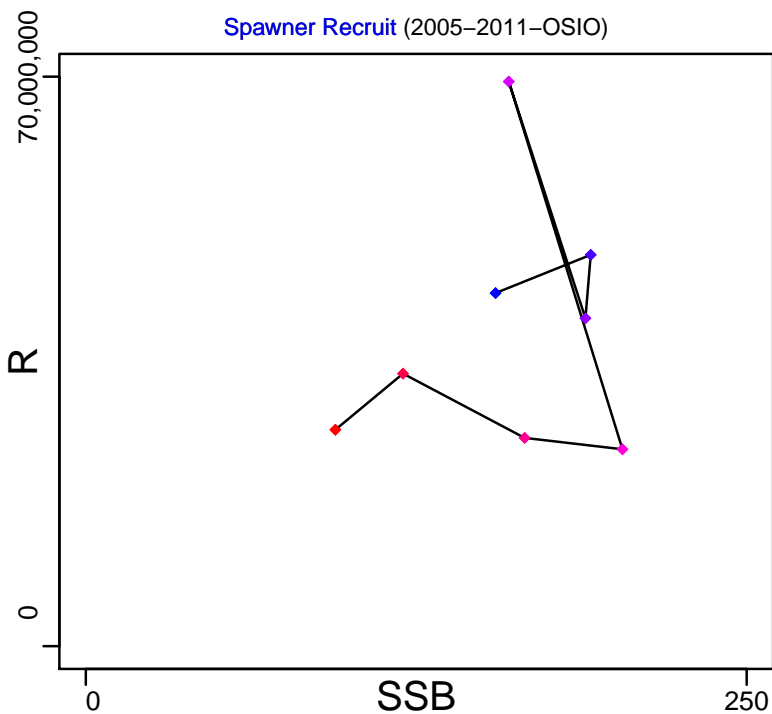
Kobe MSY*



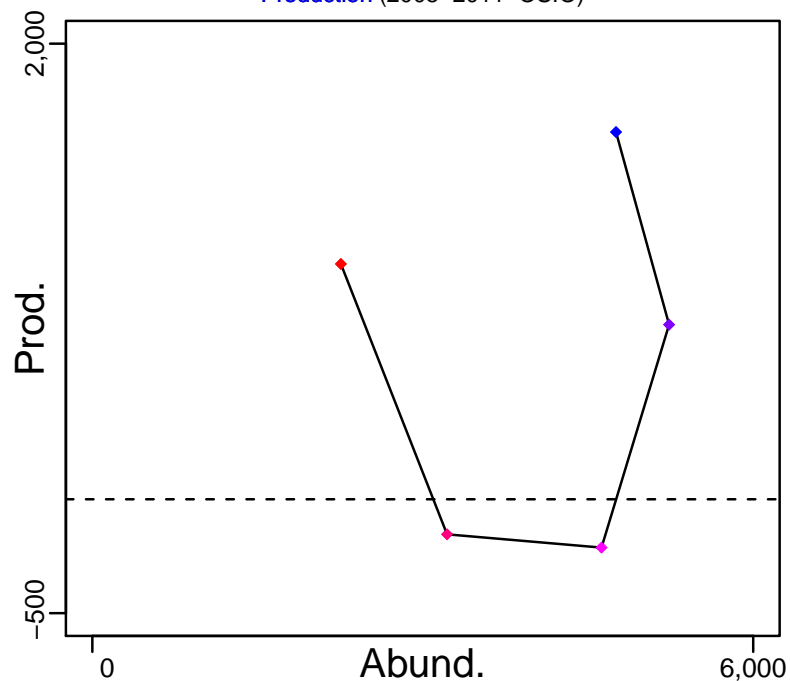
Kobe MGT*



Spawner Recruit (2005-2011-OSIO)



Production (2005-2011-OSIO)



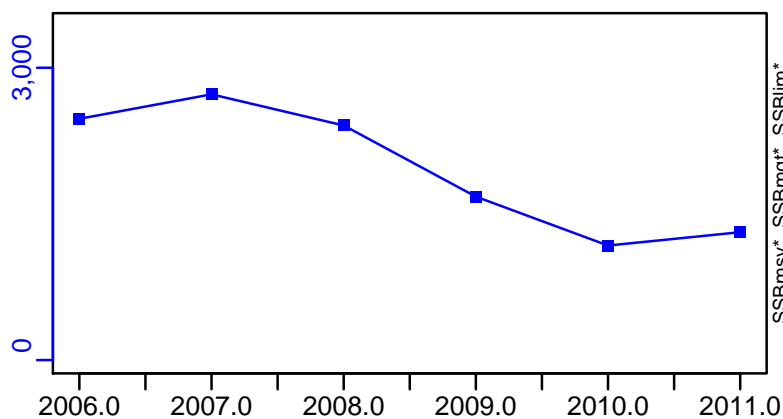
◆ Start Year ◆ End Year * No Data

Red mullet Malta Island and South of Sicily [RMULLMEDGSA15-16]

TB*



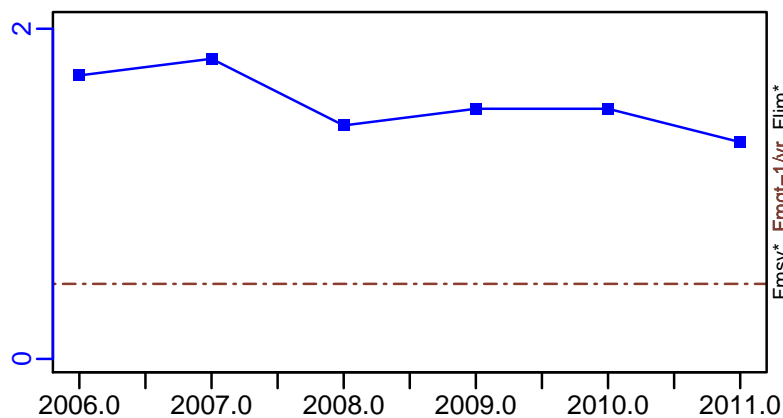
SSB-MT (2005-2011-OSIO)



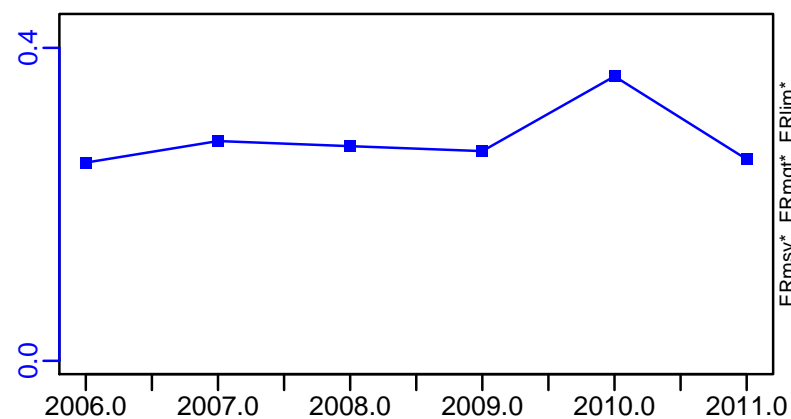
TN *



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



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



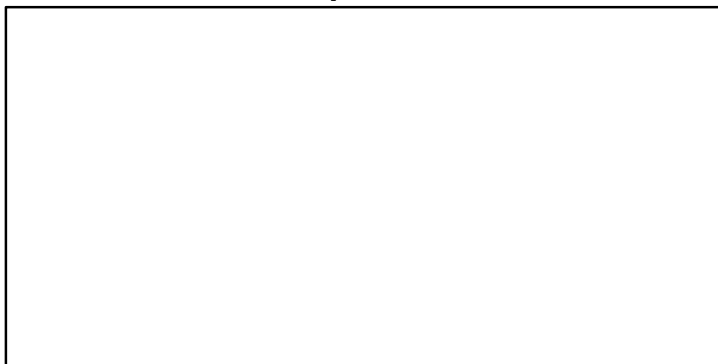
Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



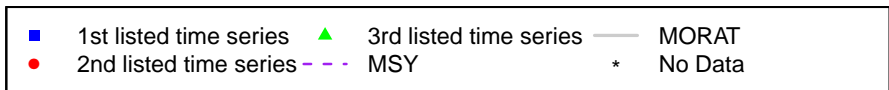
survB*



CPUE*



EFFORT*



Red mullet Adriatic Sea [RMULLMEDGSA17-18]

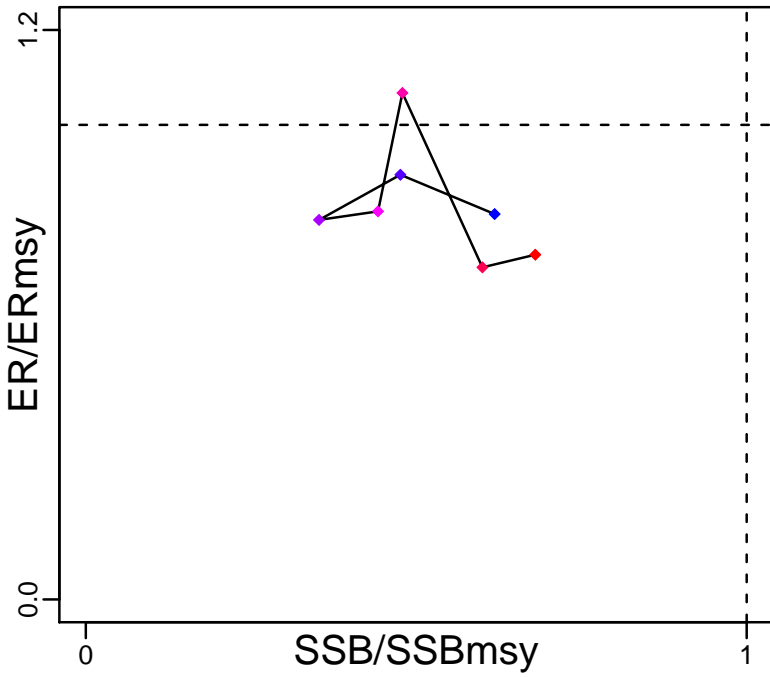
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA17-18-2008-2014-OSIO
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	9748
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.62
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.41
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	13,358
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

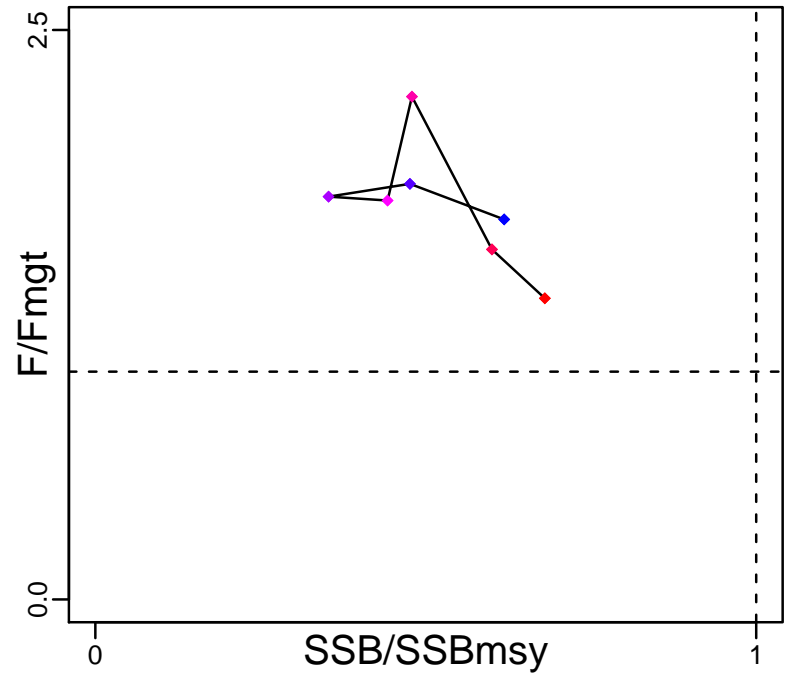
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.73		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Red mullet Adriatic Sea [RMULLMEDGSA17-18]

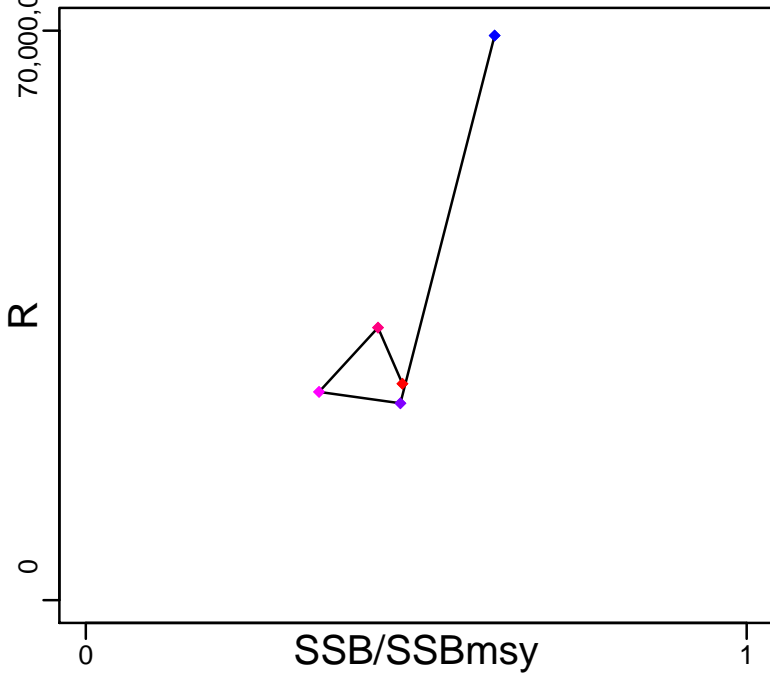
Kobe MSYpref (2008-2014-OSIO)



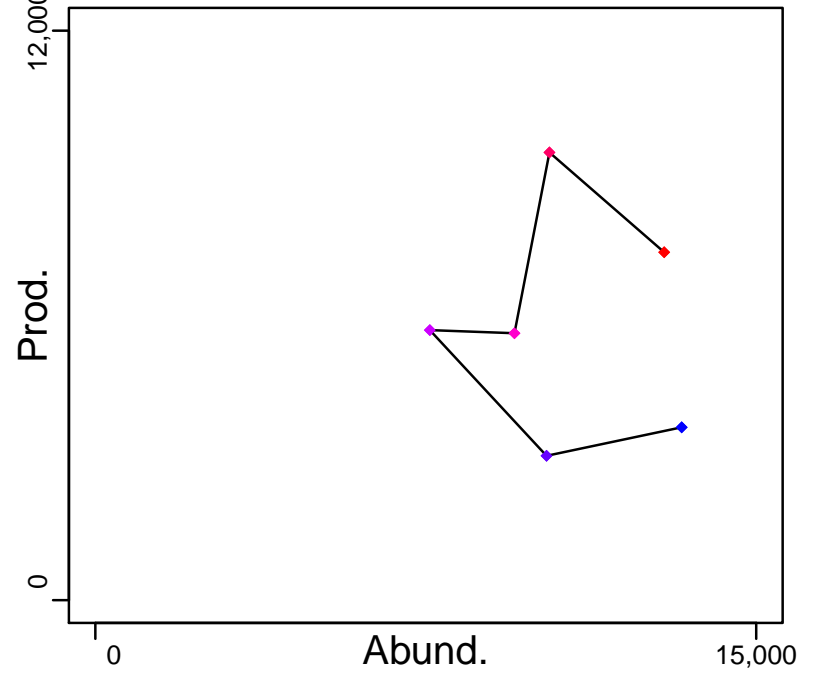
Kobe MGTpref (2008-2014-OSIO)



Spawner Recruit (2008-2014-OSIO)



Production (2008-2014-OSIO)



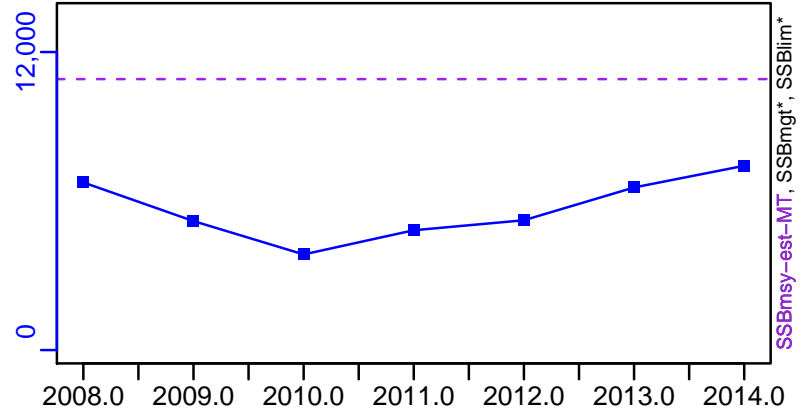
◆ Start Year ◆ End Year * No Data

Red mullet Adriatic Sea [RMULLMEDGSA17-18]

TB*



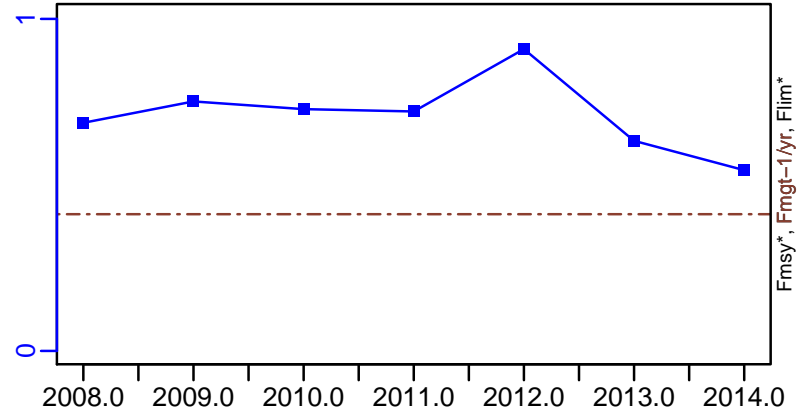
SSB-MT (2008-2014-OSIO)



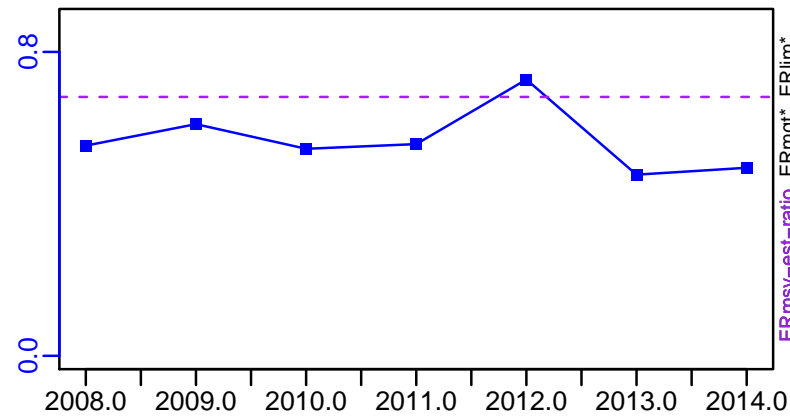
TN *



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



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



Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

Red mullet Western Ionian Sea [RMULLMEDGSA19]

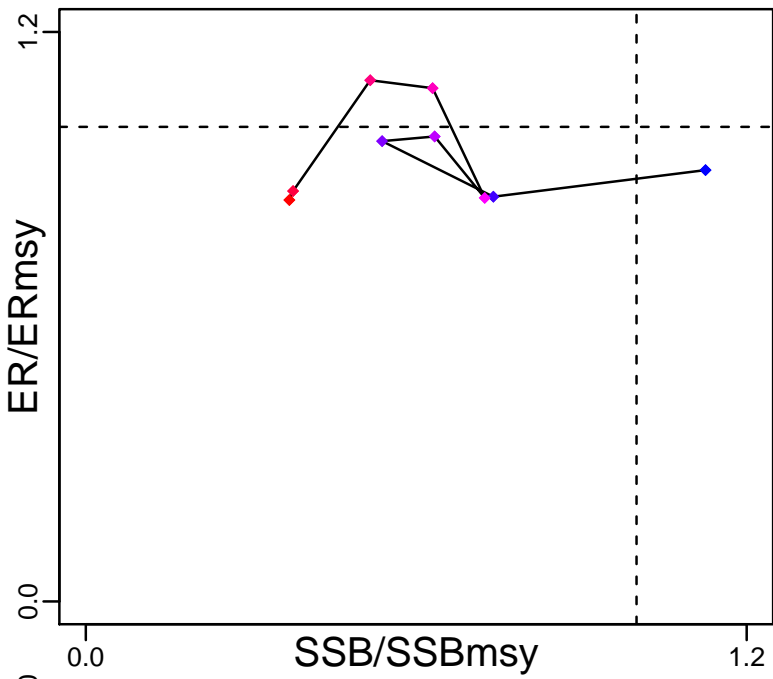
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA19-2006-2014-OSIO
Area	Western Ionian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	1342
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.29
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.45
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	860
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

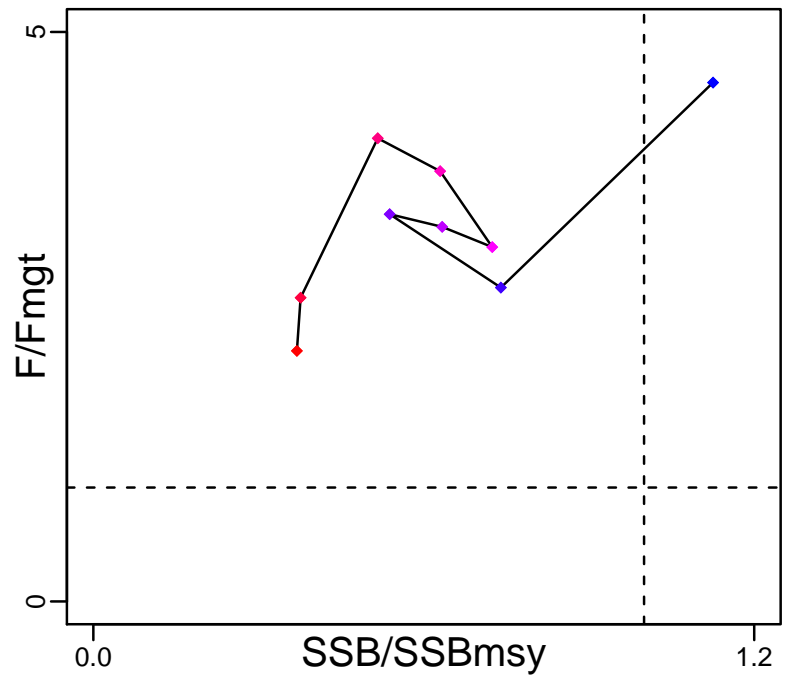
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	496	-	1+
TN	-	-	-	-	-
R	R-E00	2014	40,100,000	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	269		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.37		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.85		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	2.2		
ER/ERmgt	-	-	-		

Red mullet Western Ionian Sea [RMULLMEDGSA19]

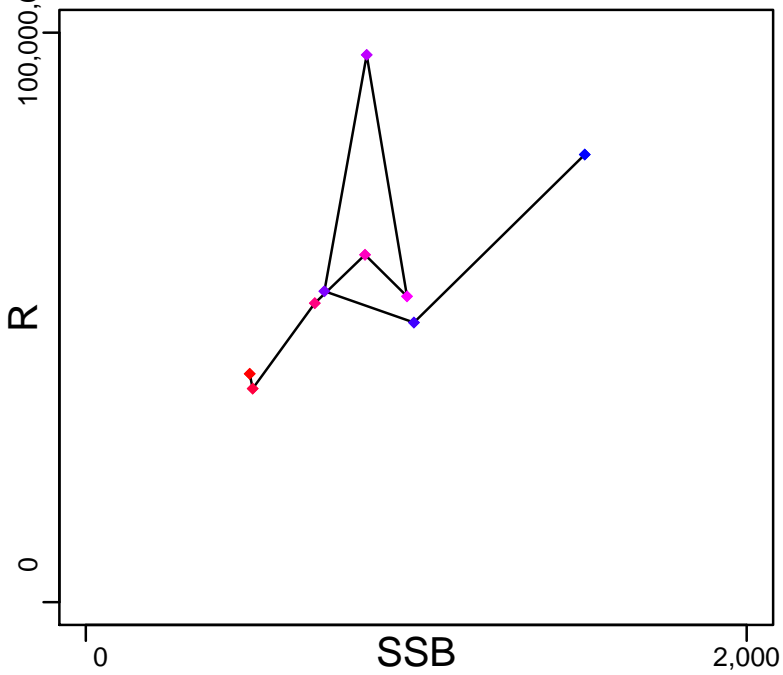
Kobe MSYpref (2006–2014–OSIO)



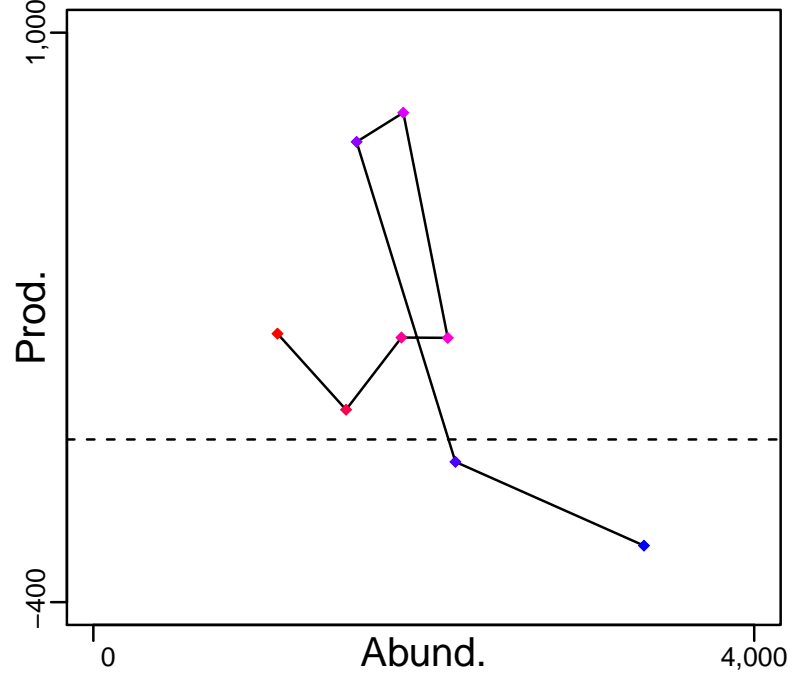
Kobe MGTpref (2006–2014–OSIO)



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



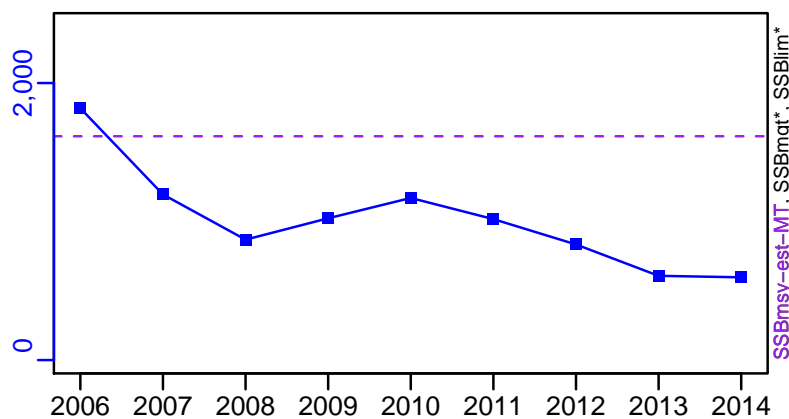
◆ Start Year ◆ End Year * No Data

Red mullet Western Ionian Sea [RMULLMEDGSA19]

TB*



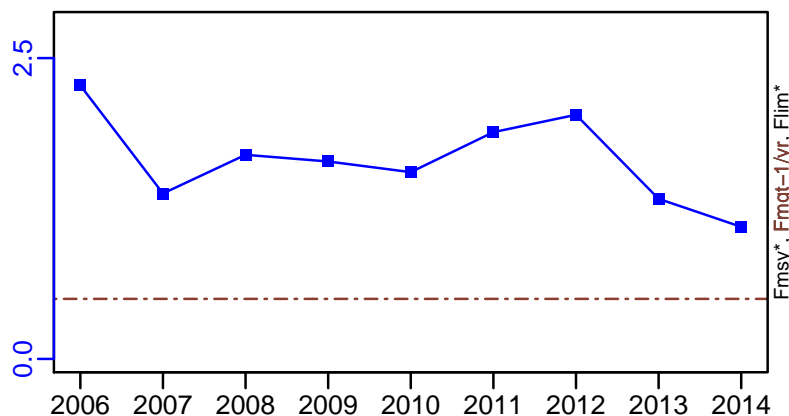
SSB-MT (2006–2014–OSIO)



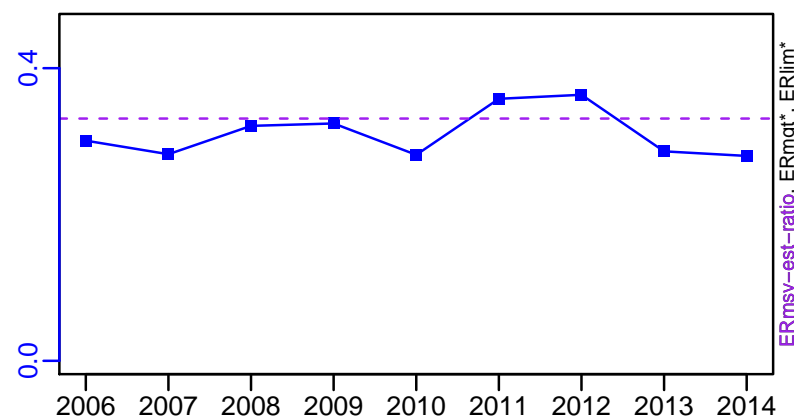
TN *



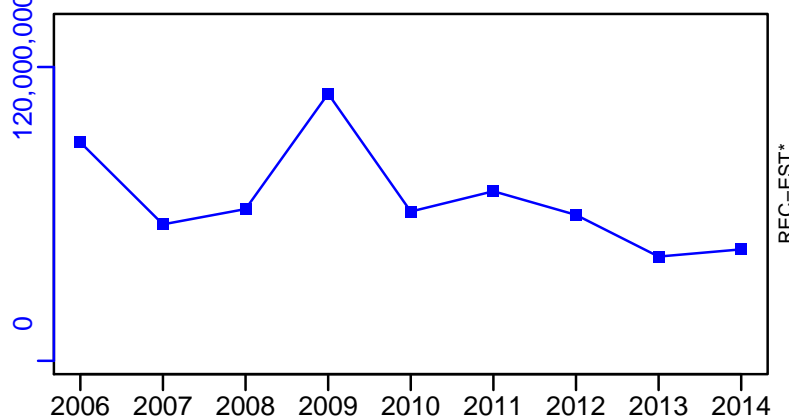
F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)

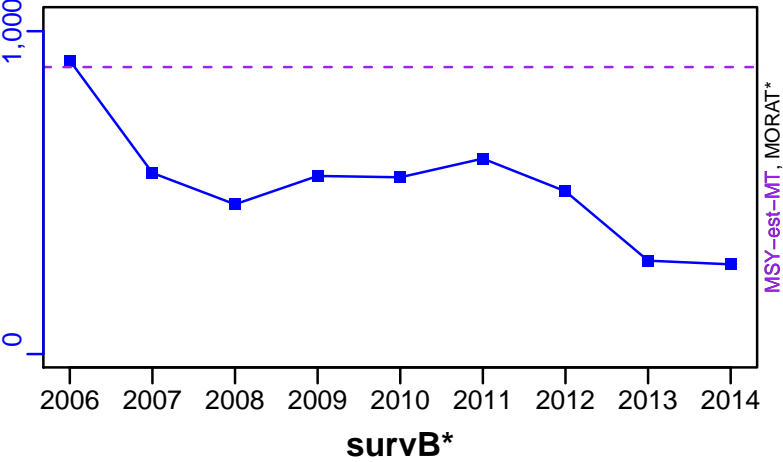


R-E00 (2006–2014–OSIO)



Red mullet Western Ionian Sea [RMULLMEDGSA19]

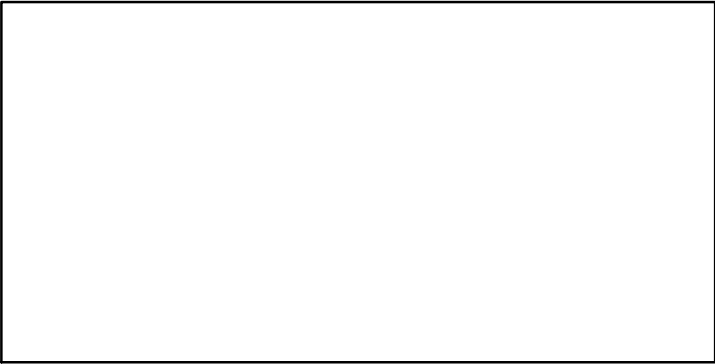
TC-MT, TL*, RecC* (2006–2014–OSIO)



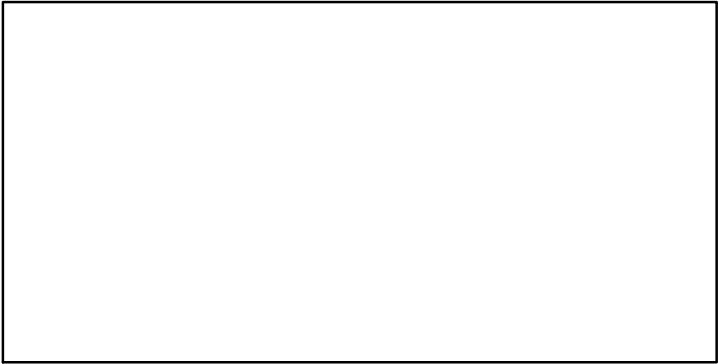
TAC*, Cpair*, Cadv*



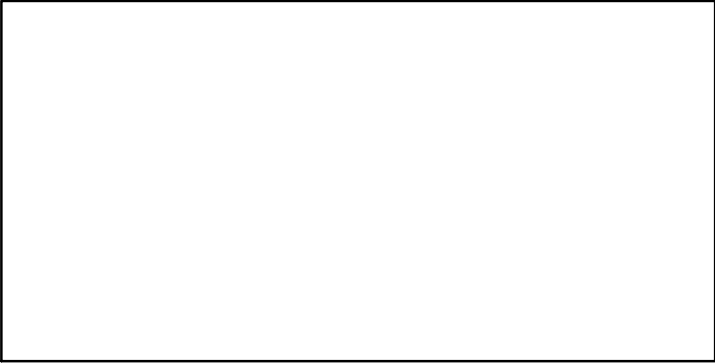
survB*



CPUE*



EFFORT*



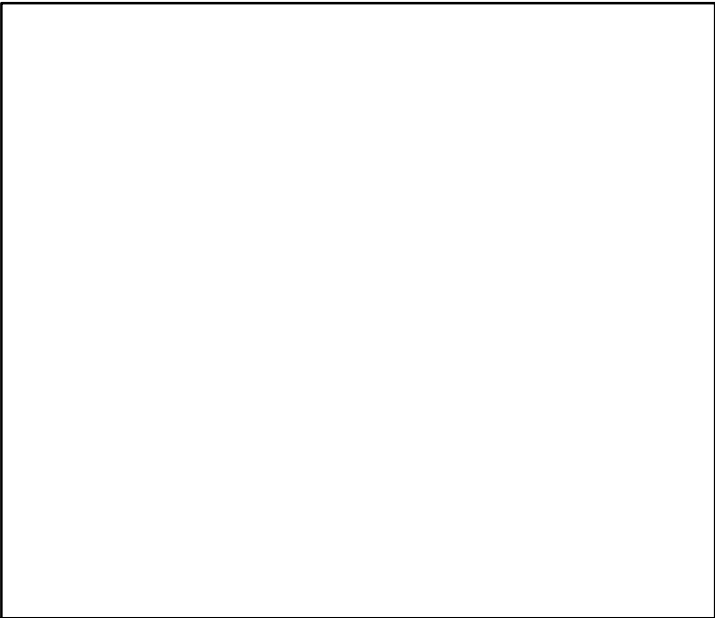
Red mullet Cyprus Island [RMULLMEDGSA25]

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	1	-	-
ER	ER-calc-ratio	2008	0	-	-
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	3.82		
ER/ERmgt	-	-	-		

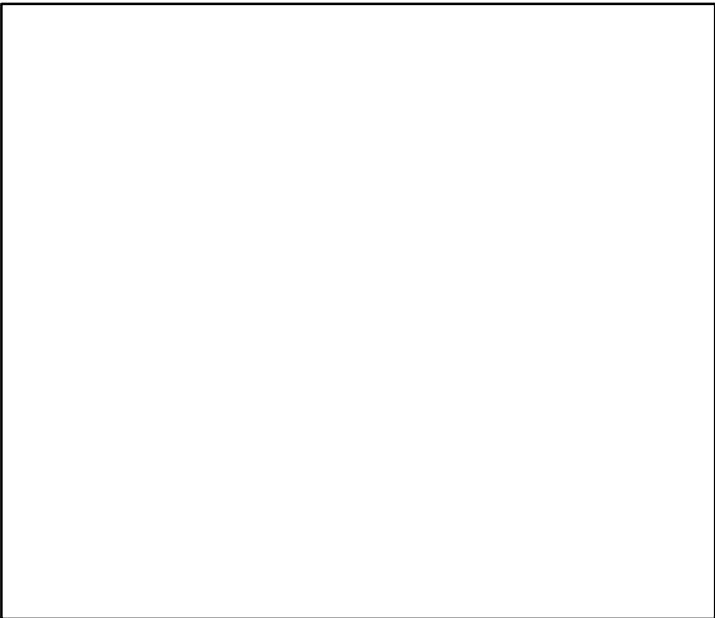
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



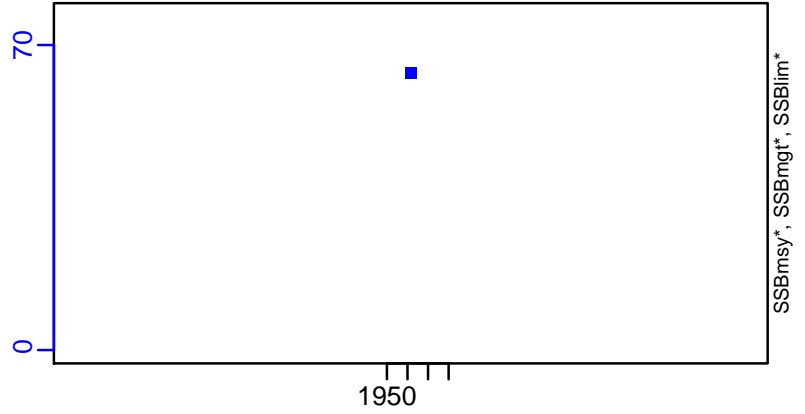
◆ Start Year ◆ End Year * No Data

Red mullet Cyprus Island [RMULLMEDGSA25]

TB*



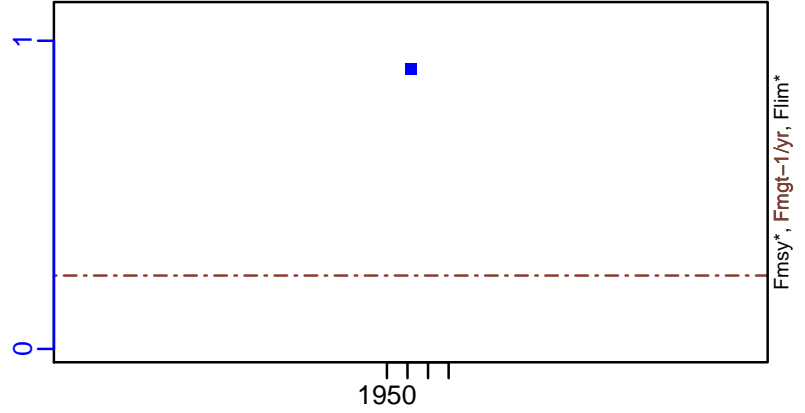
SSB-MT (2005–2008–OSIO)



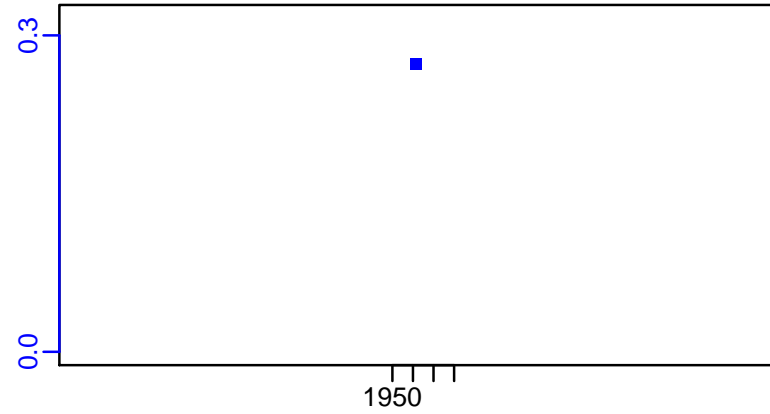
TN *



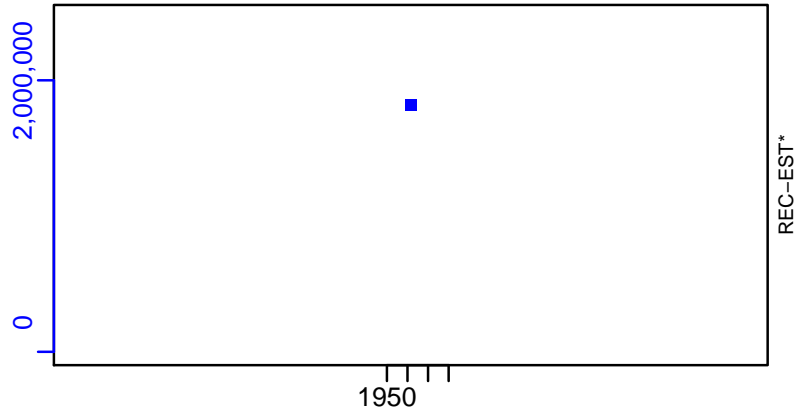
F-1/yr (2005–2008–OSIO)



ER-calc-ratio (2005–2008–OSIO)

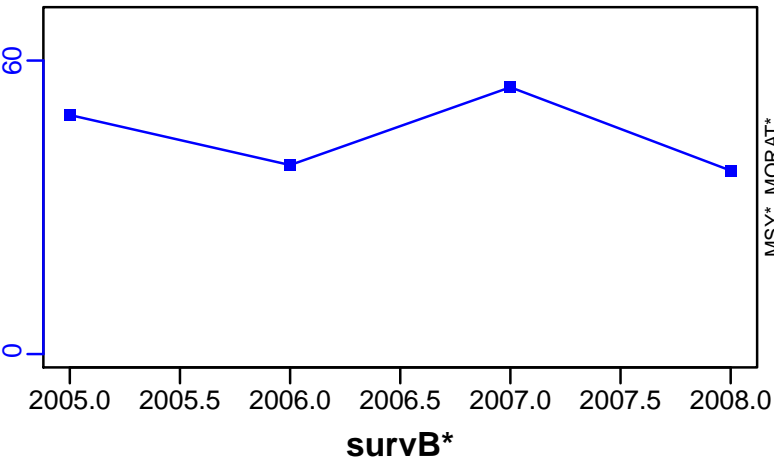


R-E00 (2005–2008–OSIO)



Red mullet Cyprus Island [RMULLMEDGSA25]

TC-MT, TL*, RecC* (2005–2008–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

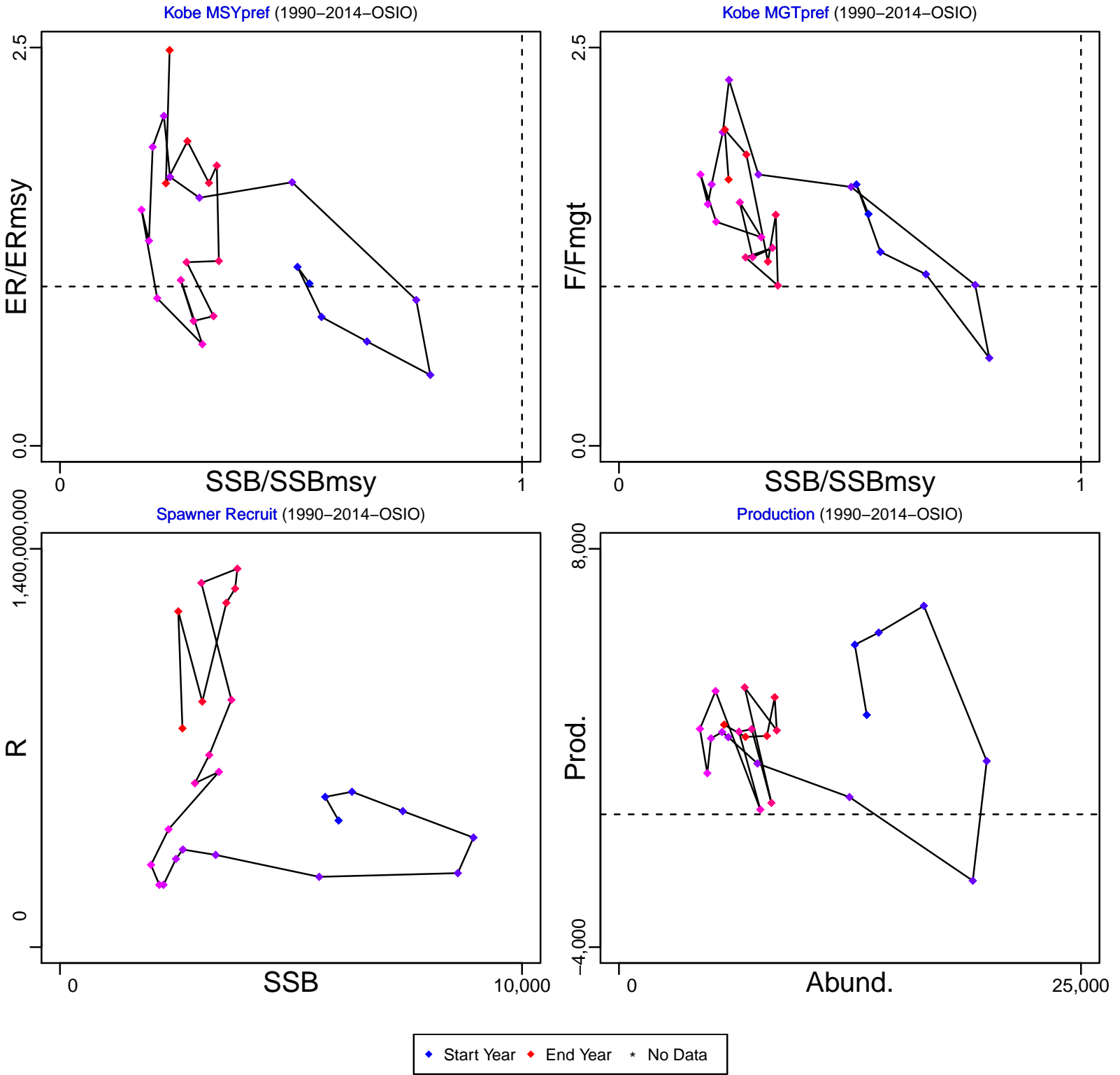
Red mullet Black Sea [RMULLMEDGSA29]

Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA29-1990-2014-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	SSBmsy-est-MT	2014	11,167
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.27
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.64
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	6618
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	2650	-	1+
TN	-	-	-	-	-
R	R-E00	2014	7.69×10^8	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	1	-	-
TC	TC-MT	2014	3900		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.24		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	2.48		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.67		
ER/ERmgt	-	-	-		

Red mullet Black Sea [RMULLMEDGSA29]

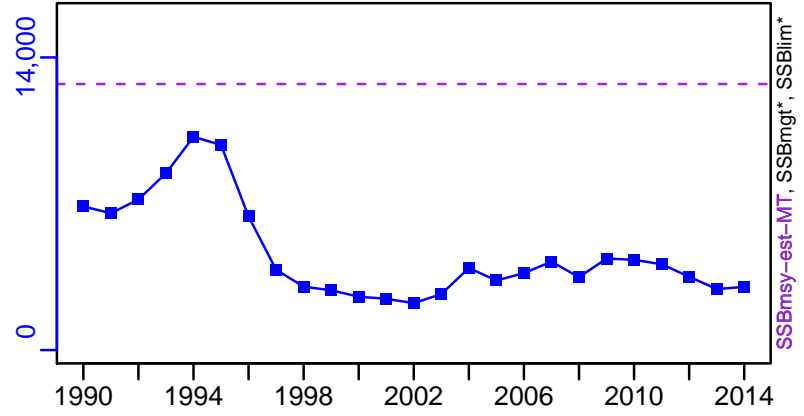


Red mullet Black Sea [RMULLMEDGSA29]

TB*



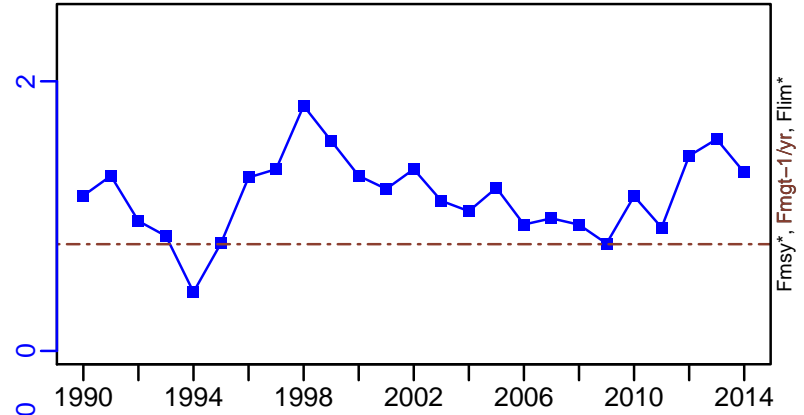
SSB-MT (1990–2014–OSIO)



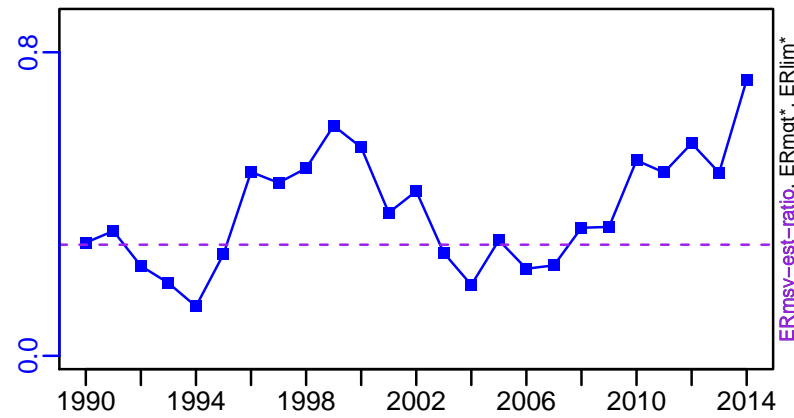
TN *



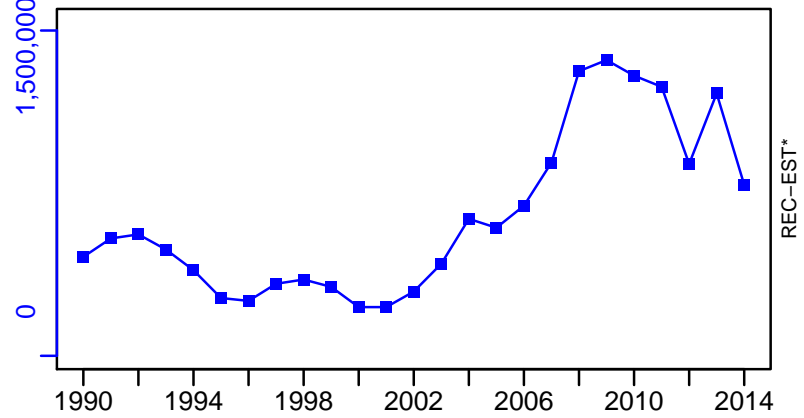
F-1/yr (1990–2014–OSIO)



ER-calc-ratio (1990–2014–OSIO)

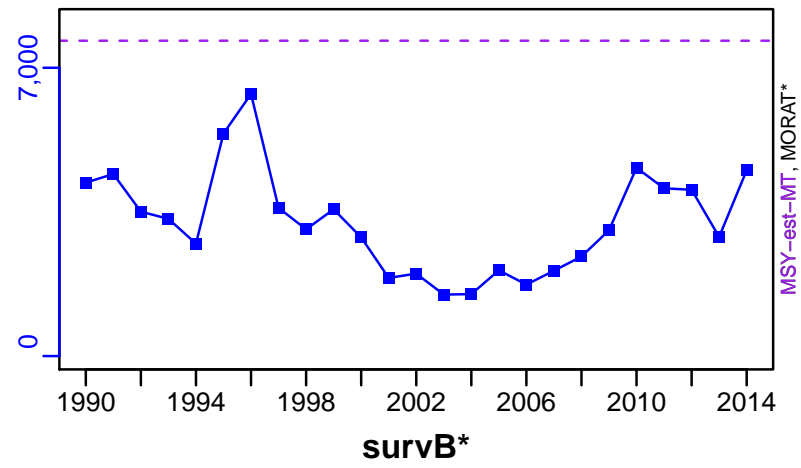


R-E00 (1990–2014–OSIO)



Red mullet Black Sea [RMULLMEDGSA29]

TC-MT, TL*, RecC* (1990–2014–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Red mullet Balearic Island [RMULLMEDGSA5]

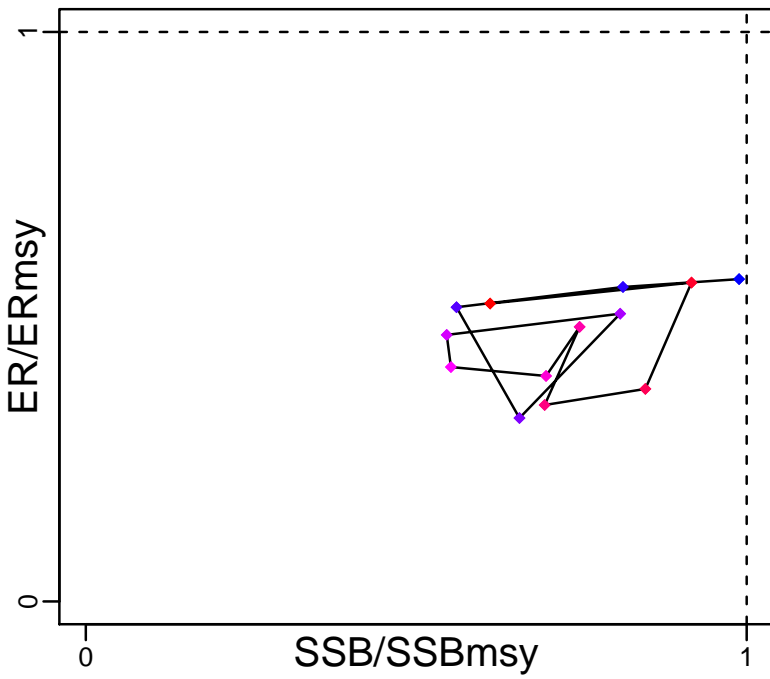
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA5-2000-2012-OSIO
Area	Balearic Island
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2012	47
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.48
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.14
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	50
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

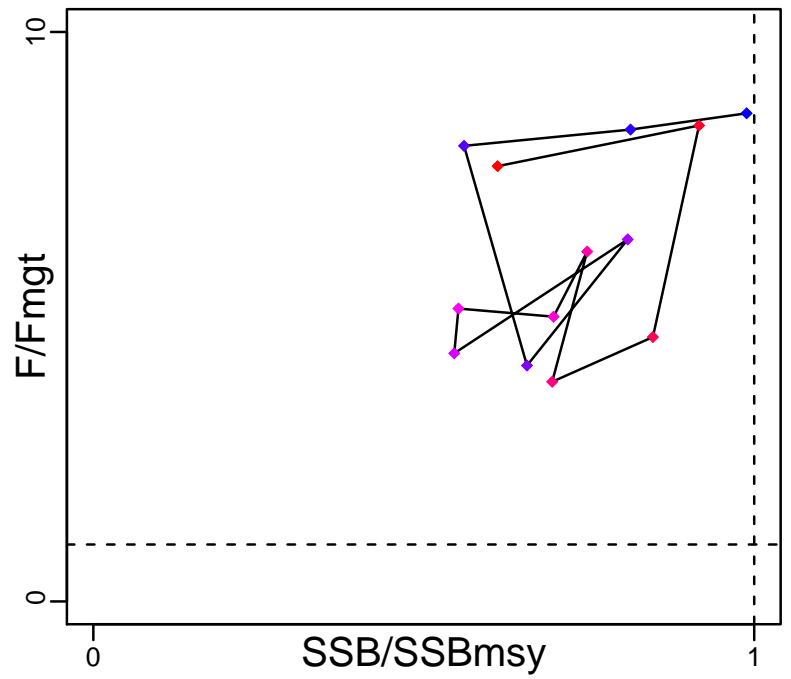
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	29	-	1+
TN	-	-	-	-	-
R	R-E00	2012	1,050,000	-	-
F	F-1/yr	2012	1	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	15.9		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2012	0.61		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.52		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	7.64		
ER/ERmgt	-	-	-		

Red mullet Balearic Island [RMULLMEDGSA5]

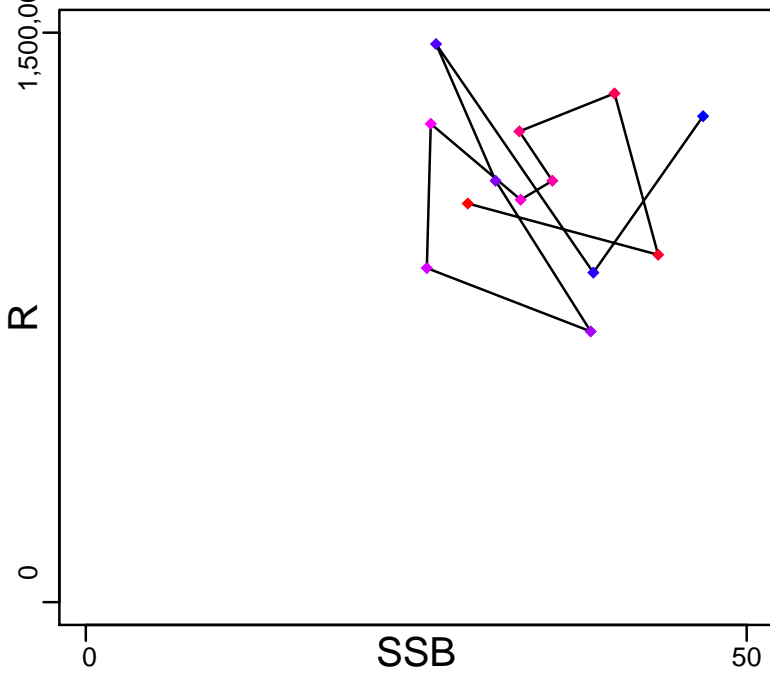
Kobe MSYpref (2000–2012–OSIO)



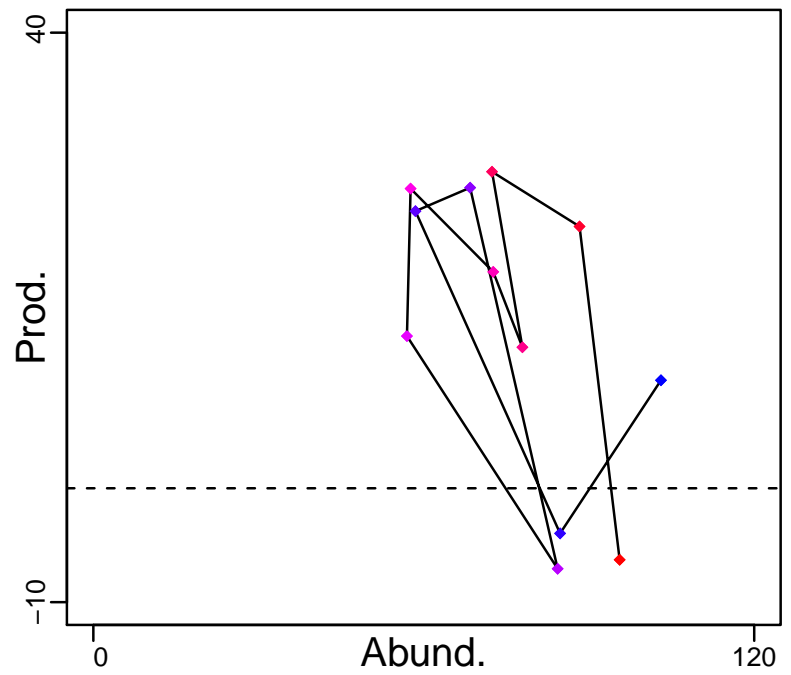
Kobe MGTpref (2000–2012–OSIO)



Spawner Recruit (2000–2012–OSIO)



Production (2000–2012–OSIO)



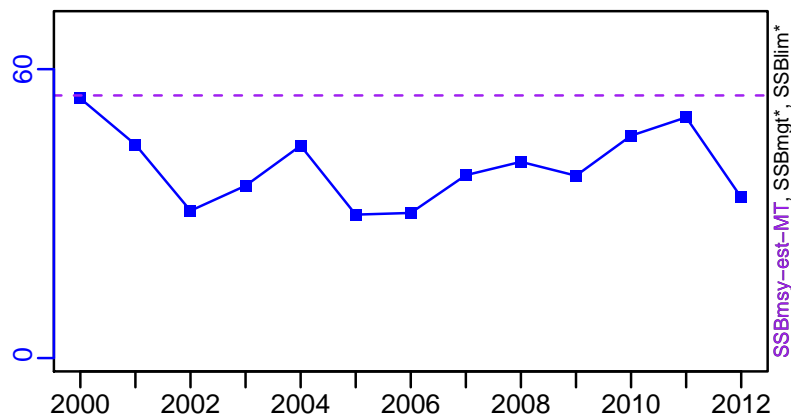
◆ Start Year ◆ End Year * No Data

Red mullet Balearic Island [RMULLMEDGSA5]

TB*



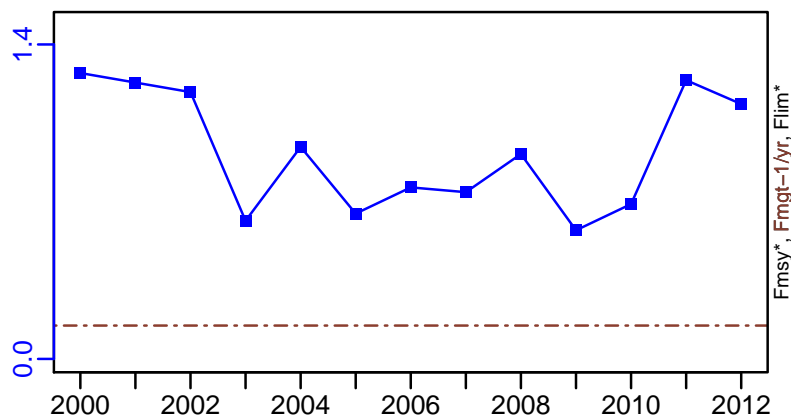
SSB-MT (2000–2012–OSIO)



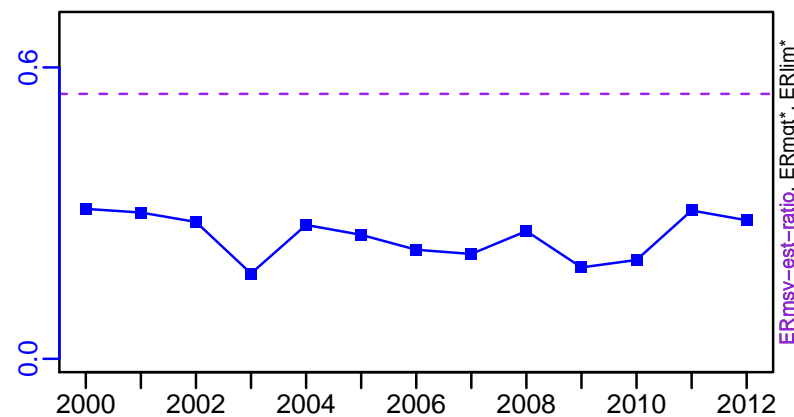
TN *



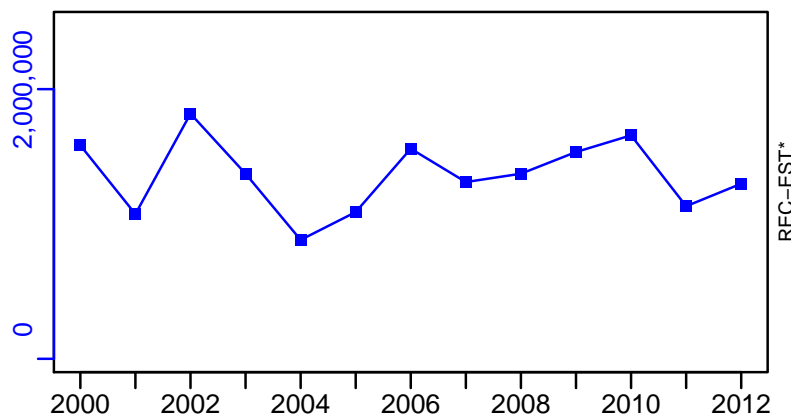
F-1/yr (2000–2012–OSIO)



ER-calc-ratio (2000–2012–OSIO)



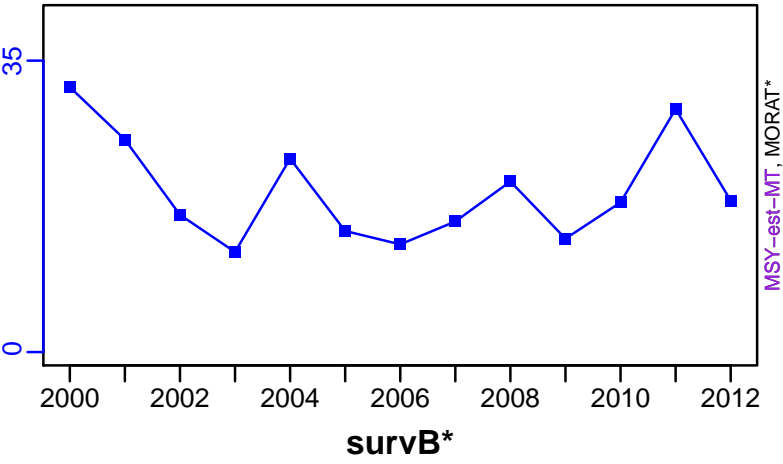
R-E00 (2000–2012–OSIO)



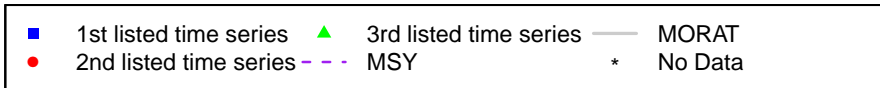
Red mullet Balearic Island [RMULLMEDGSA5]

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

TAC*, Cpair*, Cadv*



EFFORT*



Red mullet Northern Spain [RMULLMEDGSA6]

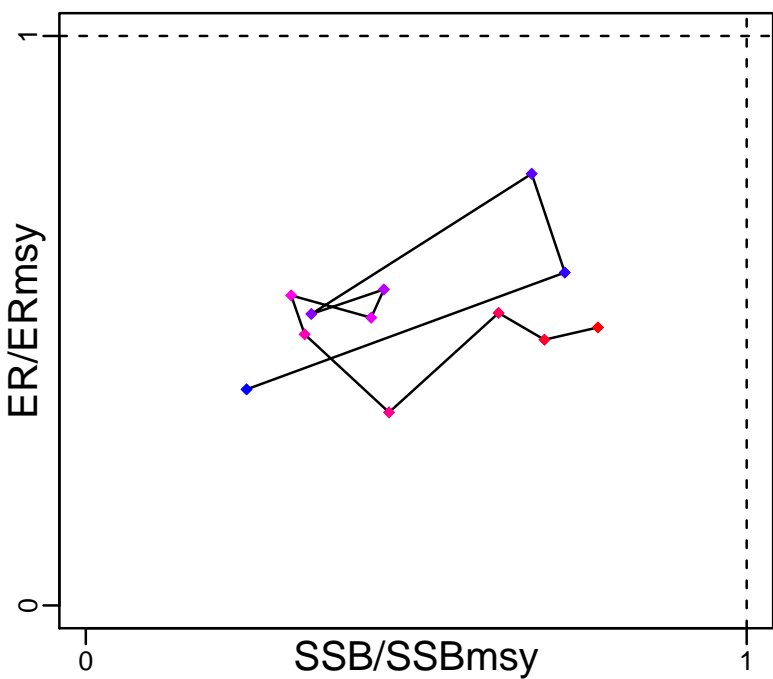
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA6-2002-2013-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	2594
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.51
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.57
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	3304
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

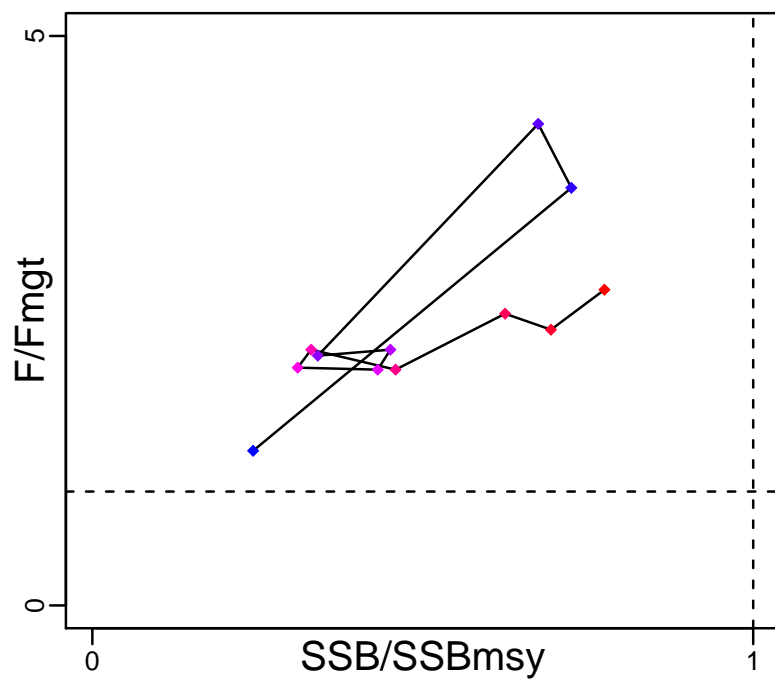
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	2010	-	-
TN	-	-	-	-	-
R	R-E00	2013	86,300,000	-	-
F	F-1/yr	2013	2	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	1250		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.77		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.49		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	2.77		
ER/ERmgt	-	-	-		

Red mullet Northern Spain [RMULLMEDGSA6]

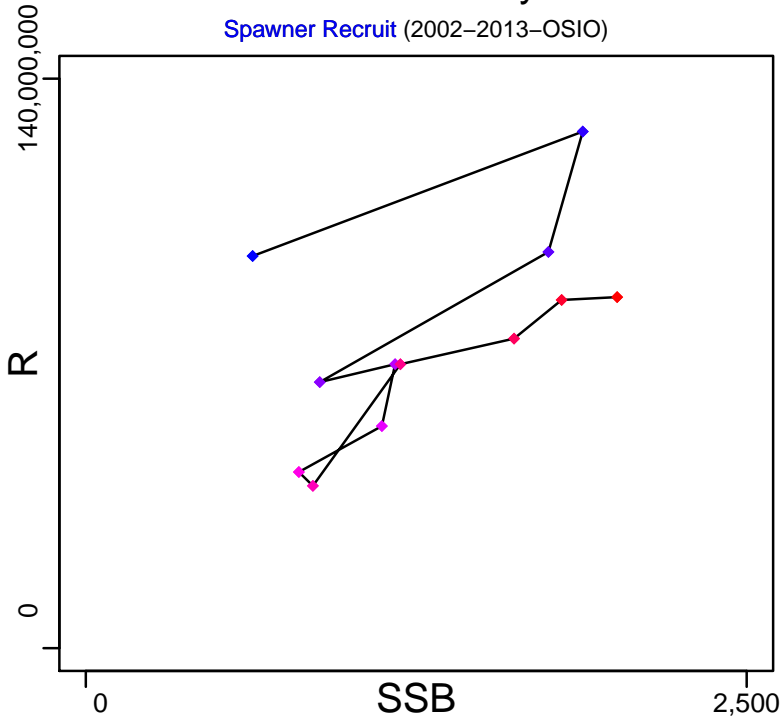
Kobe MSYpref (2002–2013–OSIO)



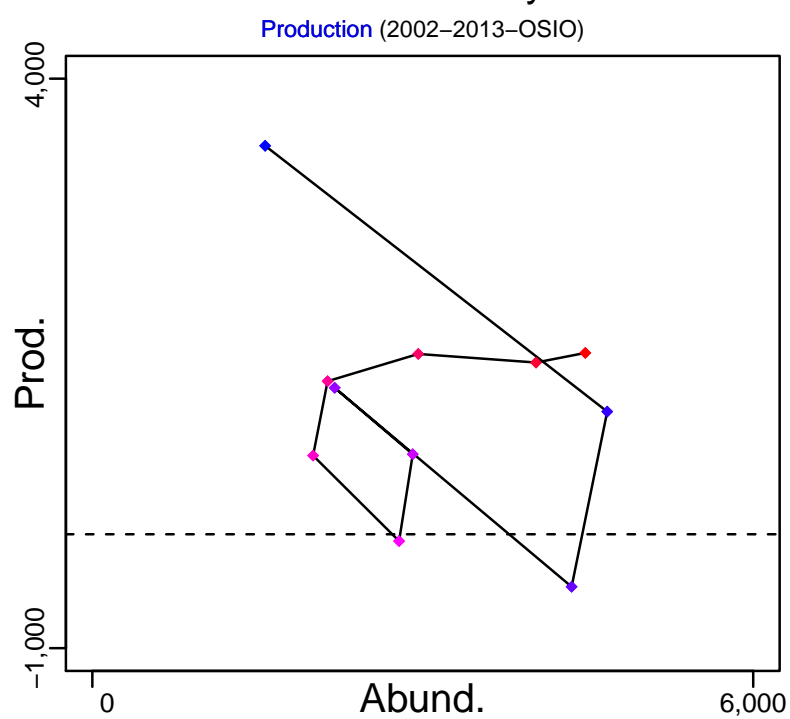
Kobe MGTpref (2002–2013–OSIO)



Spawner Recruit (2002–2013–OSIO)



Production (2002–2013–OSIO)



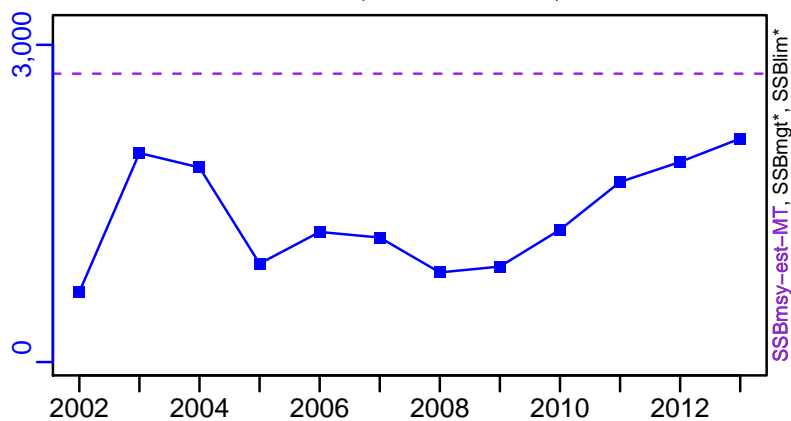
◆ Start Year ◆ End Year * No Data

Red mullet Northern Spain [RMULLMEDGSA6]

TB*



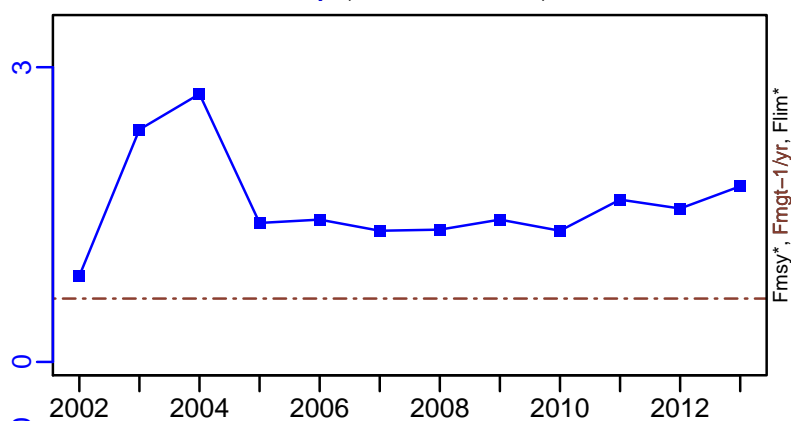
SSB-MT (2002-2013-OSIO)



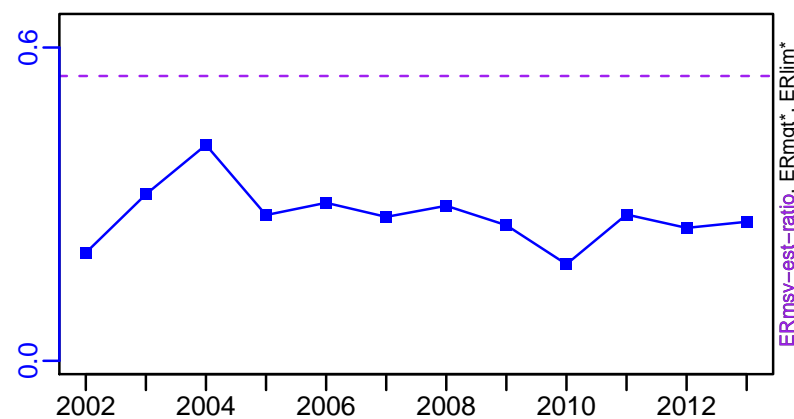
TN *



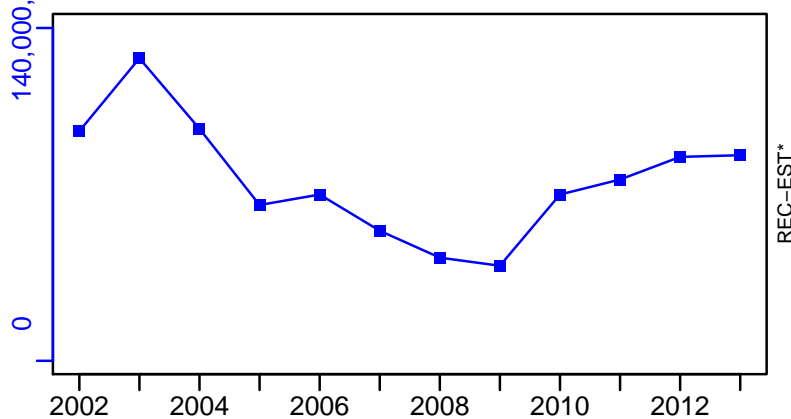
F-1/yr (2002-2013-OSIO)



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



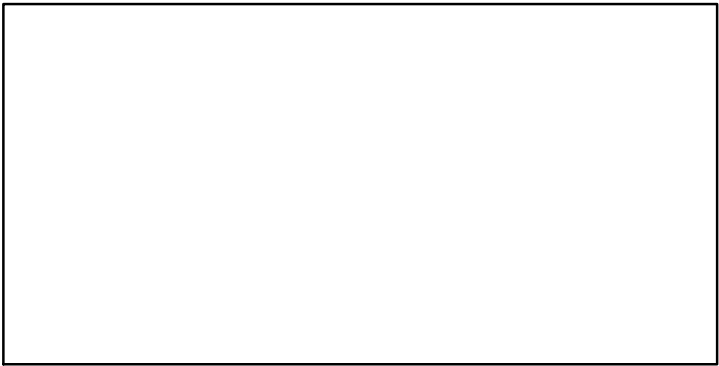
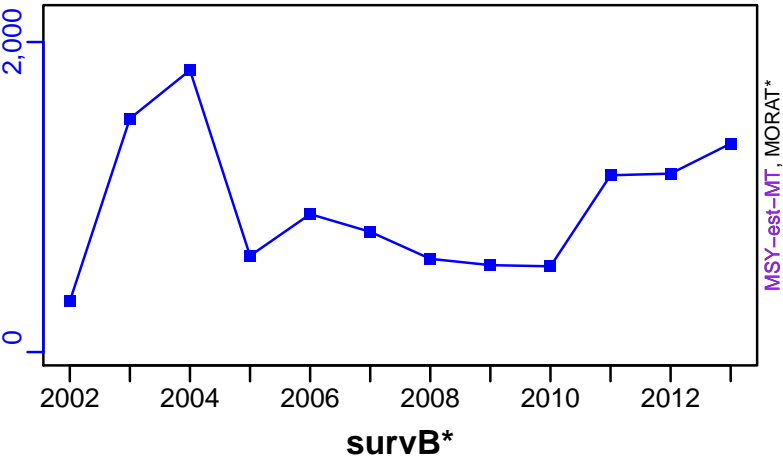
R-E00 (2002-2013-OSIO)



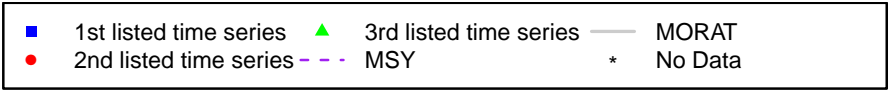
Red mullet Northern Spain [RMULLMEDGSA6]

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

TAC*, Cpair*, Cadv*



EFFORT*

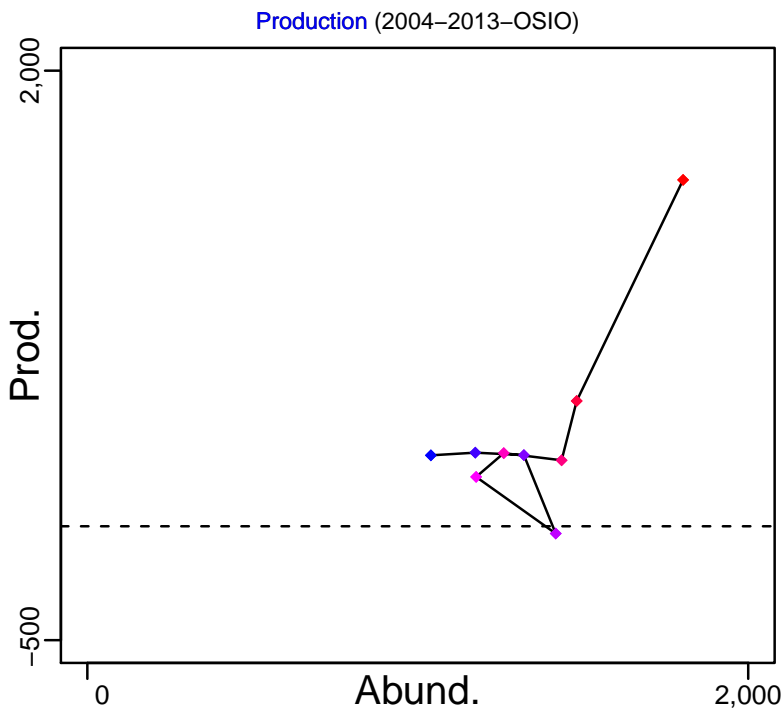
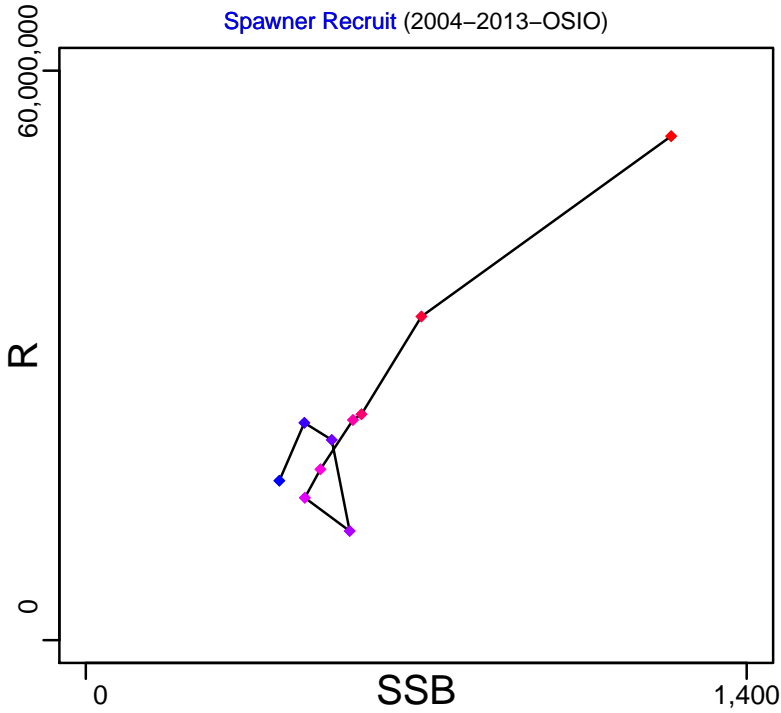


Red mullet Gulf of Lions [RMULLMEDGSA7]

Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA7-2004-2013-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	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	1240	-	-
TN	-	-	-	-	-
R	R-E00	2013	53,100,000	-	-
F	F-1/yr	2013	0	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	297		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	3.11		
ER/ERmgt	-	-	-		



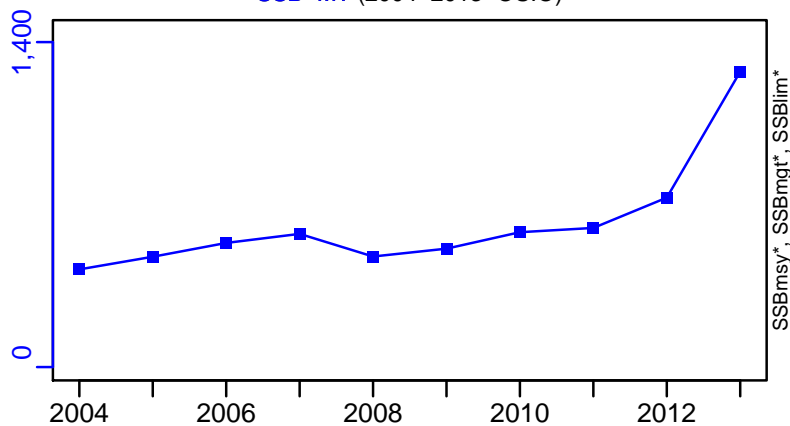
◆ Start Year ◆ End Year * No Data

Red mullet Gulf of Lions [RMULLMEDGSA7]

TB*



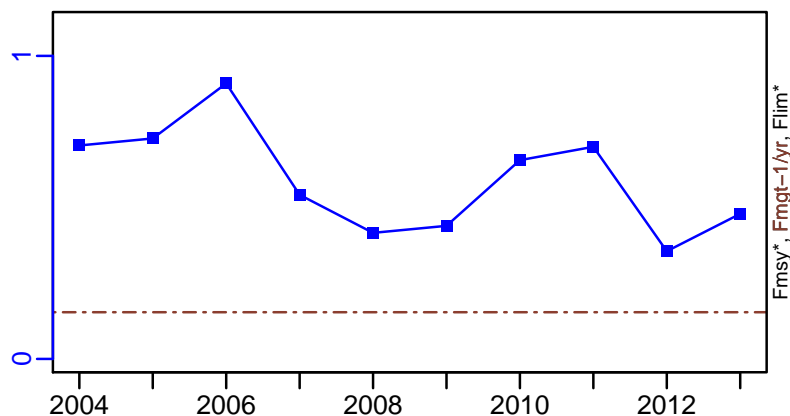
SSB-MT (2004–2013–OSIO)



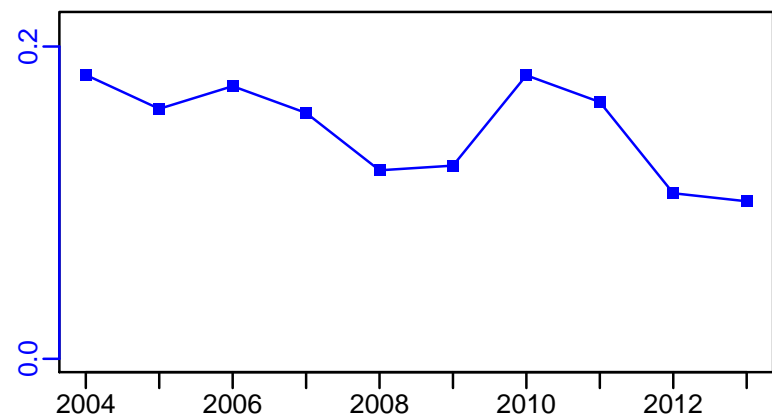
TN *



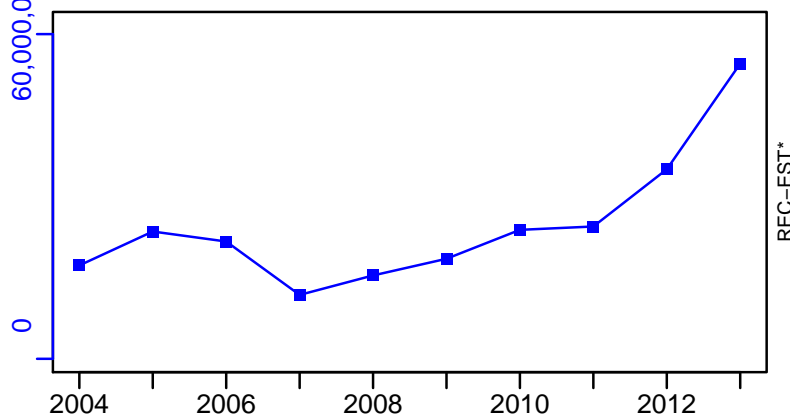
F-1/yr (2004–2013–OSIO)



ER-calc-ratio (2004–2013–OSIO)

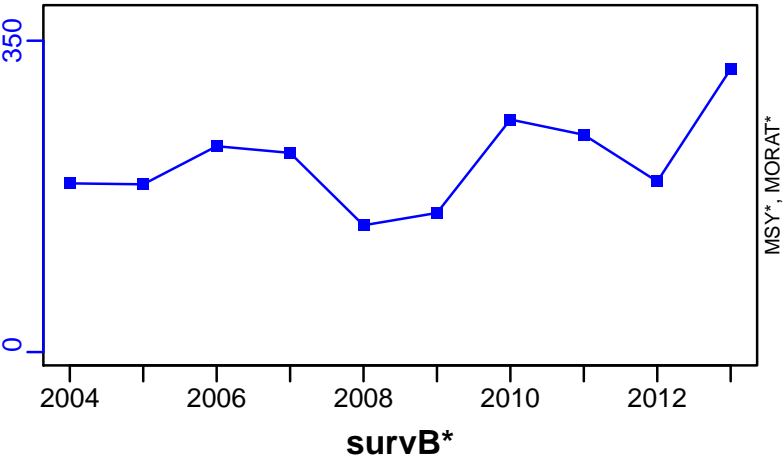


R-E00 (2004–2013–OSIO)



Red mullet Gulf of Lions [RMULLMEDGSA7]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

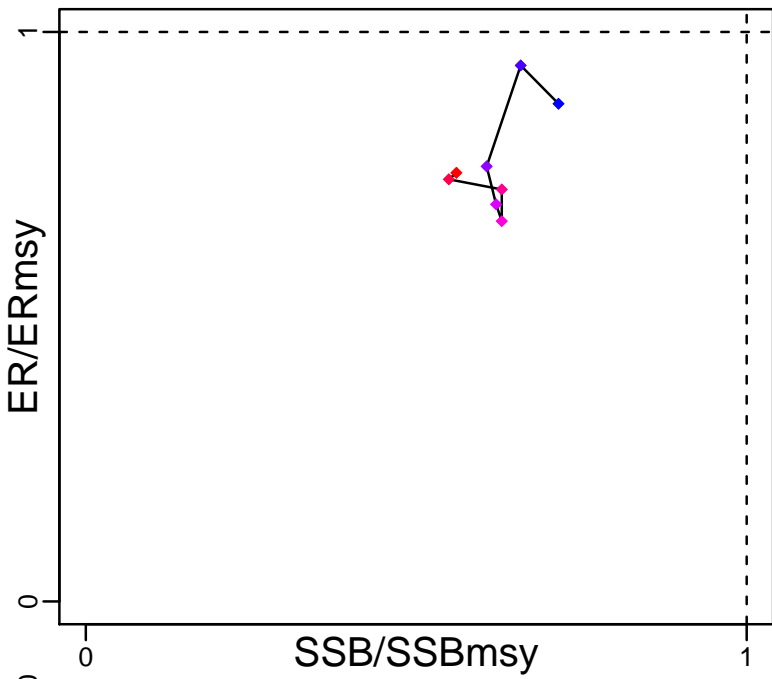
Metadata	
Scientific Name	Mullus barbatus
Current Assess ID	STECF-RMULLMEDGSA9-2006-2013-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	3495
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2013	0.23
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.6
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	1744
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

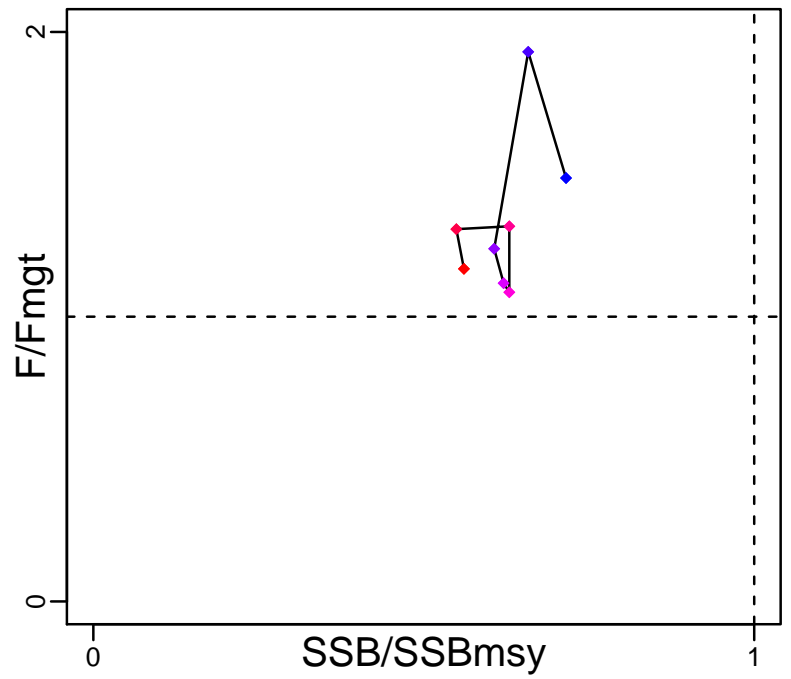
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2013	1960	-	1+
TN	-	-	-	-	-
R	R-E00	2013	1.63×10^8	-	-
F	F-1/yr	2013	1	-	-
ER	ER-calc-ratio	2013	0	-	-
TC	TC-MT	2013	736		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.56		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.75		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.17		
ER/ERmgt	-	-	-		

Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

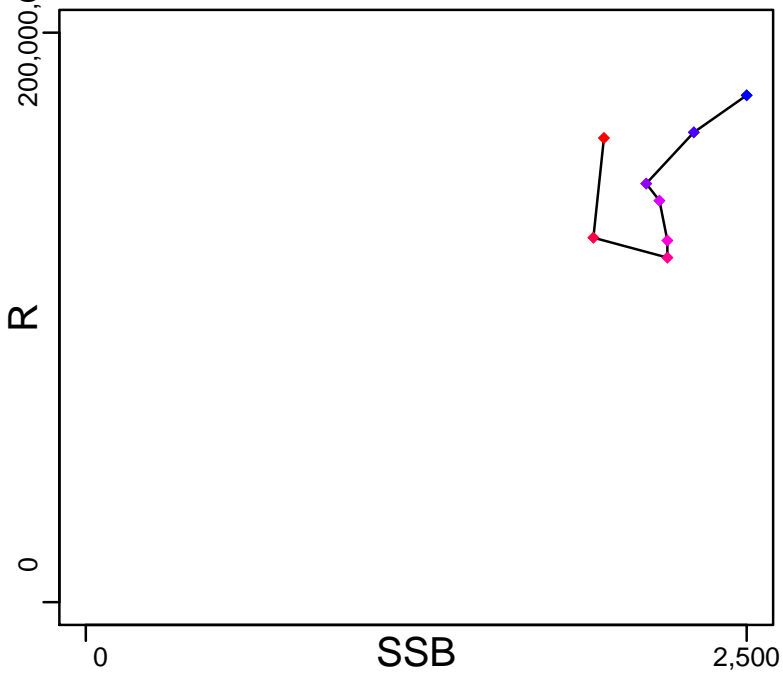
Kobe MSYpref (2006–2013–OSIO)



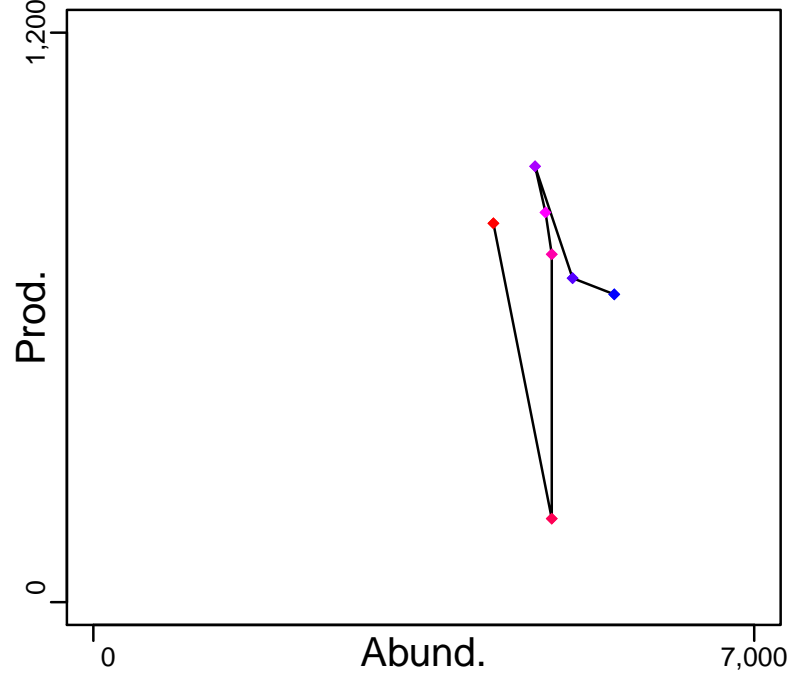
Kobe MGTpref (2006–2013–OSIO)



Spawner Recruit (2006–2013–OSIO)



Production (2006–2013–OSIO)



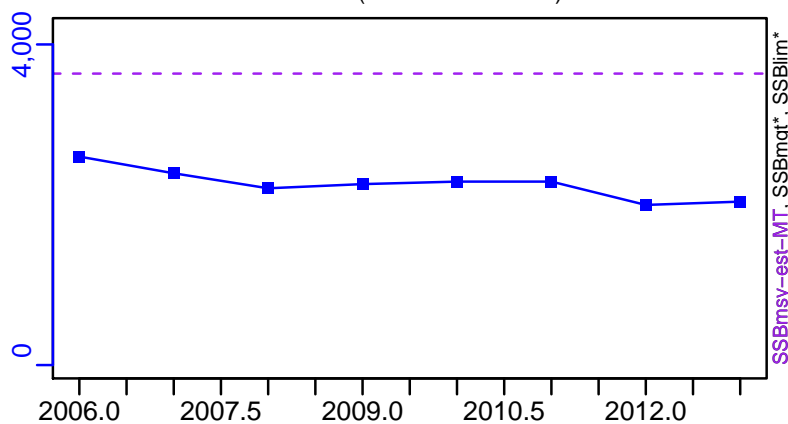
◆ Start Year ◆ End Year * No Data

Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

TB*



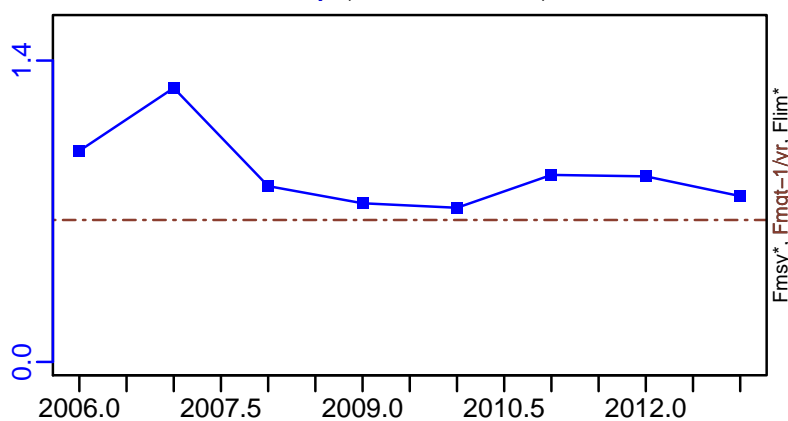
SSB-MT (2006–2013–OSIO)



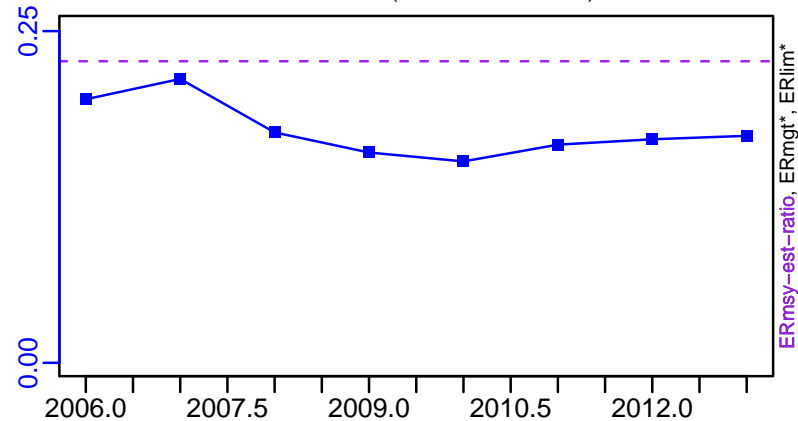
TN *



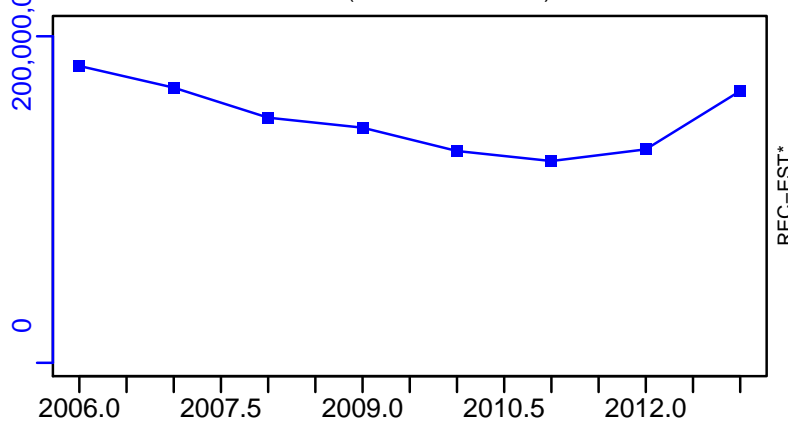
F-1/yr (2006–2013–OSIO)



ER-calc-ratio (2006–2013–OSIO)



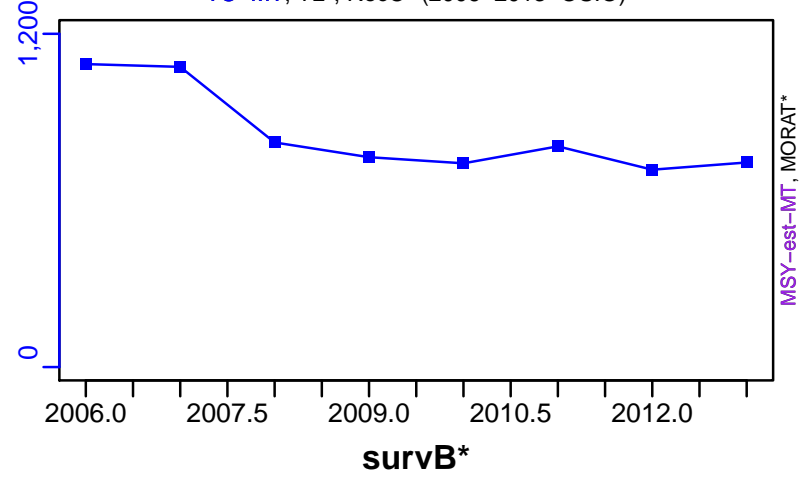
R-E00 (2006–2013–OSIO)



Red mullet Ligurian and North Tyrrhenian Sea [RMULLMEDGSA9]

TC-MT, TL*, RecC* (2006–2013–OSIO)

TAC*, Cpair*, Cadv*



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

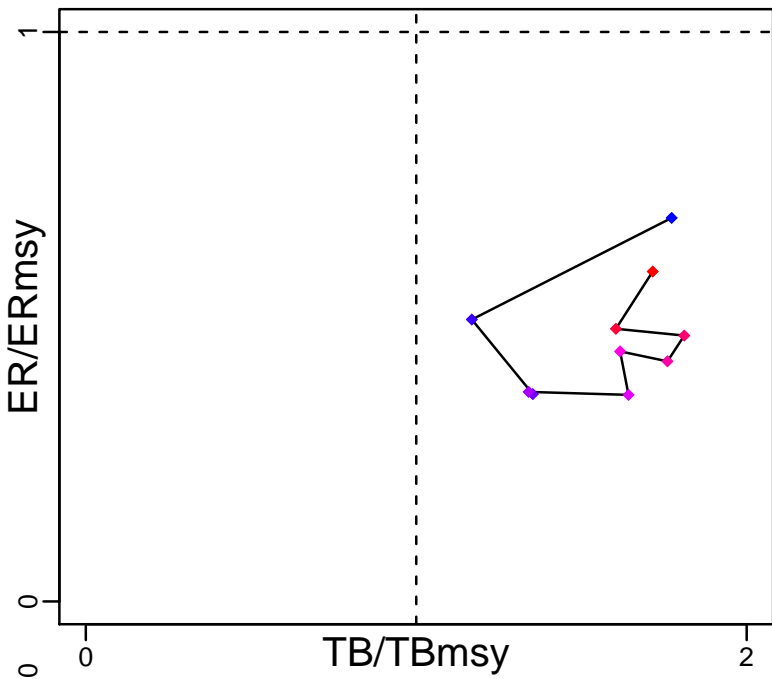
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA-2006-2015-OSIO
Area	Geographical Sub-Areas 9-11
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	3142
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2015	0.49
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	1549
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

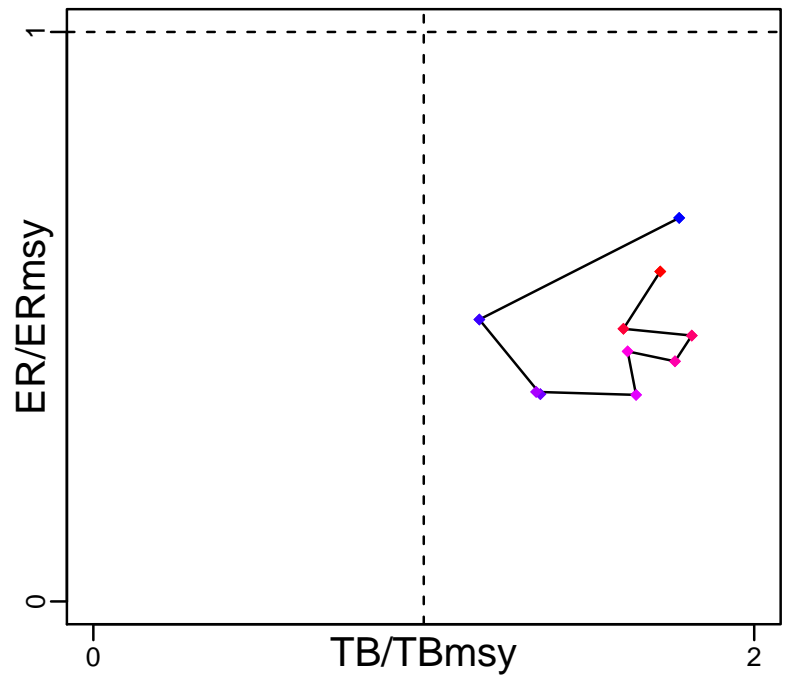
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	5390	-	-
SSB	SSB-MT	2015	1750	-	-
TN	-	-	-	-	-
R	R-E00	2015	8.58×10^8	-	-
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	1540		
TL	TL-MT	2015	1540		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	1.72		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.58		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

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

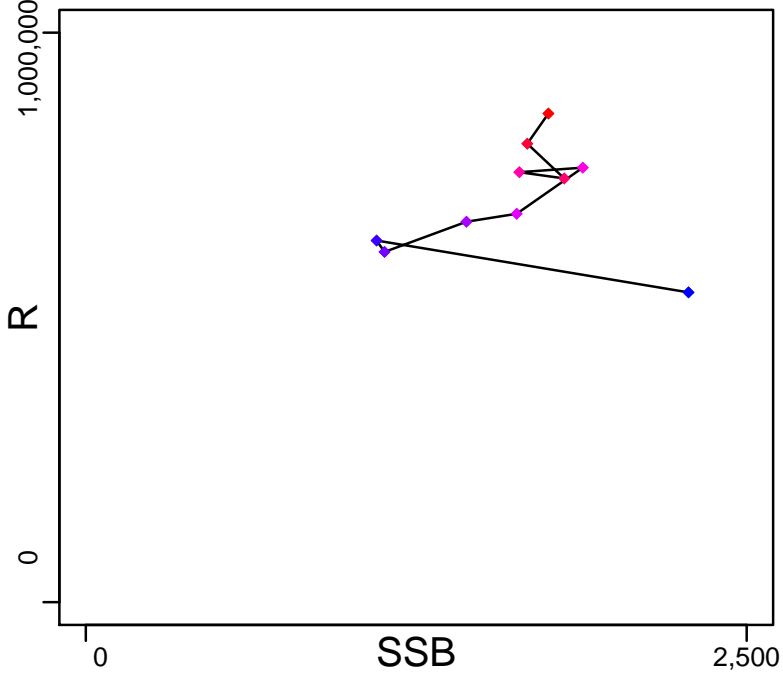
Kobe MSYpref (2006–2015–OSIO)



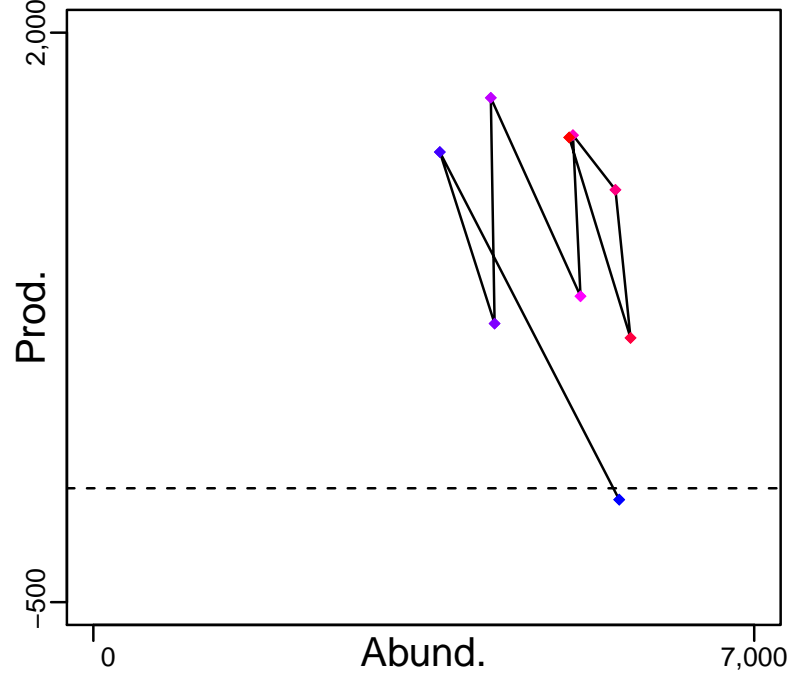
Kobe MGTpref (2006–2015–OSIO)



Spawner Recruit (2006–2015–OSIO)



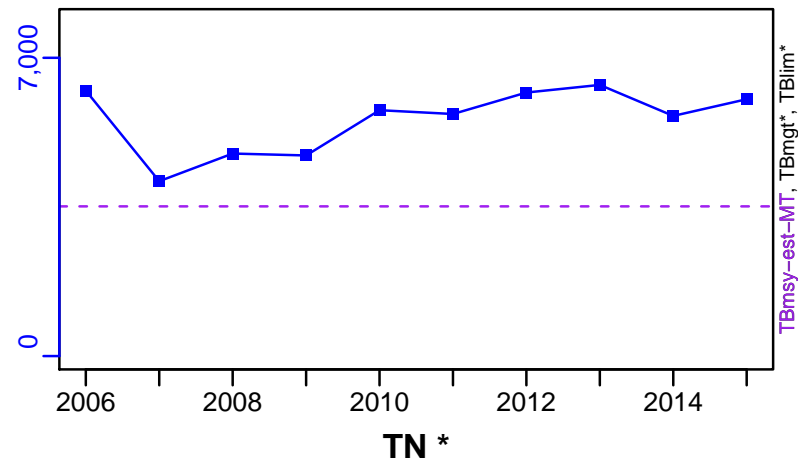
Production (2006–2015–OSIO)



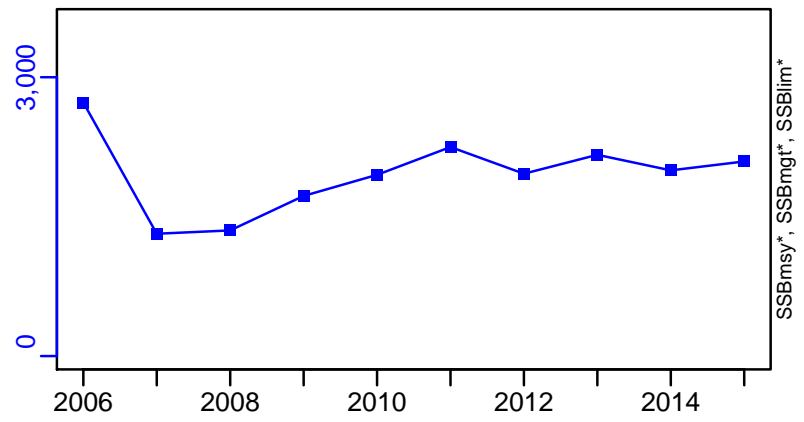
◆ Start Year ◆ End Year * No Data

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

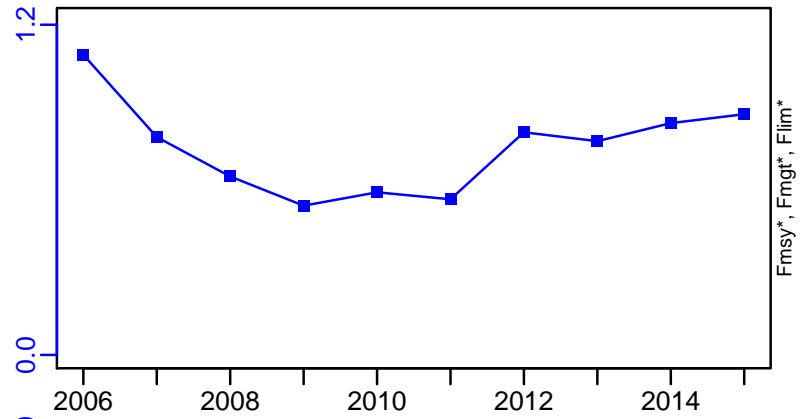
TB-MT (2006–2015–OSIO)



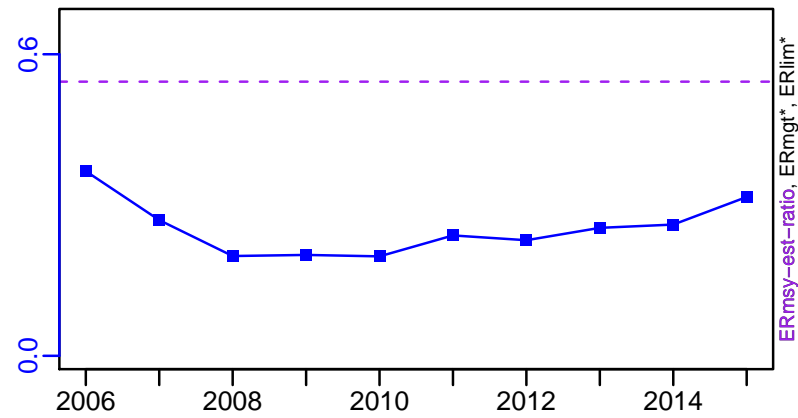
SSB-MT (2006–2015–OSIO)



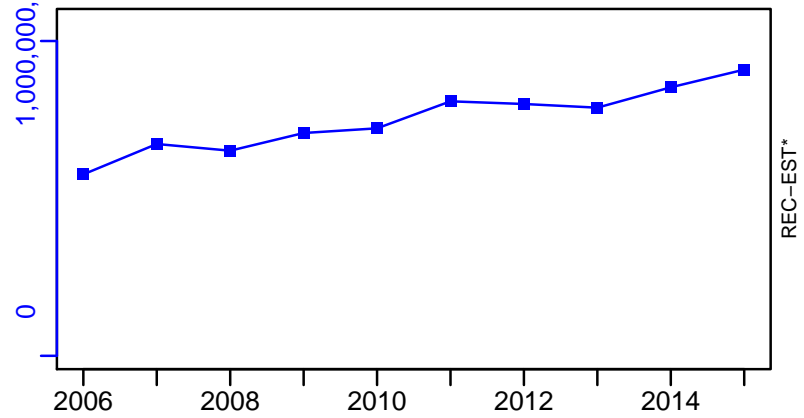
F-1/yr (2006–2015–OSIO)



ER-calc-ratio (2006–2015–OSIO)



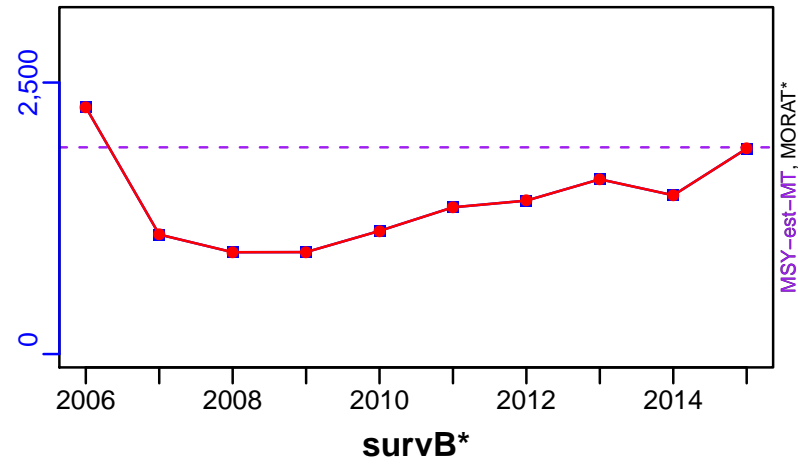
R-E00 (2006–2015–OSIO)



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

TC-MT, TL-MT, RecC* (2006–2015–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



Deep-water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

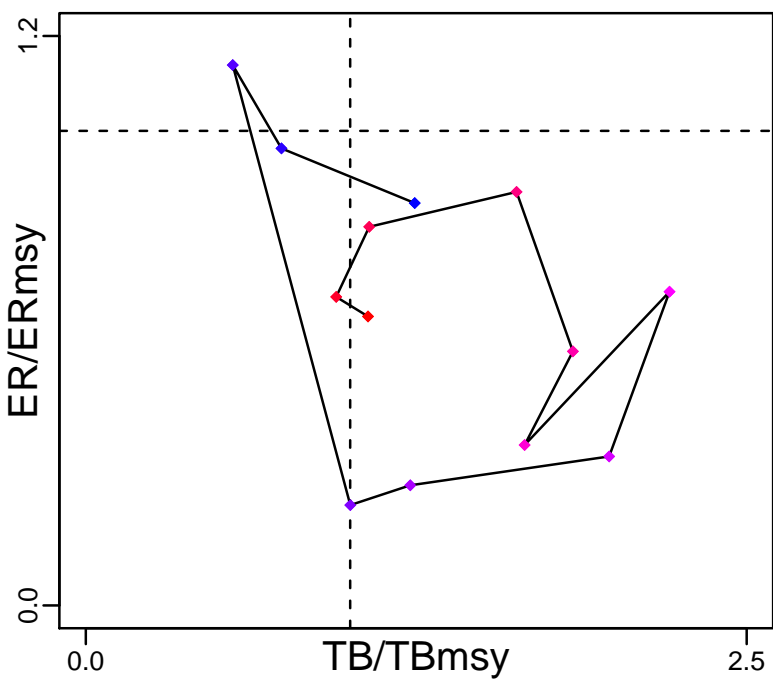
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA1-2003-2015-OSIO
Area	Northern Alboran Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	657
SSBmsy	SSBmsy-est-MT	2012	976
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2015	0.27
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	175
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

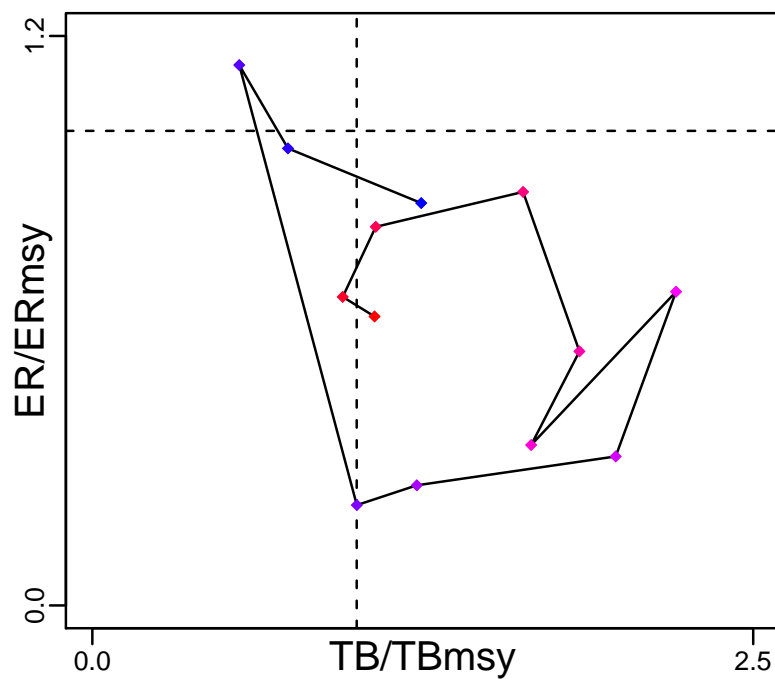
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	701	-	-
SSB	SSB-MT	2015	127	-	-
TN	-	-	-	-	-
R	R-E00	2015	2.9×10^8	-	-
F	F-1/yr	2015	1	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	114		
TL	TL-MT	2015	114		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	1.07		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2012	0.43		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.61		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	1.65		
ER/ERmgt	-	-	-		

Deep-water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

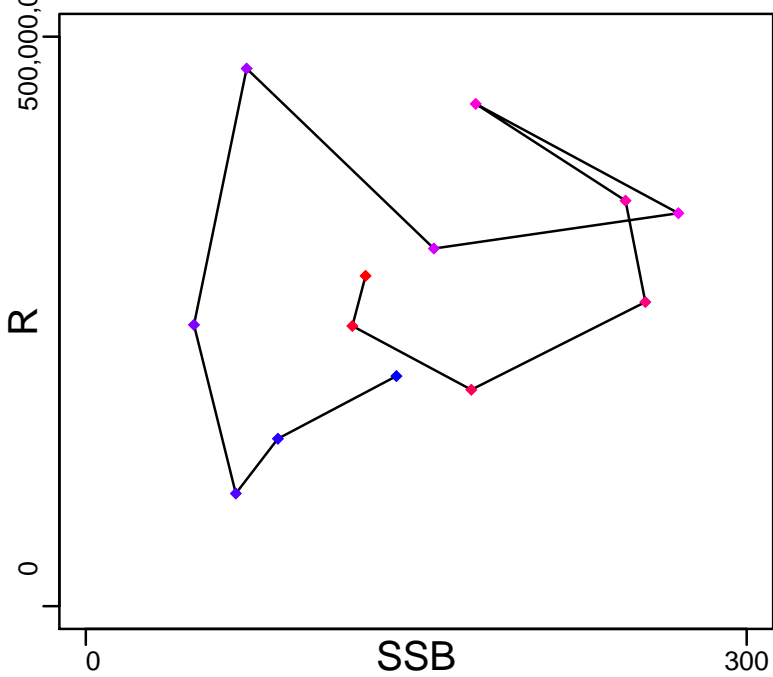
Kobe MSYpref (2003–2015–OSIO)



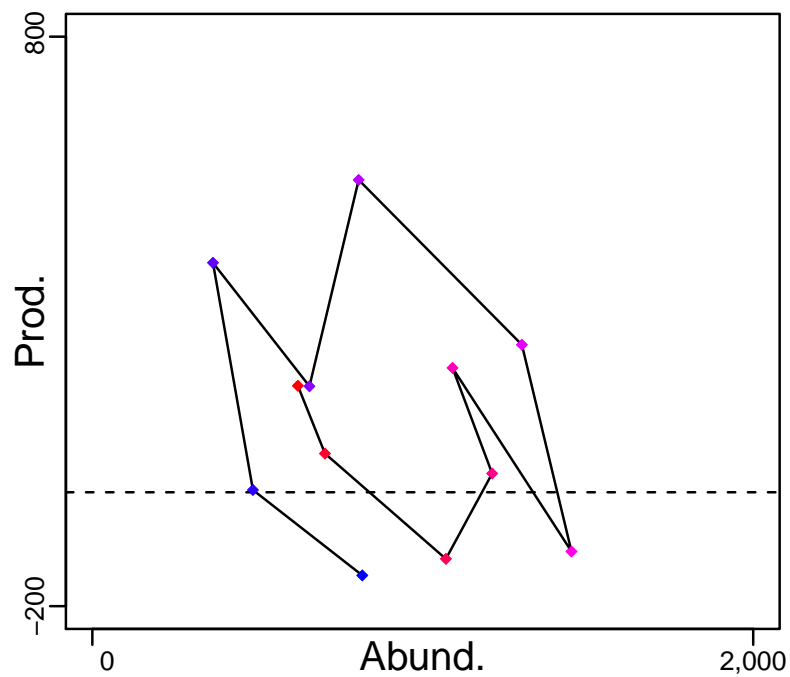
Kobe MGTpref (2003–2015–OSIO)



Spawner Recruit (2003–2015–OSIO)



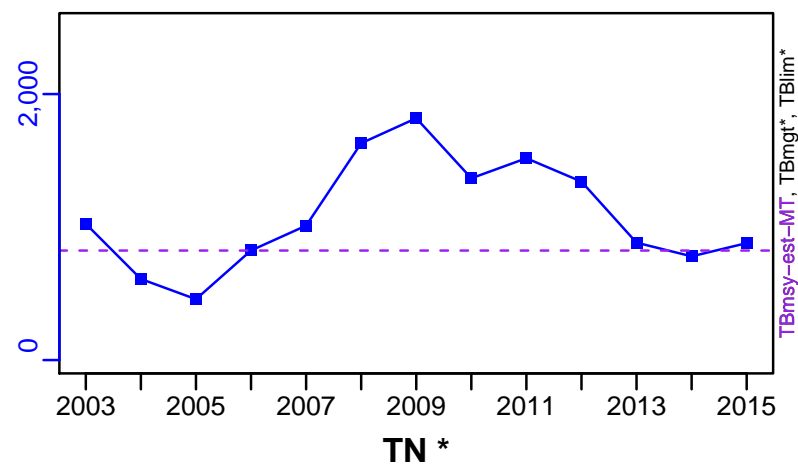
Production (2003–2015–OSIO)



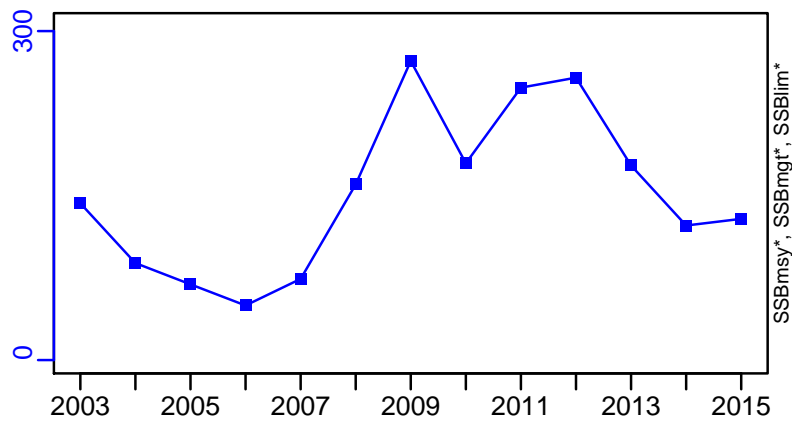
◆ Start Year ◆ End Year * No Data

Deep-water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

TB-MT (2003–2015–OSIO)



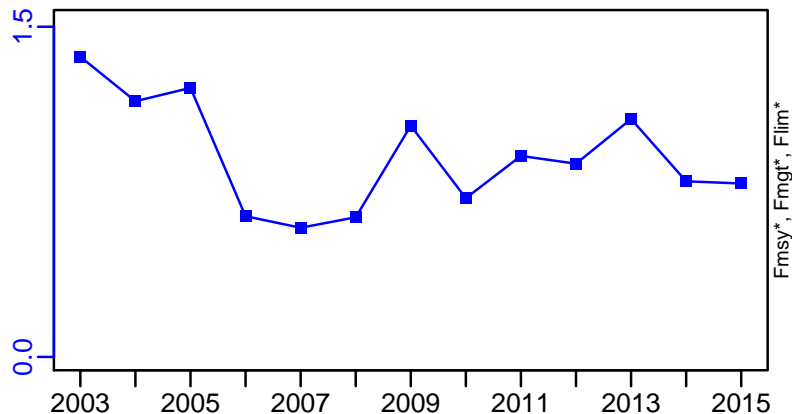
SSB-MT (2003–2015–OSIO)



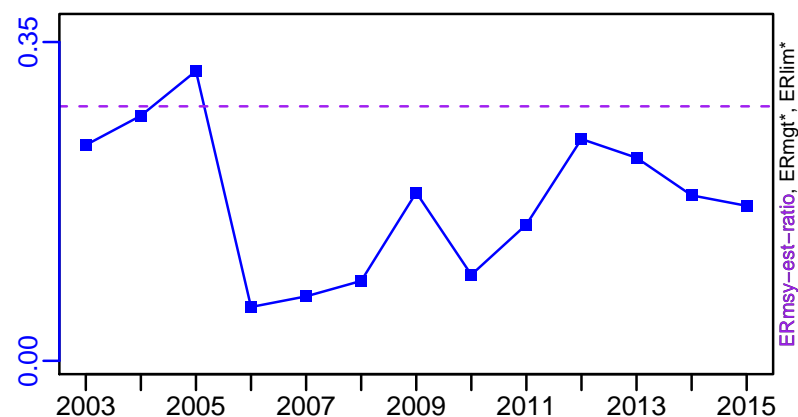
TN *



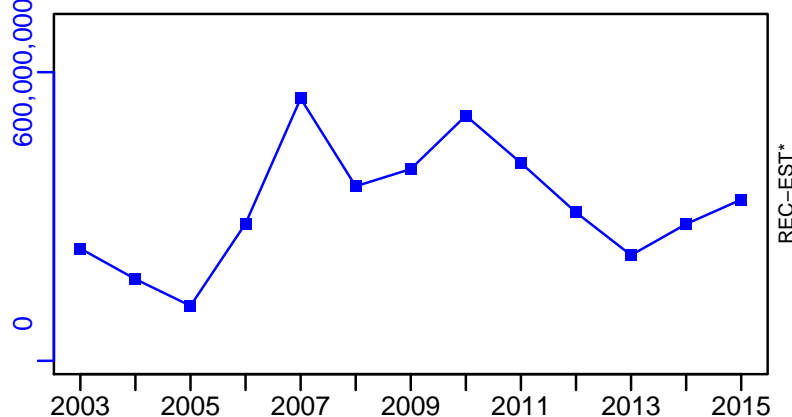
F-1/yr (2003–2015–OSIO)



ER-calc-ratio (2003–2015–OSIO)

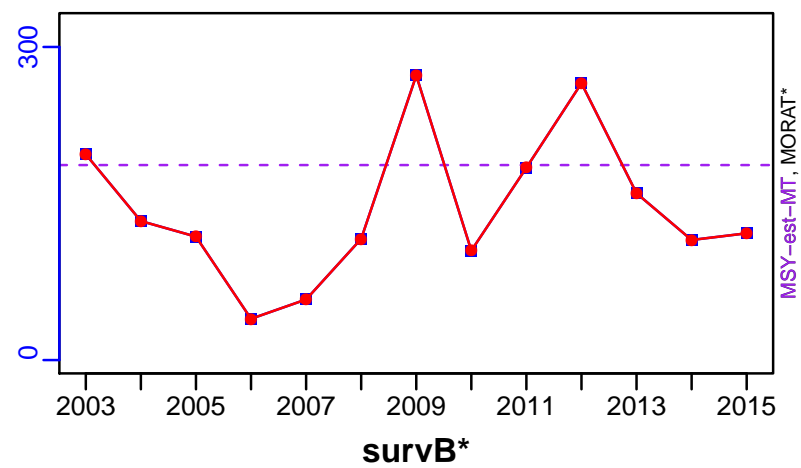


R-E00 (2003–2015–OSIO)

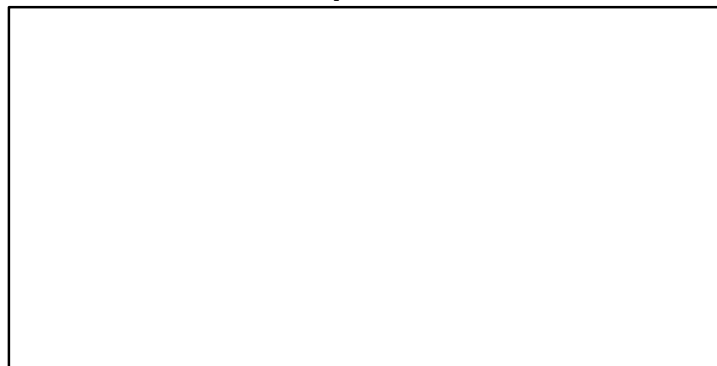


Deep-water rose shrimp Northern Alboran Sea [RSHRMPMEDGSA1]

TC-MT, TL-MT, RecC* (2003–2015–OSIO)



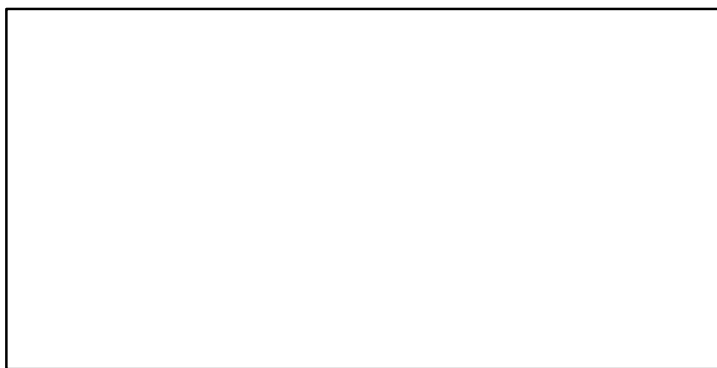
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*

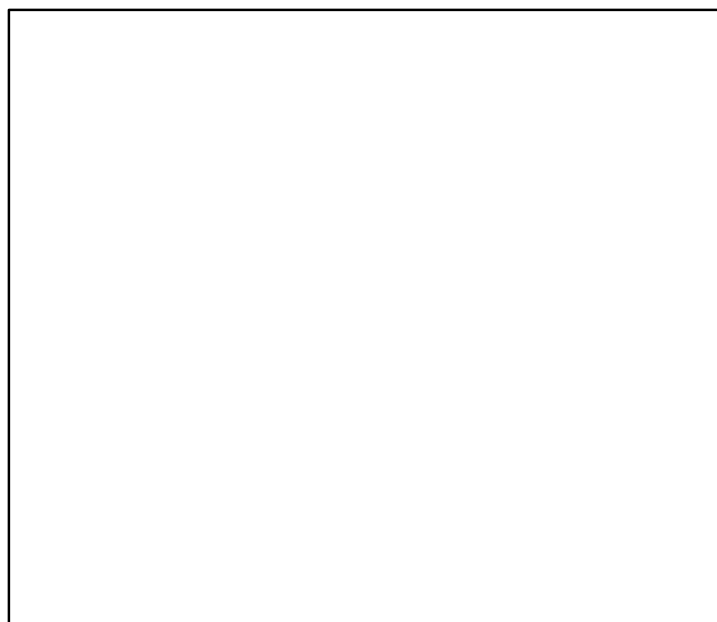
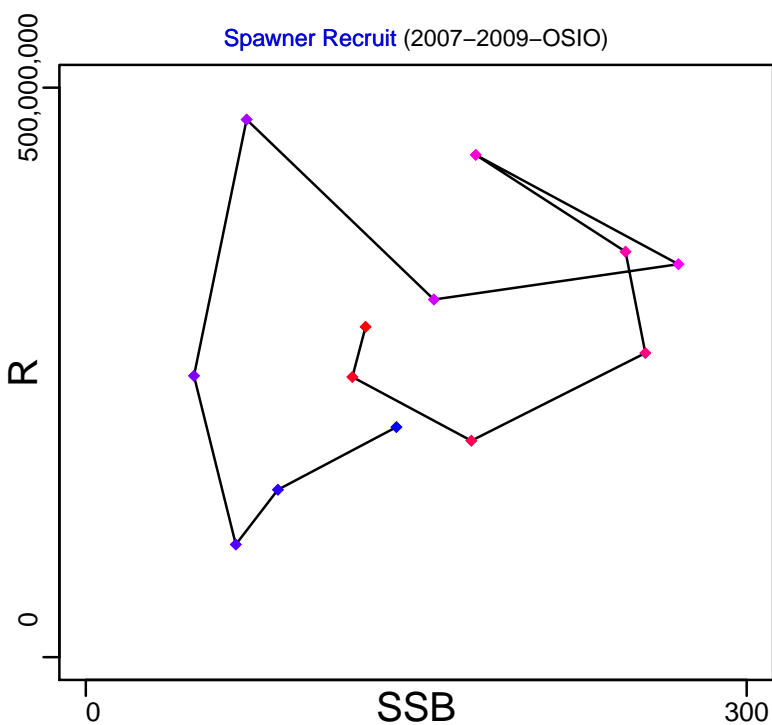


Deep-water Rose Shrimp GSA 12-16 [RSHRMPMEDGSA12-16]

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	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

**Kobe MGT*****Production***

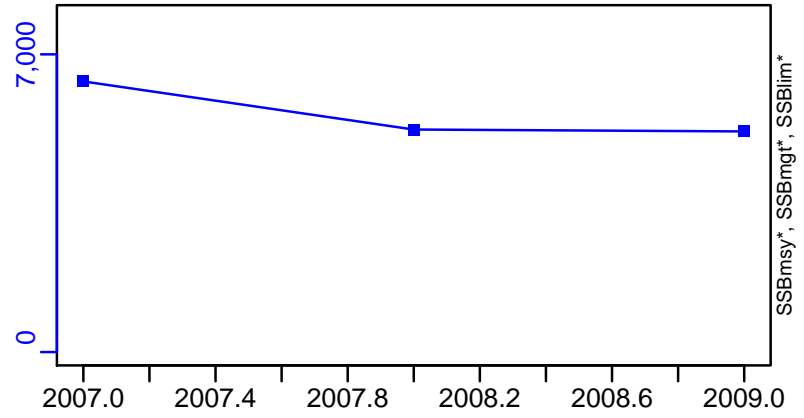
◆ Start Year ◆ End Year * No Data

Deep-water Rose Shrimp GSA 12-16 [RSHRMPMEDGSA12-16]

TB*



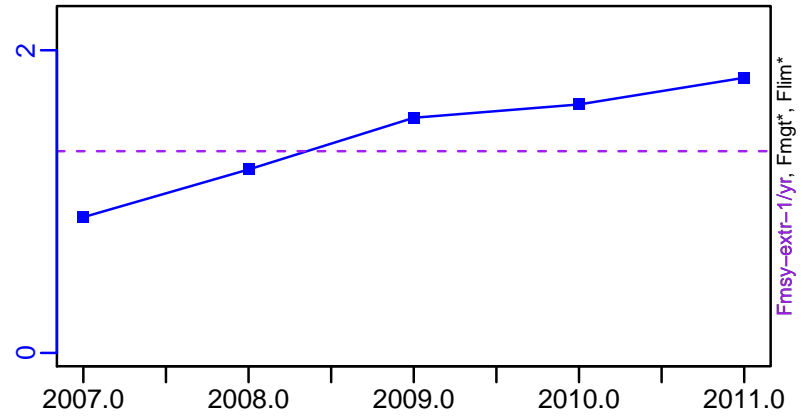
SSB-MT (2007-2009-OSIO)



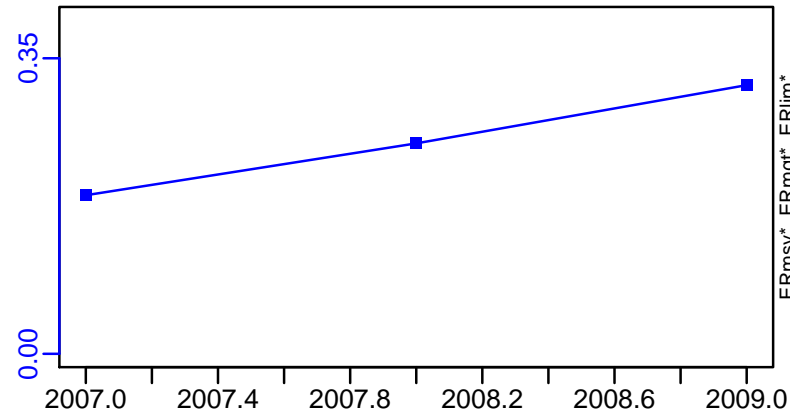
TN *



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



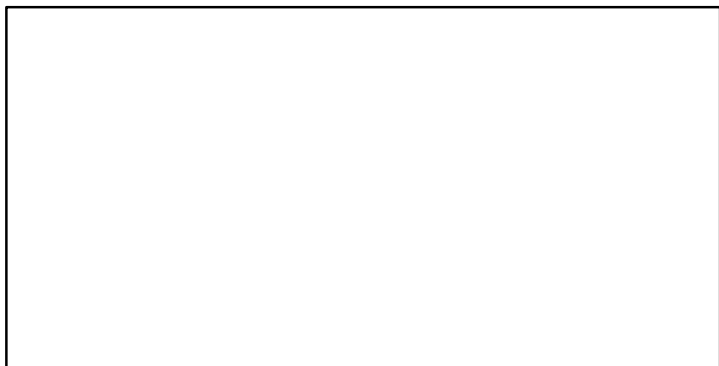
ER-calc-ratio (2007-2009-OSIO)



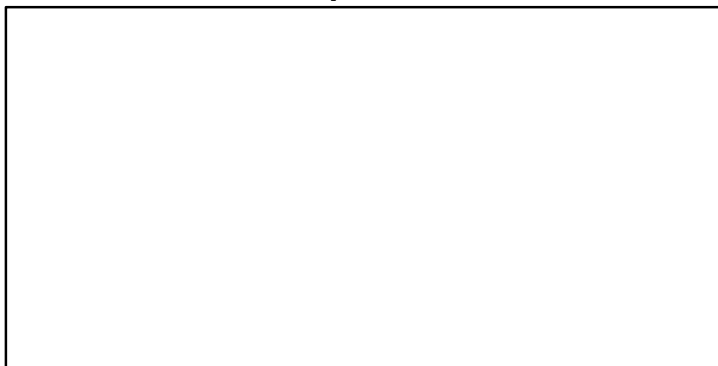
Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



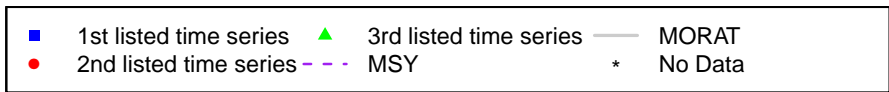
survB*



CPUE*



EFFORT*



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

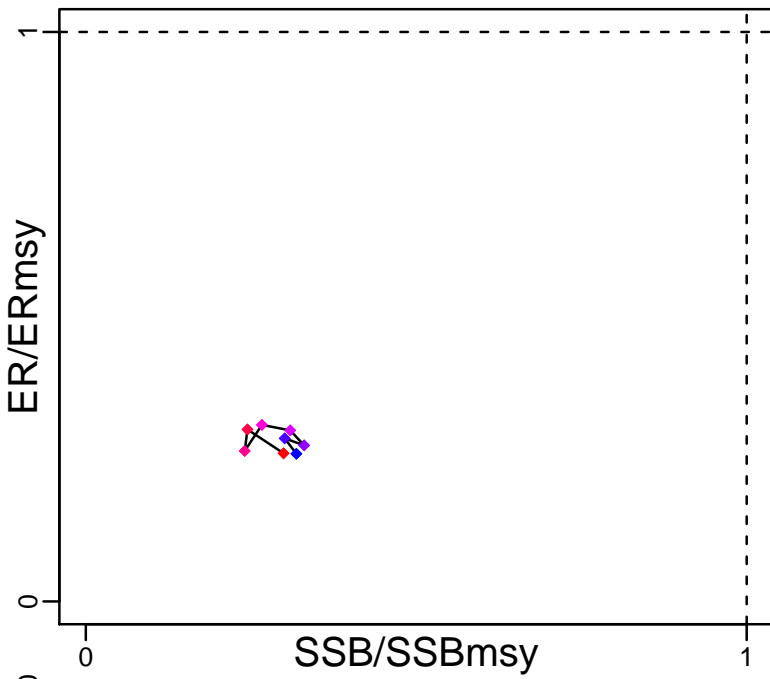
Metadata	
Scientific Name	Parapenaeus longirostris
Current Assess ID	STECF-RSHRMPMEDGSA17-19-2007-2014-OSIO
Area	Geographical Sub-Areas 17-19
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	11,896
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.34
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.69
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	25,180
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

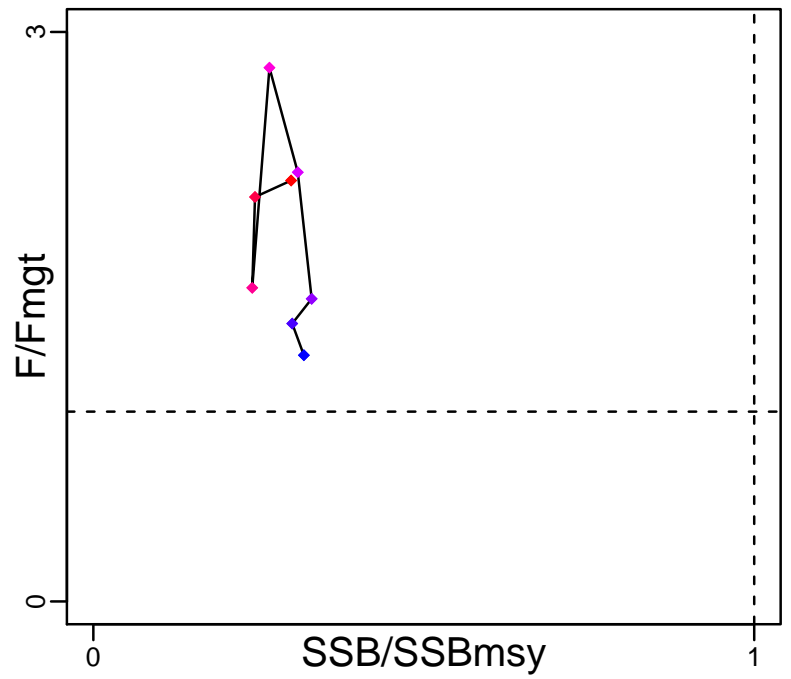
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.26		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

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

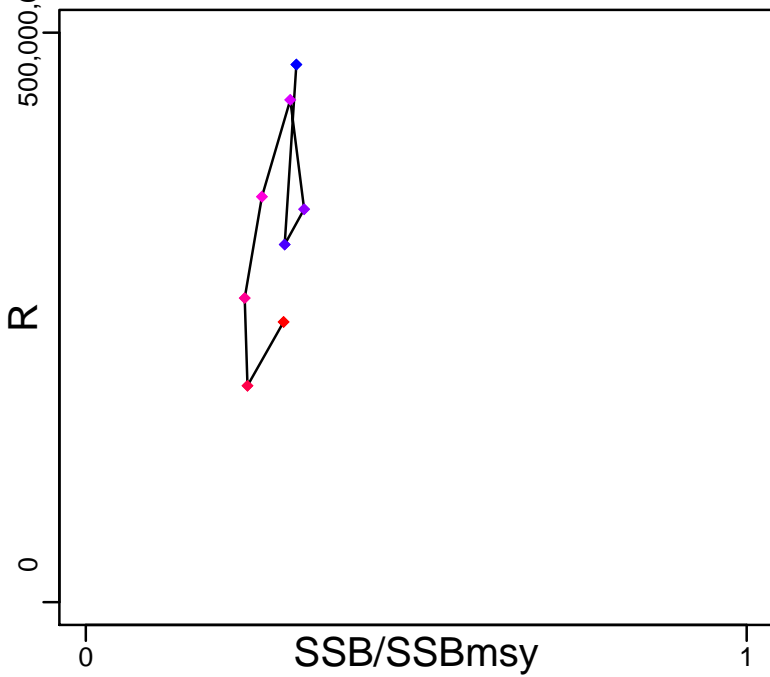
Kobe MSYpref (2007–2014–OSIO)



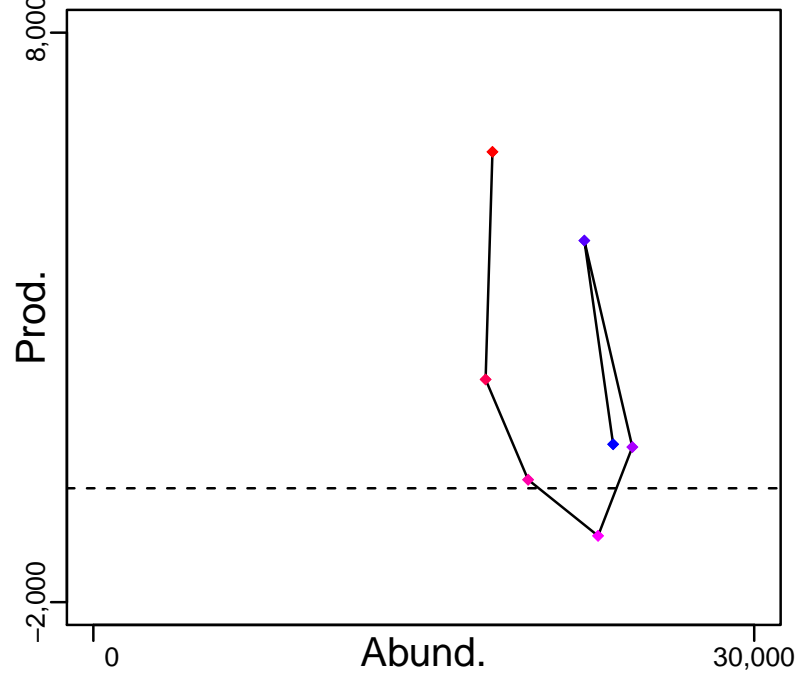
Kobe MGTpref (2007–2014–OSIO)



Spawner Recruit (2007–2014–OSIO)



Production (2007–2014–OSIO)



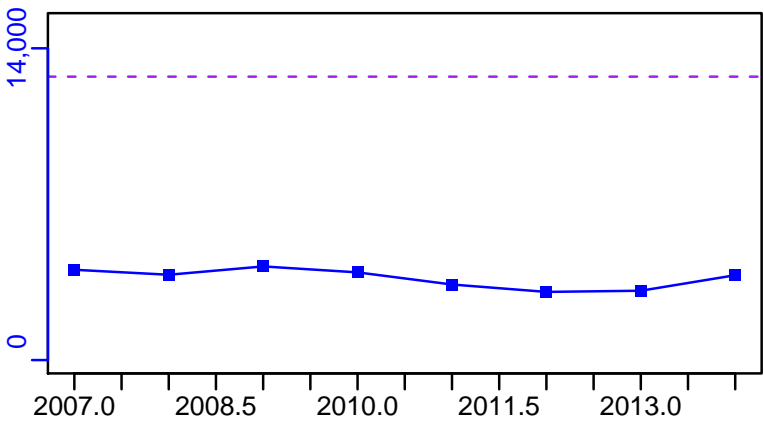
◆ Start Year ◆ End Year * No Data

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

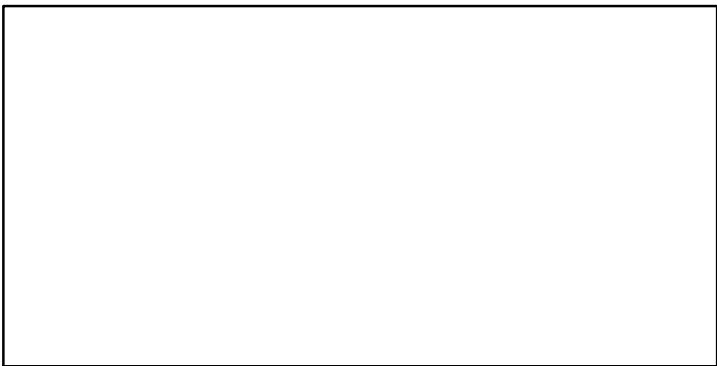
TB*



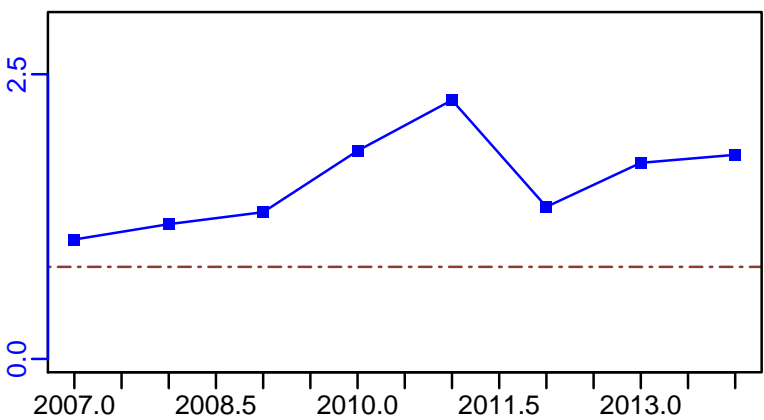
SSB-MT (2007-2014-OSIO)



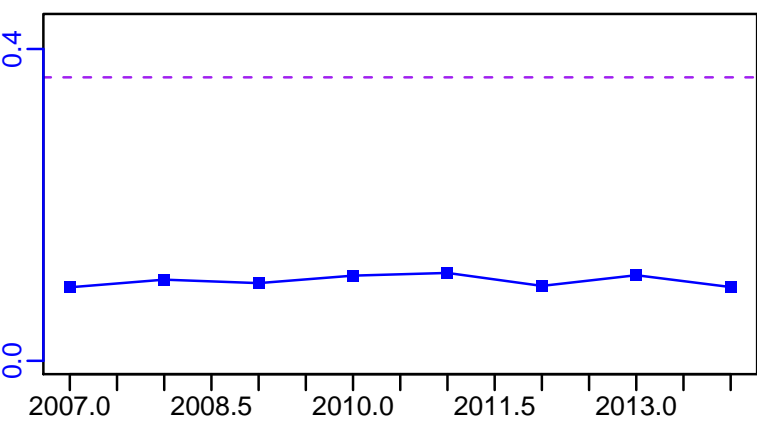
TN *



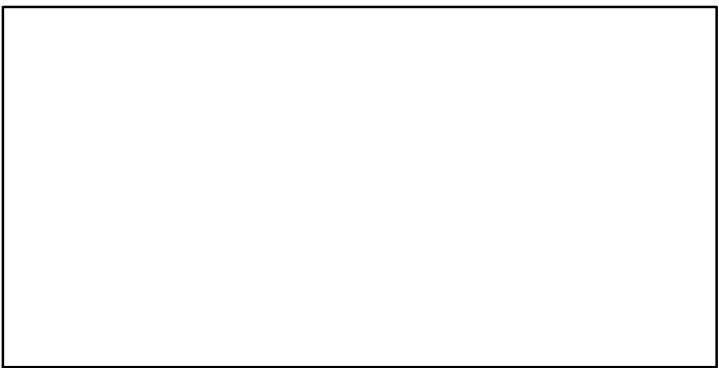
F-1/yr (2007-2014-OSIO)



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



Recruits*



TC*, TL*, RecC*



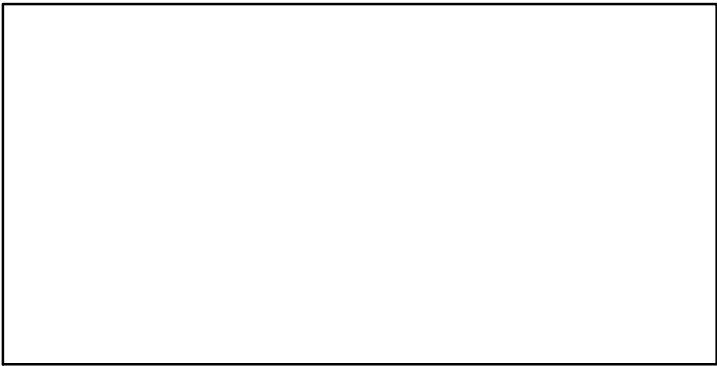
TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

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	1	-	-
ER	ER-calc-ratio	2012	0	-	-
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	1.1		
ER/ERmgt	-	-	-		

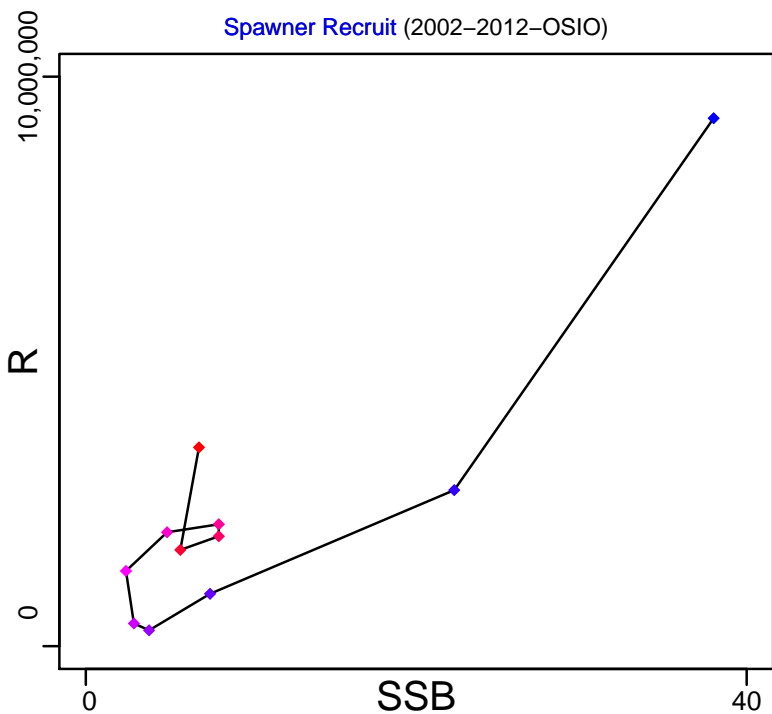
Kobe MSY*



Kobe MGT*



Spawner Recruit (2002–2012–OSIO)

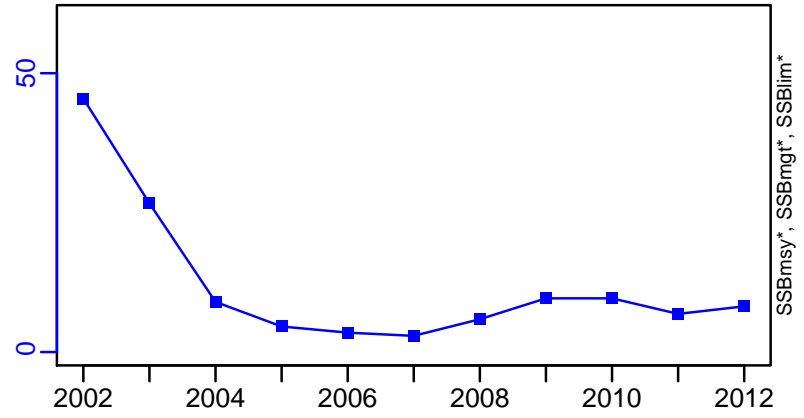


Deep-water rose shrimp Balearic Island [RSHRMPMEDGSA5]

TB*



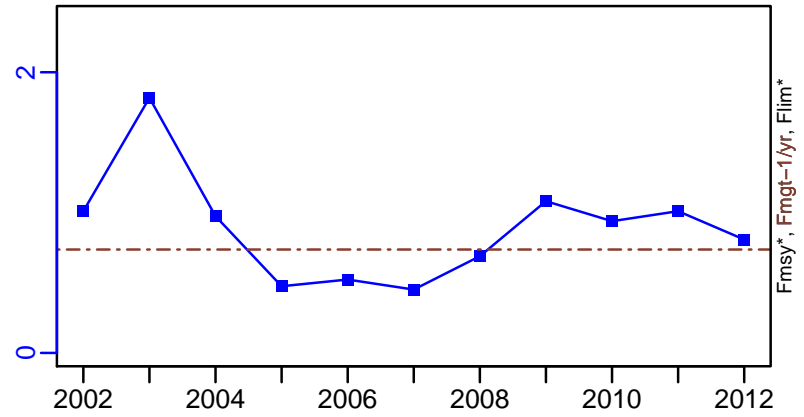
SSB-MT (2002-2012-OSIO)



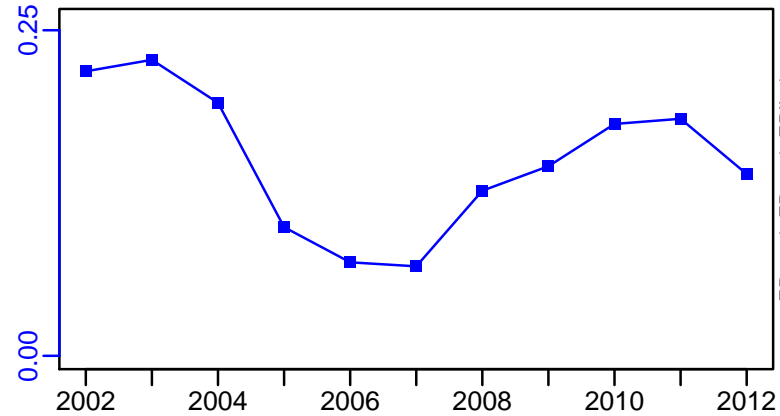
TN *



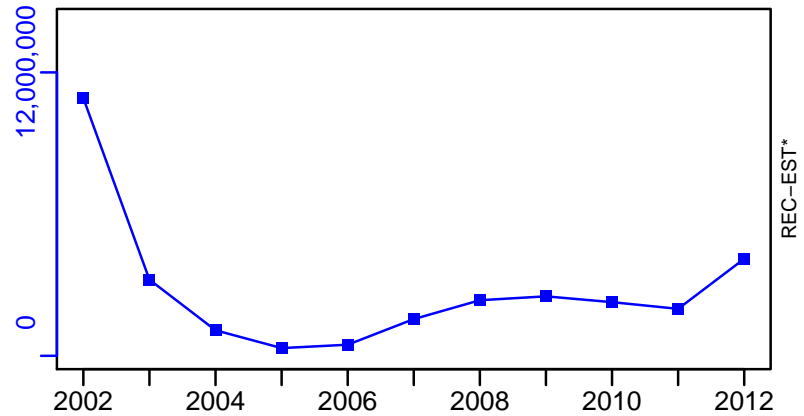
F-1/yr (2002-2012-OSIO)



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



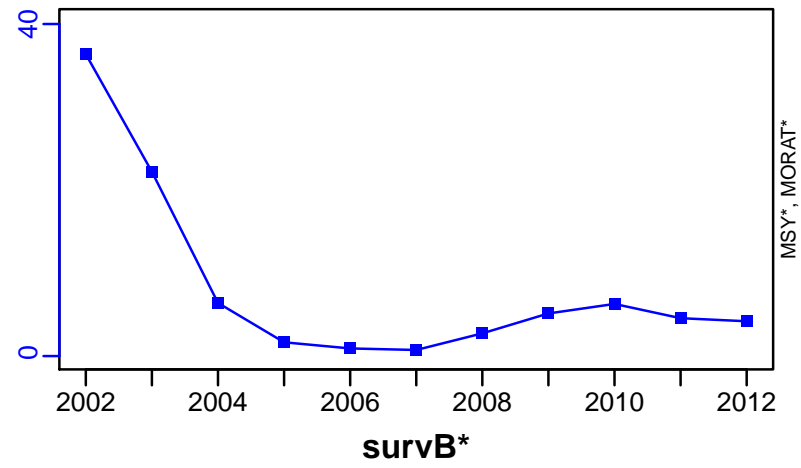
R-E00 (2002-2012-OSIO)



Deep-water rose shrimp Balearic Island [RSHRMPMEDGSA5]

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

TAC*, Cpair*, Cadv*



EFFORT*



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	-	-	-		

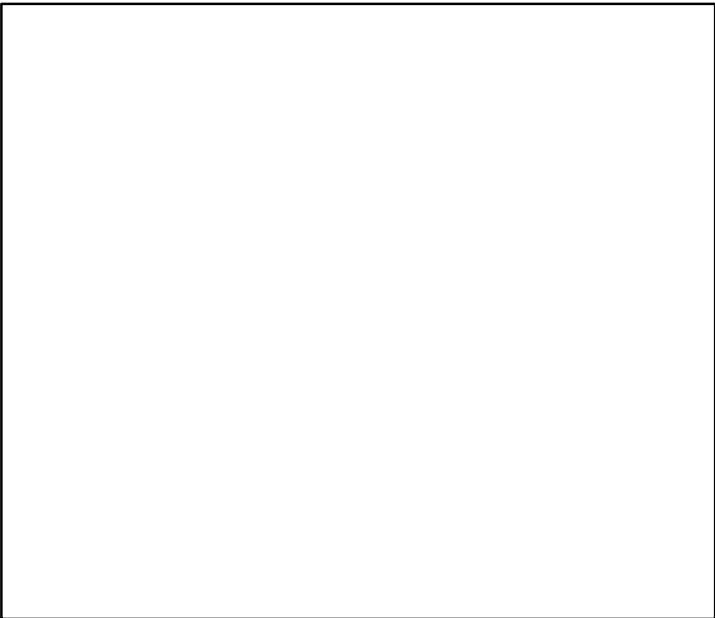
Kobe MSY*



Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



SSB*



TN *



F*



ER*

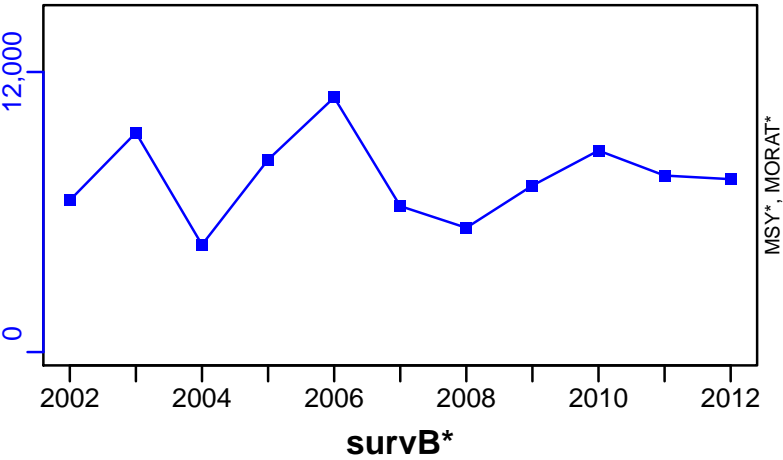


Recruits*



European pilchard Northern Alboran Sea [SARDMEDGSA1]

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



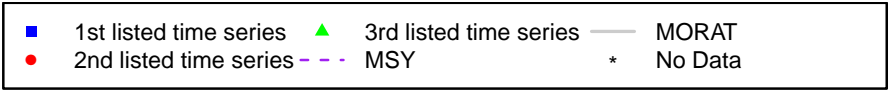
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sardine South of Sicily [SARDMEDGSA16]

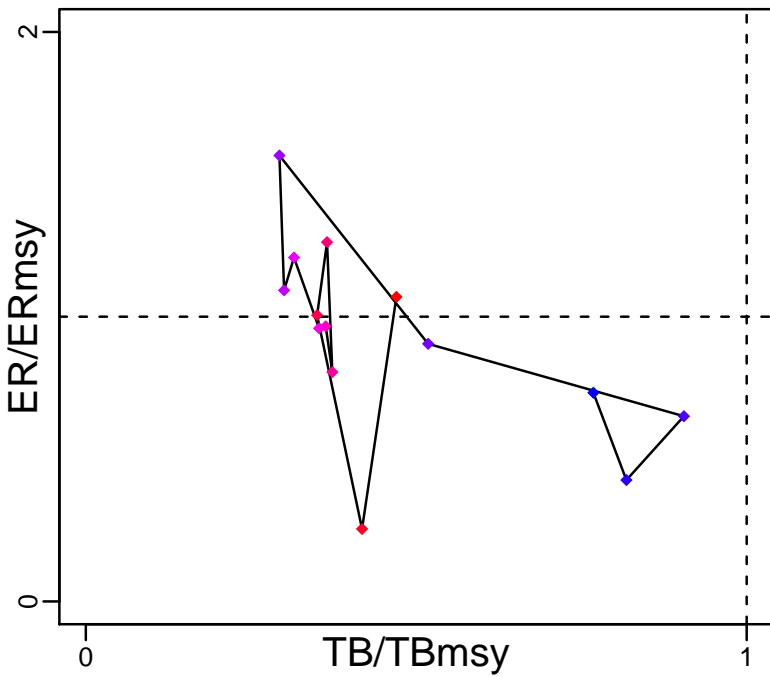
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	CNR-IAMC-SARDMEDGSA16-1998-2011-BANOBI
Area	South of Sicily
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Institute for Coastal Marine Environment of the National Research Council
Asmts in RAM	2011

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	0.16
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2011	5307
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

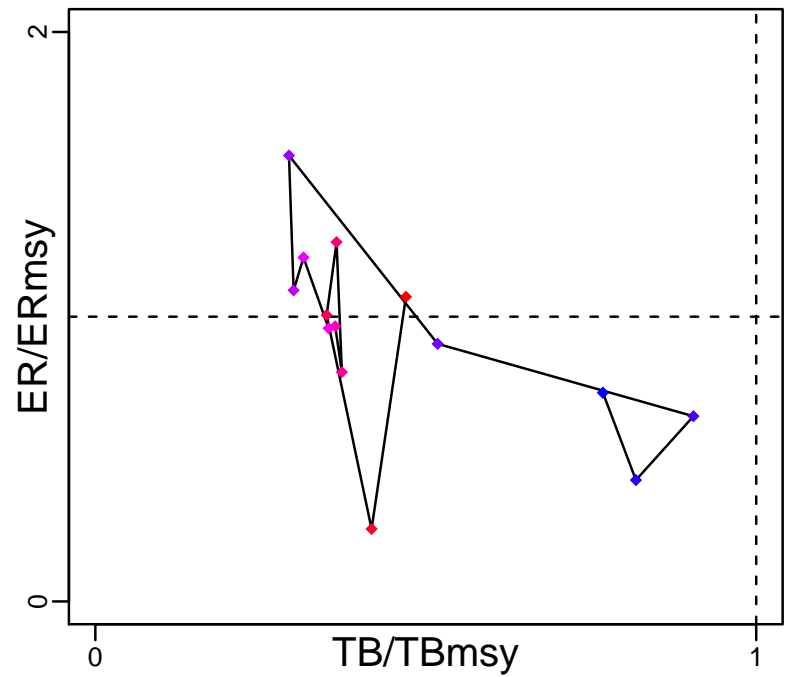
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2011	15,300	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	0	-	-
ER	ER-calc-ratio	2011	0	-	-
TC	TC-MT	2011	2670		
TL	TL-MT	2011	1780		
TB/TBmsy	TBdivTBmsy-dimensionless	2011	0.47		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2011	1.07		
ER/ERmsy	ER-calc-ratio/ERmsy-calc-ratio	2011	1.07		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Sardine South of Sicily [SARDMEDGSA16]

Kobe MSYpref (1998–2011–BANOB1)



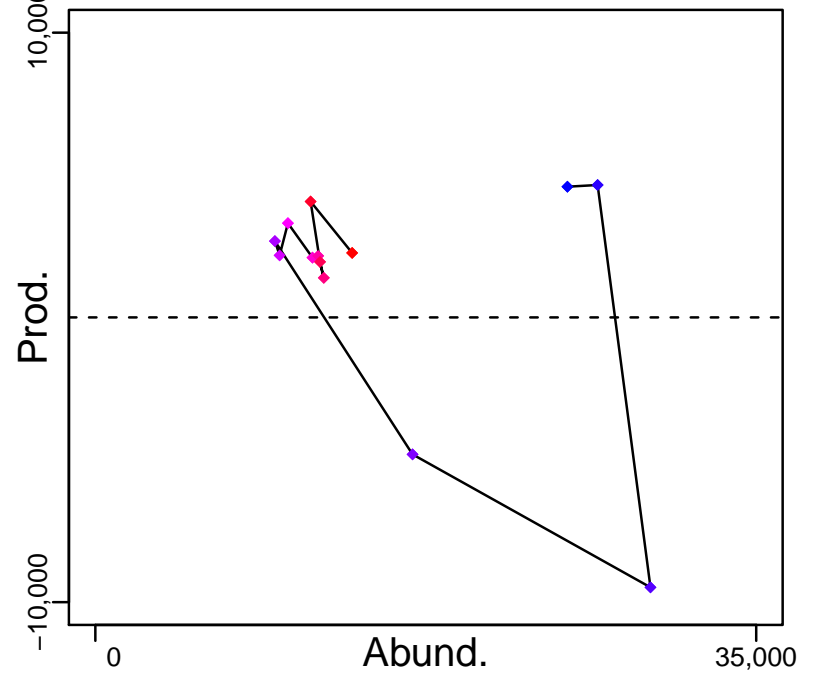
Kobe MGTpref (1998–2011–BANOB1)



Spawner Recruit*



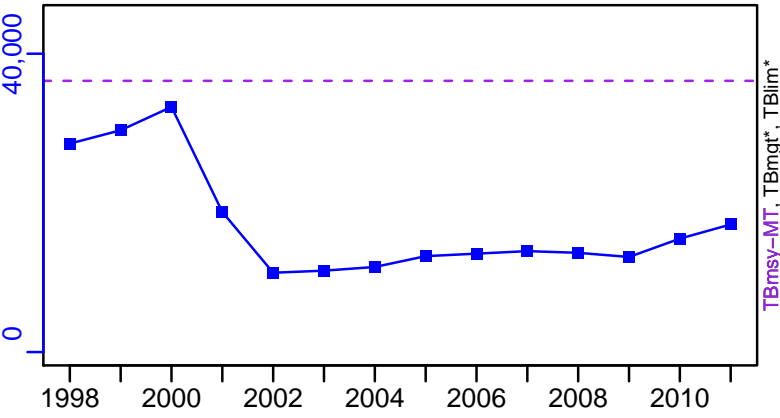
Production (1998–2011–BANOB1)



◆ Start Year ◆ End Year * No Data

Sardine South of Sicily [SARDMEDGSA16]

TB-MT (1998–2011–BANOB1)



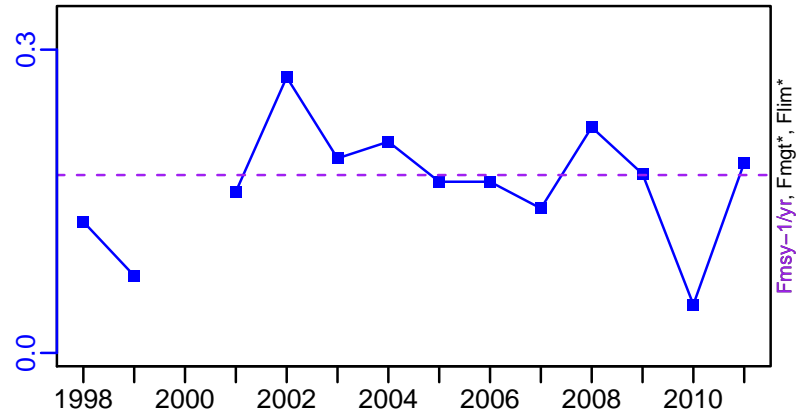
SSB*



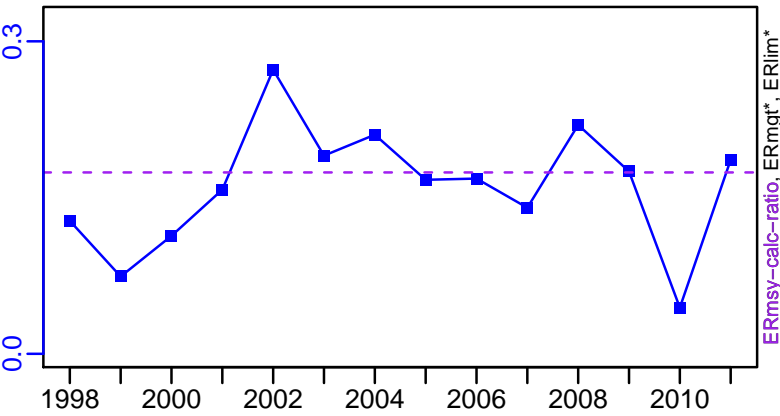
TN *



F-1/yr (1998–2011–BANOB1)



ER-calc-ratio (1998–2011–BANOB1)

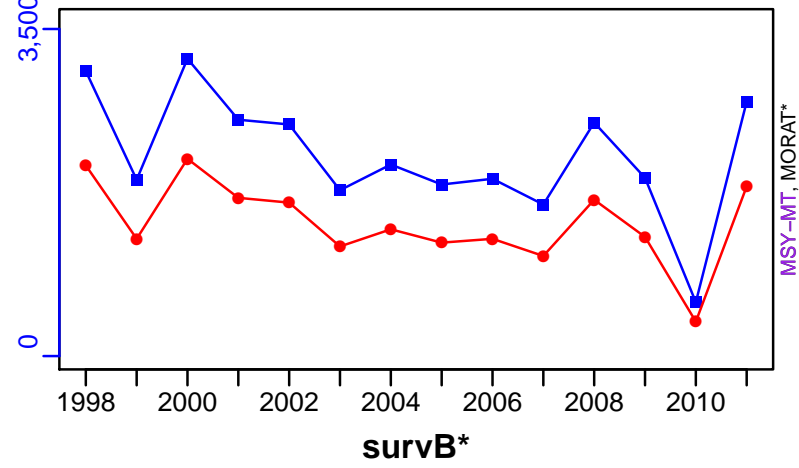


Recruits*

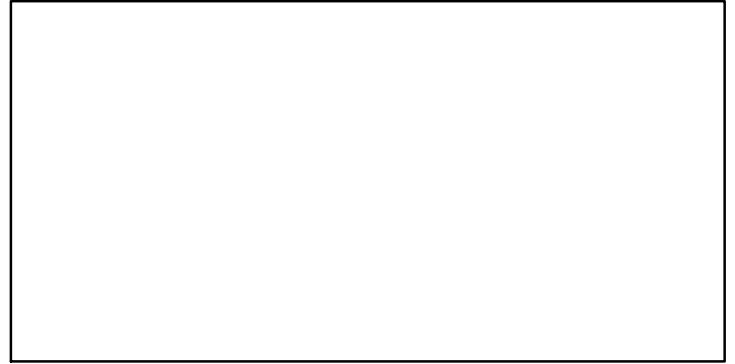


Sardine South of Sicily [SARDMEDGSA16]

TC-MT, TL-MT, RecC* (1998–2011–BANOB)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

European pilchard Adriatic Sea [SARDMEDGSA17-18]

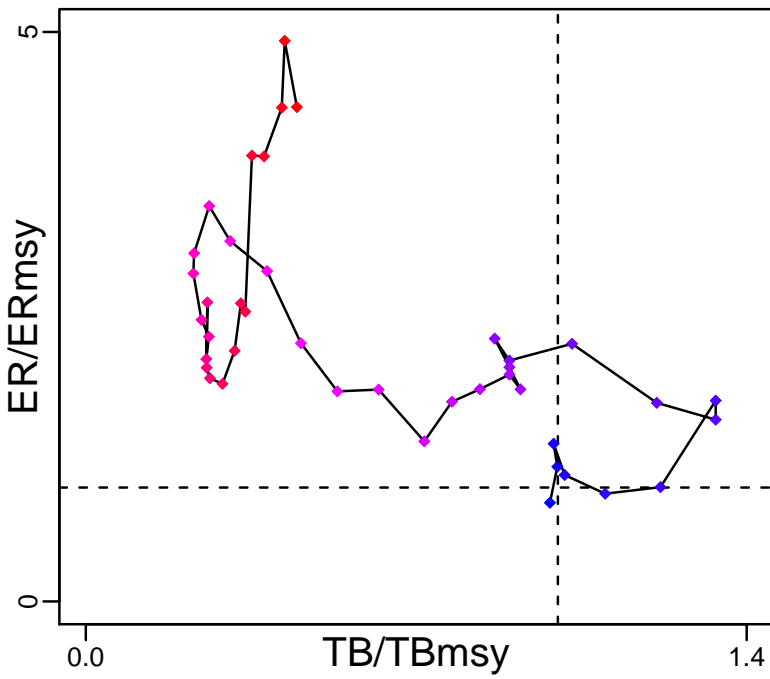
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA17-18-1975-2015-OSIO
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	1,281,535
SSBmsy	SSBmsy-est-MT	2013	582,643
Fmsy	Fmsy-1/yr	2015	0.4
ERmsy	ERmsy-est-ratio	2015	0.03
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	39,779
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

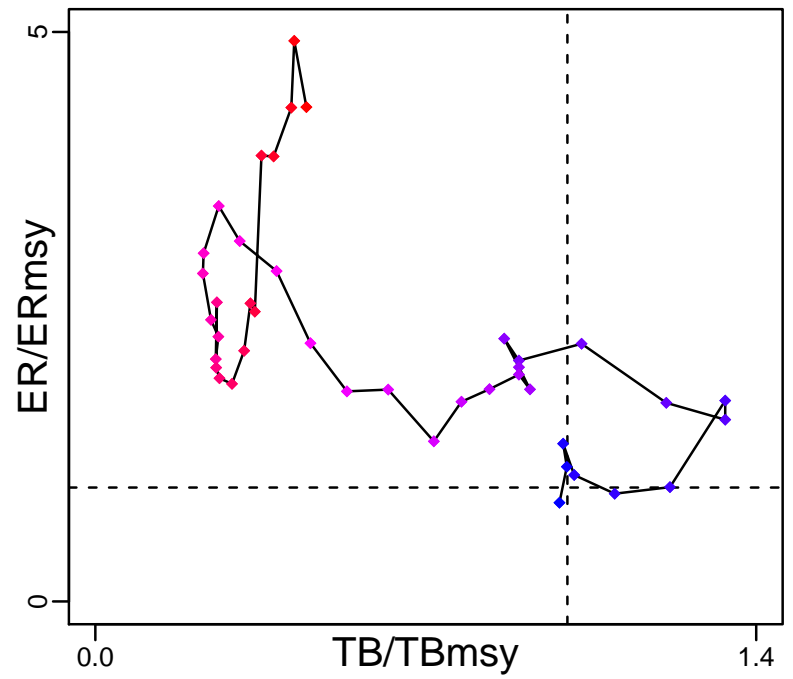
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	0.45		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	4.34		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

European pilchard Adriatic Sea [SARDMEDGSA17-18]

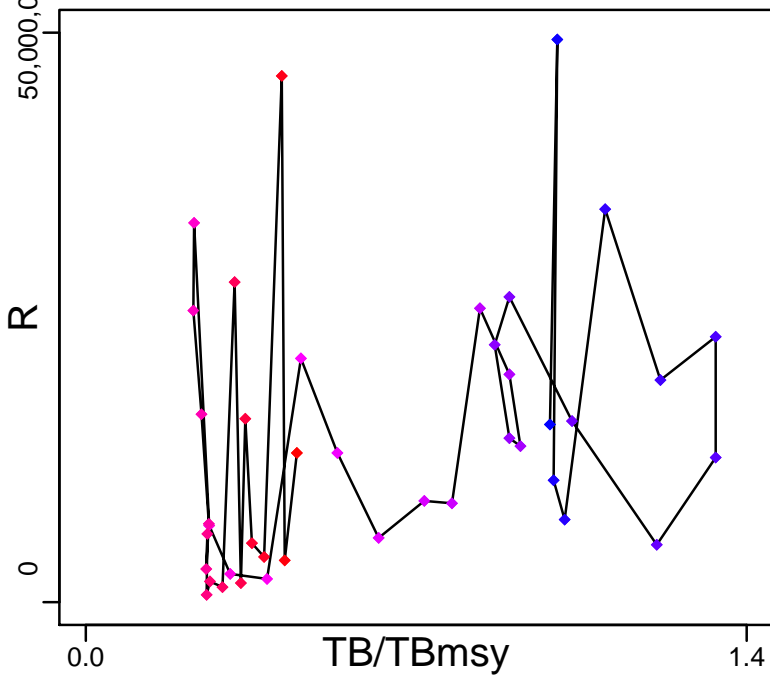
Kobe MSYpref (1975-2015-OSIO)



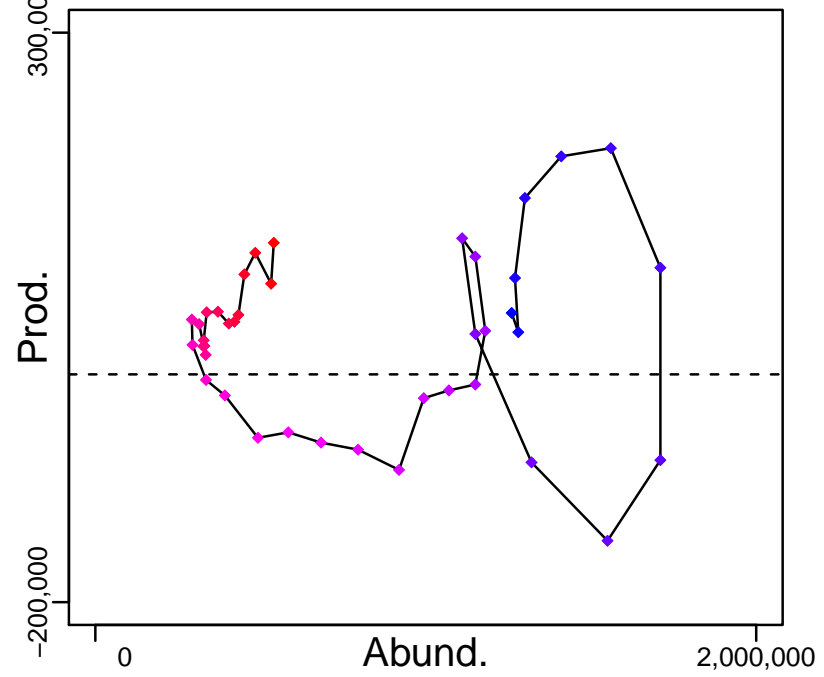
Kobe MGTpref (1975-2015-OSIO)



Spawner Recruit (1975-2015-OSIO)



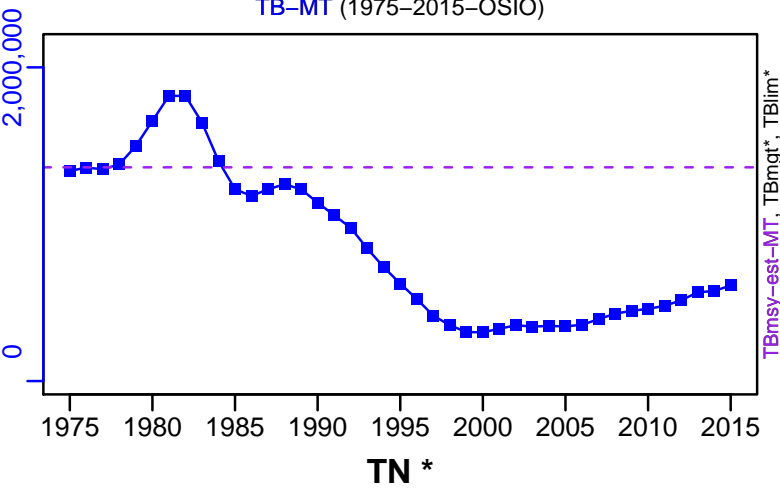
Production (1975-2015-OSIO)



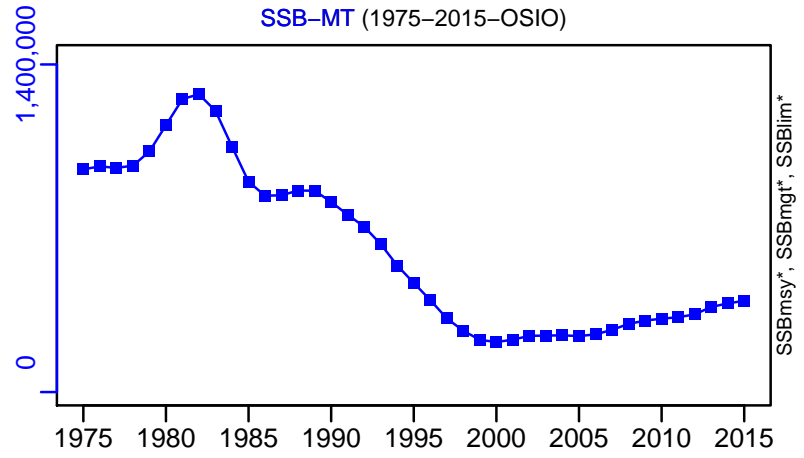
◆ Start Year ◆ End Year * No Data

European pilchard Adriatic Sea [SARDMEDGSA17-18]

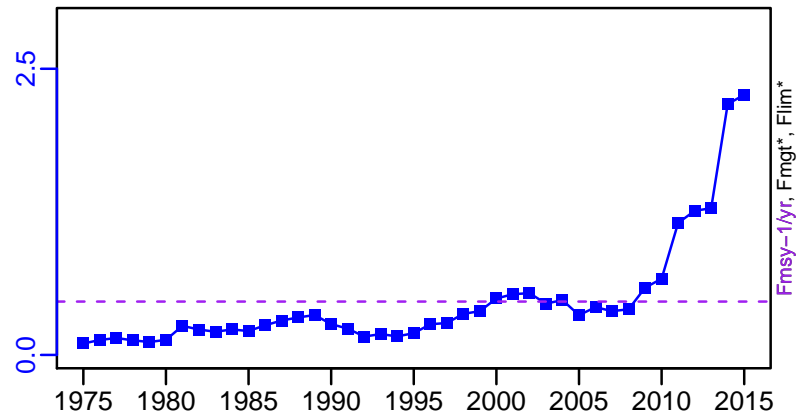
TB-MT (1975-2015-OSIO)



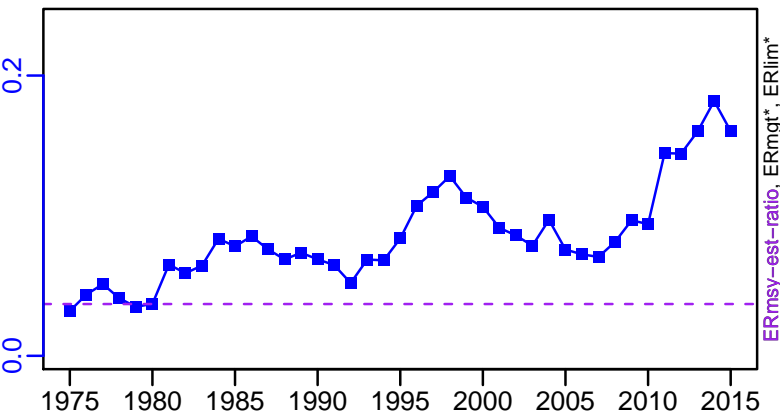
SSB-MT (1975-2015-OSIO)



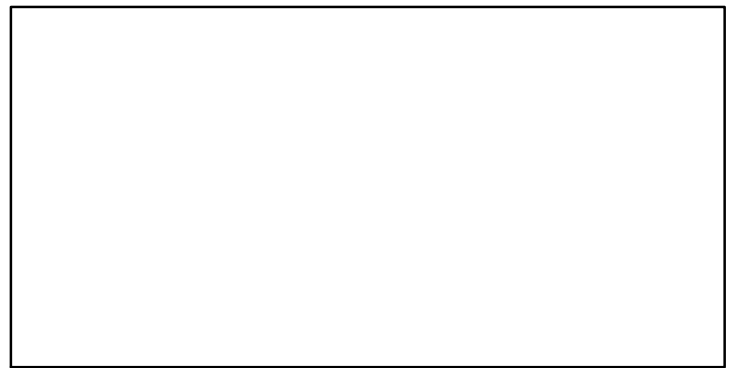
F-1/yr (1975-2015-OSIO)



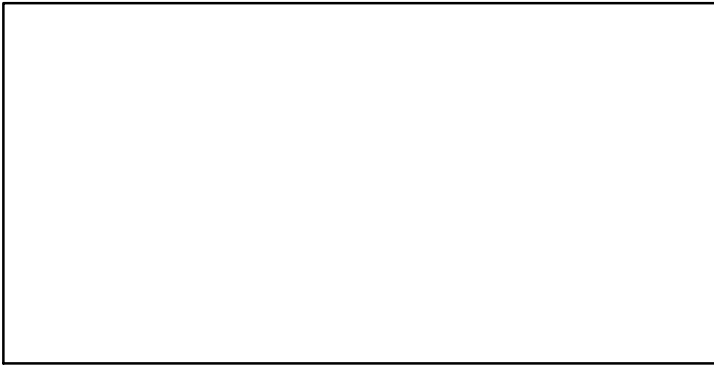
ER-calc-ratio (1975-2015-OSIO)



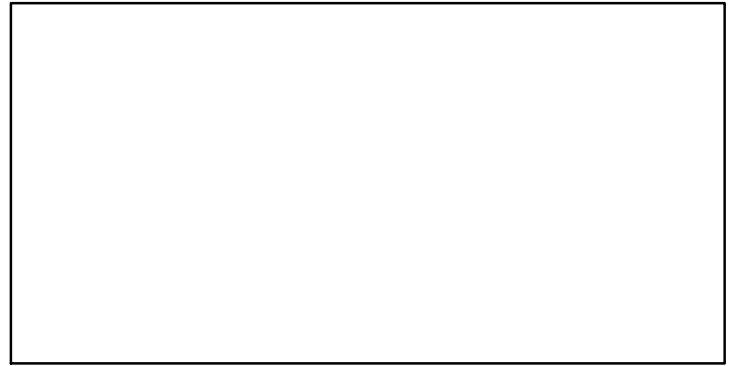
Recruits*



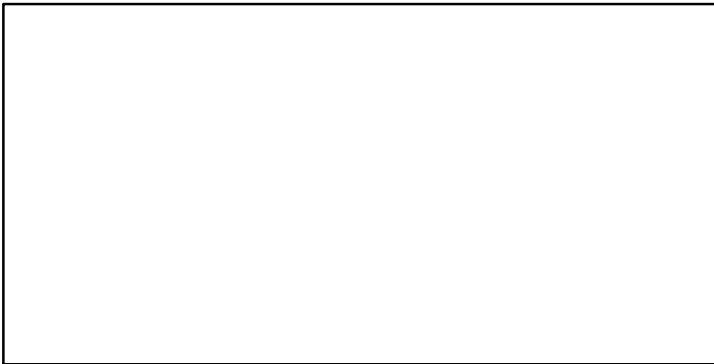
TC*, TL*, RecC*



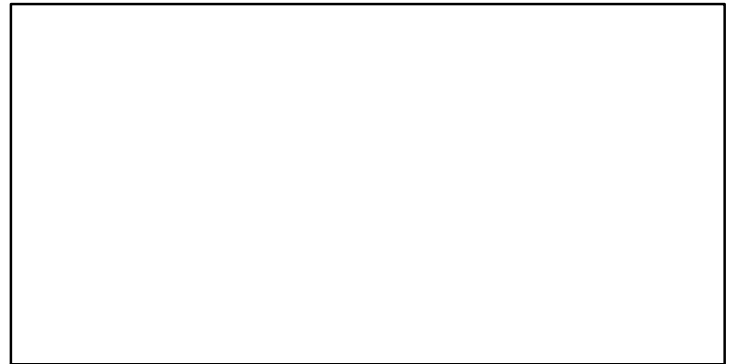
TAC*, Cpair*, Cadv*



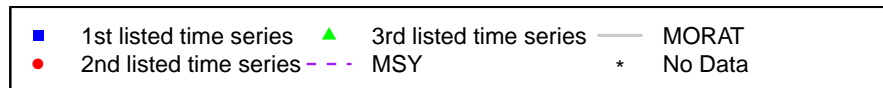
survB*



CPUE*



EFFORT*



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	1	-	-
ER	ER-calc-ratio	2008	0	-	-
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]

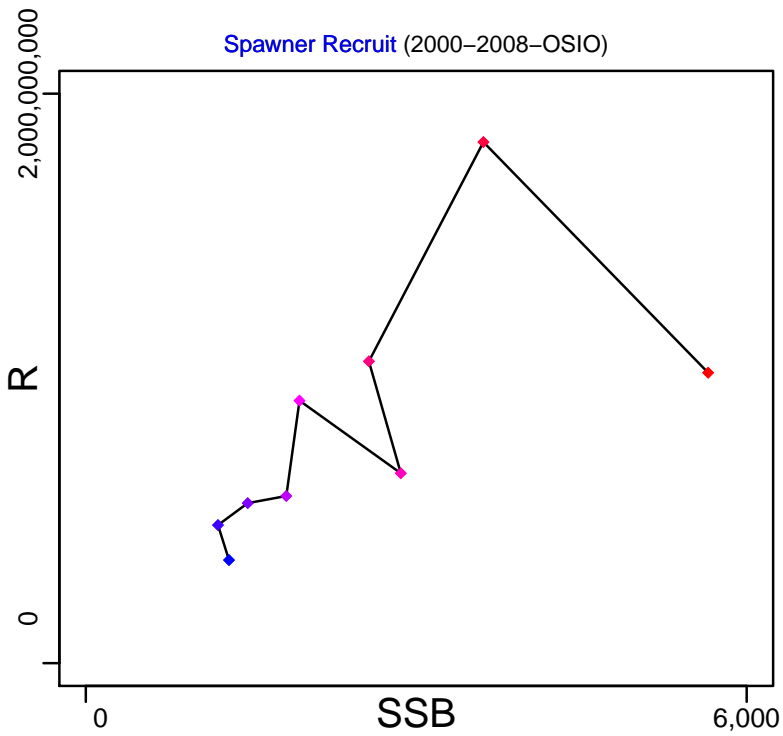
Kobe MSY*



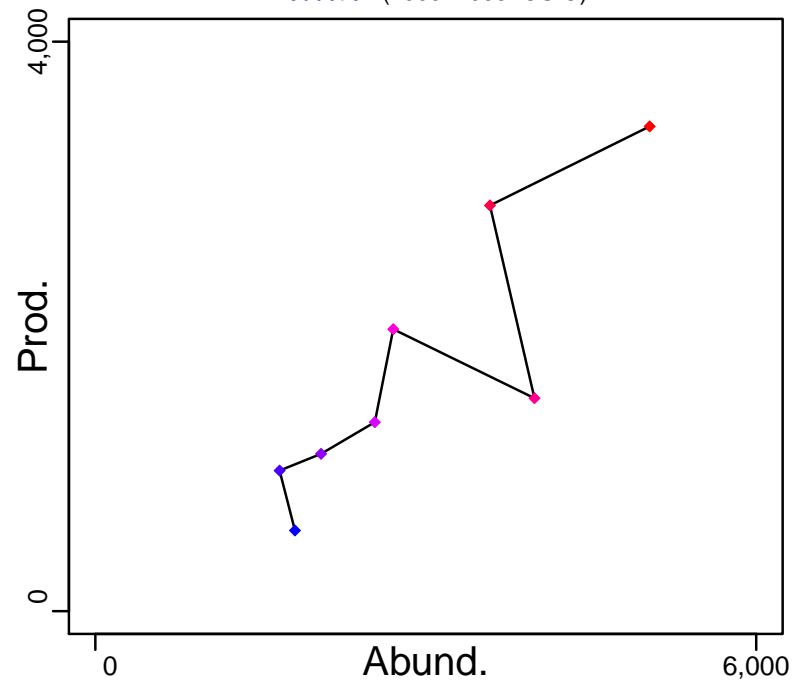
Kobe MGT*



Spawner Recruit (2000–2008–OSIO)



Production (2000–2008–OSIO)



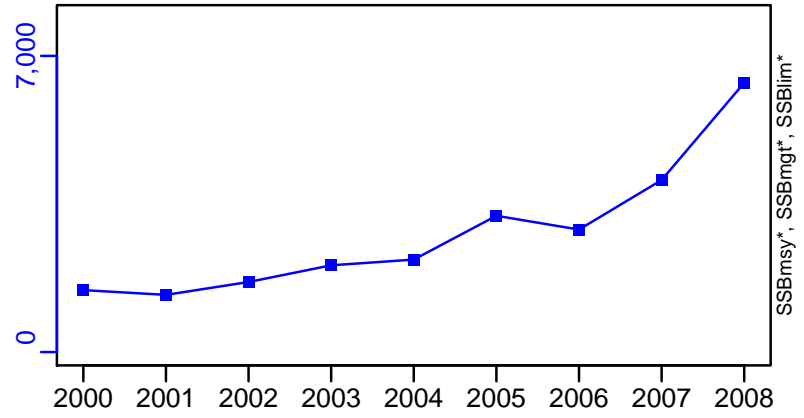
◆ Start Year ◆ End Year * No Data

European pilchard Eastern Ionian Sea [SARDMEDGSA20]

TB*



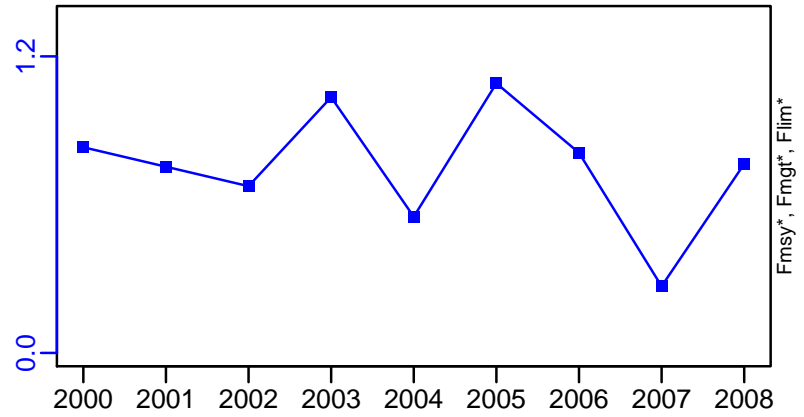
SSB-MT (2000–2008–OSIO)



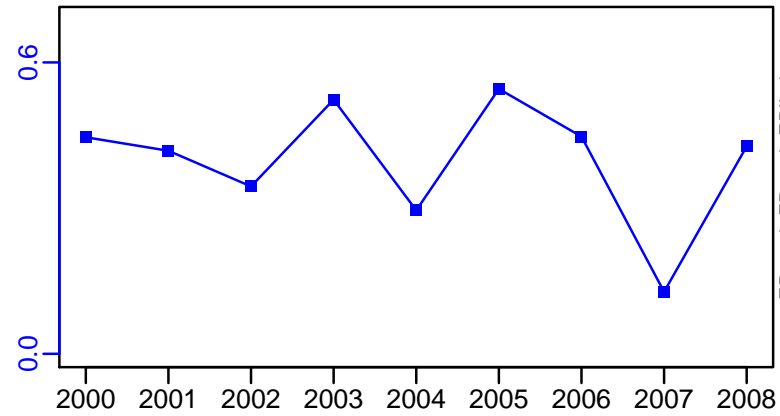
TN *



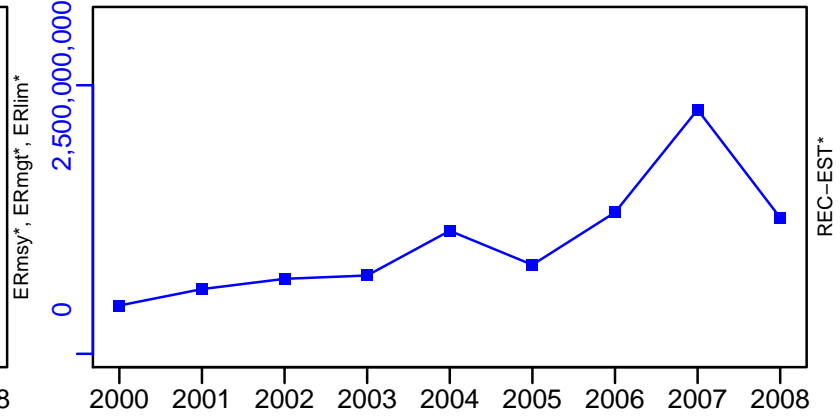
F-1/yr (2000–2008–OSIO)



ER-calc-ratio (2000–2008–OSIO)

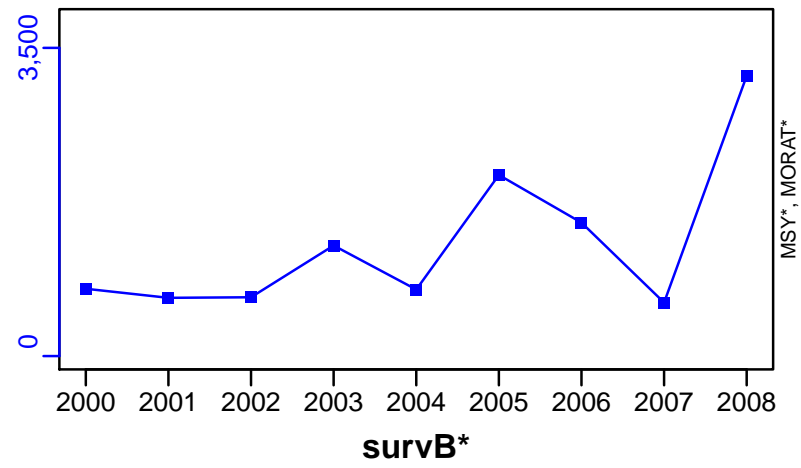


R-E00 (2000–2008–OSIO)



European pilchard Eastern Ionian Sea [SARDMEDGSA20]

TC-MT, TL*, RecC* (2000–2008–OSIO)



TAC*, Cpair*, Cadv*



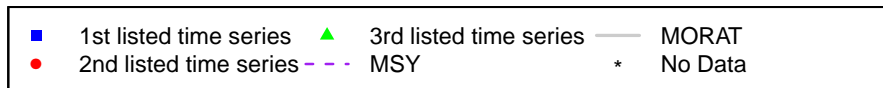
survB*



CPUE*



EFFORT*



European pilchard Aegean Sea [SARDMEDGSA22]

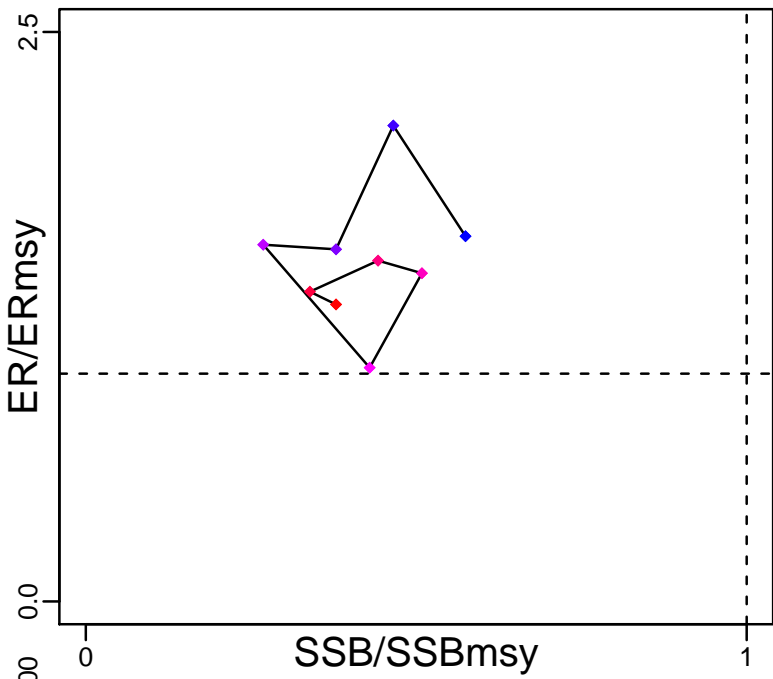
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA22-2000-2008-OSIO
Area	Aegean Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2008

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2008	21,234
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2008	0.69
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2008	19,649
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

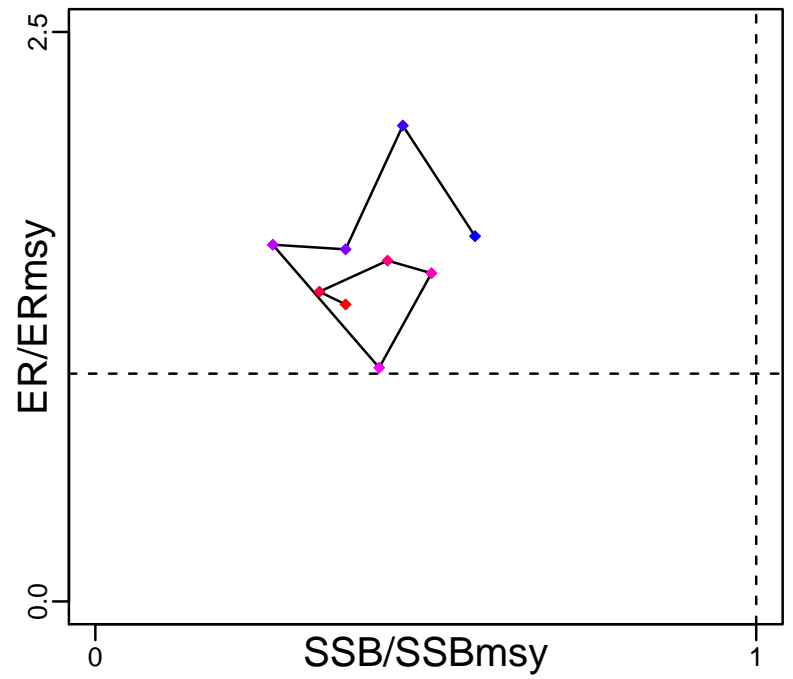
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2008	8040	-	-
TN	-	-	-	-	-
R	R-E00	2008	6.46×10^9	-	-
F	F-1/yr	2008	1	-	-
ER	ER-calc-ratio	2008	1	-	-
TC	TC-MT	2008	9700		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2008	0.38		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2008	1.3		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

European pilchard Aegean Sea [SARDMEDGSA22]

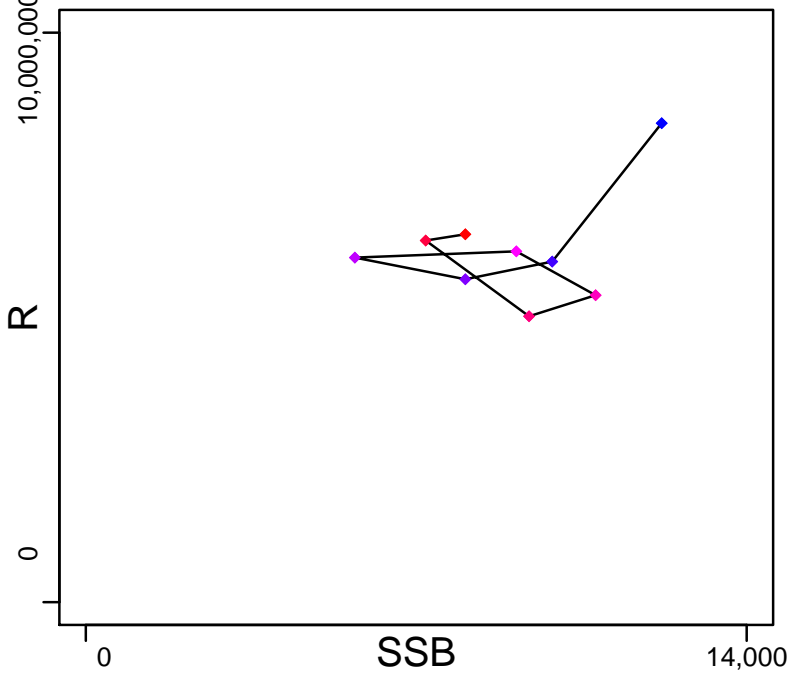
Kobe MSYpref (2000–2008–OSIO)



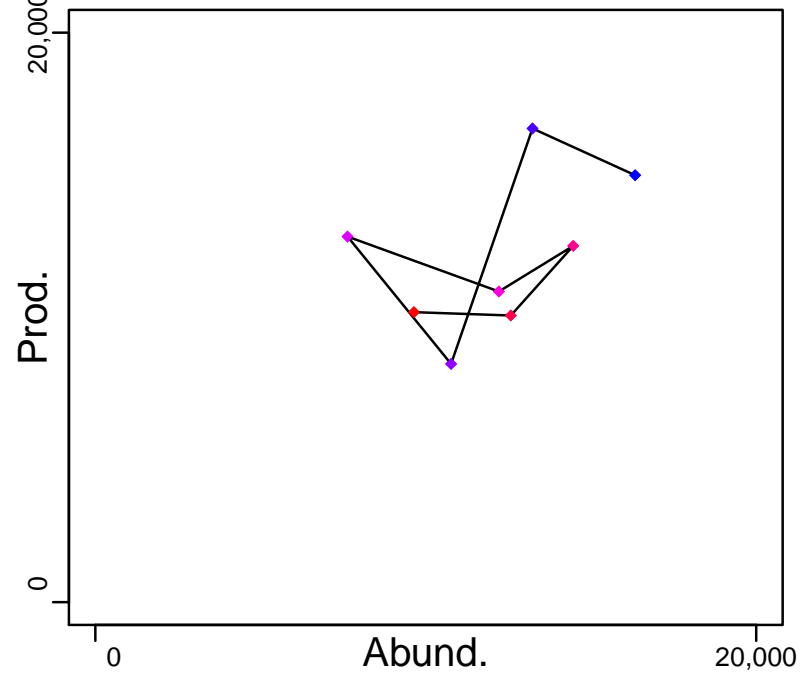
Kobe MGTpref (2000–2008–OSIO)



Spawner Recruit (2000–2008–OSIO)



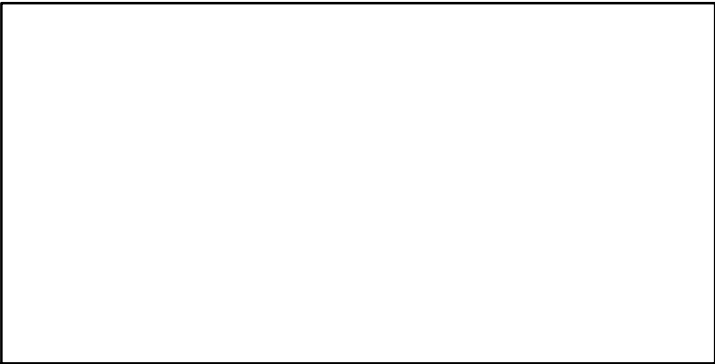
Production (2000–2008–OSIO)



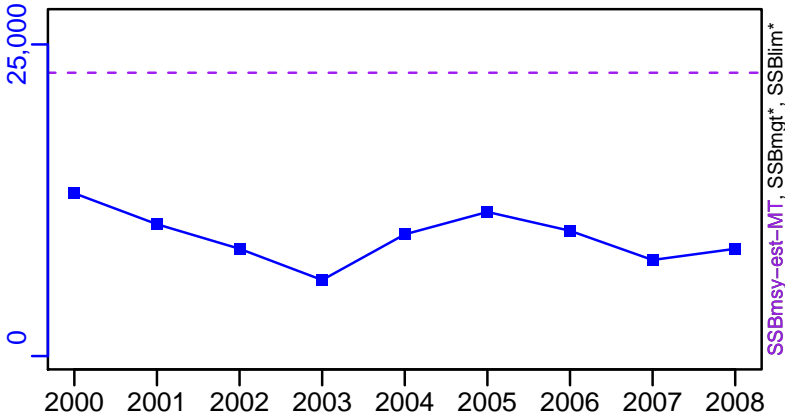
◆ Start Year ◆ End Year * No Data

European pilchard Aegean Sea [SARDMEDGSA22]

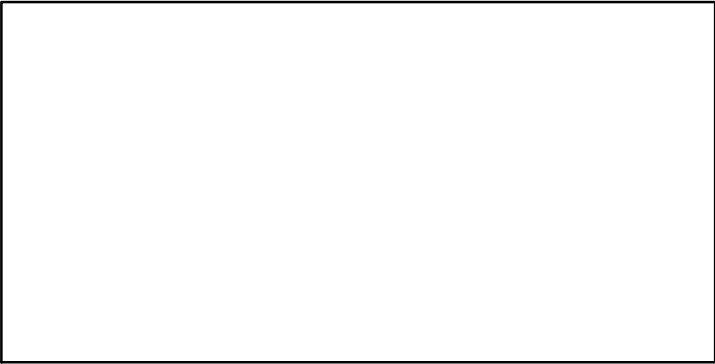
TB*



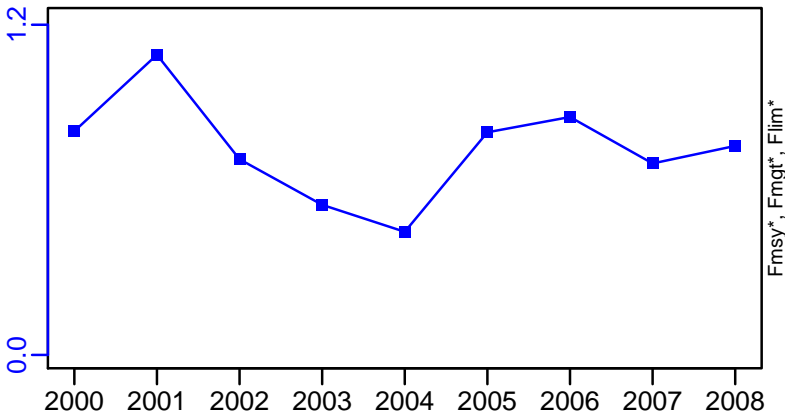
SSB-MT (2000–2008–OSIO)



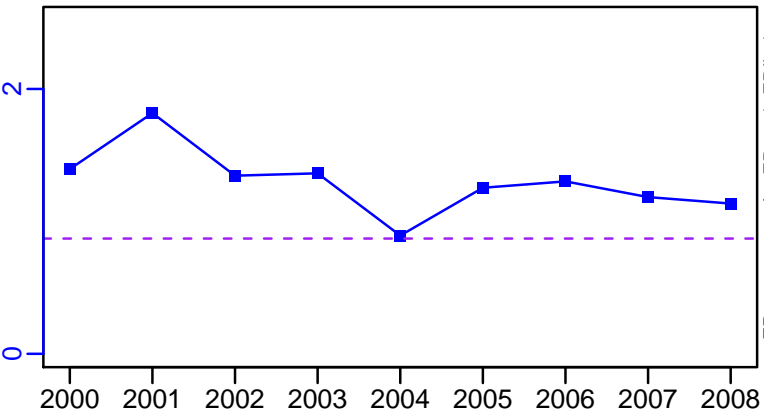
TN *



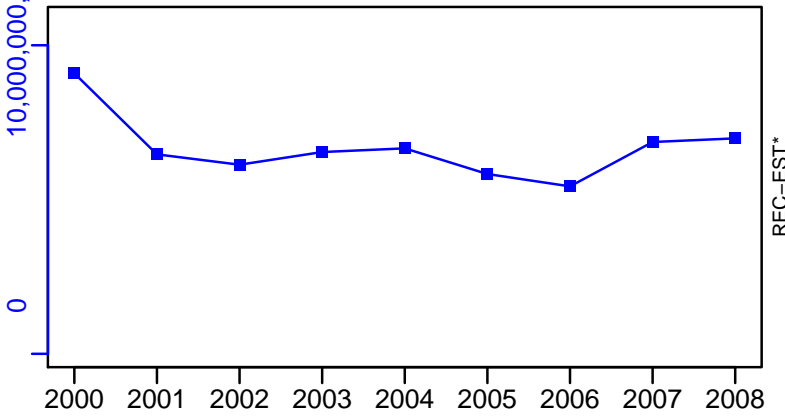
F-1/yr (2000–2008–OSIO)



ER-calc-ratio (2000–2008–OSIO)

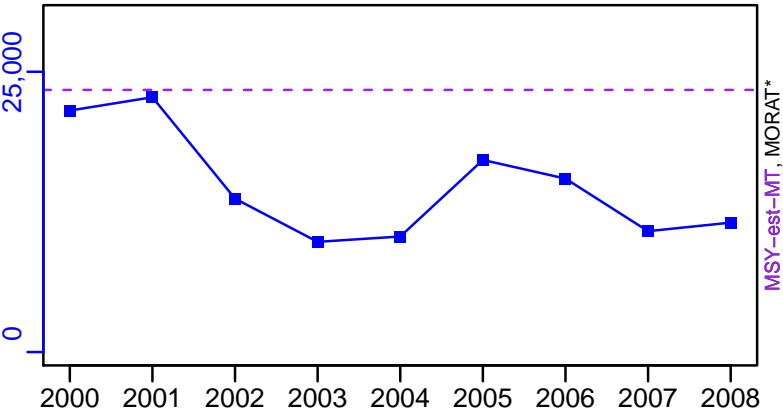


R-E00 (2000–2008–OSIO)



European pilchard Aegean Sea [SARDMEDGSA22]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



European pilchard Northern Spain [SARDMEDGSA6]

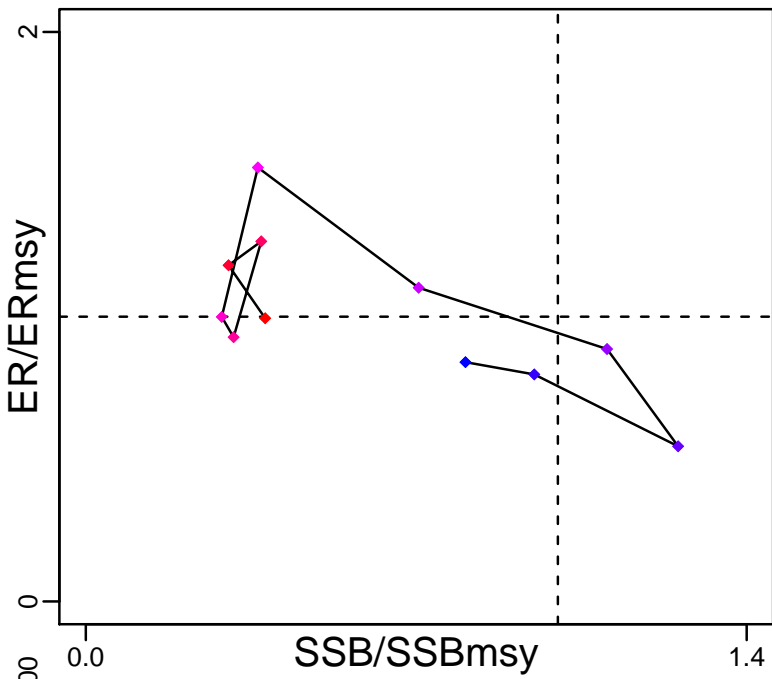
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	STECF-SARDMEDGSA6-2003-2015-OSIO
Area	Northern Spain
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2013, 2015

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2013	83,680
Fmsy	Fmsy-1/yr	2015	0.7
ERmsy	ERmsy-est-ratio	2013	0.17
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2013	0.56
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2013	25,745
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

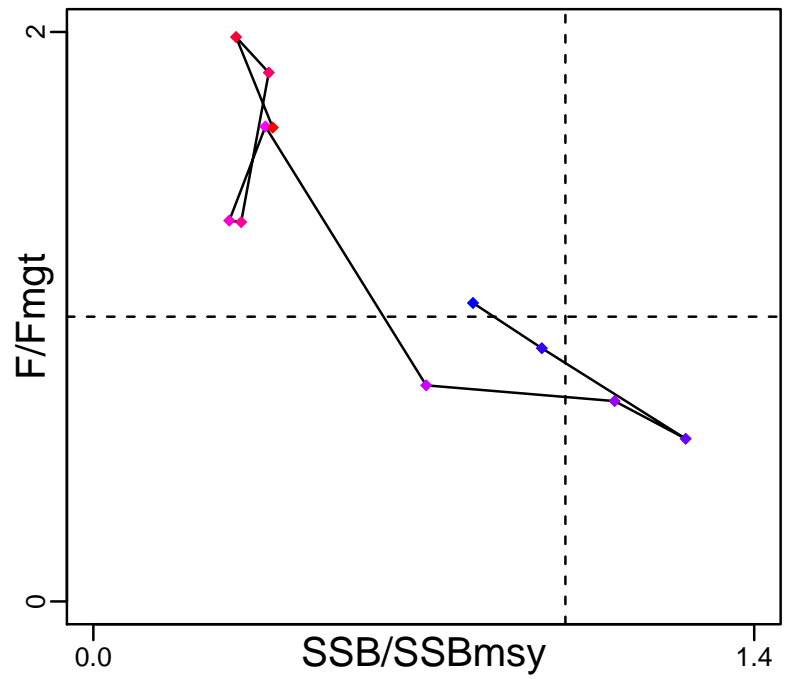
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	168,000	-	-
SSB	SSB-MT	2015	120,000	-	-
TN	-	-	-	-	-
R	R-E00	2015	1.44×10^{10}	-	-
F	F-1/yr	2015	2	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	6310		
TL	TL-MT	2015	6310		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2013	0.38		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.53		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2013	0.99		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.66		
ER/ERmgt	-	-	-		

European pilchard Northern Spain [SARDMEDGSA6]

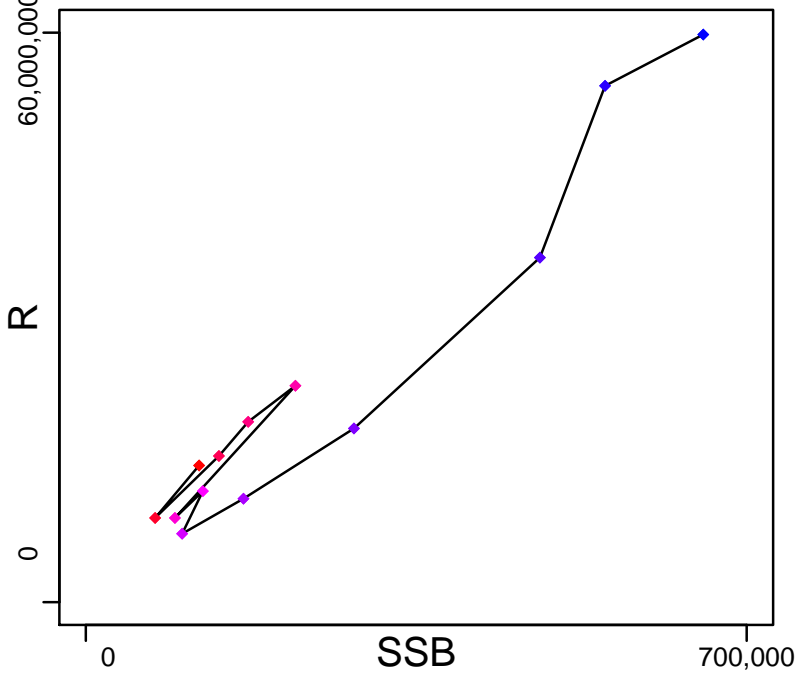
Kobe MSYpref (2003–2013–OSIO)



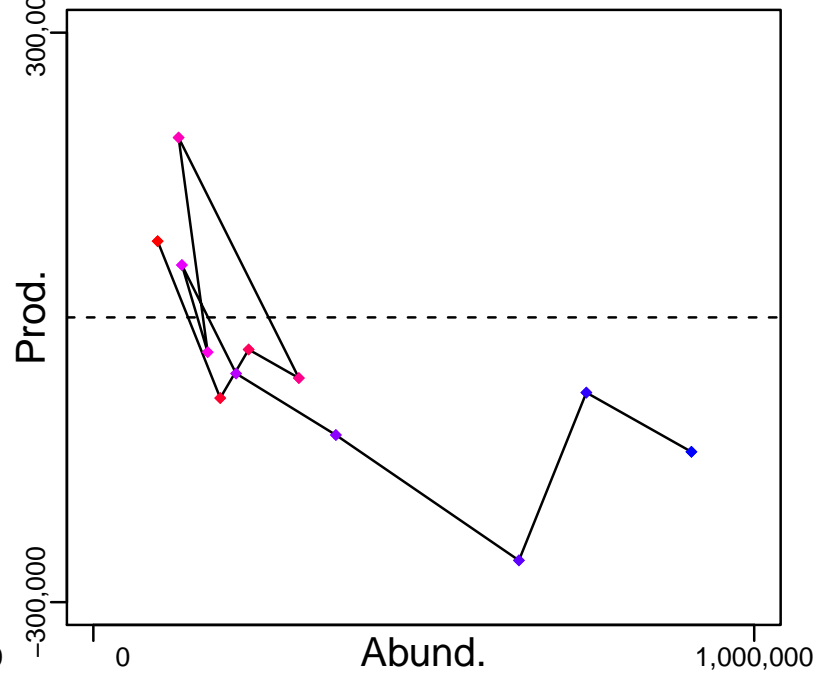
Kobe MGTpref (2003–2013–OSIO)



Spawner Recruit (2003–2015–OSIO)



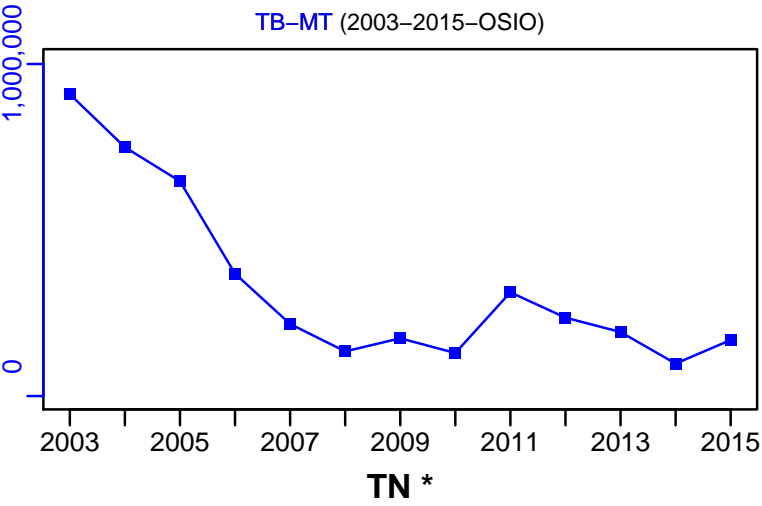
Production (2003–2015–OSIO)



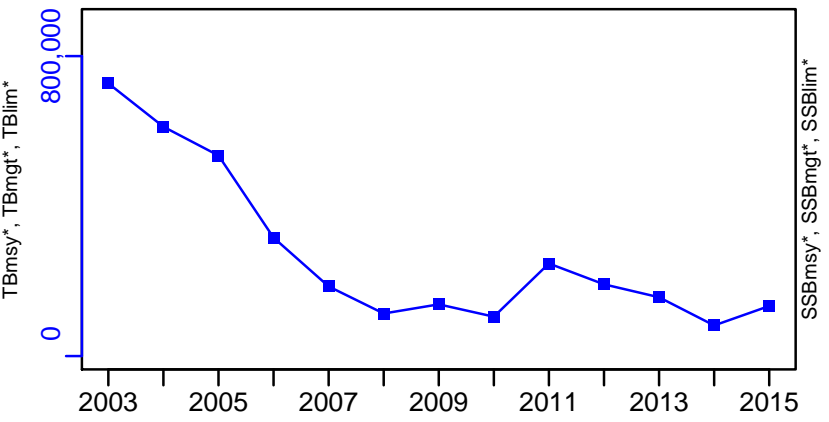
◆ Start Year ◆ End Year * No Data

European pilchard Northern Spain [SARDMEDGSA6]

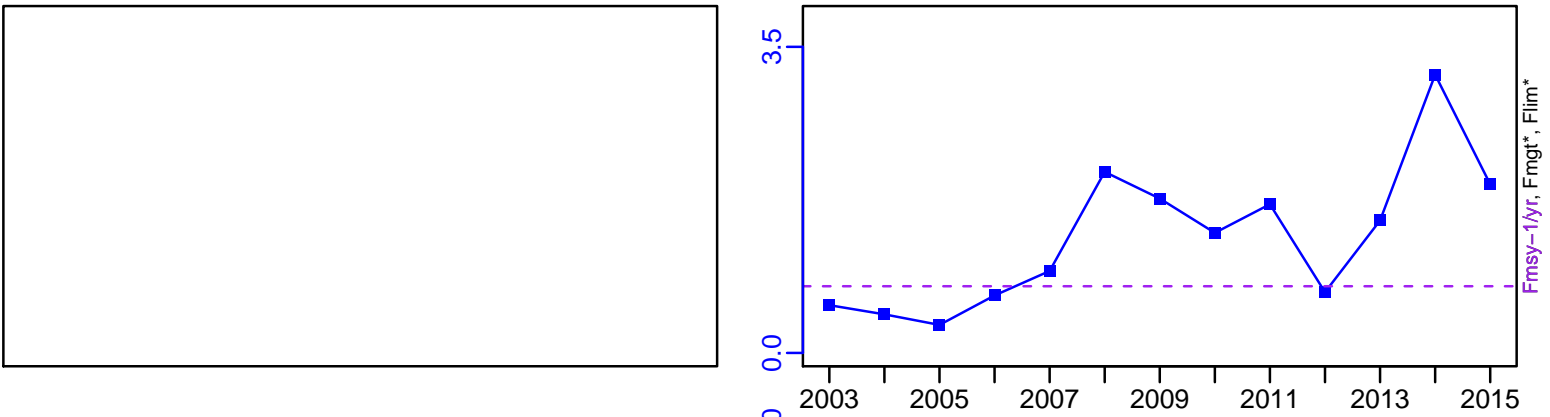
TB-MT (2003–2015–OSIO)



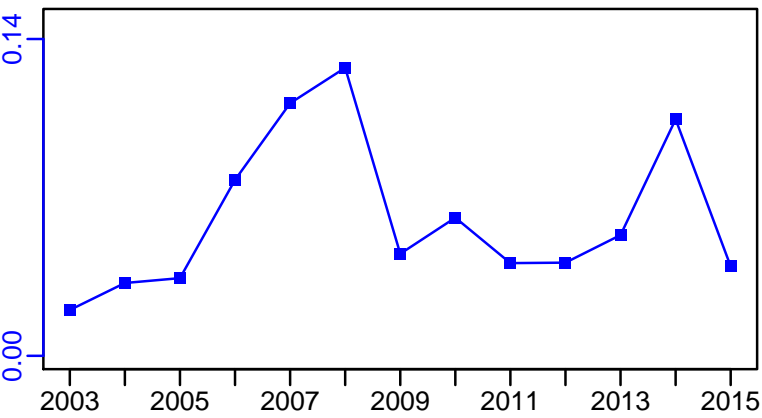
SSB-MT (2003–2015–OSIO)



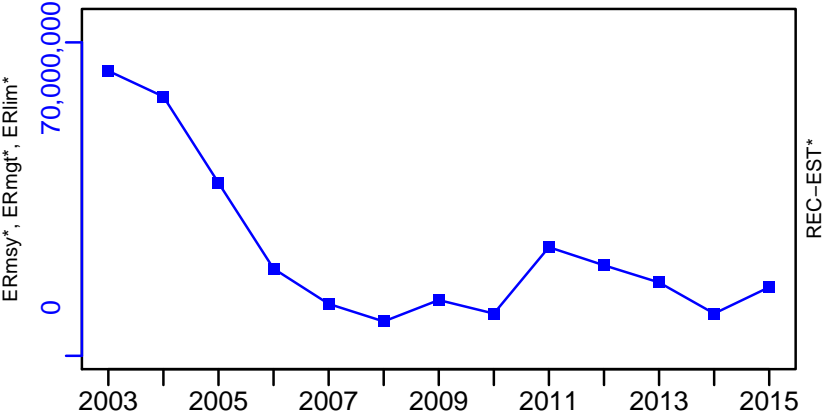
F-1/yr (2003–2015–OSIO)



ER-calc-ratio (2003–2015–OSIO)

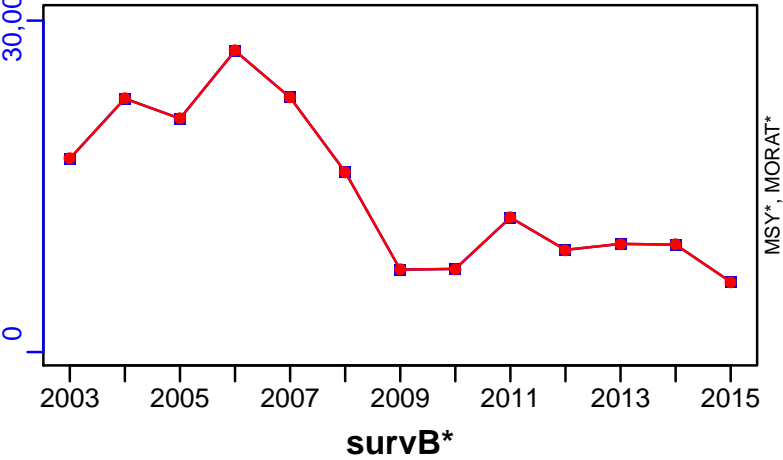


R-E00 (2003–2015–OSIO)



European pilchard Northern Spain [SARDMEDGSA6]

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



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sardine Gulf of Lions [SARDMEDGSA7]

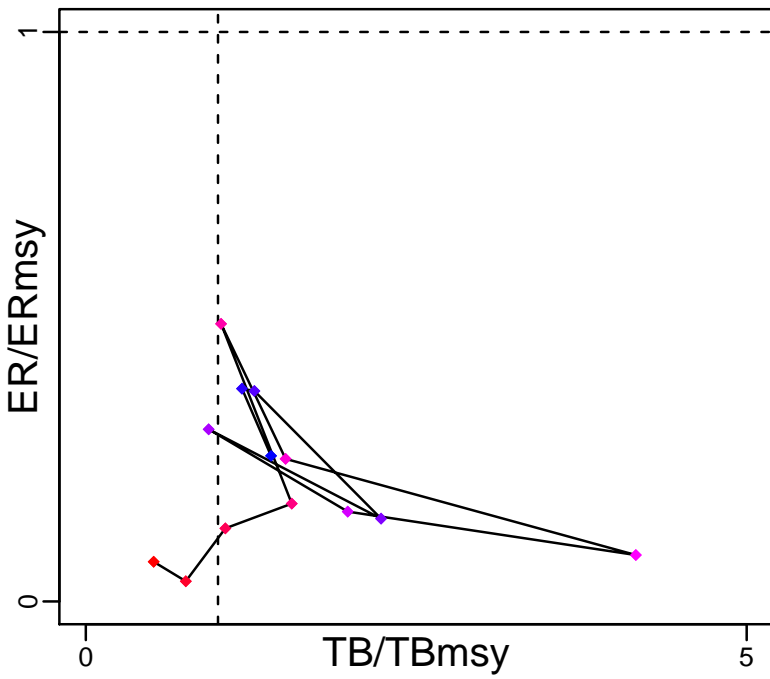
Metadata	
Scientific Name	Sardina pilchardus
Current Assess ID	IFREMER-SARDMEDGSA7-1993-2012-BANOBI
Area	Gulf of Lions
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	French Research Institute for Exploitation of the Sea
Asmts in RAM	2012

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2012	55,510
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.39
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	21,854
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

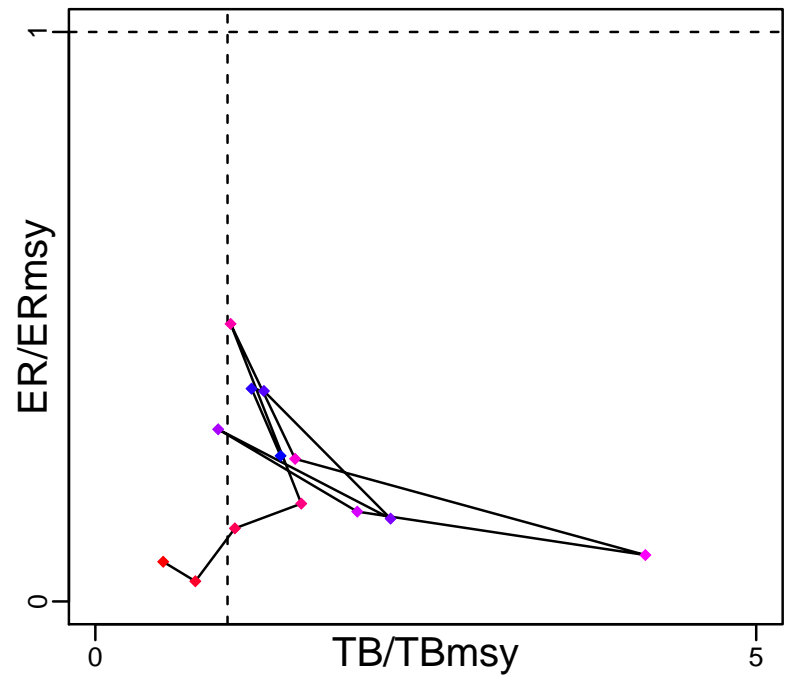
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2012	115,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-MT	2012	57,500	-	-
F	-	-	-	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	782	-	-
TL	-	-	-	-	-
TB/TBmsy	TB-MT/TBmsy-est-MT	2012	2.07	-	-
SSB/SSBmsy	-	-	-	-	-
F/Fmsy	-	-	-	-	-
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.07	-	-
TB/TBmgt	-	-	-	-	-
SSB/SSBmgt	-	-	-	-	-
F/Fmgt	-	-	-	-	-
ER/ERmgt	-	-	-	-	-

Sardine Gulf of Lions [SARDMEDGSA7]

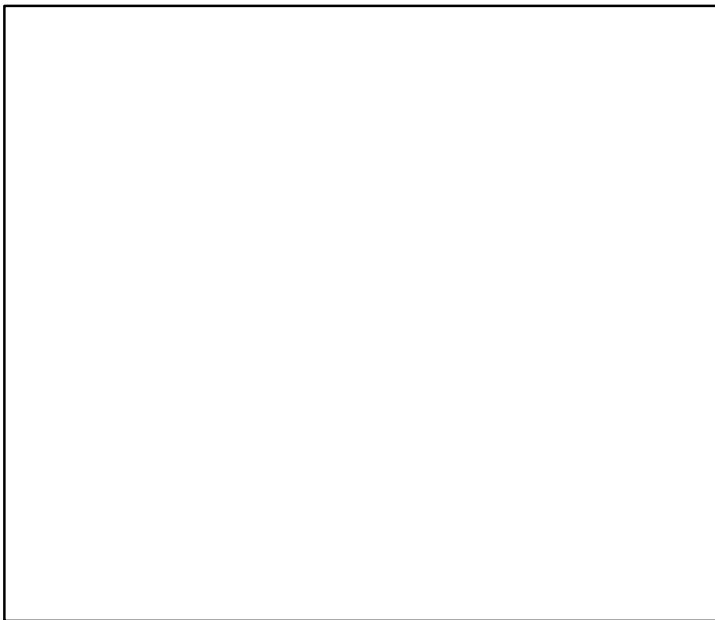
Kobe MSYpref (1993–2012–BANOB1)



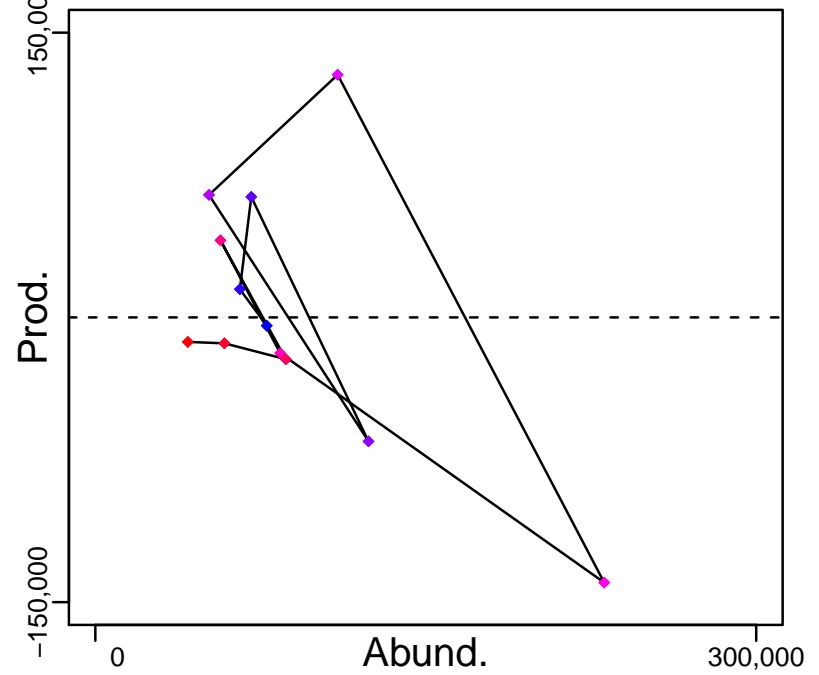
Kobe MGTpref (1993–2012–BANOB1)



Spawner Recruit*



Production (1993–2012–BANOB1)

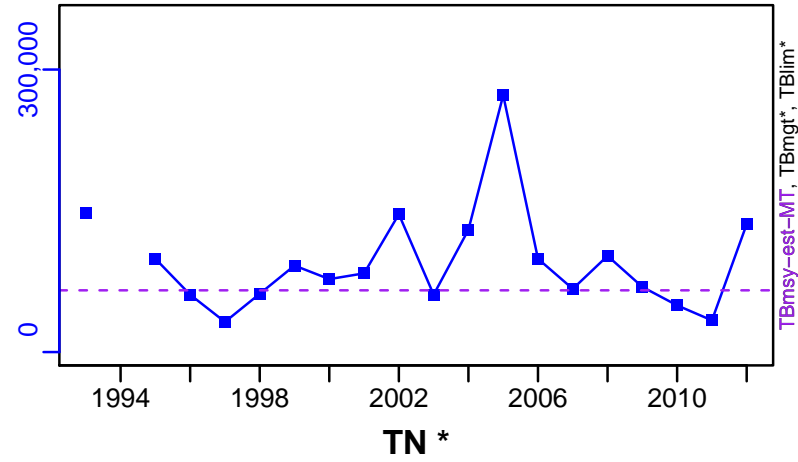


◆ Start Year ◆ End Year * No Data

Sardine Gulf of Lions [SARDMEDGSA7]

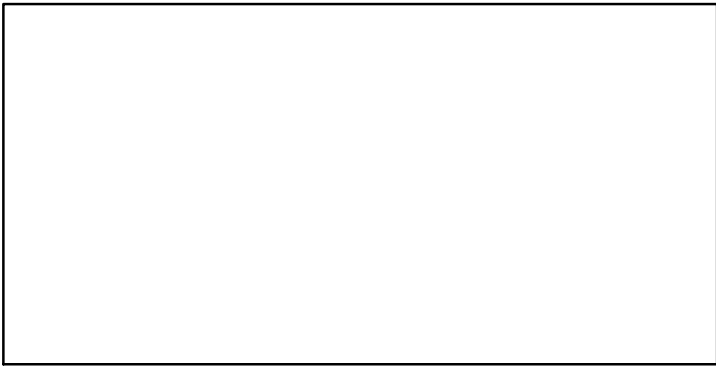
TB-MT (1993–2012–BANOB)

SSB*



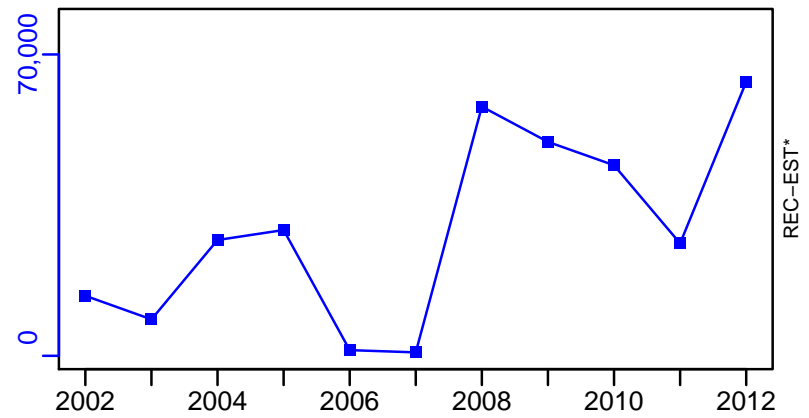
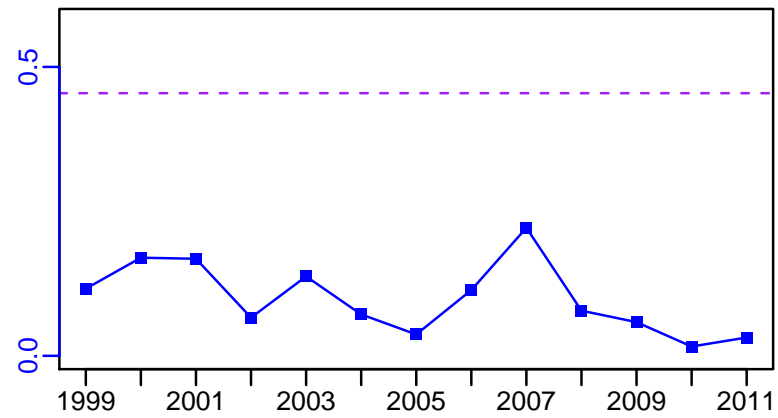
TN *

F*



ER-calc-ratio (1993–2012–BANOB)

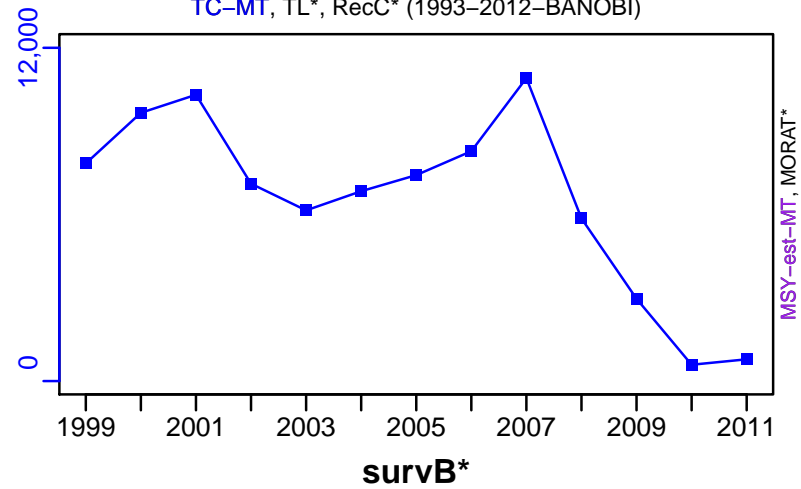
R-MT (1993–2012–BANOB)



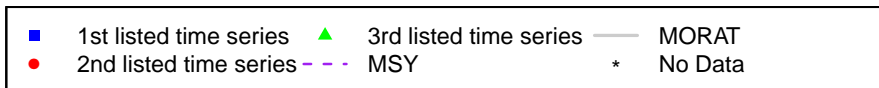
Sardine Gulf of Lions [SARDMEDGSA7]

TC-MT, TL*, RecC* (1993–2012–BANOB)

TAC*, Cpair*, Cadv*



EFFORT*



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

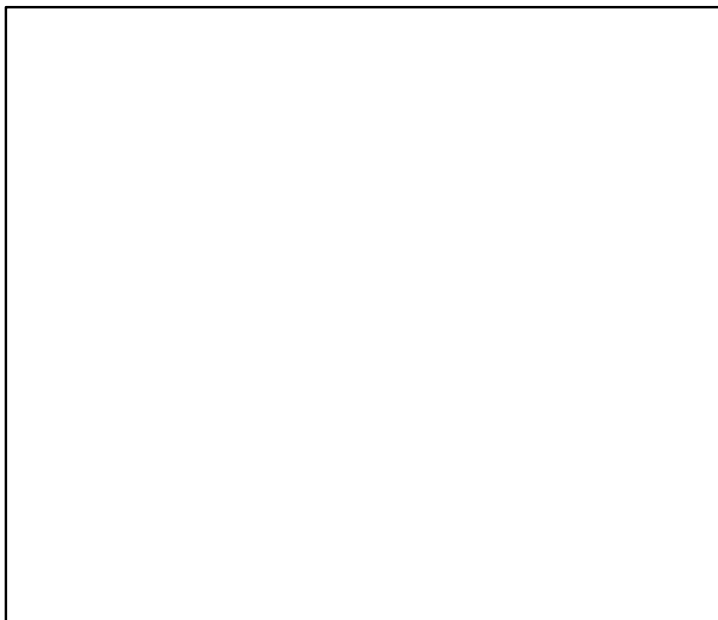
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

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*



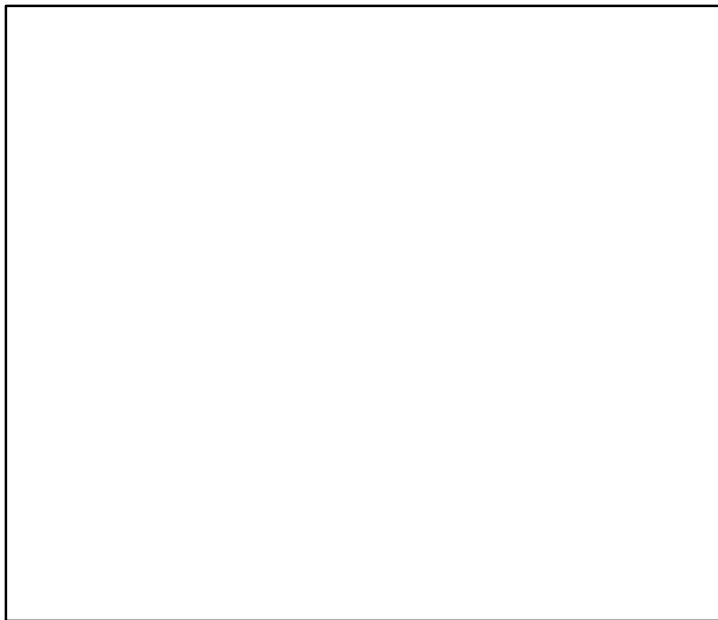
Kobe MGT*



Spawner Recruit*



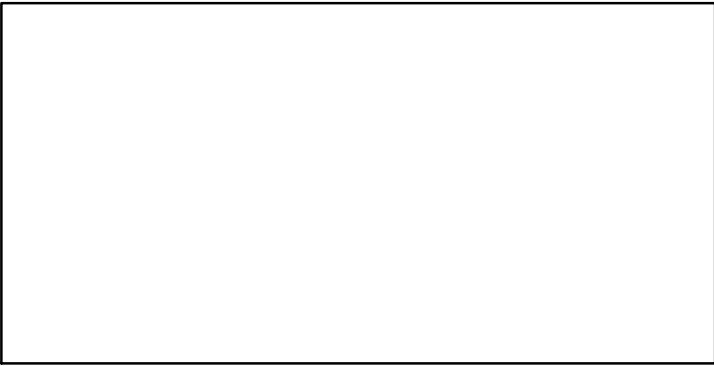
Production*



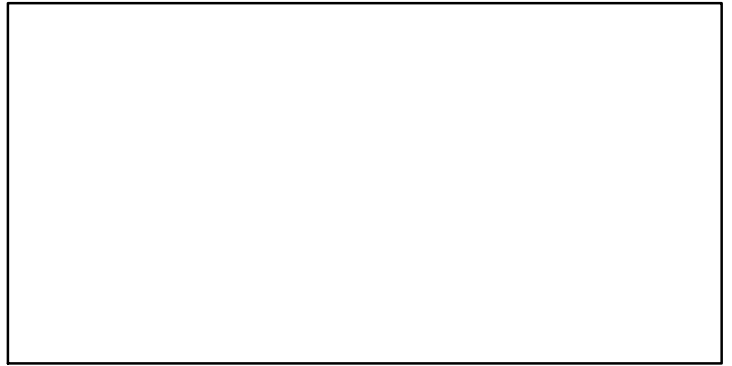
◆ Start Year ◆ End Year * No Data

European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]

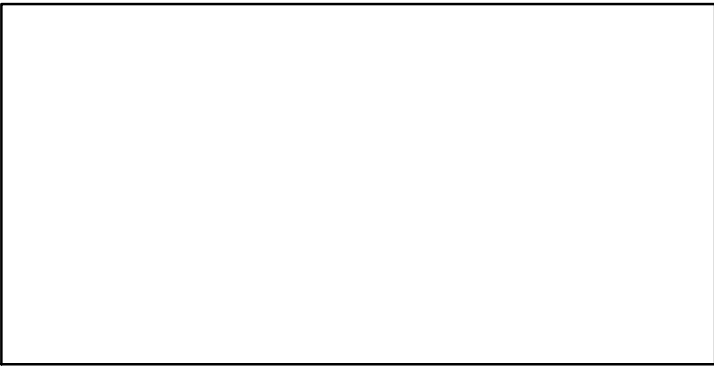
TB*



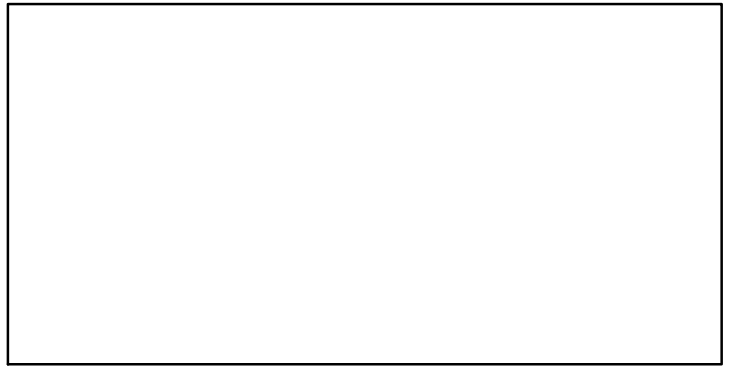
SSB*



TN *



F*



ER*

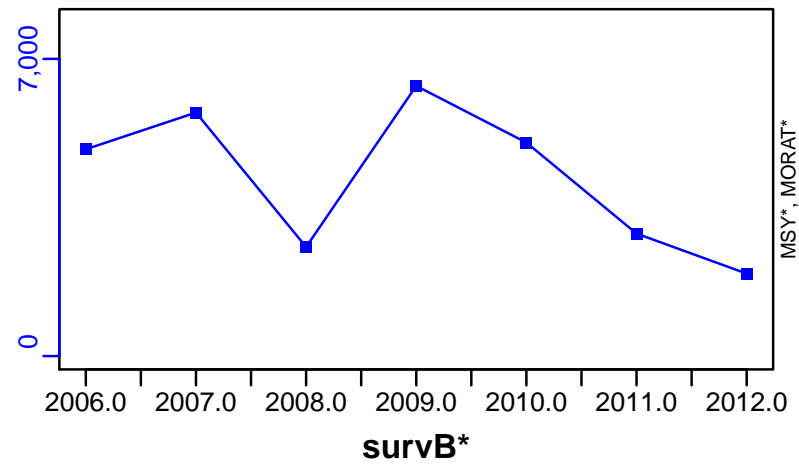


Recruits*

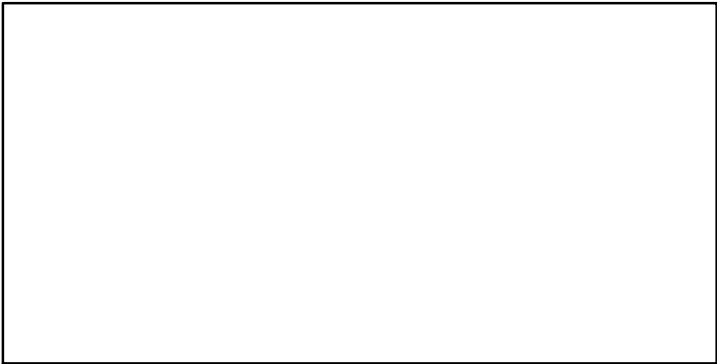


European pilchard Ligurian and North Tyrrhenian Sea [SARDMEDGSA9]

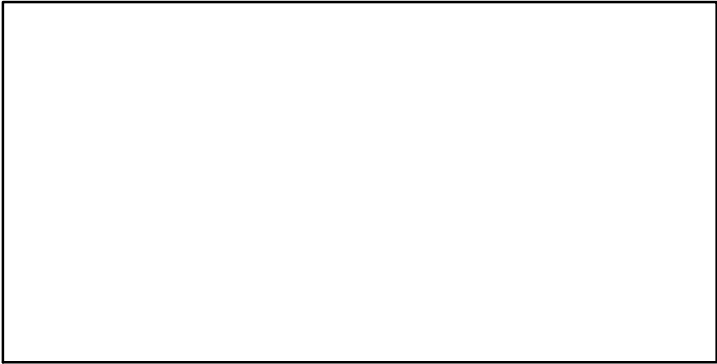
TC-MT, TL*, RecC* (2006–2012–OSIO)



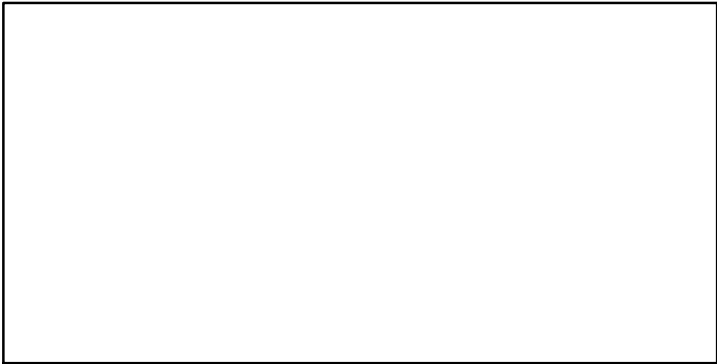
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Spiny Dogfish Black Sea [SDOGBLKGS29]

Metadata	
Scientific Name	Squalus acanthias
Current Assess ID	STECF-SDOGBLKGS29-1989-2014-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	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	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	2014	693	-	12+
TN	-	-	-	-	-
R	R-E00	2014	62,900	-	-
F	F-1/yr	2014	0	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	75.3		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	3		
ER/ERmgt	-	-	-		

Spiny Dogfish Black Sea [SDOGBLKGA29]

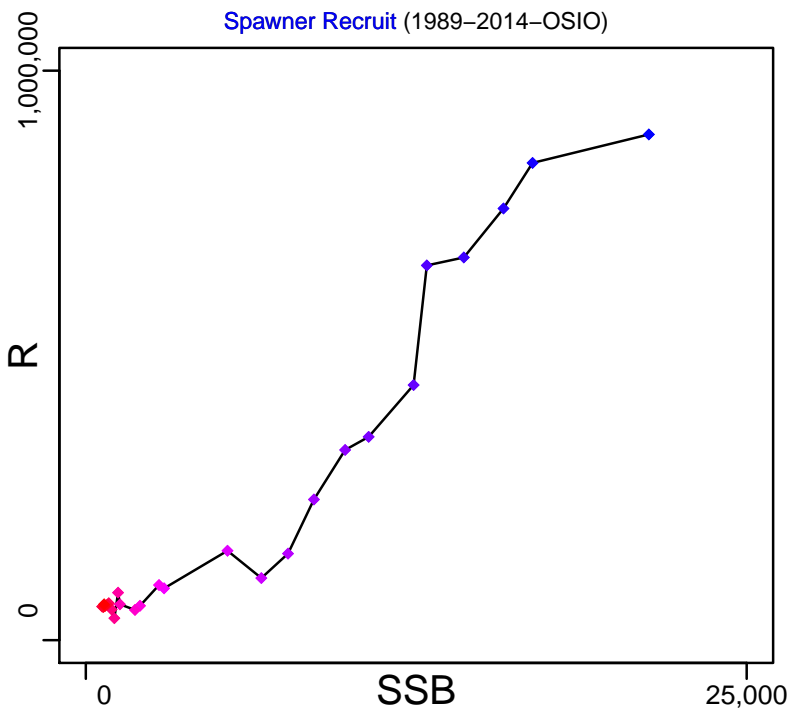
Kobe MSY*



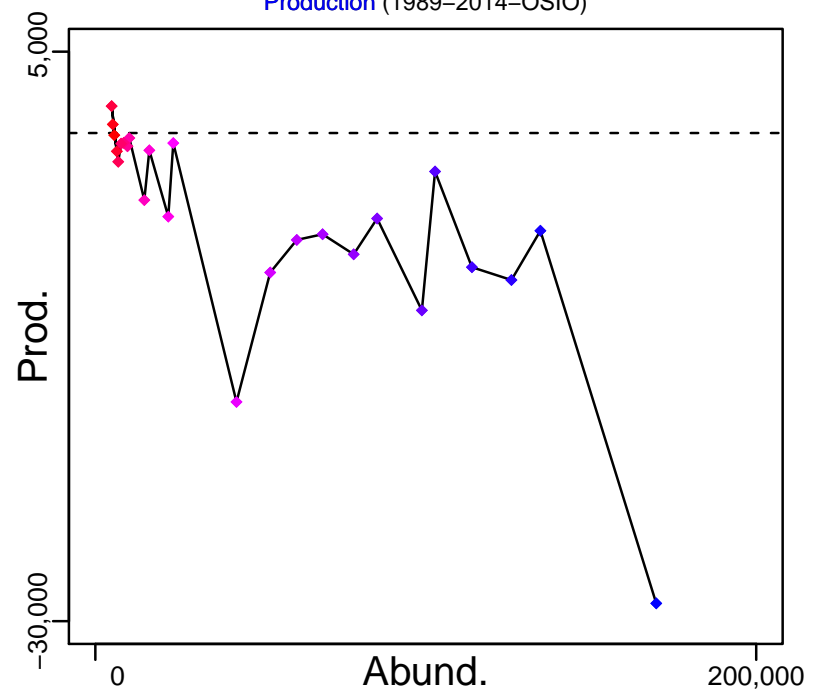
Kobe MGT*



Spawner Recruit (1989–2014–OSIO)



Production (1989–2014–OSIO)



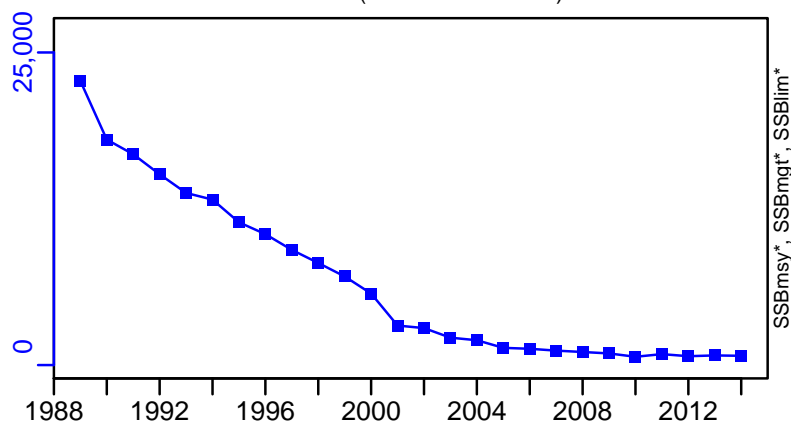
◆ Start Year ◆ End Year * No Data

Spiny Dogfish Black Sea [SDOGBLKGA29]

TB*



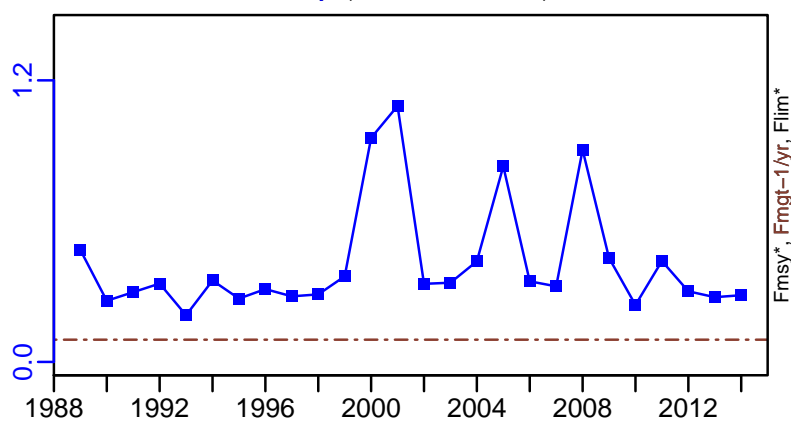
SSB-MT (1989–2014–OSIO)



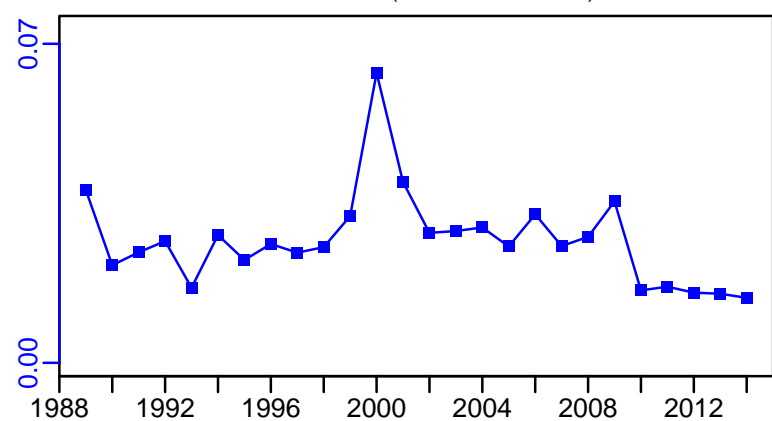
TN *



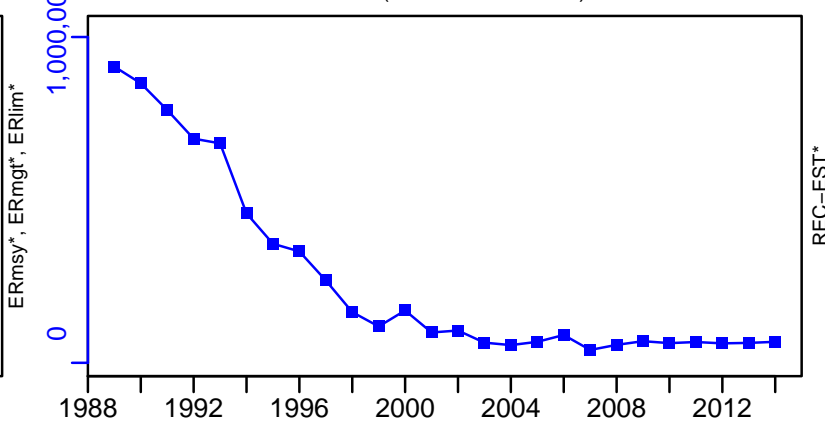
F-1/yr (1989–2014–OSIO)



ER-calc-ratio (1989–2014–OSIO)



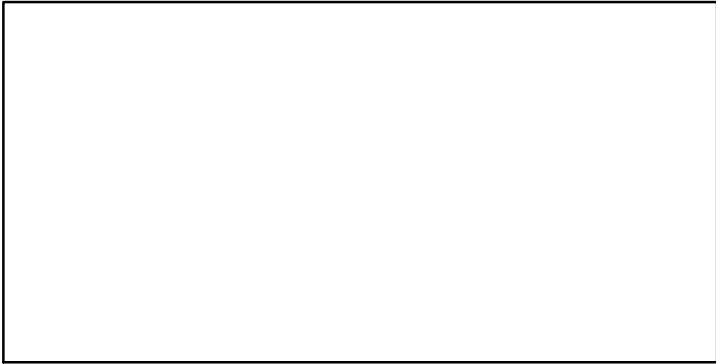
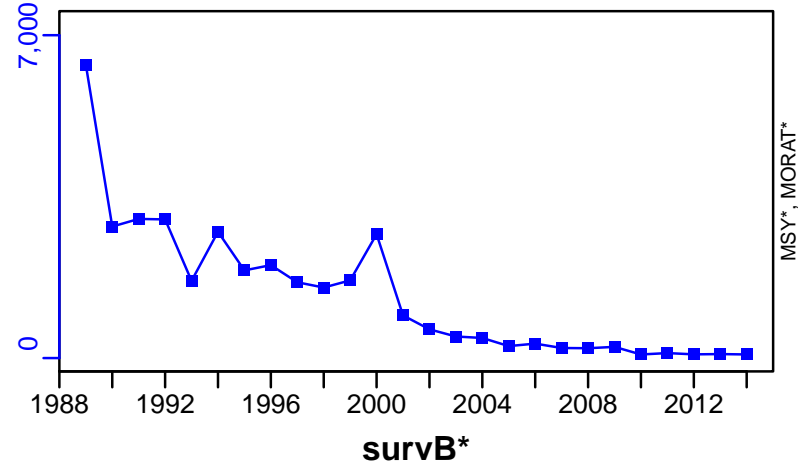
R-E00 (1989–2014–OSIO)



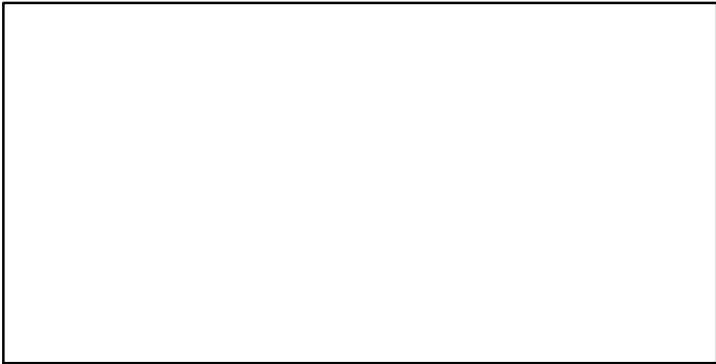
Spiny Dogfish Black Sea [SDOGBLKGA29]

TC-MT, TL*, RecC* (1989–2014–OSIO)

TAC*, Cpair*, Cadv*



EFFORT*



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

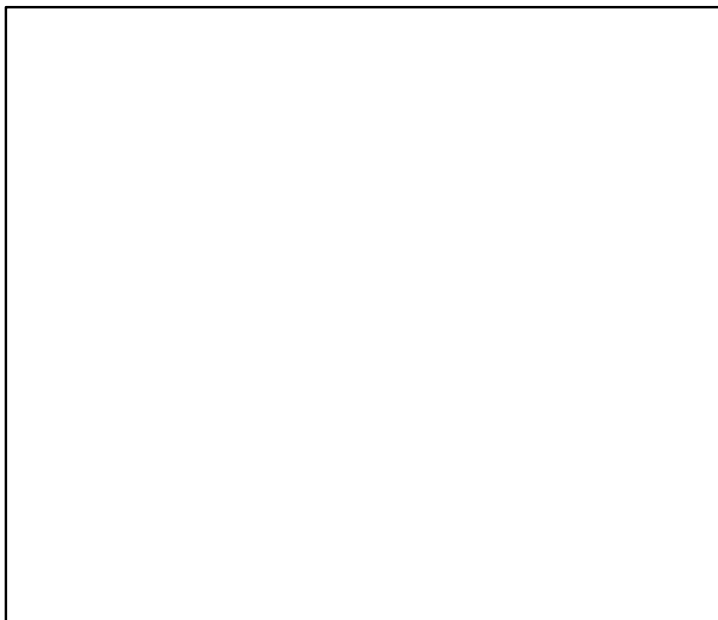
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2011	0.41
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2011	1	-	-
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	2.63		
ER/ERmgt	-	-	-		

Kobe MSY*



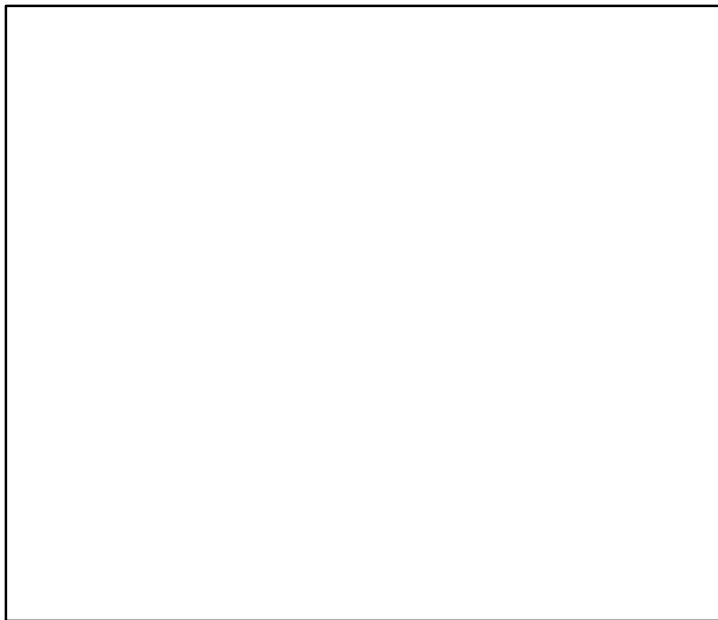
Kobe MGT*



Spawner Recruit*



Production*



◆ Start Year ◆ End Year * No Data

TB*



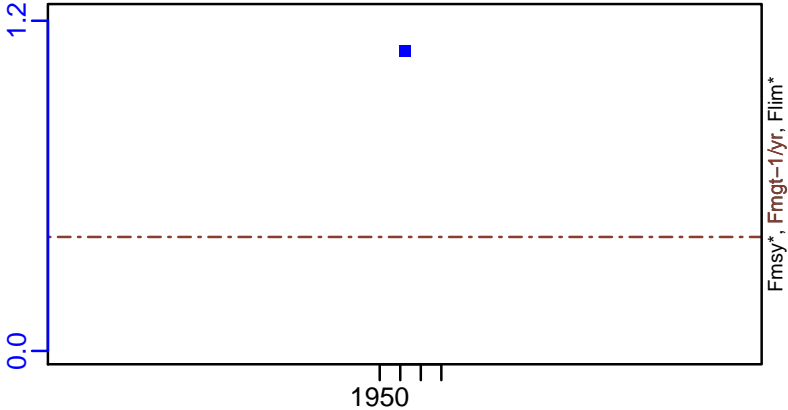
SSB*



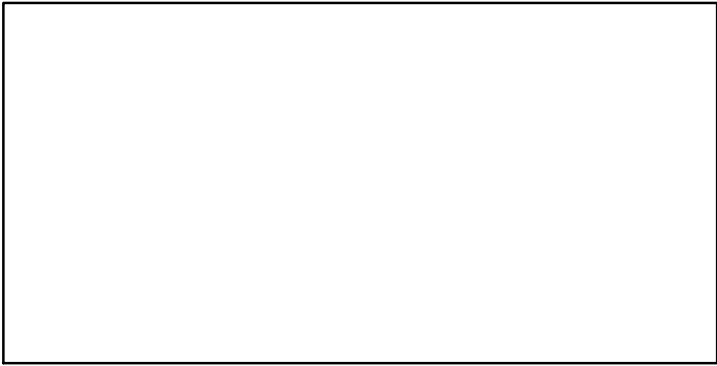
TN *



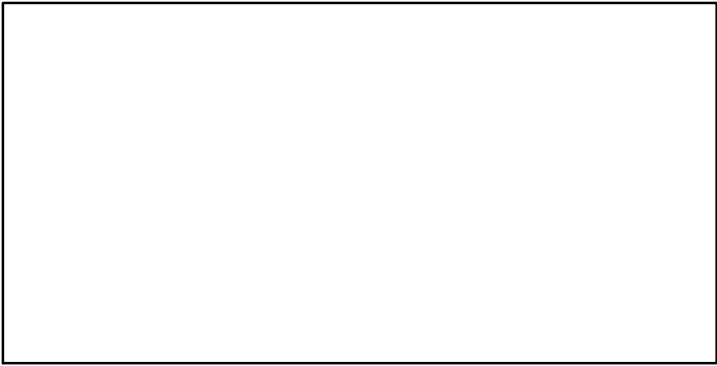
F-1/yr (2011-2011-OSIO)



ER*



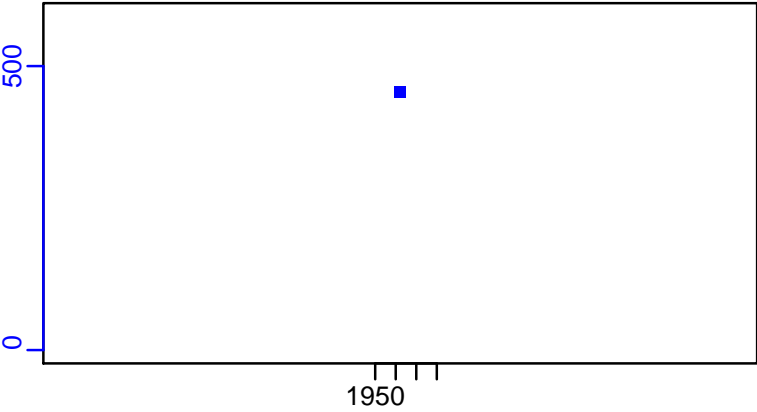
Recruits*



Spottail mantis shrimp South Tyrrhenian Sea [SMSHRMPMEDGSA10]

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

TAC*, Cpair*, Cadv*



MSY*, MORAT*

survB*

CPUE*

EFFORT*



Spottail mantis shrimp Adriatic Sea [SMSHRMPMEDGSA17-18]

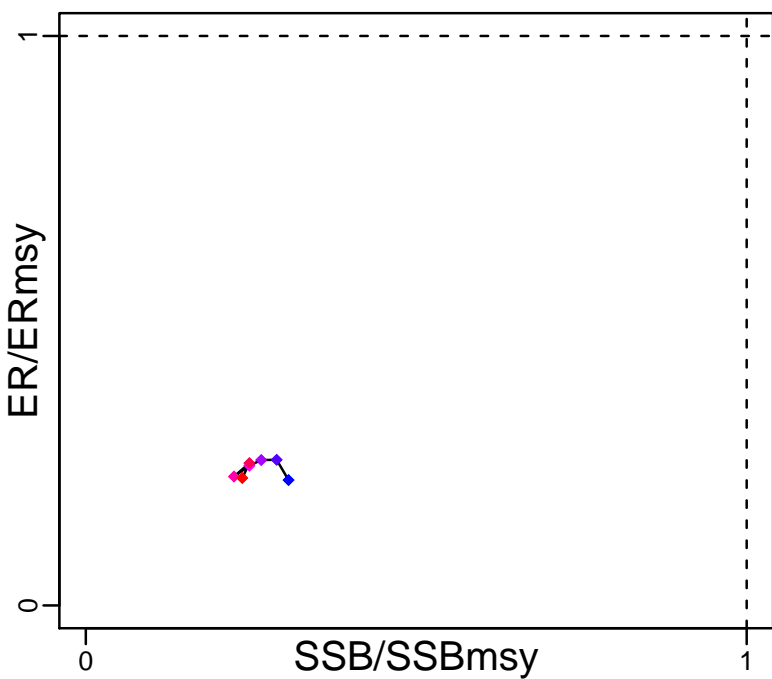
Metadata	
Scientific Name	Squilla mantis
Current Assess ID	STECF-SMSHRMPMEDGSA17-18-2008-2014-OSIO
Area	Adriatic Sea (GSA 17,18)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	55,748
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2014	0.18
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.56
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	80,982
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.22		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

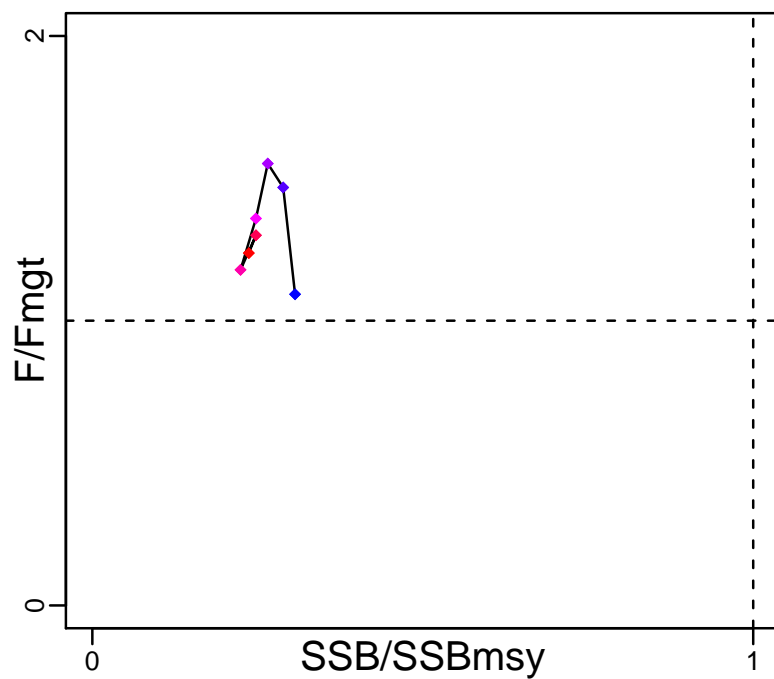
Spottail mantis shrimp Adriatic Sea [SMSHRMPMEDGSA17-18]

Kobe MSYpref (2008-2014-OSIO)

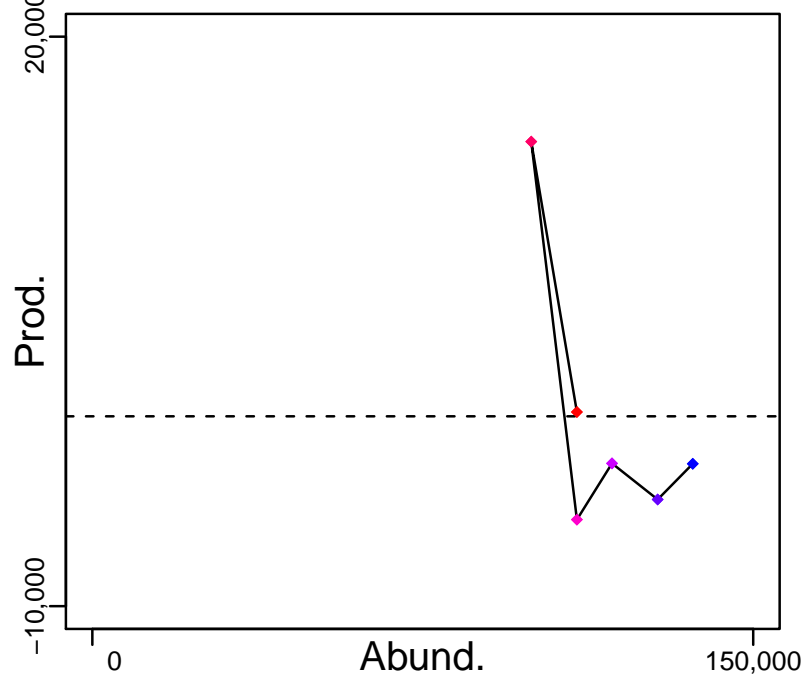


Spawner Recruit*

Kobe MGTpref (2008-2014-OSIO)



Production (2008-2014-OSIO)



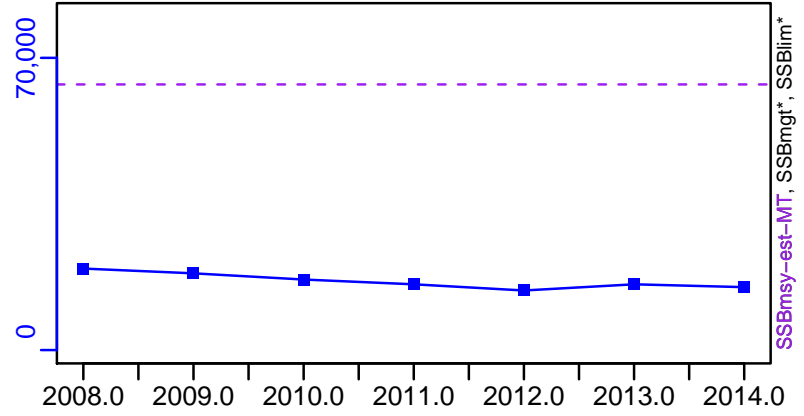
◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp Adriatic Sea [SMSHRMPMEDGSA17-18]

TB*



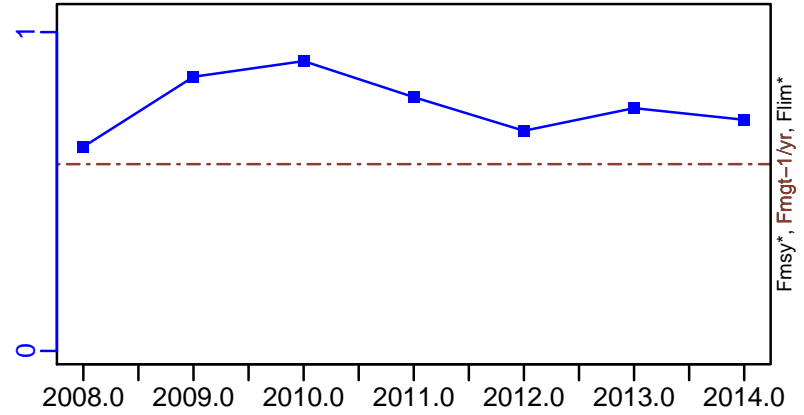
SSB-MT (2008-2014-OSIO)



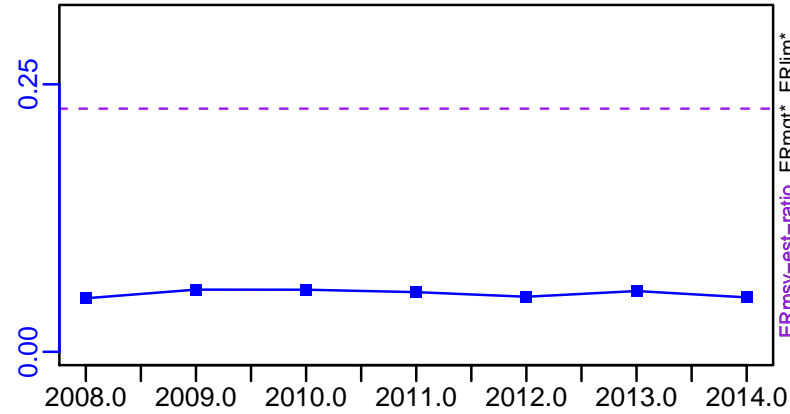
TN *



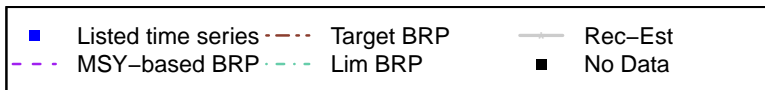
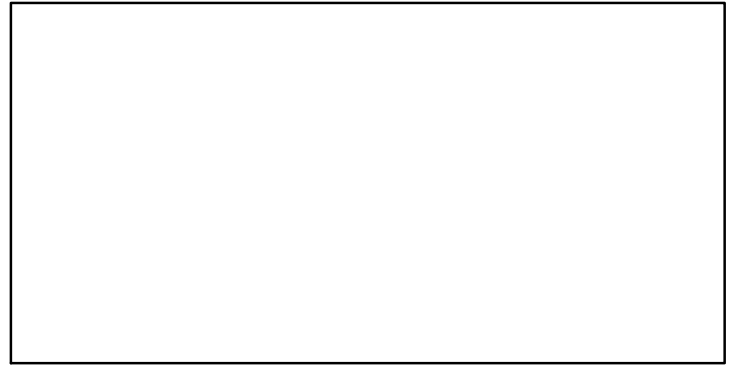
F-1/yr (2008-2014-OSIO)



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



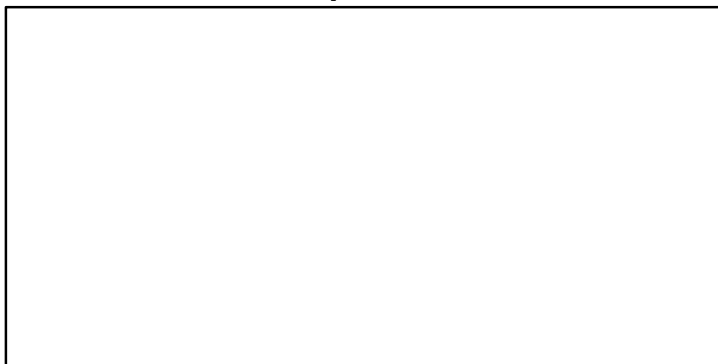
Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



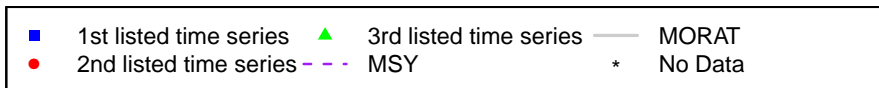
survB*



CPUE*



EFFORT*



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SM SHRMPMEDGSA9]

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	-	-
ER	ER-calc-ratio	2010	0	-	-
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	2.22		
ER/ERmgt	-	-	-		

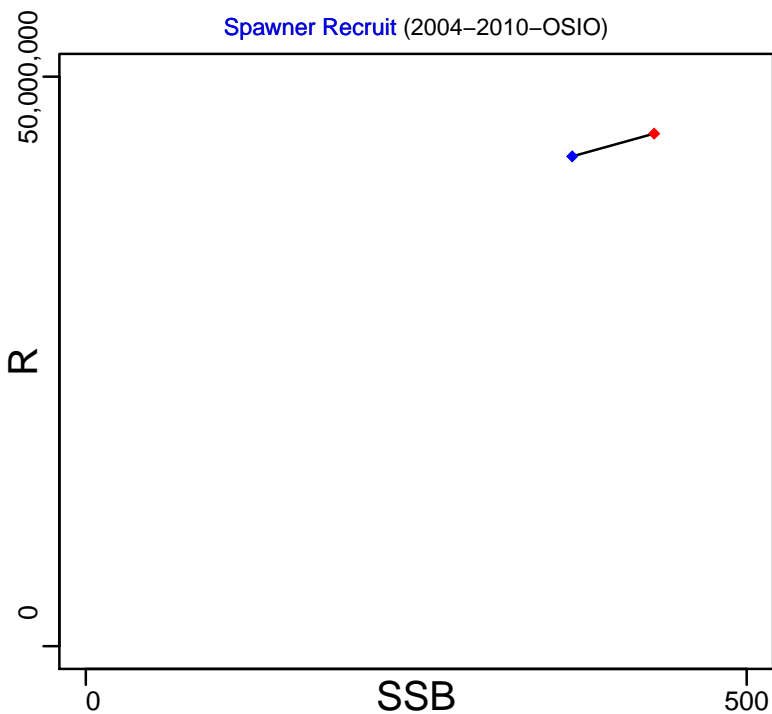
Kobe MSY*



Kobe MGT*



Spawner Recruit (2004–2010–OSIO)



Production*



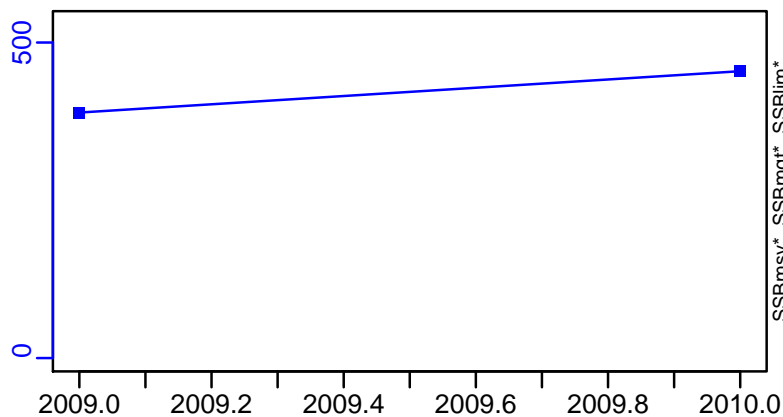
◆ Start Year ◆ End Year * No Data

Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

TB*



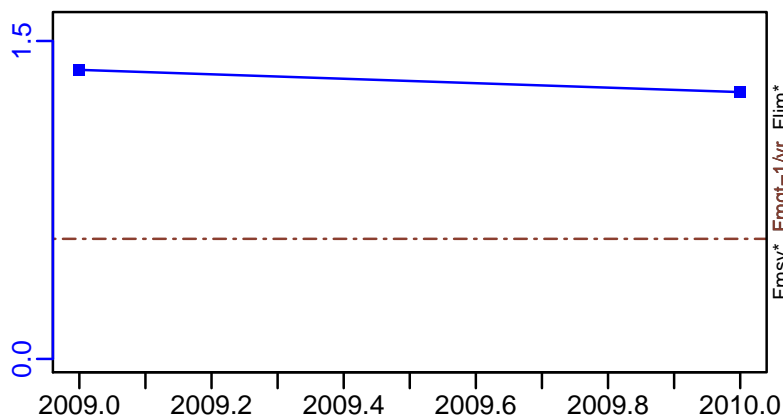
SSB-MT (2004–2010–OSIO)



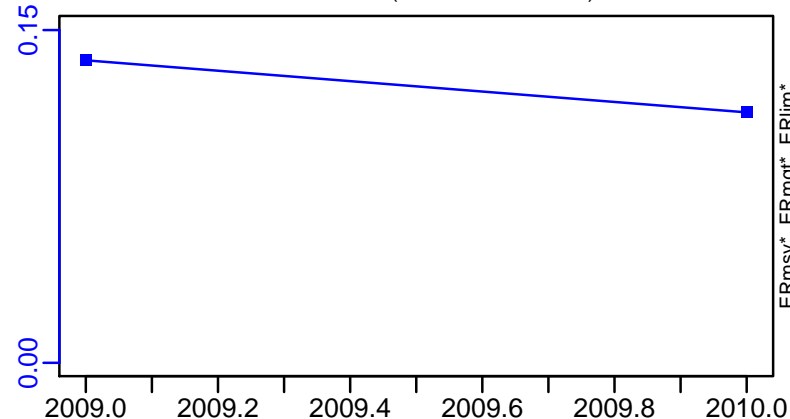
TN *



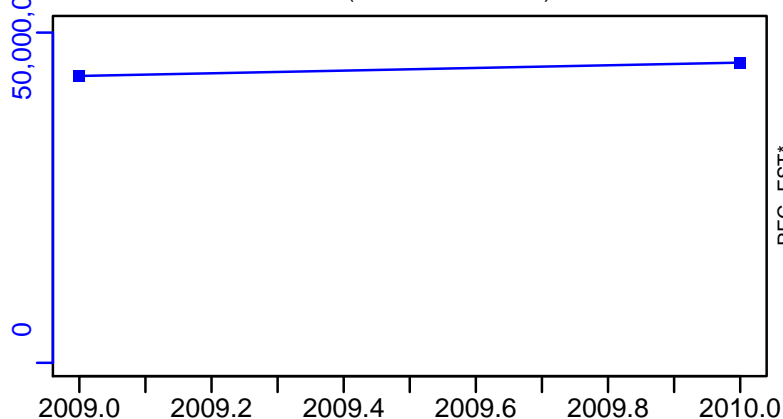
F-1/yr (2004–2010–OSIO)



ER-calc-ratio (2004–2010–OSIO)

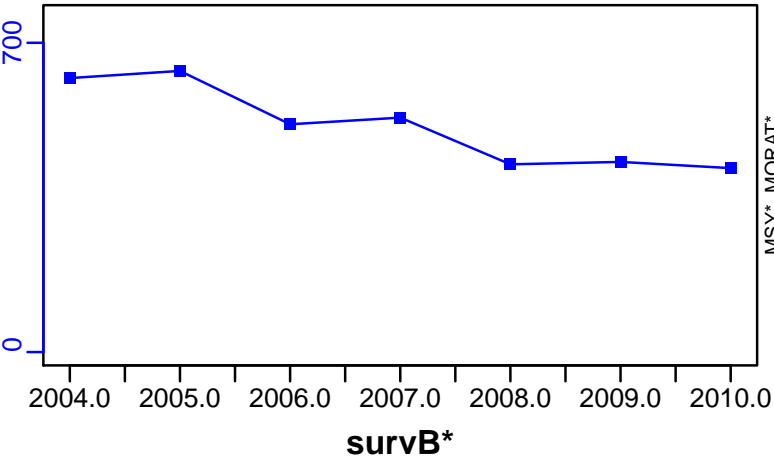


R-E00 (2004–2010–OSIO)



Spottail mantis shrimp Ligurian and North Tyrrhenian Sea [SMSHRMPMEDGSA9]

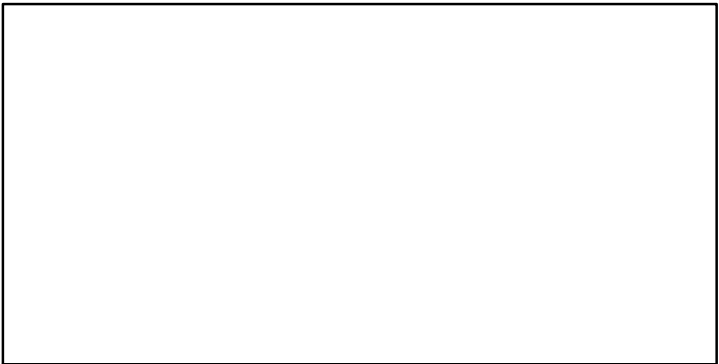
TC-MT, TL*, RecC* (2004–2010–OSIO)



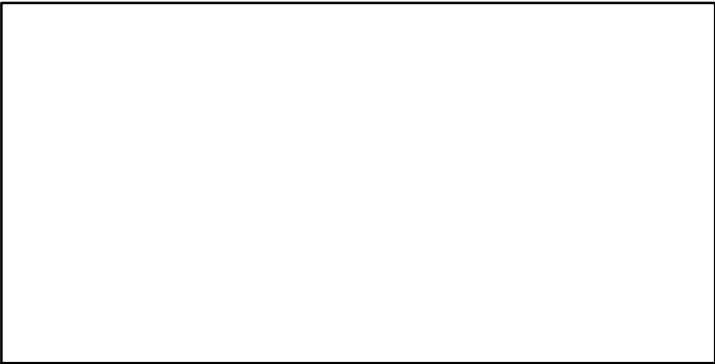
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Surmullet Malta Island and South of Sicily [SMULLMEDGSA15-16]

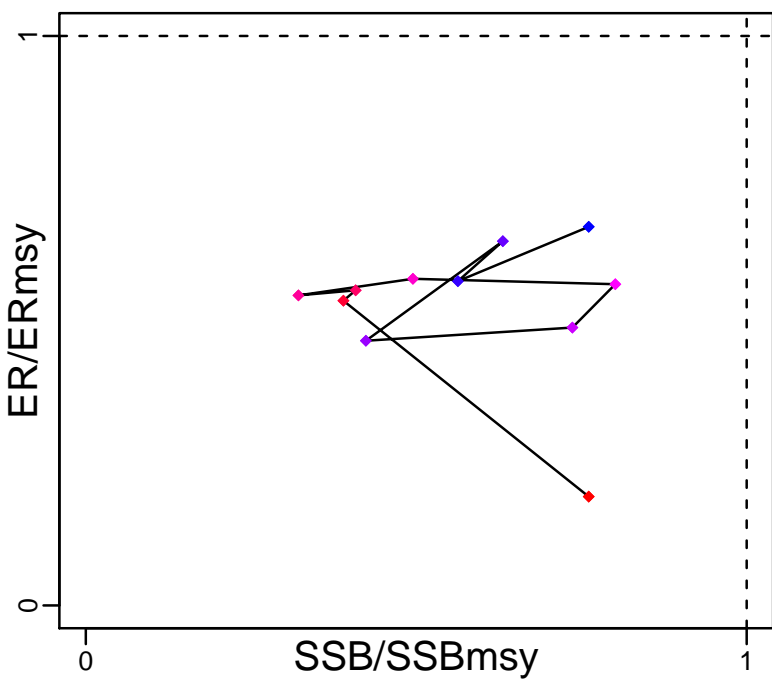
Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	STECF-SMULLMEDGSA15-16-2002-2012-OSIO
Area	Malta Island and South of Sicily (GSA 15, 16)
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2012	3233
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2012	0.65
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2012	5178
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

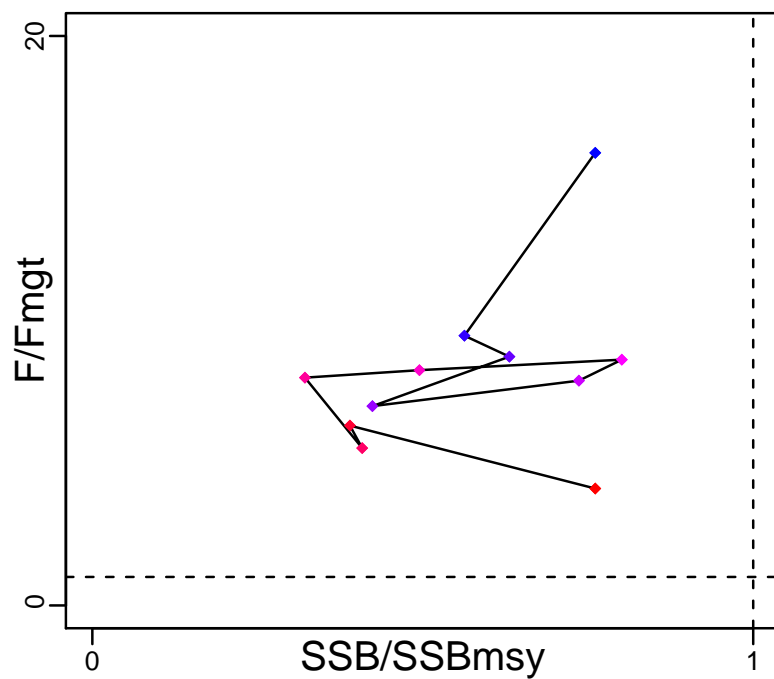
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2012	0.19		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Surmullet Malta Island and South of Sicily [SMULLMEDGSA15–16]

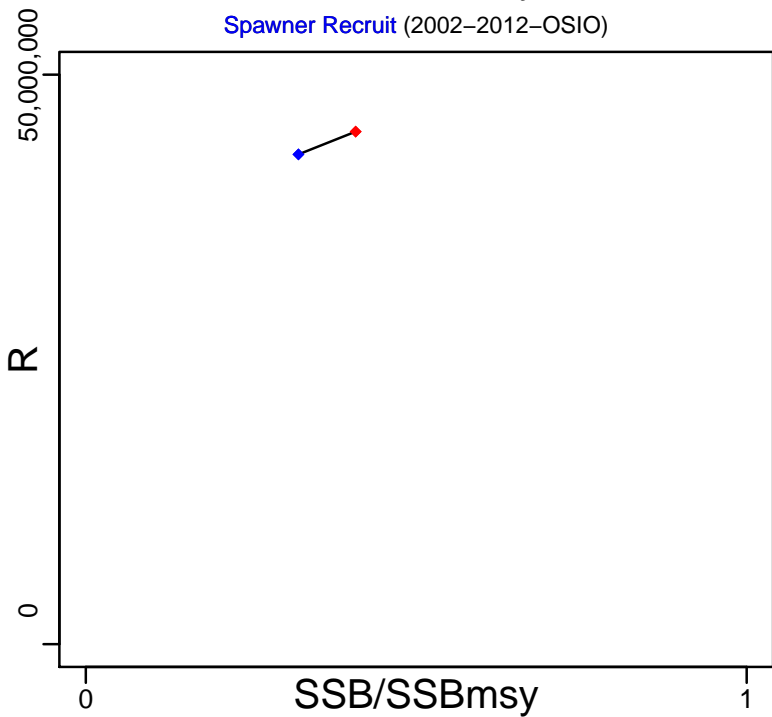
Kobe MSYpref (2002–2012–OSIO)



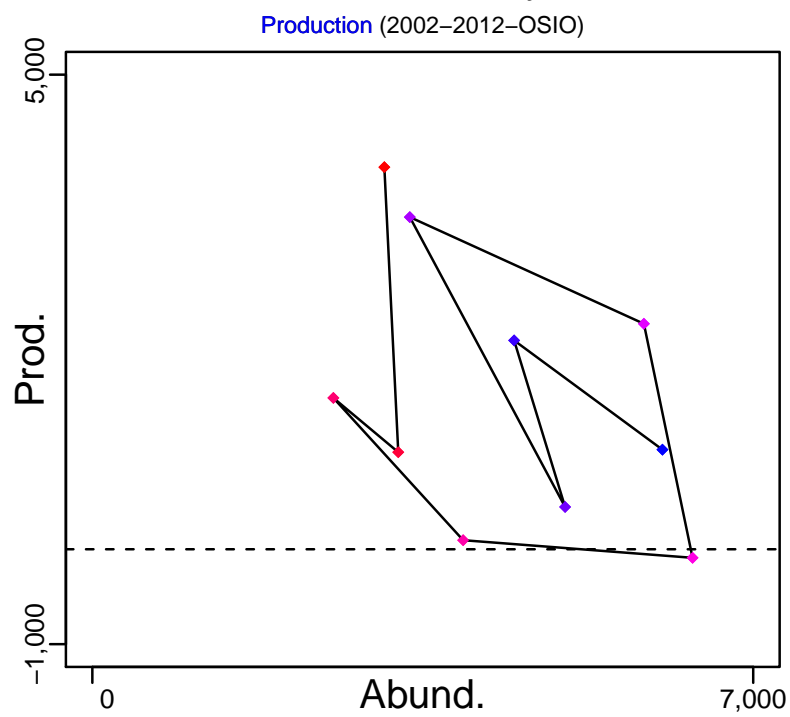
Kobe MGTpref (2002–2012–OSIO)



Spawner Recruit (2002–2012–OSIO)



Production (2002–2012–OSIO)



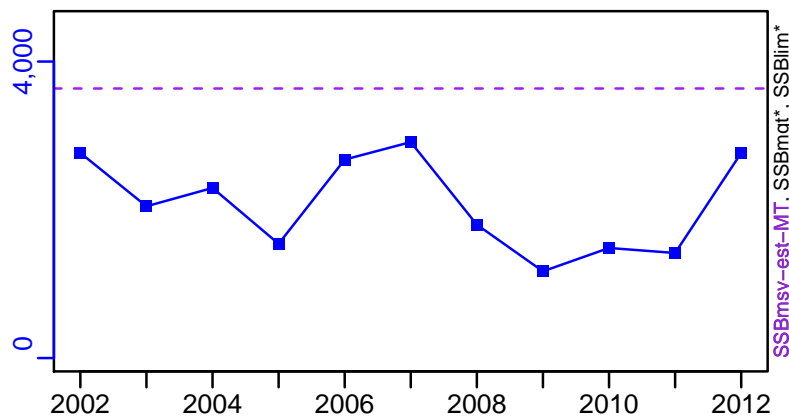
◆ Start Year ◆ End Year * No Data

Surmullet Malta Island and South of Sicily [SMULLMEDGSA15–16]

TB*



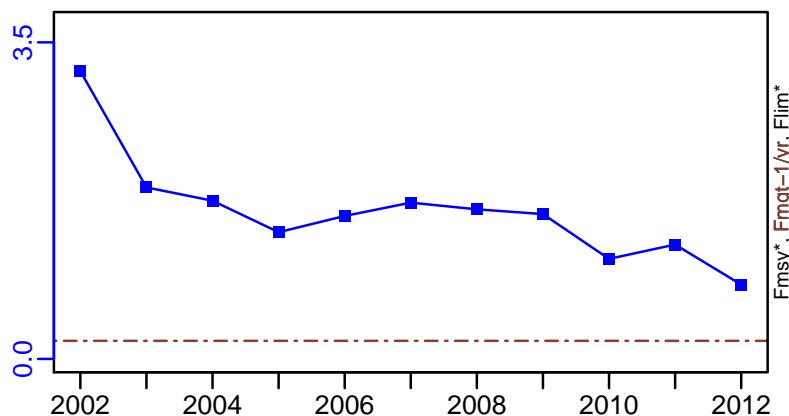
SSB-MT (2002–2012–OSIO)



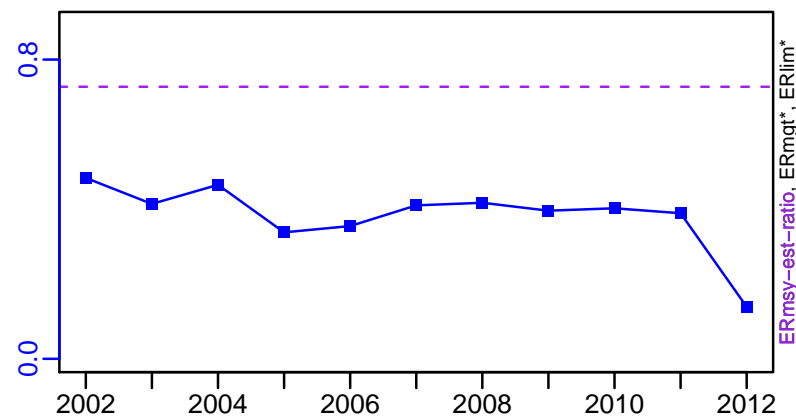
TN *



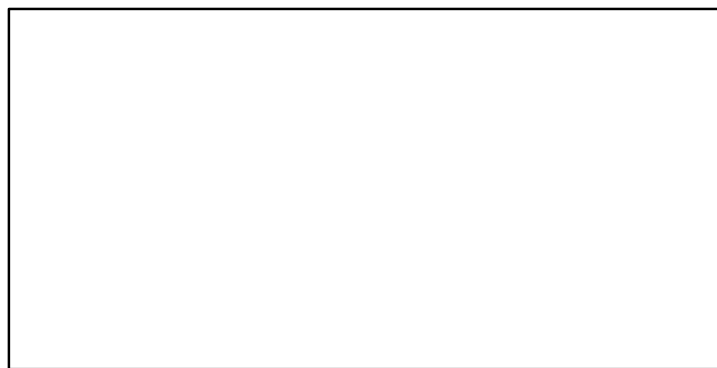
F-1/yr (2002–2012–OSIO)



ER-calc-ratio (2002–2012–OSIO)



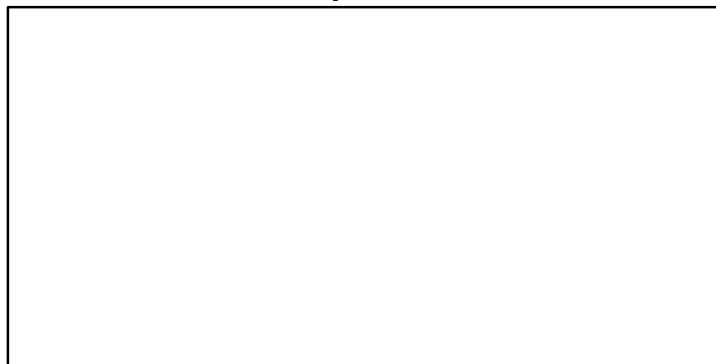
Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



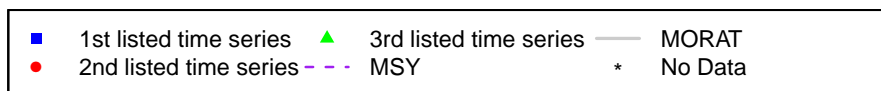
survB*



CPUE*



EFFORT*



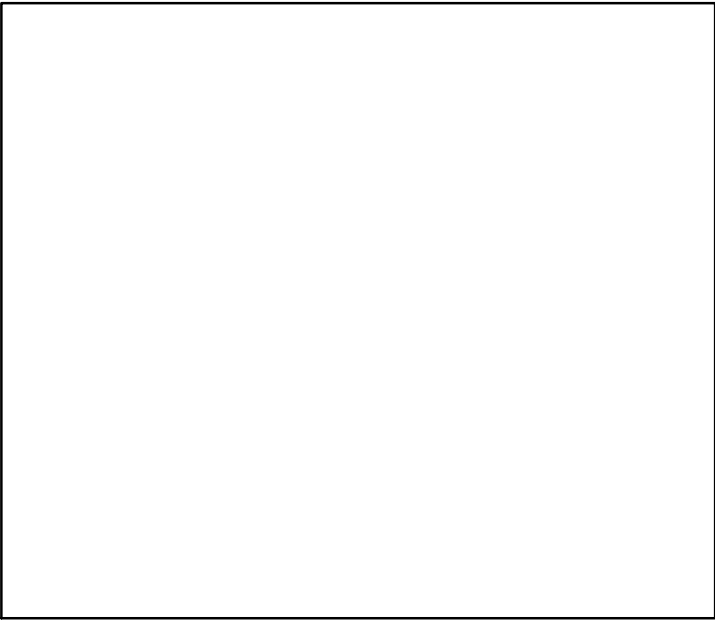
Surmullet Balearic Island [SMULLMEDGSA5]

Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	STECF-SMULLMEDGSA5-2000-2012-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

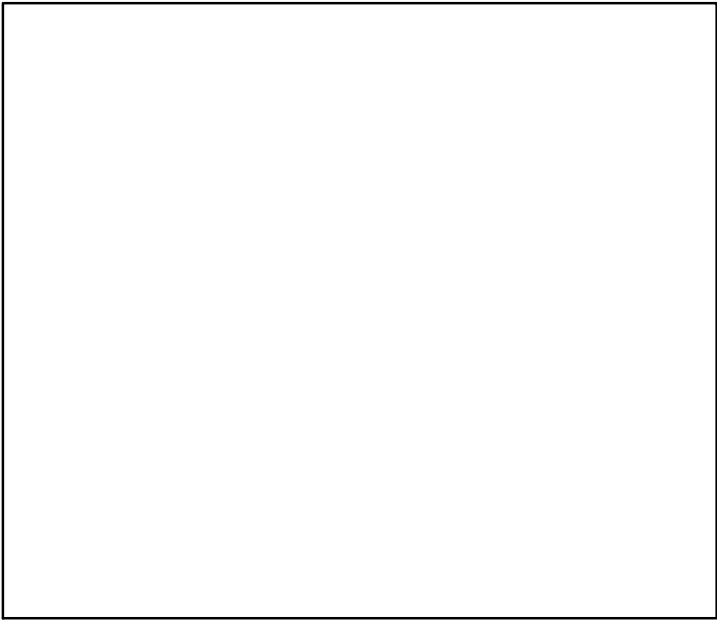
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2012	0.18
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2012	116	-	2+
TN	-	-	-	-	-
R	R-E00	2012	2,240,000	-	-
F	F-1/yr	2012	0	-	-
ER	ER-calc-ratio	2012	0	-	-
TC	TC-MT	2012	67.3		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2012	2.64		
ER/ERmgt	-	-	-		

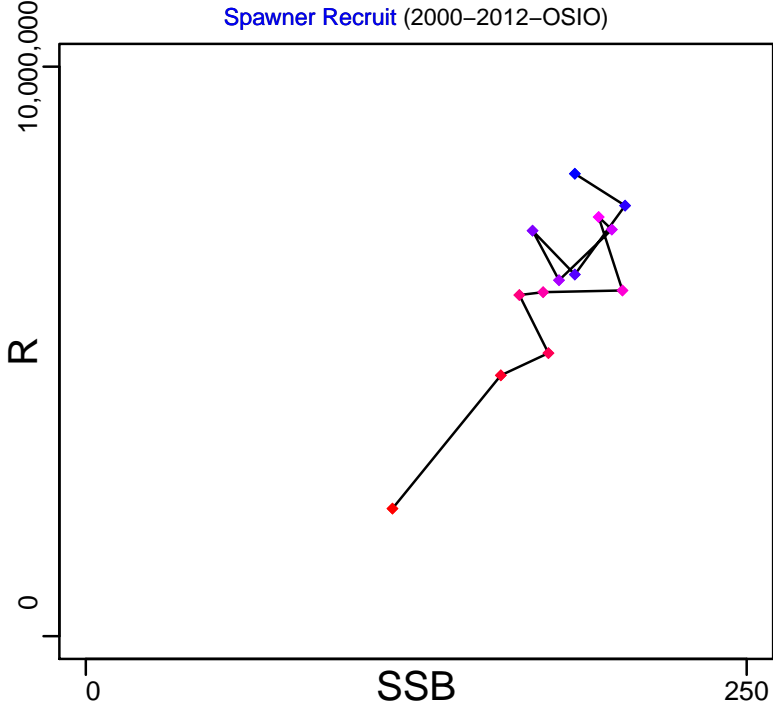
Kobe MSY*



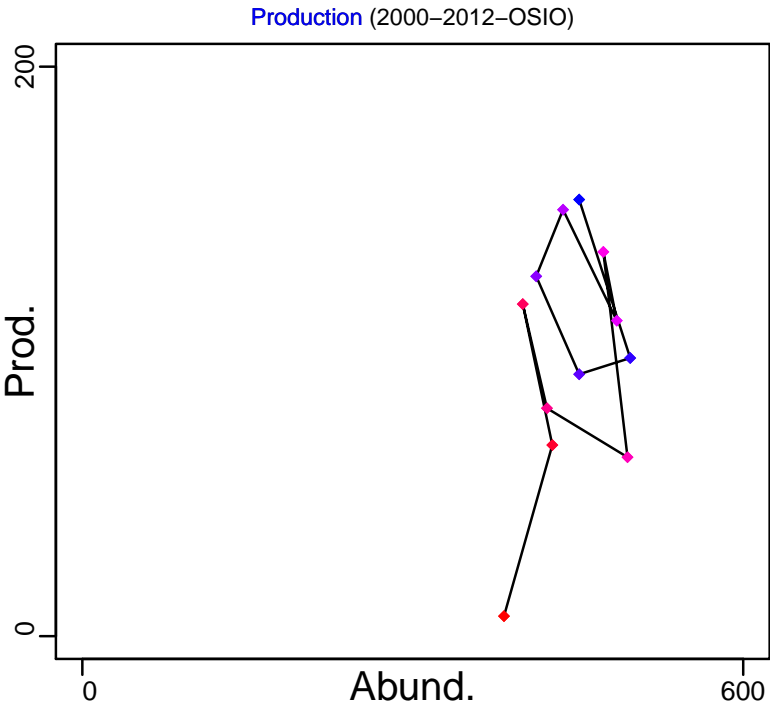
Kobe MGT*



Spawner Recruit (2000–2012–OSIO)



Production (2000–2012–OSIO)



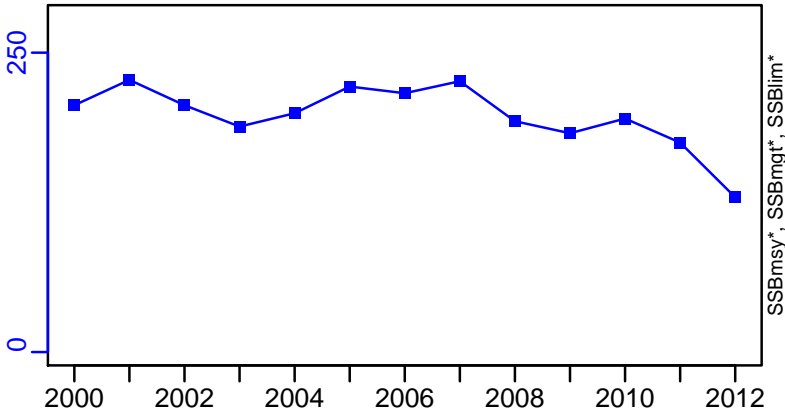
◆ Start Year ◆ End Year * No Data

Surmullet Balearic Island [SMULLMEDGSA5]

TB*



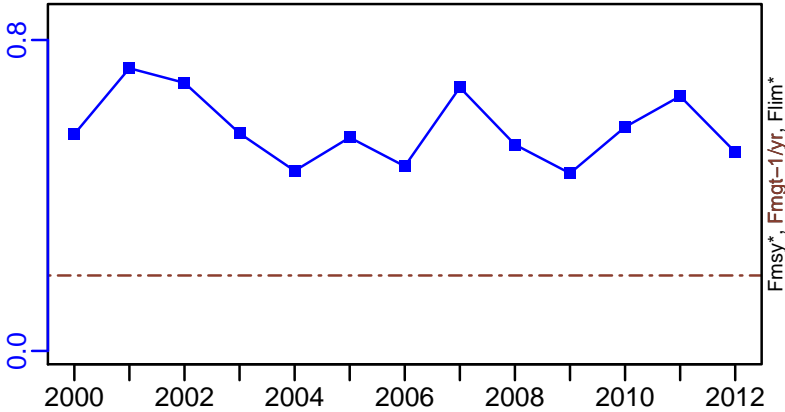
SSB-MT (2000–2012–OSIO)



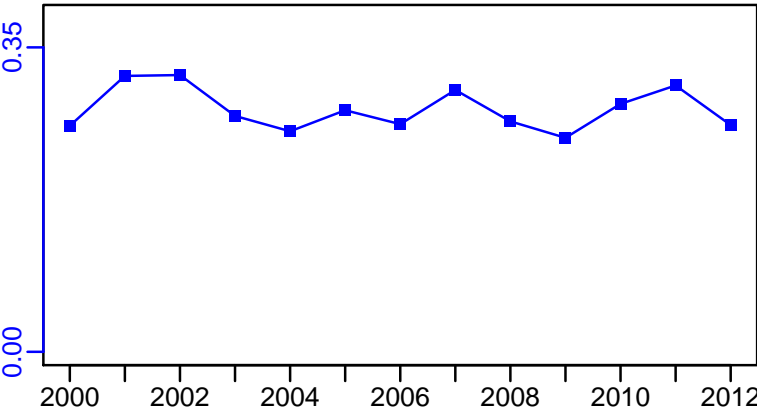
TN *



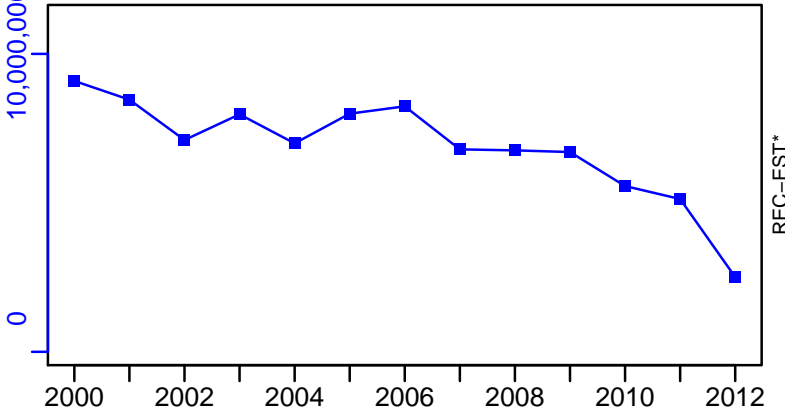
F-1/yr (2000–2012–OSIO)



ER-calc-ratio (2000–2012–OSIO)

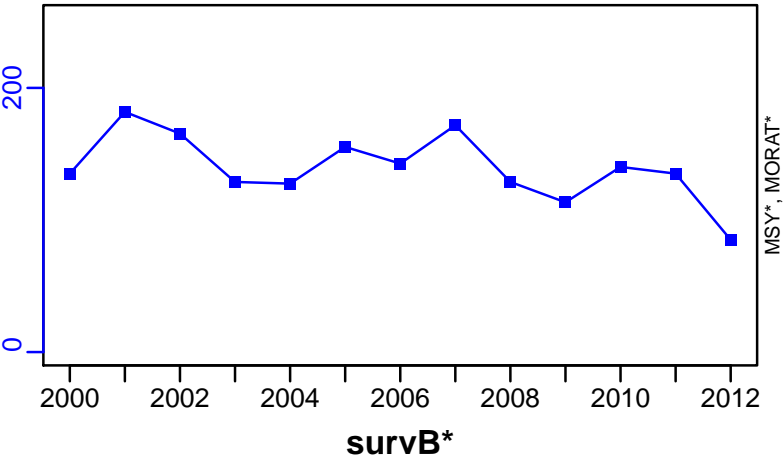


R-E00 (2000–2012–OSIO)



Surmullet Balearic Island [SMULLMEDGSA5]

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



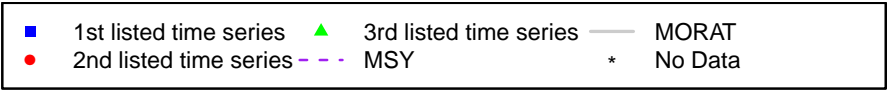
TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

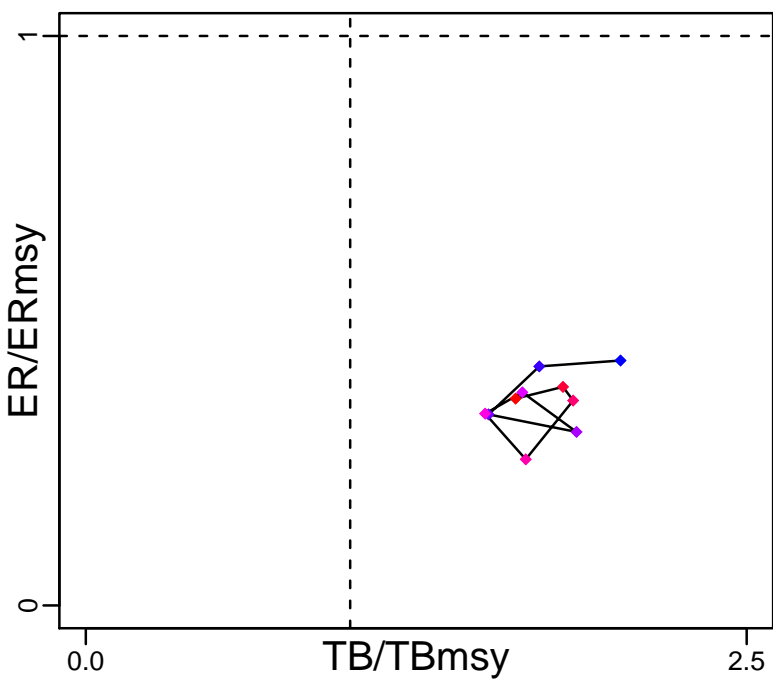
Metadata	
Scientific Name	Mullus surmuletus
Current Assess ID	STECF-SMULLMEDGSA9-2006-2015-OSIO
Area	Ligurian and North Tyrrhenian Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	TBmsy-est-MT	2015	781
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-est-ratio	2015	0.56
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2010	0.31
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2015	440
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

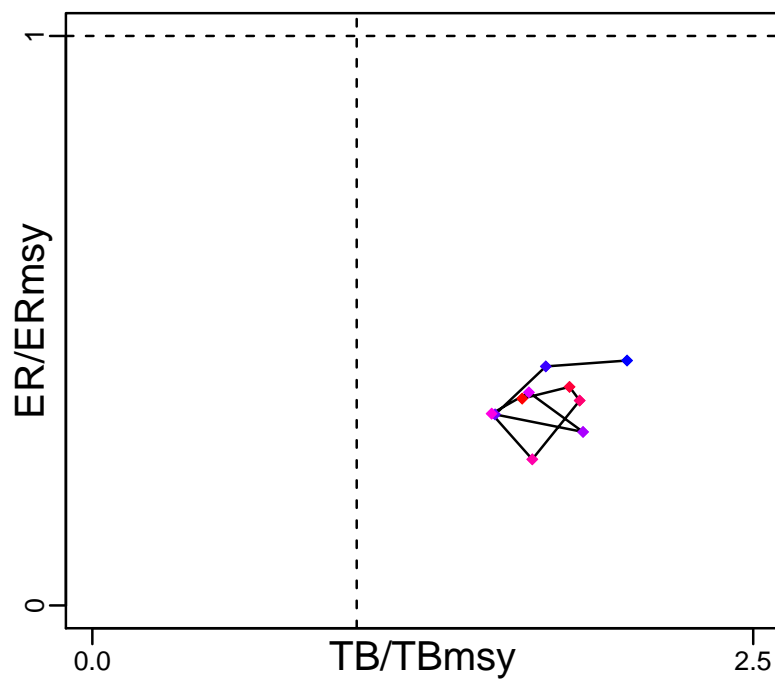
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2015	1270	-	-
SSB	SSB-MT	2015	463	-	-
TN	-	-	-	-	-
R	R-E00	2015	16,600,000	-	-
F	F-1/yr	2015	0	-	-
ER	ER-calc-ratio	2015	0	-	-
TC	TC-MT	2015	260		
TL	TL-MT	2015	260		
TB/TBmsy	TB-MT/TBmsy-est-MT	2015	1.63		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2015	0.36		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2010	1.94		
ER/ERmgt	-	-	-		

Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

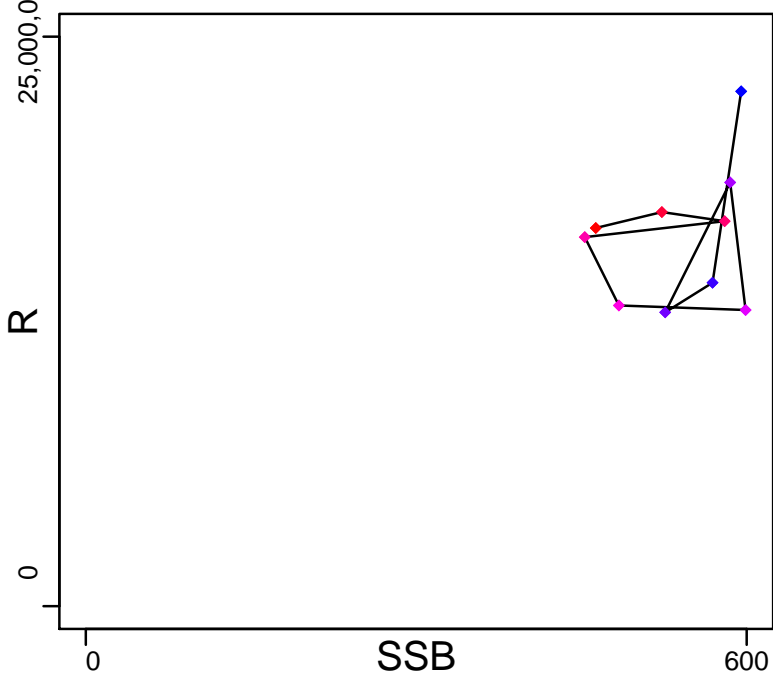
Kobe MSYpref (2006–2015–OSIO)



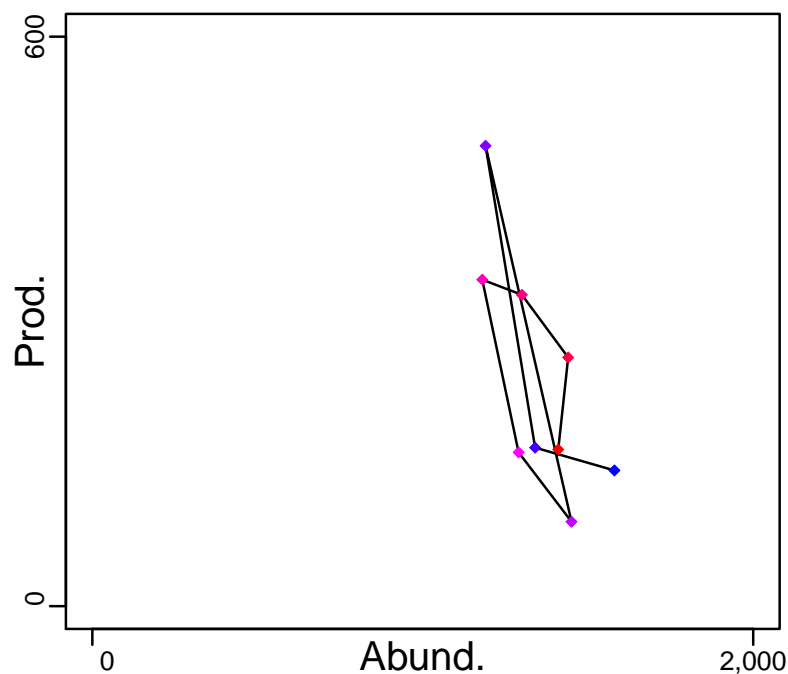
Kobe MGTpref (2006–2015–OSIO)



Spawner Recruit (2006–2015–OSIO)



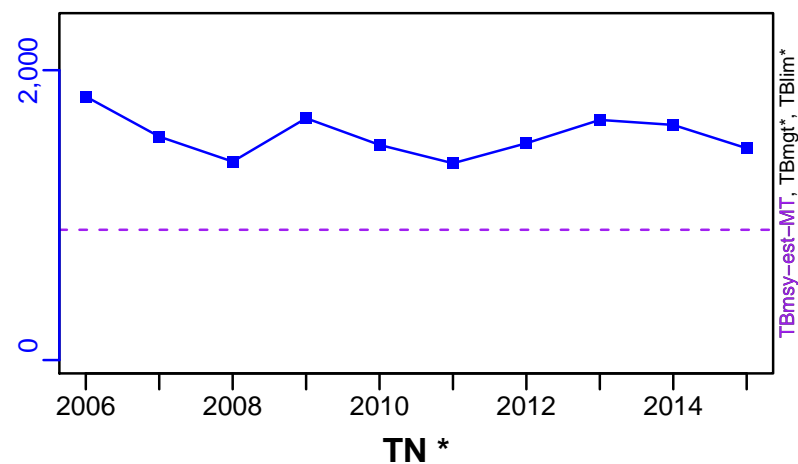
Production (2006–2015–OSIO)



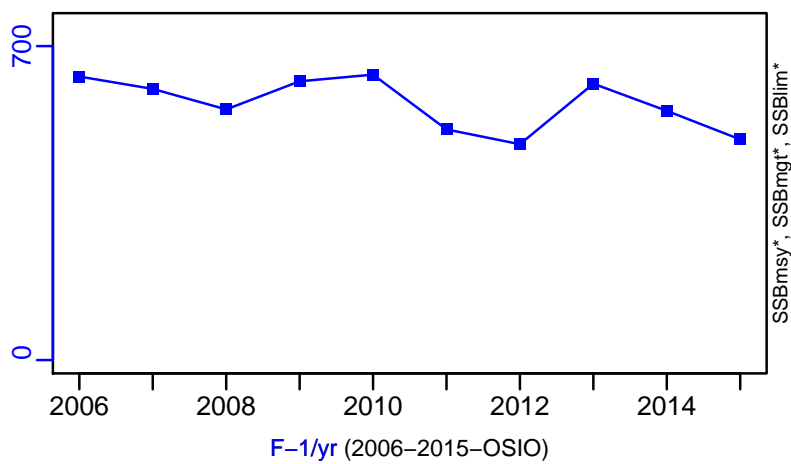
◆ Start Year ◆ End Year * No Data

Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

TB-MT (2006–2015–OSIO)



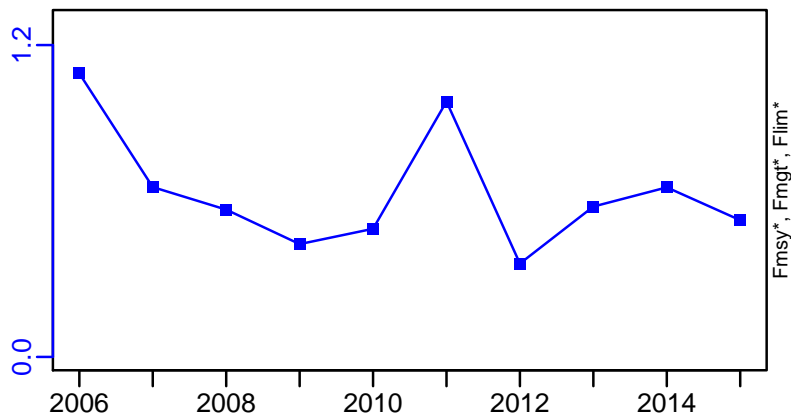
SSB-MT (2006–2015–OSIO)



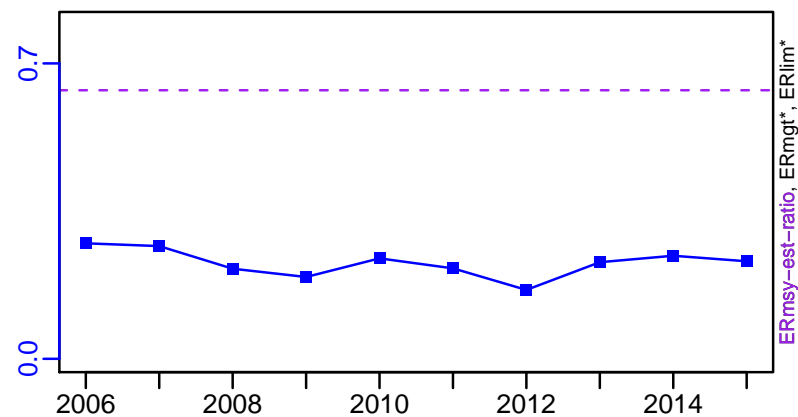
TN *



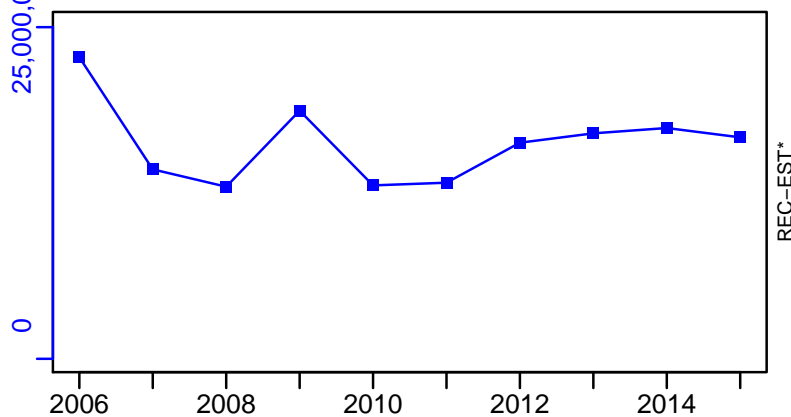
F-1/yr (2006–2015–OSIO)



ER-calc-ratio (2006–2015–OSIO)



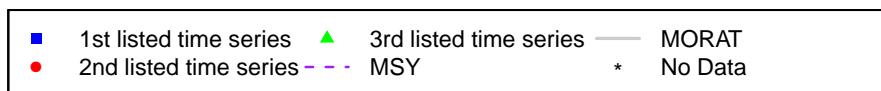
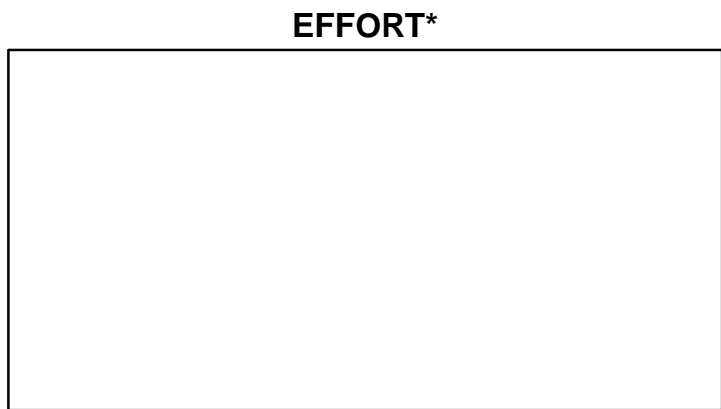
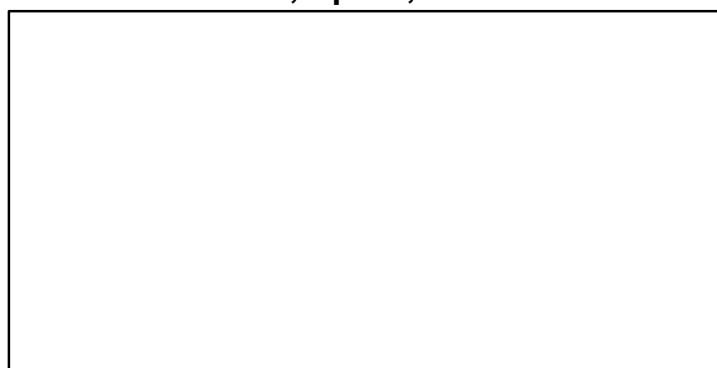
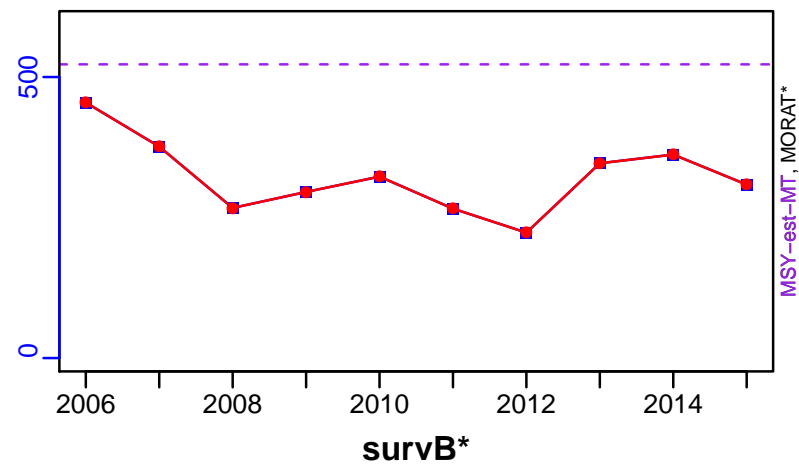
R-E00 (2006–2015–OSIO)



Surmullet Ligurian and North Tyrrhenian Sea [SMULLMEDGSA9]

TC-MT, TL-MT, RecC* (2006–2015–OSIO)

TAC*, Cpair*, Cadv*



Common Sole Northern Adriatic Sea [SOLMEDGSA17]

Metadata	
Scientific Name	Solea solea
Current Assess ID	STECF-SOLMEDGSA17-2006-2014-OSIO
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

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.26
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	2014	1450	-	-
TN	-	-	-	-	-
R	R-E00	2014	28,200,000	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	1	-	-
TC	TC-MT	2014	2050		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	2.44		
ER/ERmgt	-	-	-		

Common Sole Northern Adriatic Sea [SOLMEDGSA17]

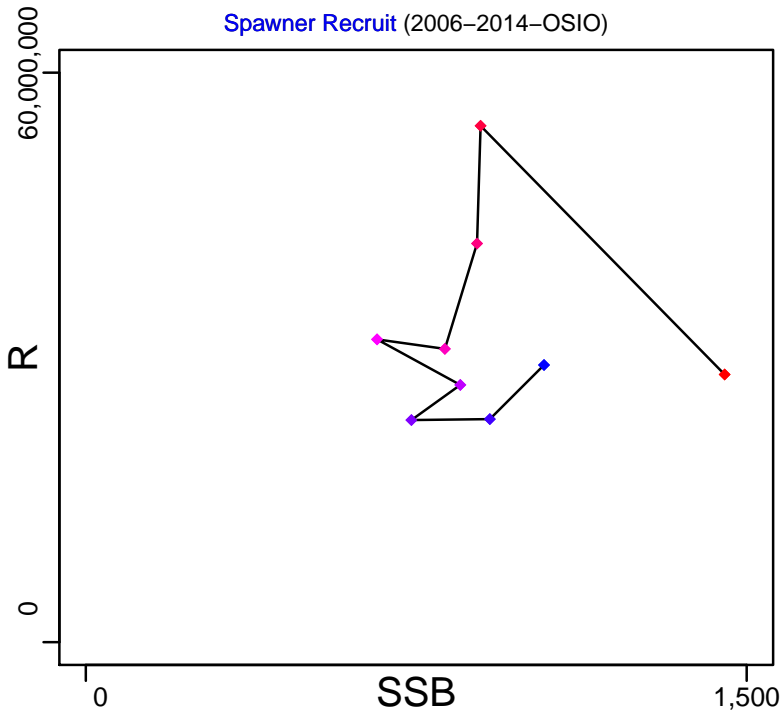
Kobe MSY*



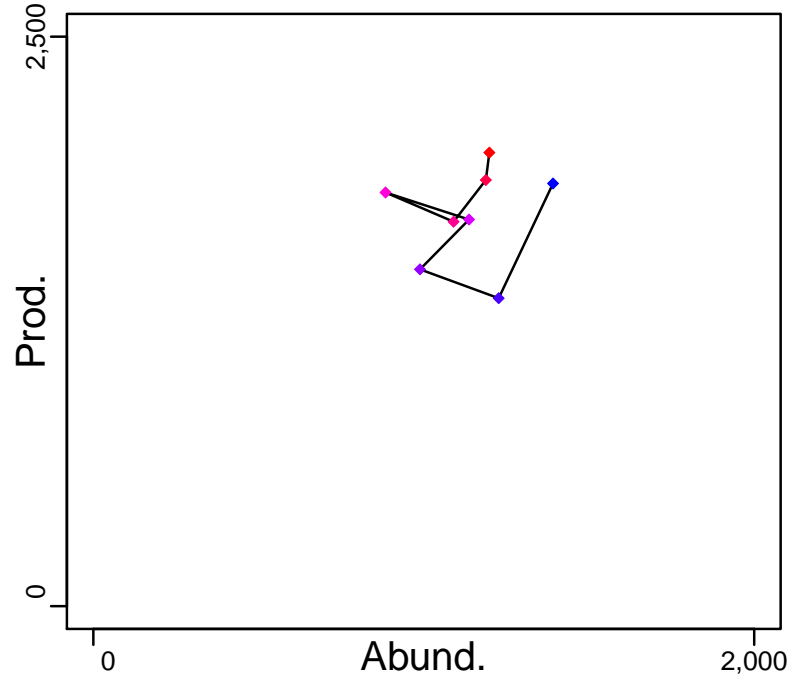
Kobe MGT*



Spawner Recruit (2006–2014–OSIO)



Production (2006–2014–OSIO)



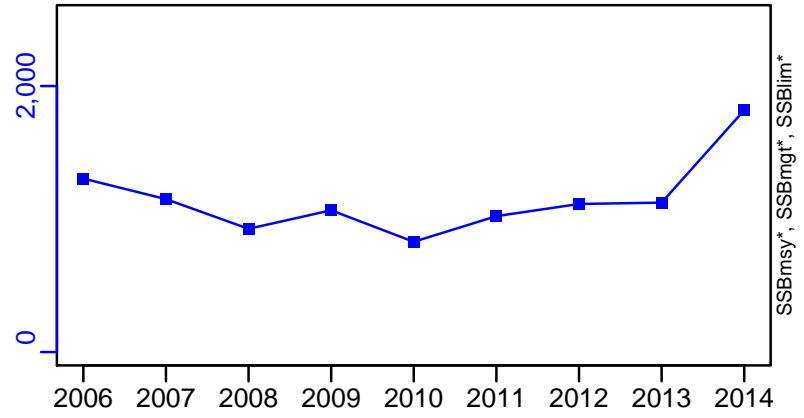
◆ Start Year ◆ End Year * No Data

Common Sole Northern Adriatic Sea [SOLMEDGSA17]

TB*



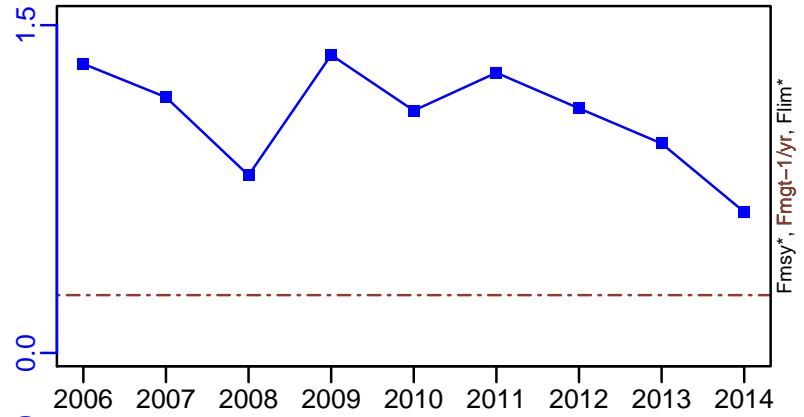
SSB-MT (2006–2014–OSIO)



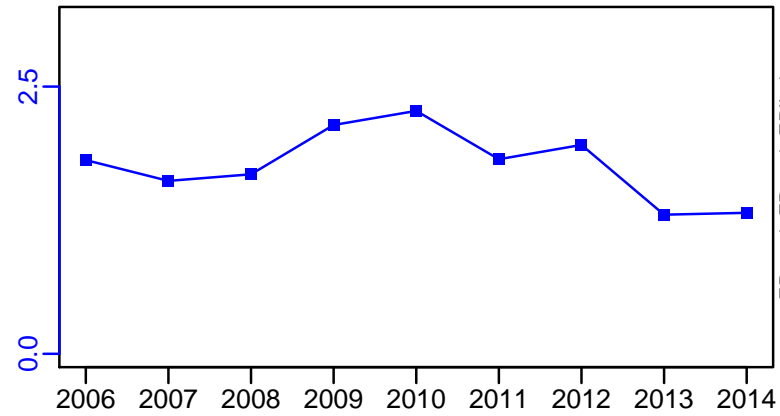
TN *



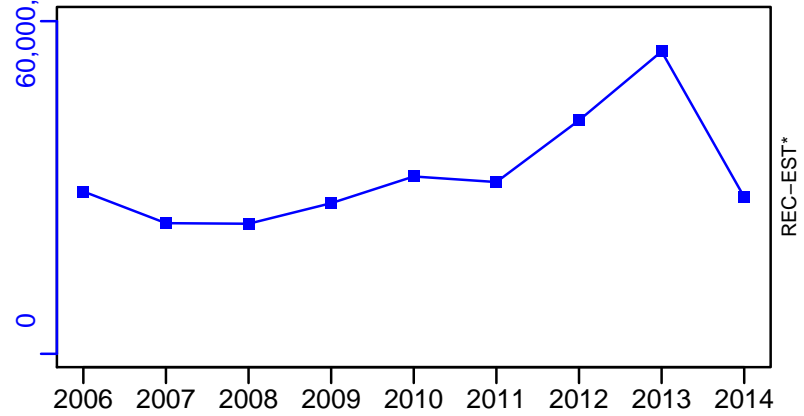
F-1/yr (2006–2014–OSIO)



ER-calc-ratio (2006–2014–OSIO)



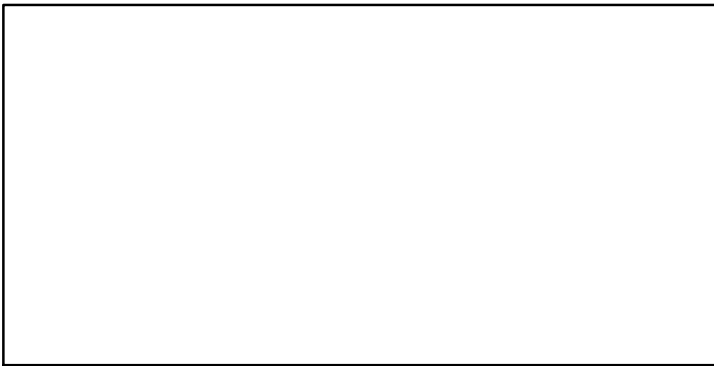
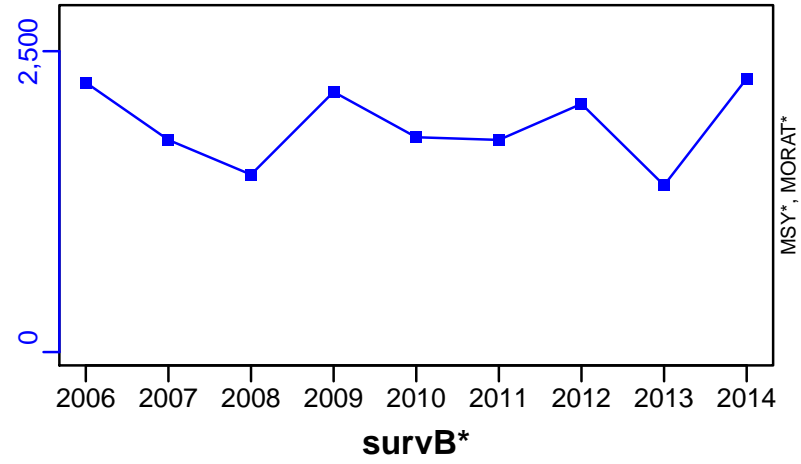
R-E00 (2006–2014–OSIO)



Common Sole Northern Adriatic Sea [SOLMEDGSA17]

TC-MT, TL*, RecC* (2006–2014–OSIO)

TAC*, Cpair*, Cadv*

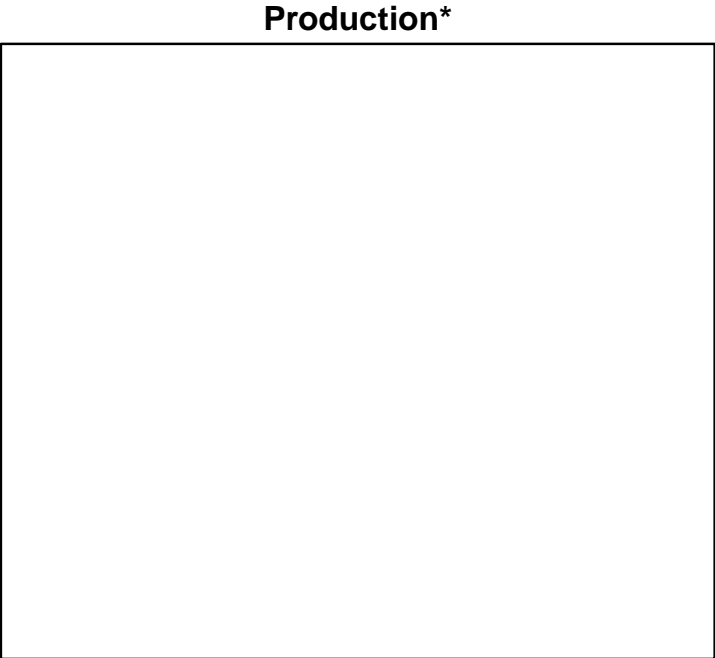
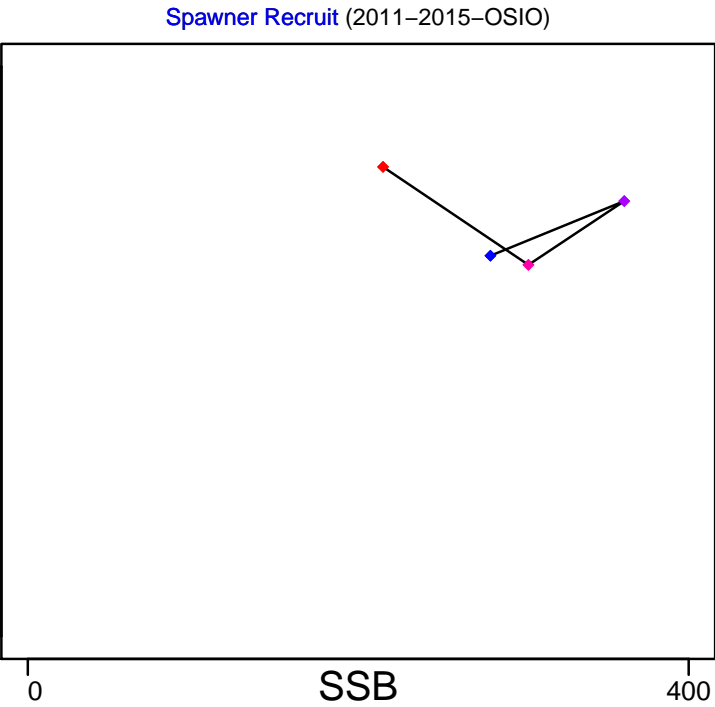
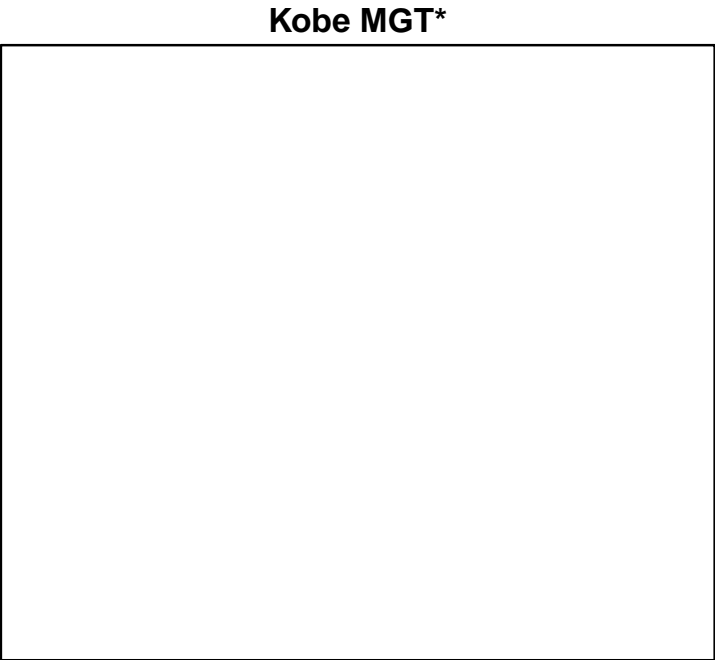
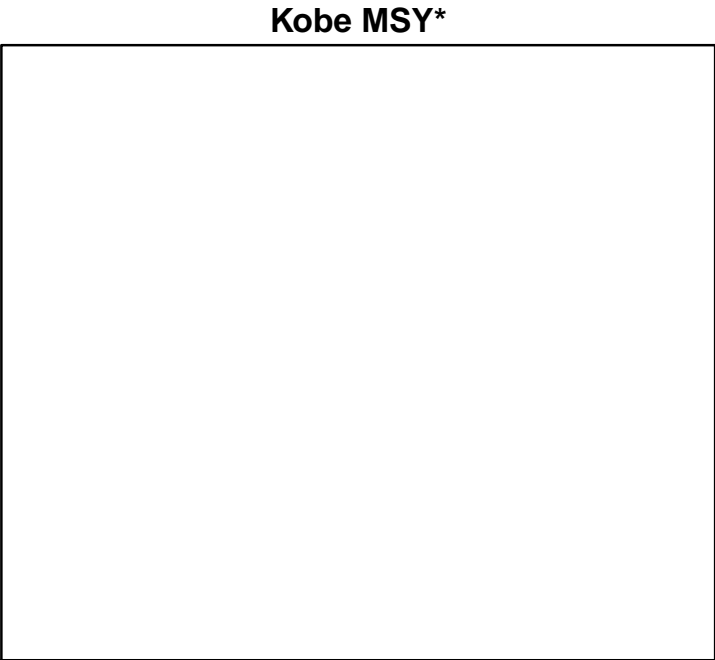


Common sole Gulf of Lions [SOLMEDGSA7]

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	-	-	-
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	1	-	-
ER	ER-calc-ratio	2015	1	-	-
TC	-	-	-		
TL	TL-MT	2015	184		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



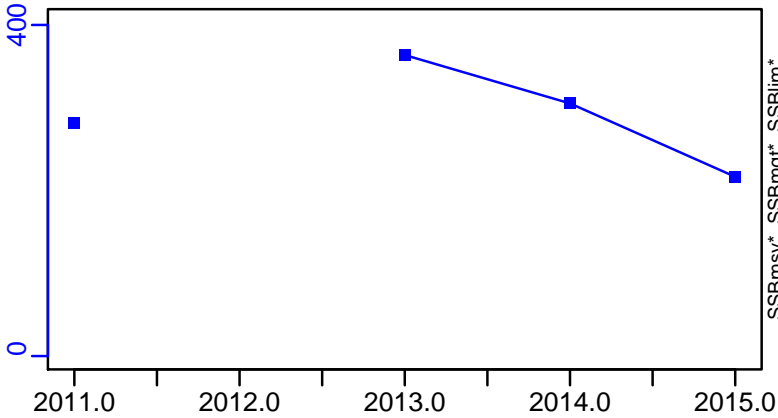
◆ Start Year ◆ End Year * No Data

Common sole Gulf of Lions [SOLMEDGSA7]

TB*



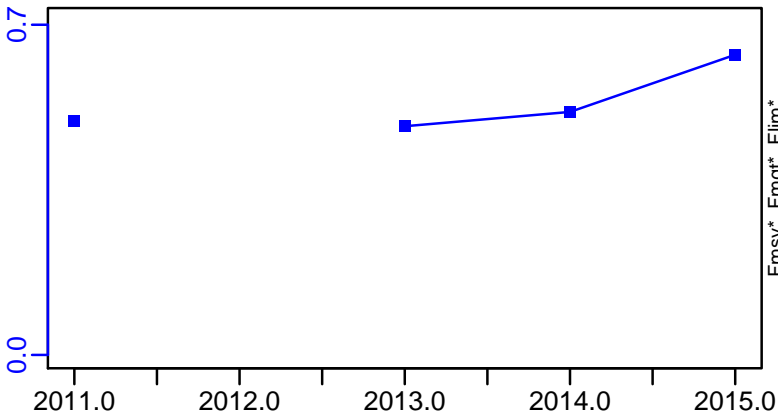
SSB-MT (2011–2015–OSIO)



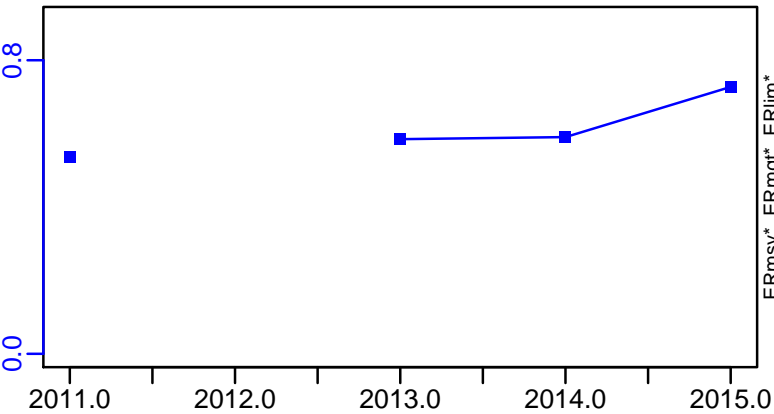
TN *



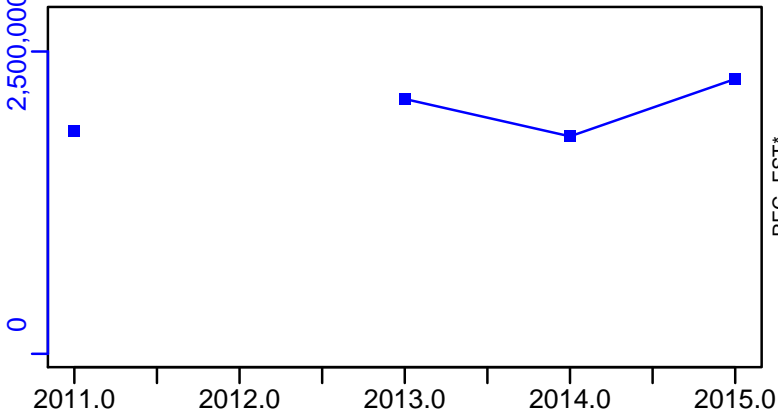
F-1/yr (2011–2015–OSIO)



ER-calc-ratio (2011–2015–OSIO)

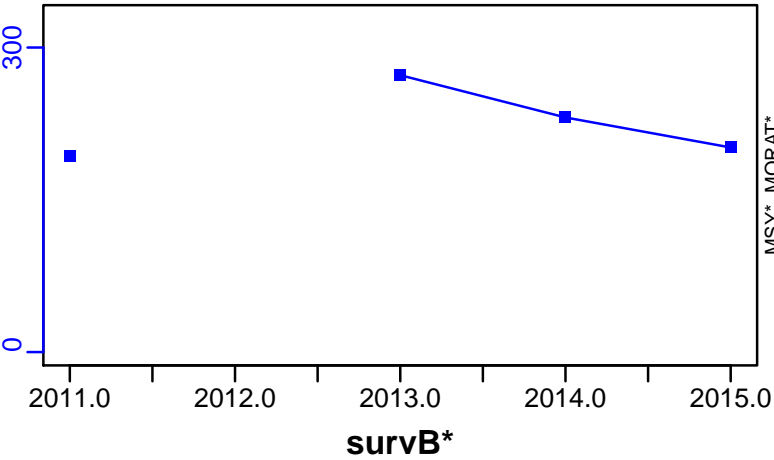


R-E00 (2011–2015–OSIO)

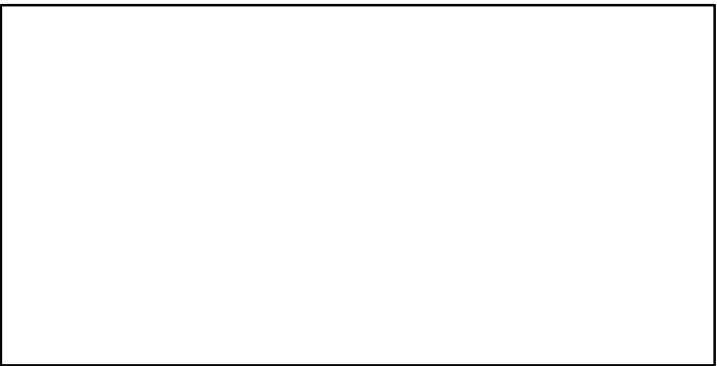


Common sole Gulf of Lions [SOLMEDGSA7]

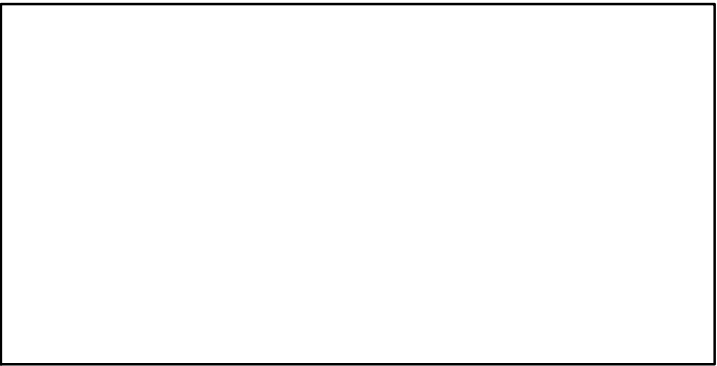
TL-MT, TC*, RecC* (2011-2015-OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



Sprat Black Sea [SPRBLKGSA29]

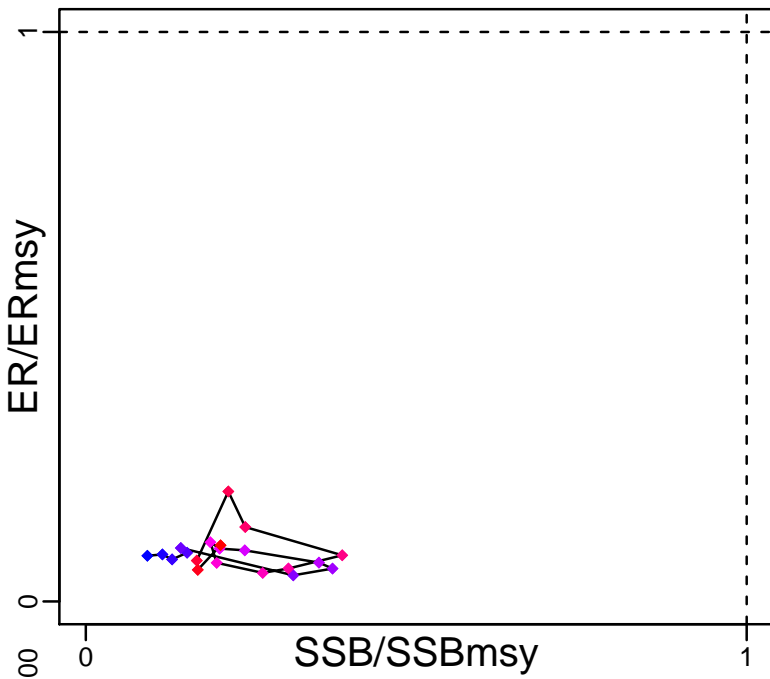
Metadata	
Scientific Name	Sprattus sprattus
Current Assess ID	STECF-SPRBLKGSA29-1995-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2010, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	1,363,426
Fmsy	Fmsy-1/yr	2014	0.64
ERmsy	ERmsy-est-ratio	2014	0.28
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.64
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	2,905,266
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	Flim-1/yr	2010	0.64
ERlim	-	-	-

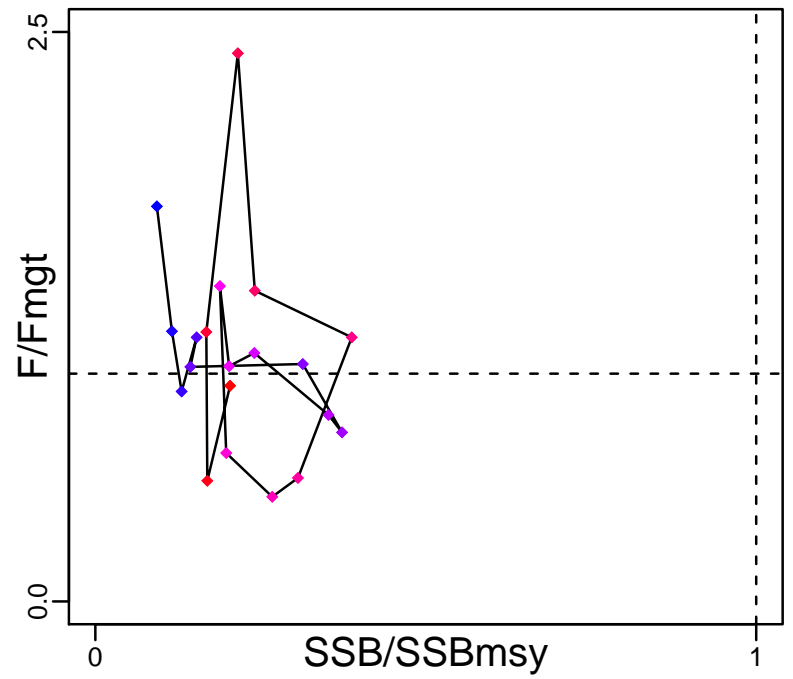
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	278,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	1.52×10^{11}	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	58,400		
TL	TL-MT	2010	91,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.2		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.95		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	0.1		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.95		
ER/ERmgt	-	-	-		

Sprat Black Sea [SPRBLKGSA29]

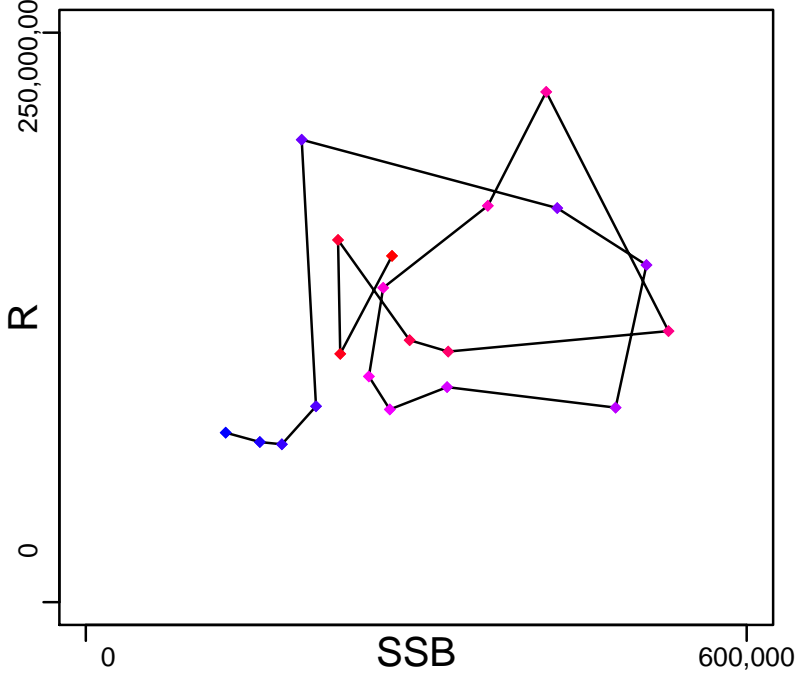
Kobe MSYpref (1995–2014–OSIO)



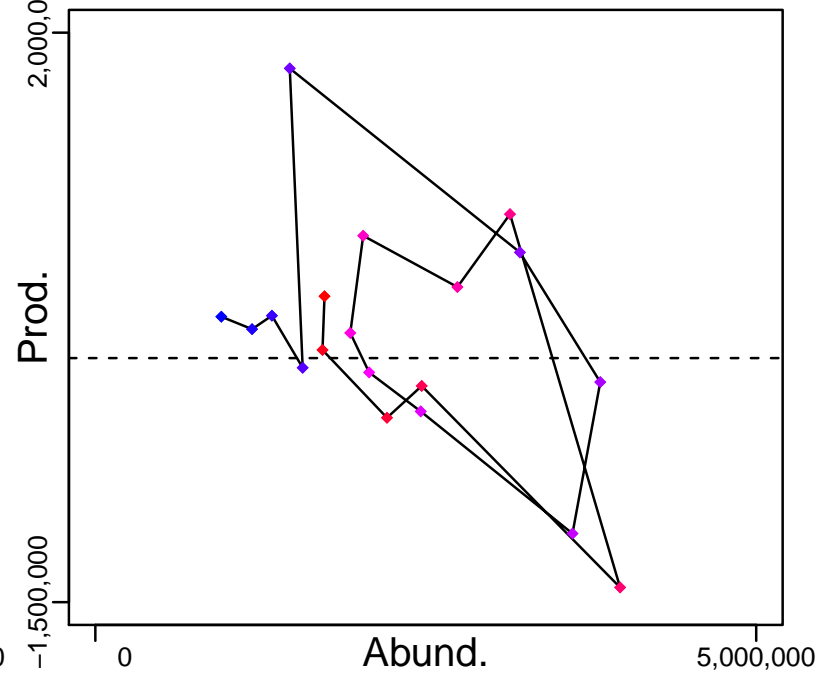
Kobe MGTpref (1995–2014–OSIO)



Spawner Recruit (1995–2014–OSIO)



Production (1995–2014–OSIO)



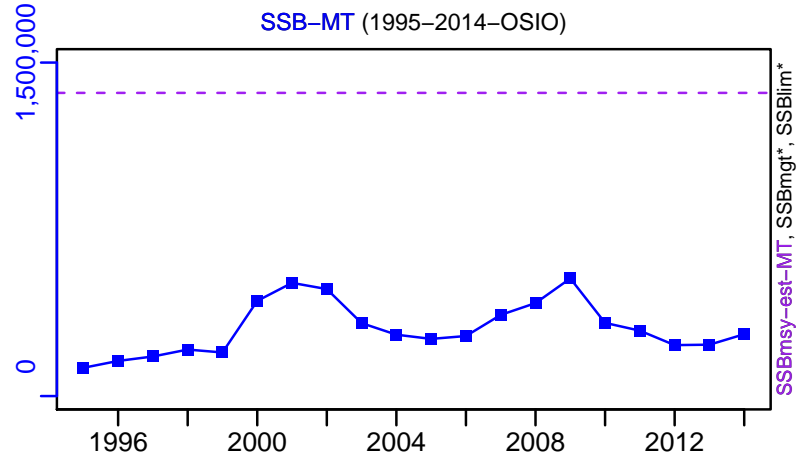
◆ Start Year ◆ End Year * No Data

Sprat Black Sea [SPRBLKGSA29]

TB*



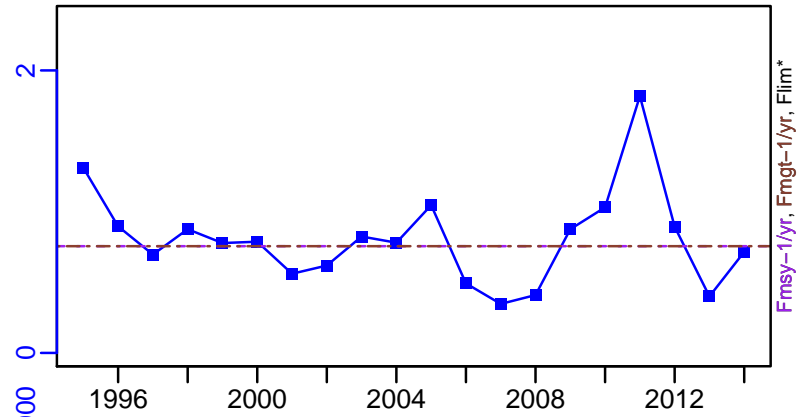
SSB-MT (1995–2014–OSIO)



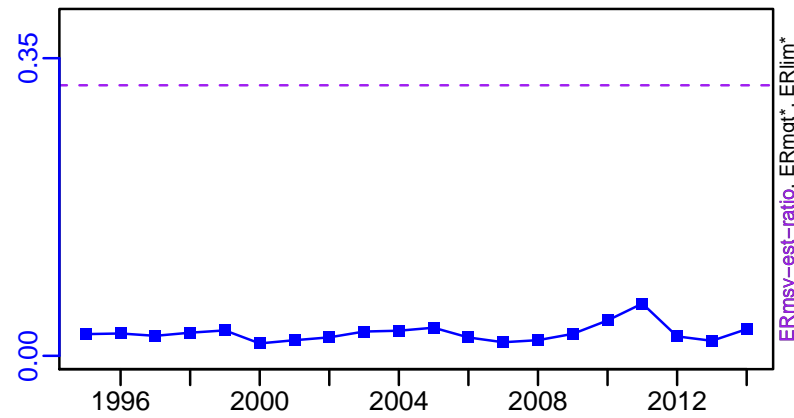
TN *



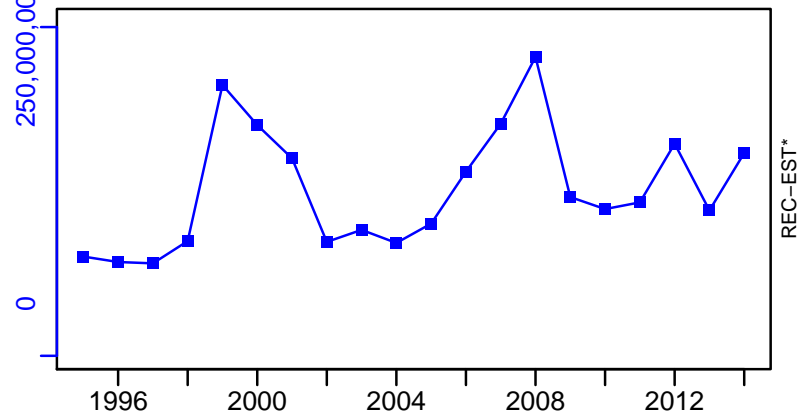
F-1/yr (1995–2014–OSIO)



ER-calc-ratio (1995–2014–OSIO)

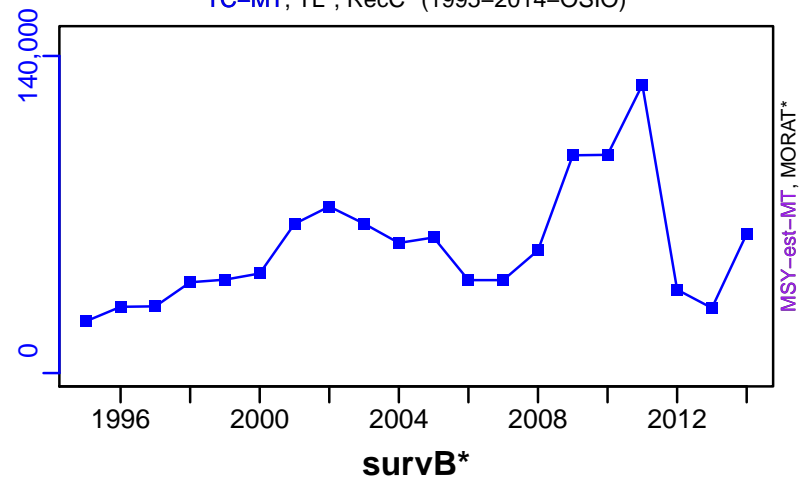


R-E00 (1995–2014–OSIO)



Sprat Black Sea [SPRBLKGSA29]

TC-MT, TL*, RecC* (1995–2014–OSIO)



TAC*, Cpair*, Cadv*



CPUE*



EFFORT*



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

Swordfish Mediterranean Sea [SWORDMED]

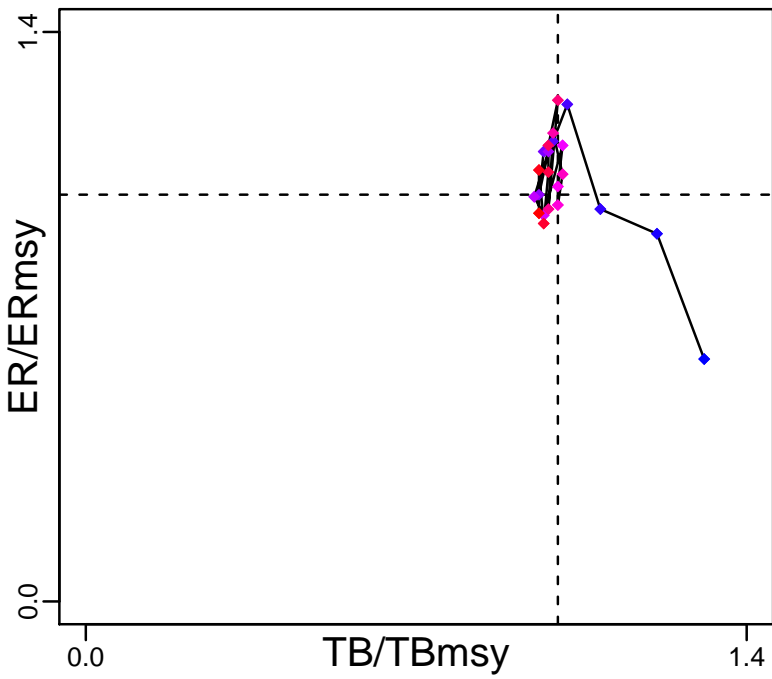
Metadata	
Scientific Name	Xiphias gladius
Current Assess ID	ICCAT-SWORDMED-1950-2009-CHING
Area	Mediterranean Sea
Management Authority	International Commission for the Conservation of Atlantic Tunas
Assessor	International Commission for the Conservation of Atlantic Tunas
Asmts in RAM	2009

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	0.2
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-MT	2009	14,600
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

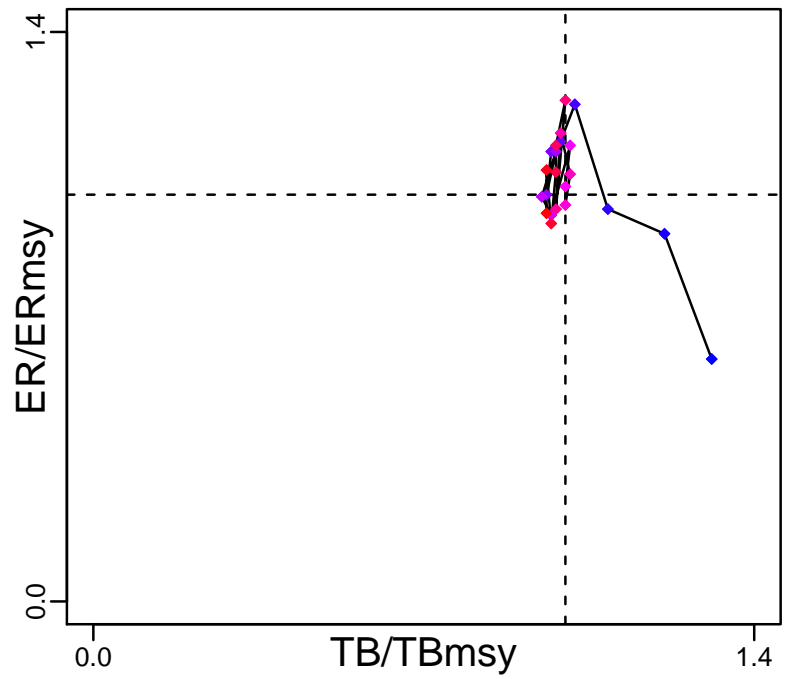
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	TB-MT	2009	64,600	-	-
SSB	SSB-MT	2009	33,600	-	3+
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2009	0	-	-
TC	TC-MT	2009	9340		
TL	-	-	-		
TB/TBmsy	TBdivTBmsy-dimensionless	2009	0.96		
SSB/SSBmsy	-	-	-		
F/Fmsy	FdivFmsy-dimensionless	2009	0.89		
ER/ERmsy	ER-ratio/ERmsy-calc-ratio	2009	0.95		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Swordfish Mediterranean Sea [SWORDMED]

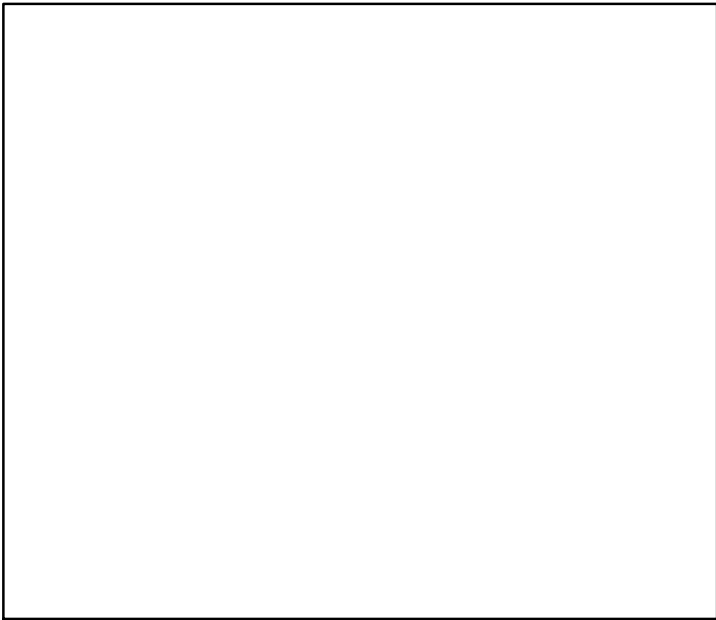
Kobe MSYpref (1950–2009–CHING)



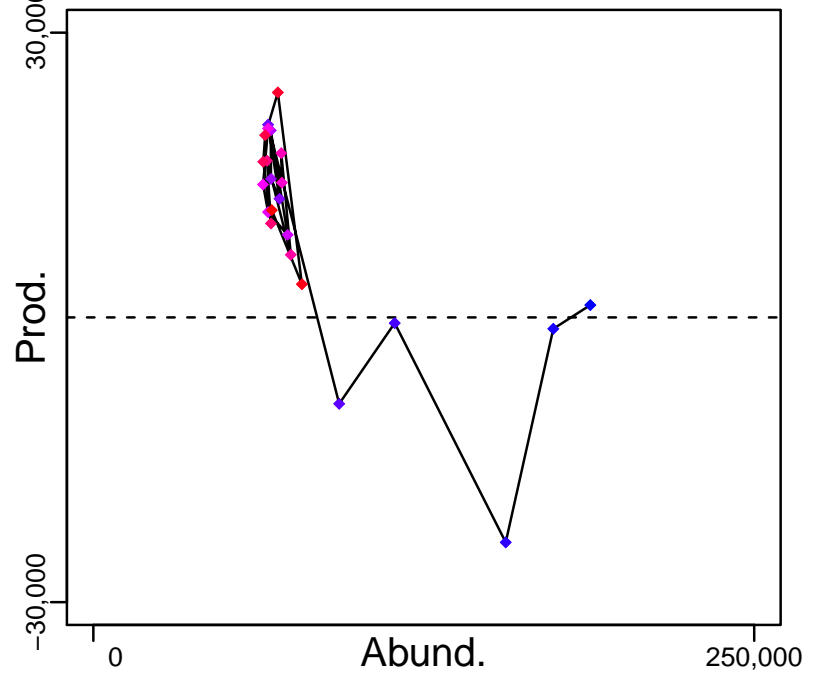
Kobe MGTpref (1950–2009–CHING)



Spawner Recruit*



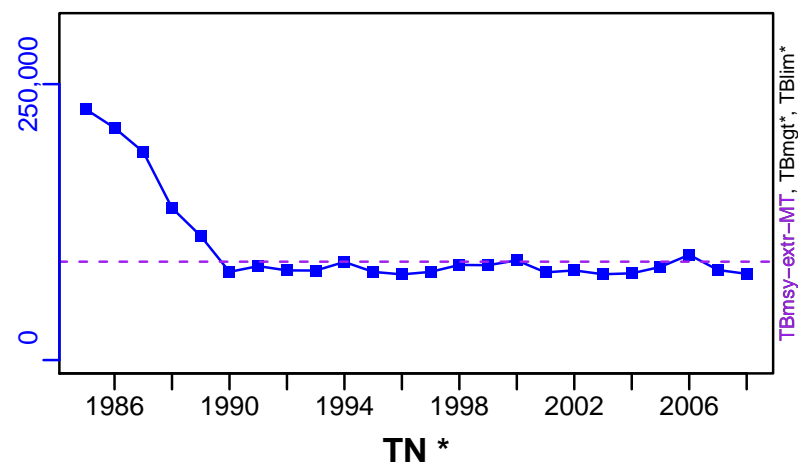
Production (1950–2009–CHING)



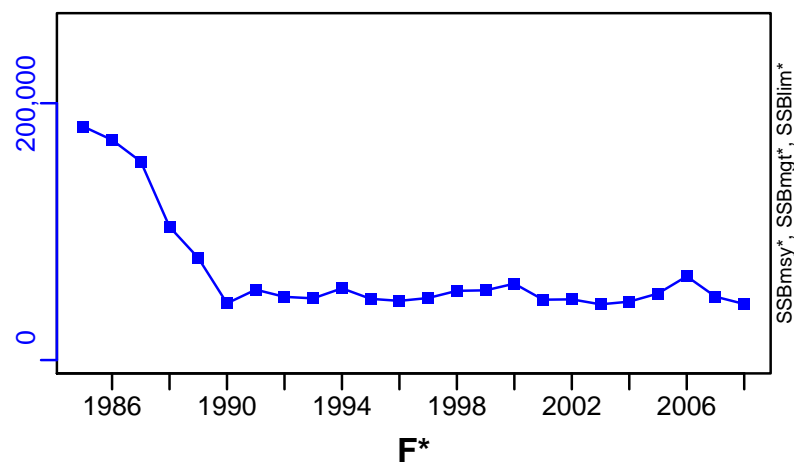
◆ Start Year ◆ End Year * No Data

Swordfish Mediterranean Sea [SWORDMED]

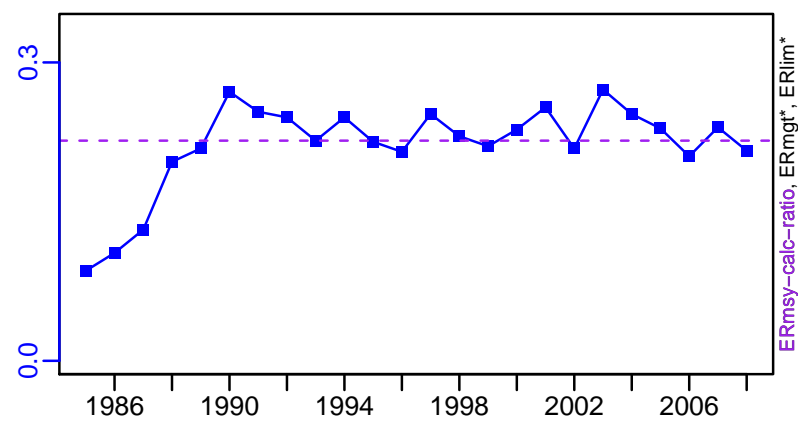
TB-MT (1950-2009-CHING)



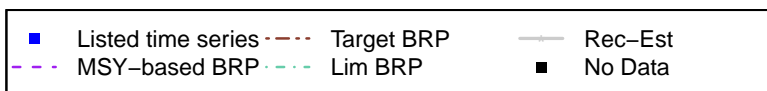
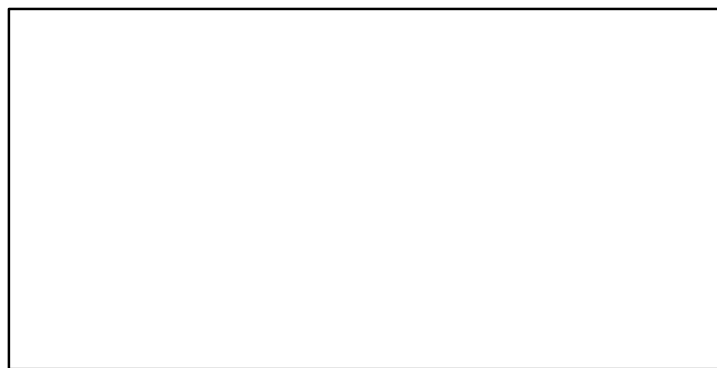
SSB-MT (1950-2009-CHING)



ER-ratio (1950-2009-CHING)



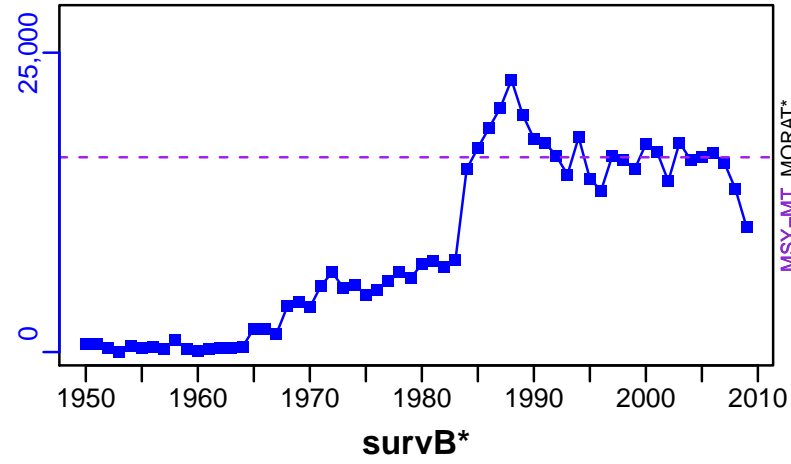
Recruits*



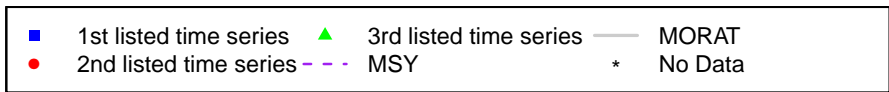
Swordfish Mediterranean Sea [SWORDMED]

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

TAC*, Cpair*, Cadv*



EFFORT*

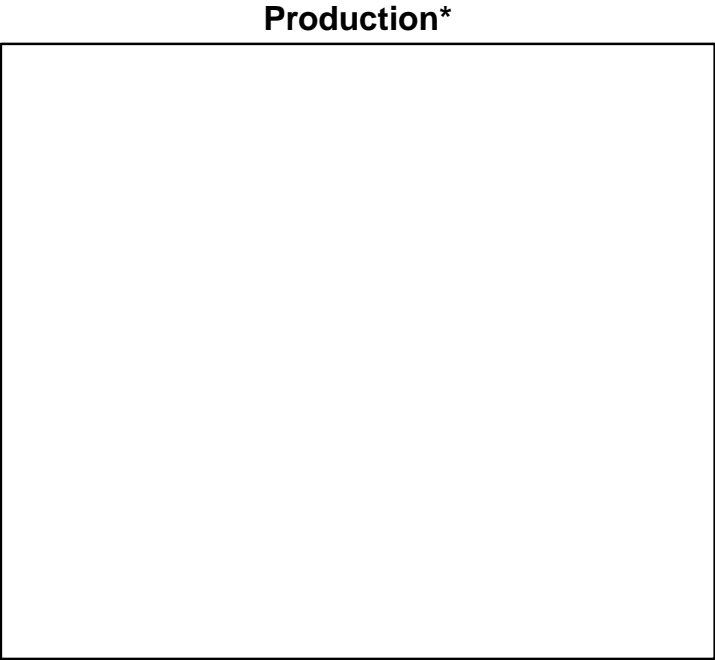
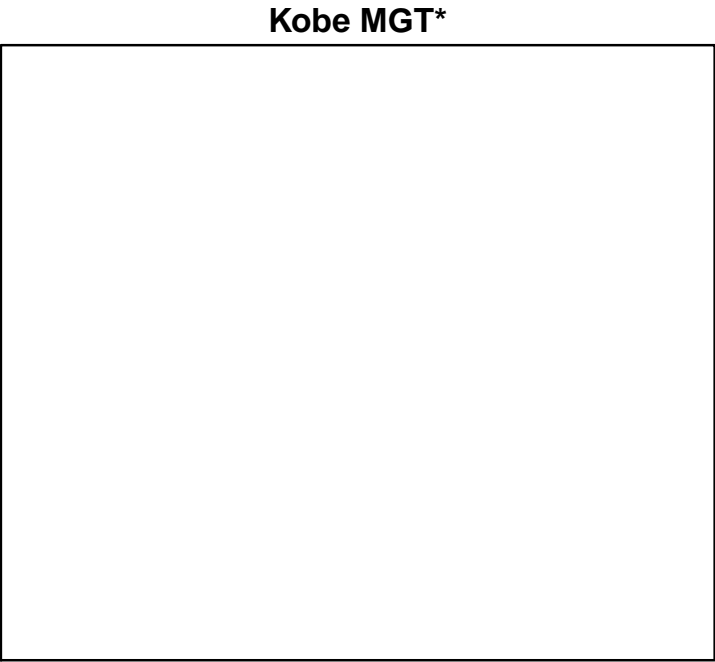


Thornback skate Black Sea [TBSKAMEDGSA29]

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	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.31		
ER/ERmgt	-	-	-		



◆ Start Year ♦ End Year * No Data

TB*



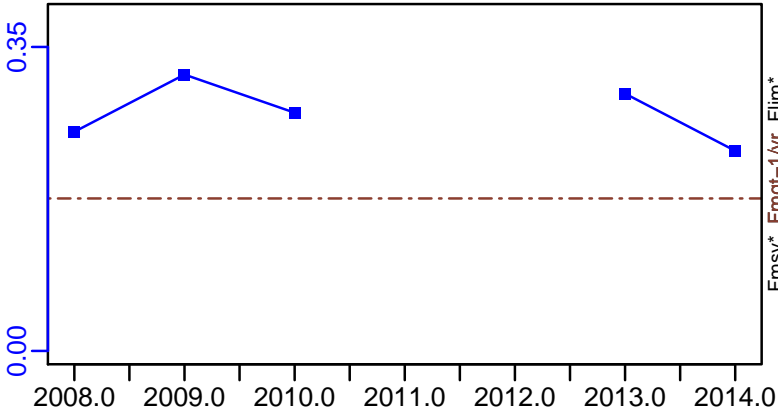
SSB*



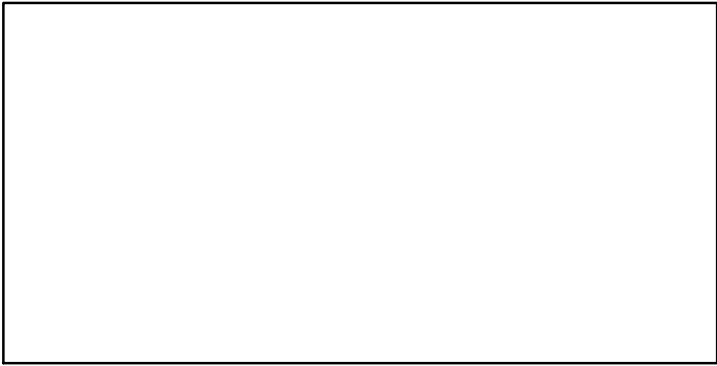
TN *



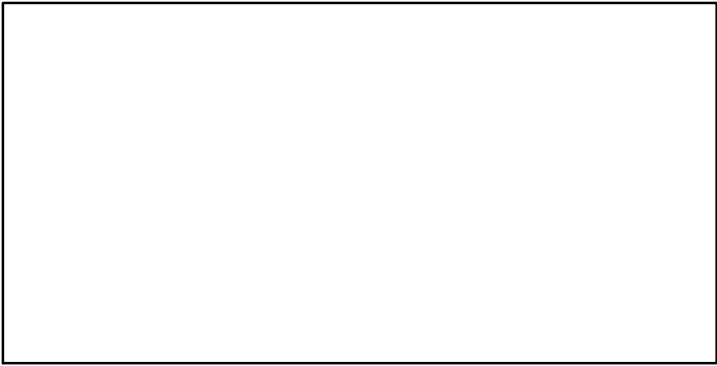
F-1/yr (2008–2014–OSIO)



ER*



Recruits*



TC*, TL*, RecC*



TAC*, Cpair*, Cadv*



survB*



CPUE*



EFFORT*



■ 1st listed time series

● 2nd listed time series

▲ 3rd listed time series

- - MSY

— MORAT

* No Data

Turbot Black Sea [TURBLKGSA29]

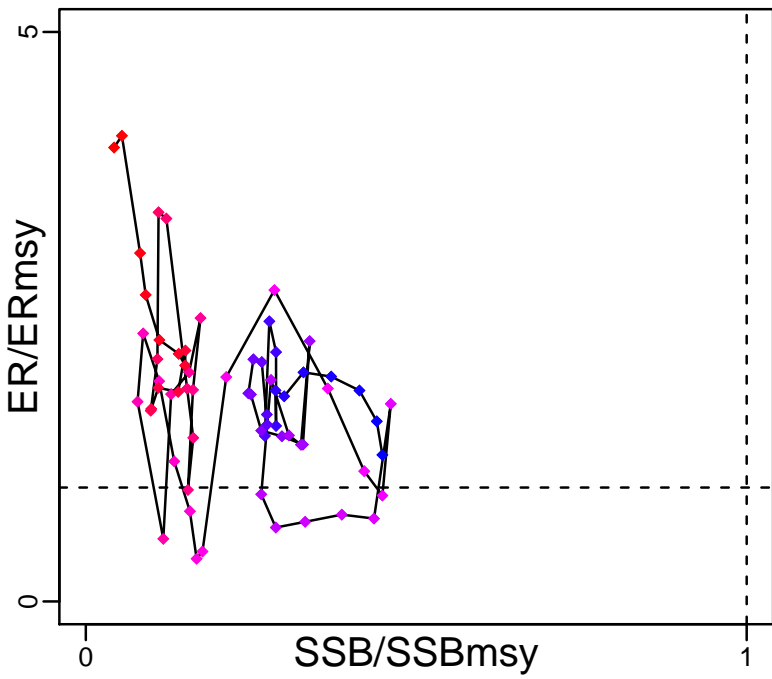
Metadata	
Scientific Name	Psetta maxima
Current Assess ID	STECF-TURBLKGSA29-1950-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2014, 2010

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	23,620
Fmsy	Fmsy-1/yr	2014	0.26
ERmsy	ERmsy-est-ratio	2014	0.14
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.26
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	6807
M	M-1/yr	2010	0.19
TBlim	-	-	-
SSBlim	SSBlim-MT	2014	3535
Flim	-	-	-
ERlim	-	-	-

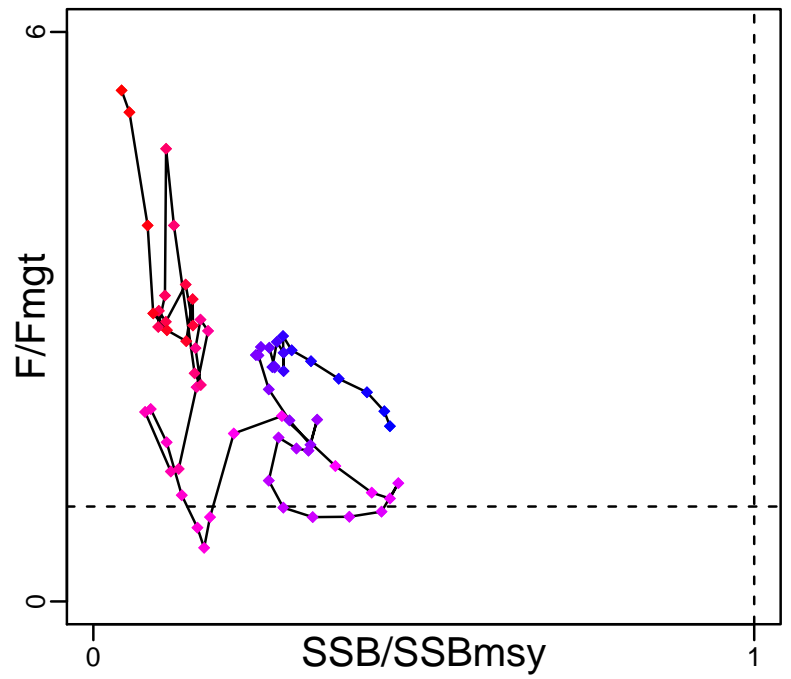
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	1010	-	4+
TN	-	-	-	-	-
R	R-E00	2014	716,000	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	1	-	-
TC	TC-MT	2014	1160		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.04		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	5.38		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	3.99		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	5.38		
ER/ERmgt	-	-	-		

Turbot Black Sea [TURBLKGSA29]

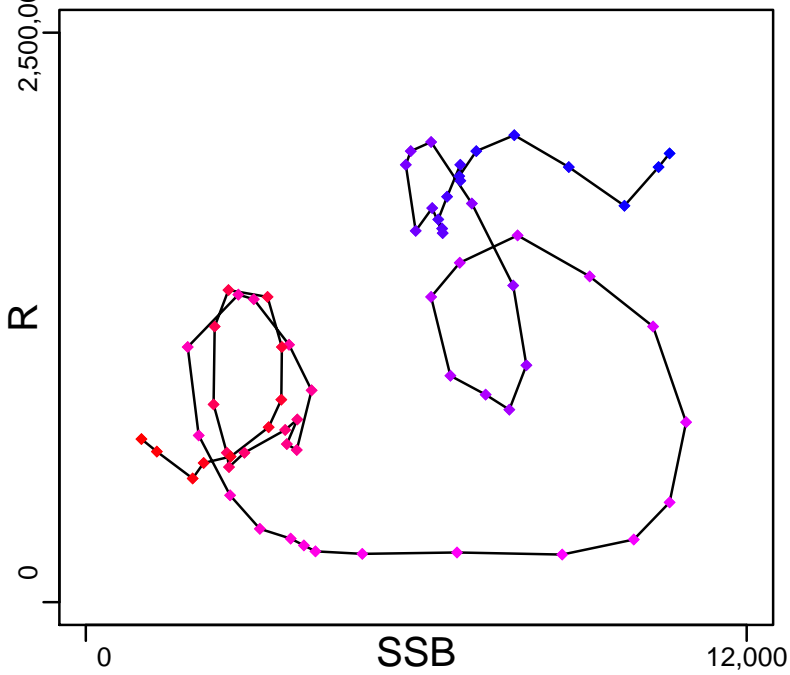
Kobe MSYpref (1950–2014–OSIO)



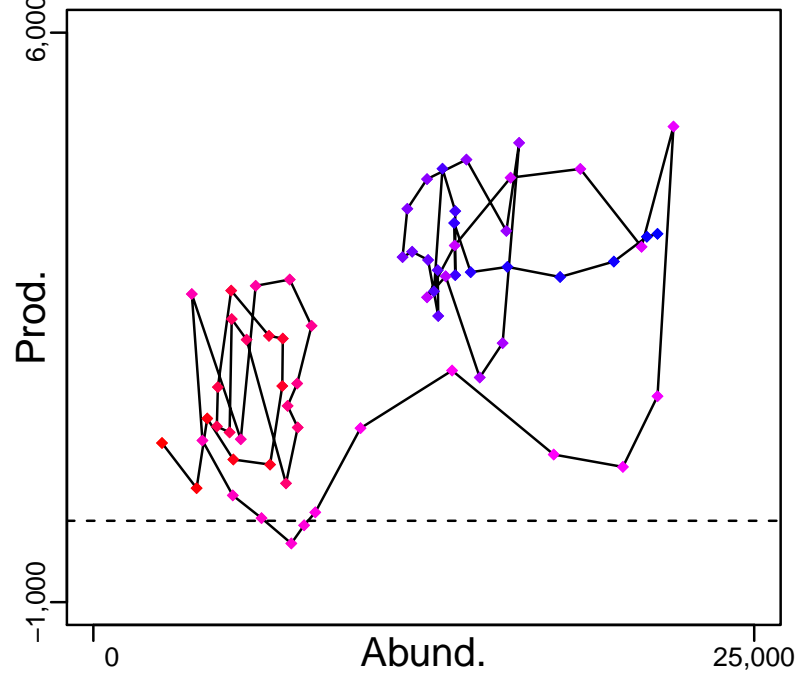
Kobe MGTpref (1950–2014–OSIO)



Spawner Recruit (1950–2014–OSIO)



Production (1950–2014–OSIO)



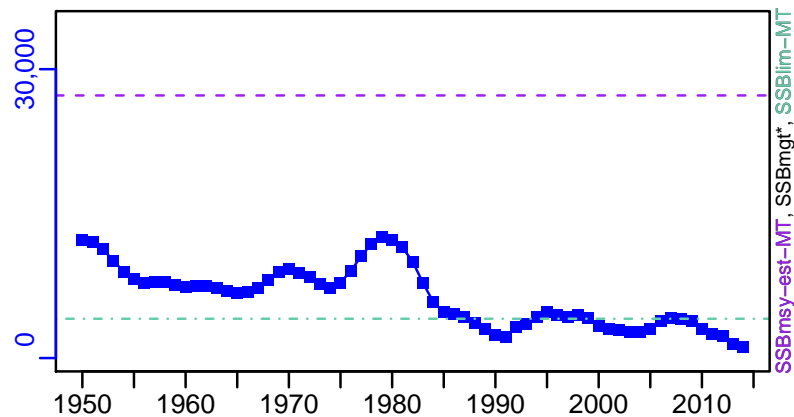
◆ Start Year ◆ End Year * No Data

Turbot Black Sea [TURBLKGSA29]

TB*



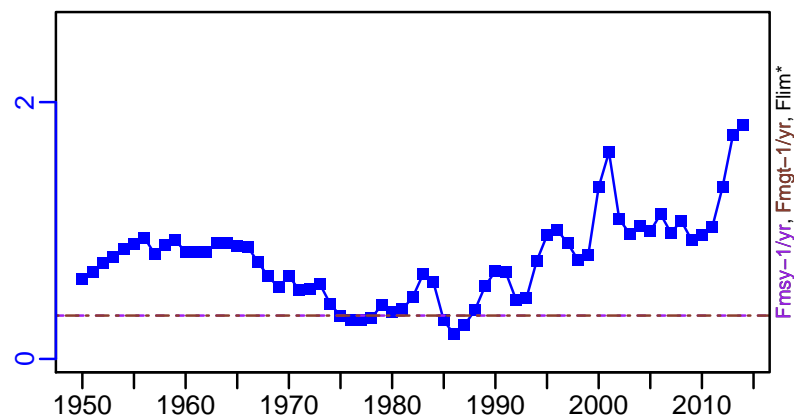
SSB-MT (1950–2014–OSIO)



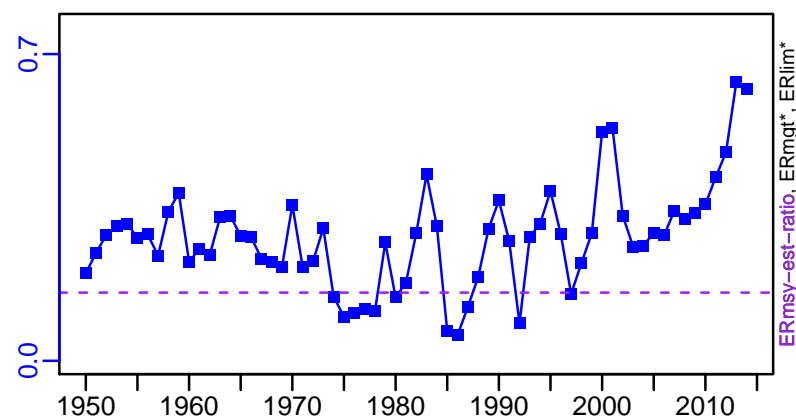
TN *



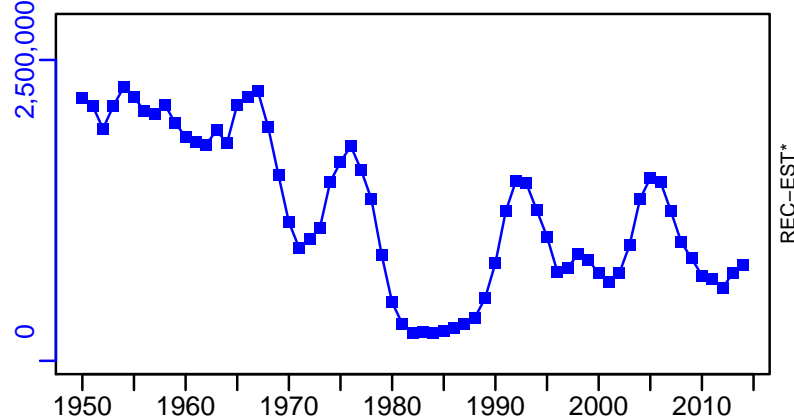
F-1/yr (1950–2014–OSIO)



ER-calc-ratio (1950–2014–OSIO)



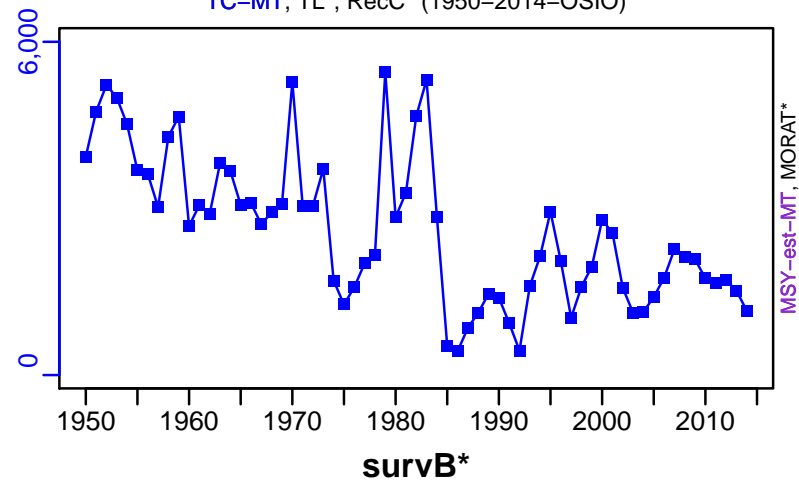
R-E00 (1950–2014–OSIO)



Turbot Black Sea [TURBLKGSA29]

TC-MT, TL*, RecC* (1950–2014–OSIO)

TAC*, Cpair*, Cadv*



CPUE*

EFFORT*

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

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	-	-	-
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	-	-	-		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

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

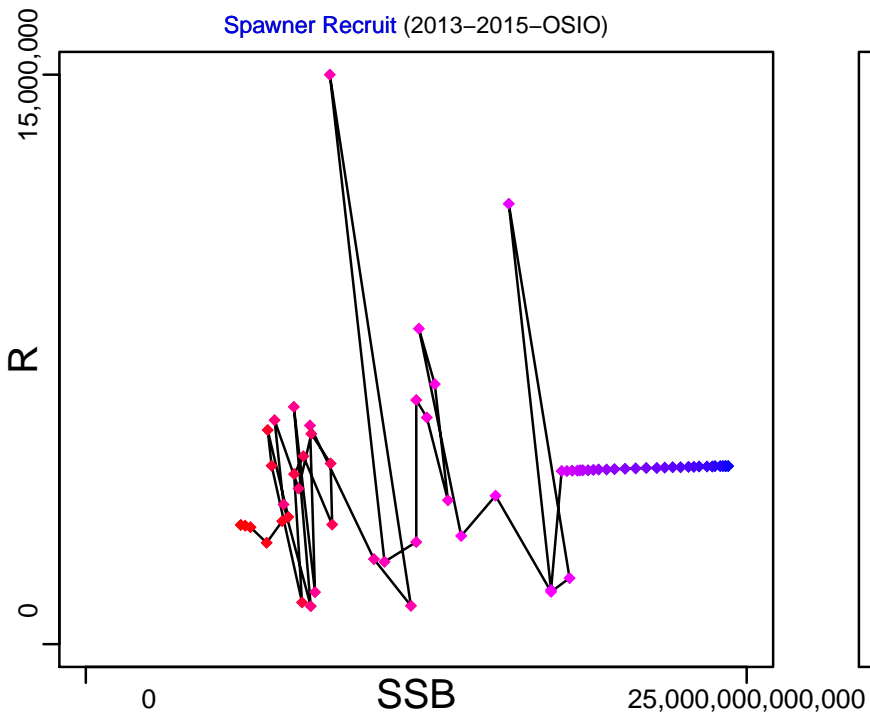
Kobe MSY*



Kobe MGT*



Spawner Recruit (2013–2015–OSIO)



Production*



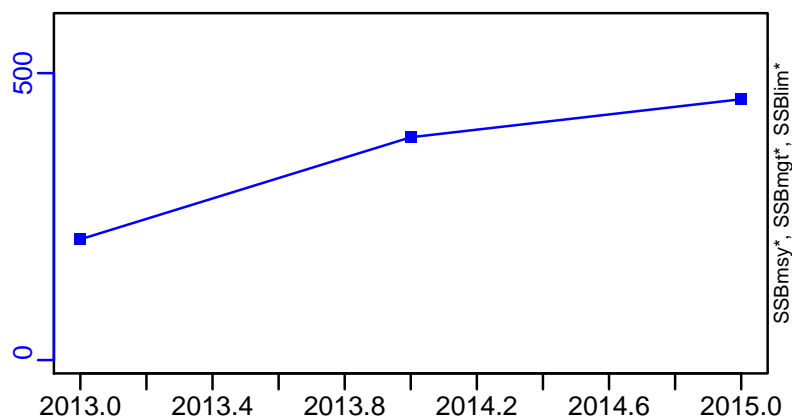
◆ Start Year ◆ End Year * No Data

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

TB*



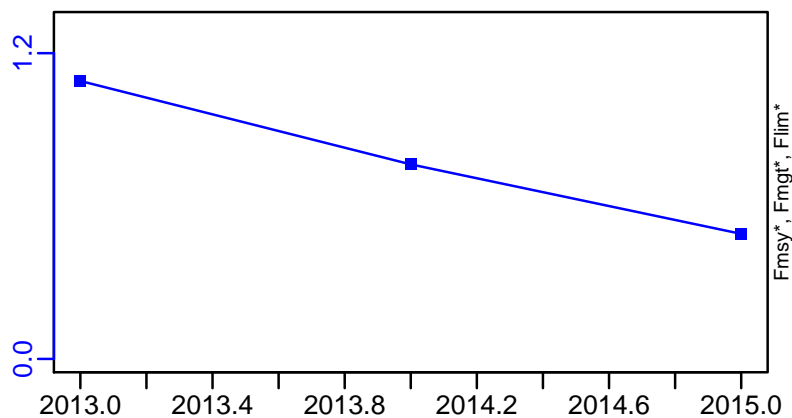
SSB–MT (2013–2015–OSIO)



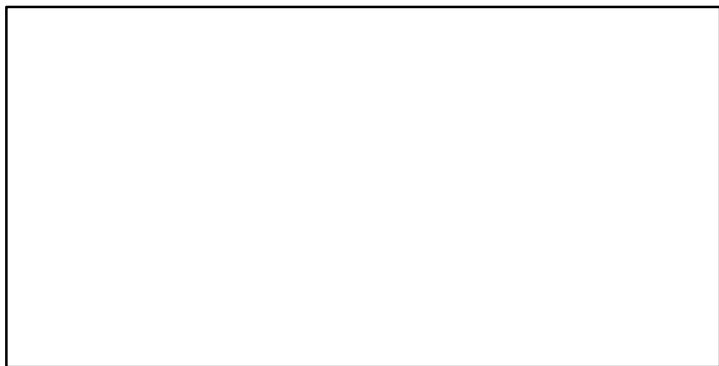
TN *



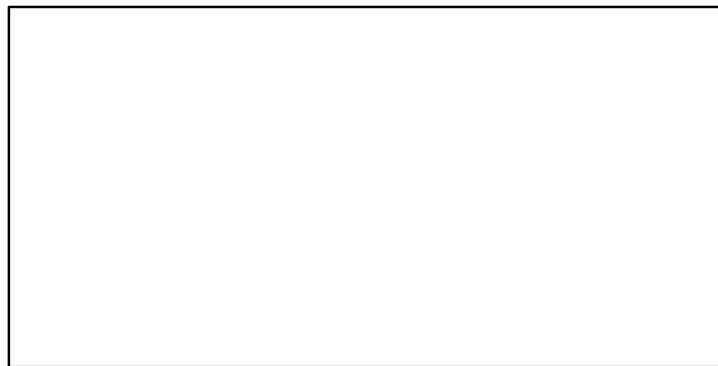
F–1/yr (2013–2015–OSIO)



ER*



Recruits*

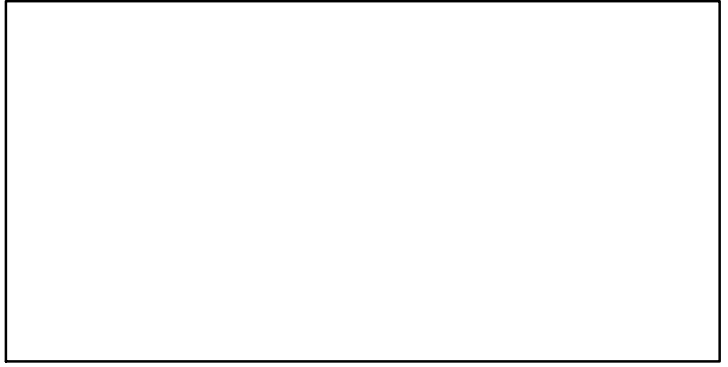


White anglerfish Geographical Sub-Areas 1–7 [WANGLGSA1–7]

TC*, TL*, RecC*



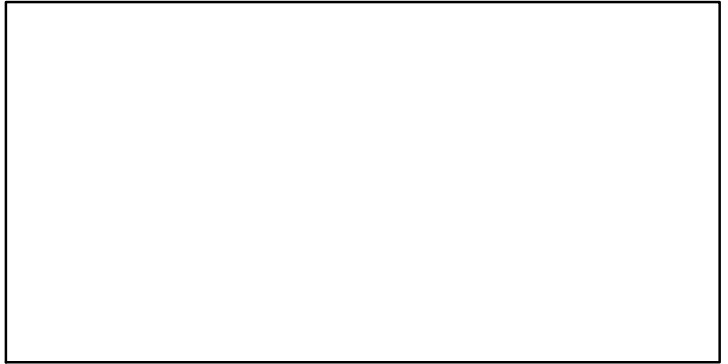
TAC*, Cpair*, Cadv*



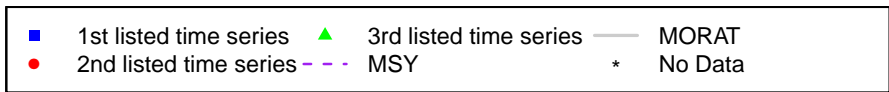
survB*



CPUE*



EFFORT*



Whiting Black Sea [WHITMEDGSA29]

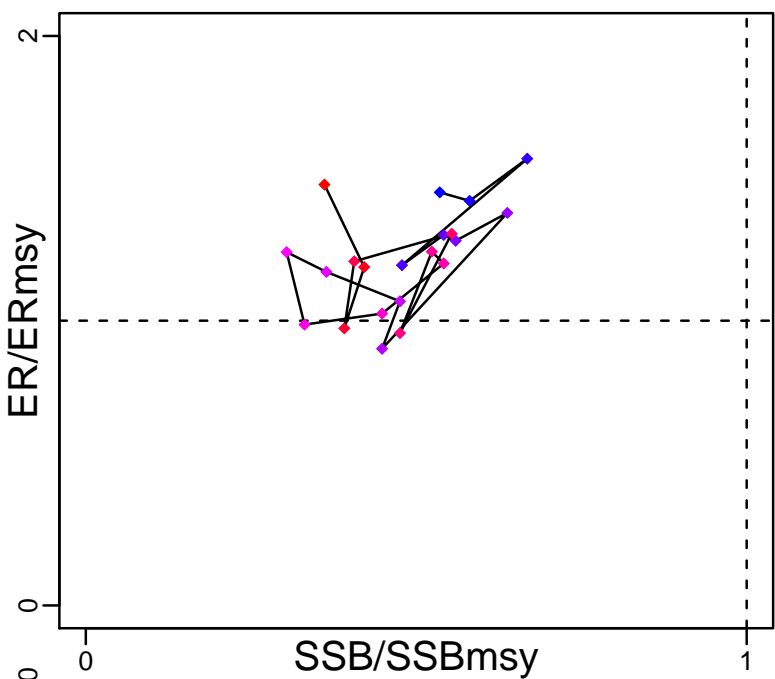
Metadata	
Scientific Name	Merlangius merlangus
Current Assess ID	STECF-WHITMEDGSA29-1994-2014-OSIO
Area	Black Sea
Management Authority	General Fisheries Council for the Mediterranean, DG MARE, and national states
Assessor	Scientific, Technical and Economic Committee for Fisheries
Asmts in RAM	2011, 2014

Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-est-MT	2014	33,235
Fmsy	Fmsy-1/yr	2014	0.79
ERmsy	ERmsy-est-ratio	2014	0.3
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	Fmgt-1/yr	2014	0.79
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	MSY-est-MT	2014	16,603
M	M-1/yr	2011	0.46
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

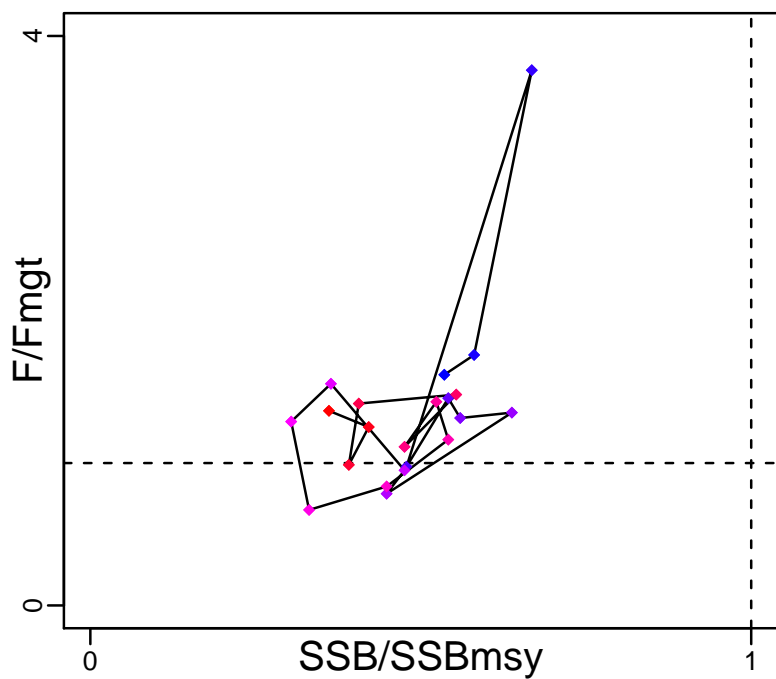
Time Series					
Type	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	SSB-MT	2014	12,000	-	1+
TN	-	-	-	-	-
R	R-E00	2014	2.32×10^8	-	-
F	F-1/yr	2014	1	-	-
ER	ER-calc-ratio	2014	0	-	-
TC	TC-MT	2014	8860		
TL	TL-MT	2011	8250		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-est-MT	2014	0.36		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.37		
ER/ERmsy	ER-calc-ratio/ERmsy-est-ratio	2014	1.48		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.37		
ER/ERmgt	-	-	-		

Whiting Black Sea [WHITMEDGSA29]

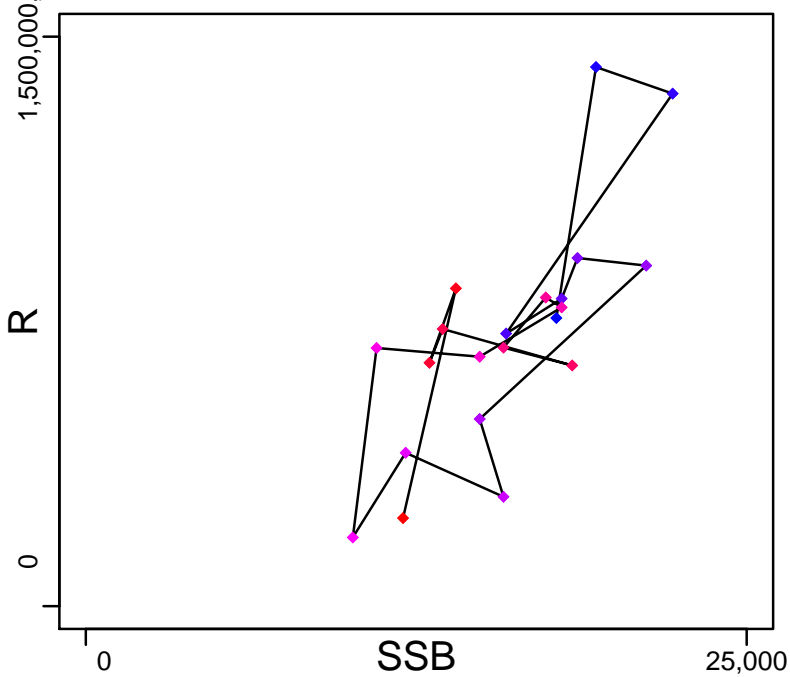
Kobe MSYpref (1994–2014–OSIO)



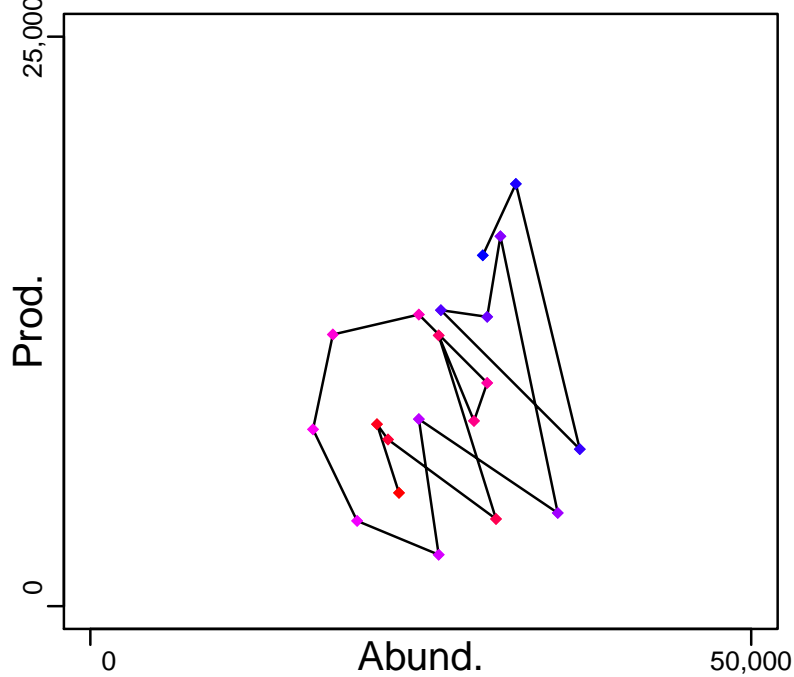
Kobe MGTpref (1994–2014–OSIO)



Spawner Recruit (1994–2014–OSIO)



Production (1994–2014–OSIO)



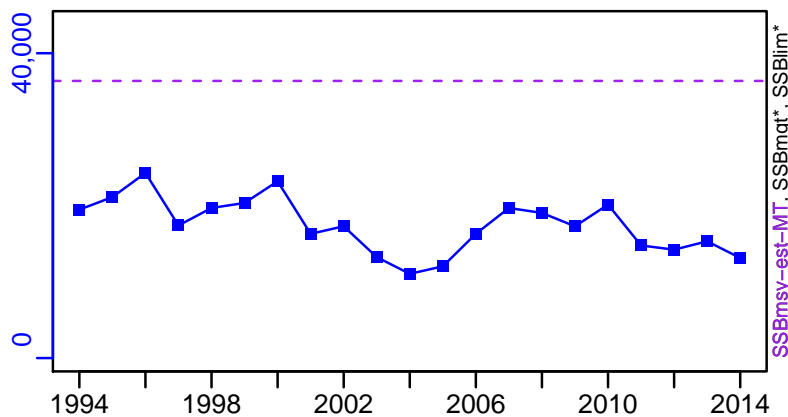
◆ Start Year ◆ End Year * No Data

Whiting Black Sea [WHITMEDGSA29]

TB*



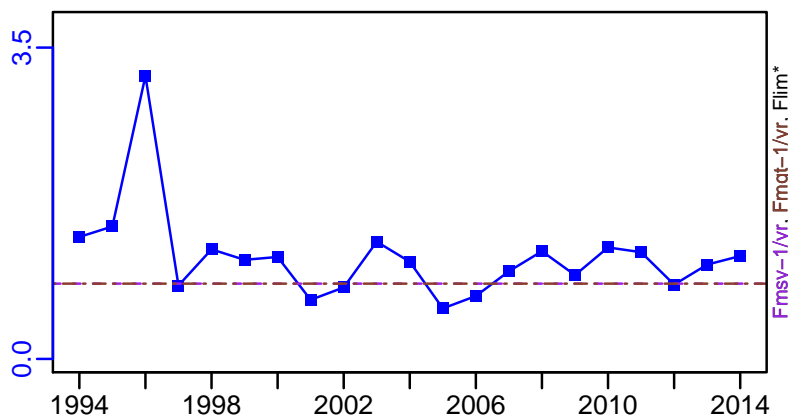
SSB-MT (1994–2014–OSIO)



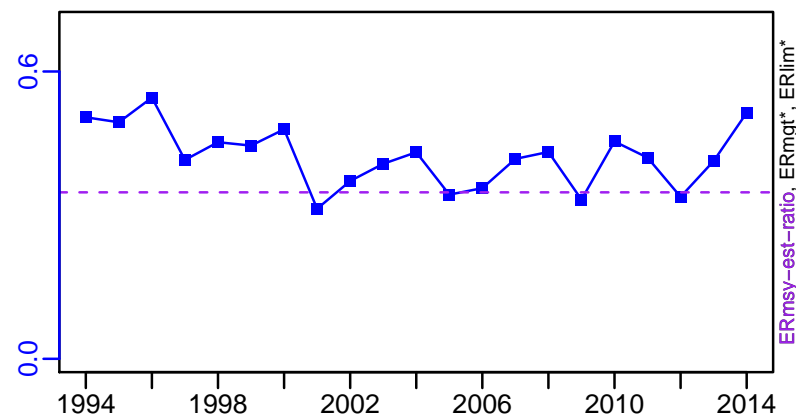
TN *



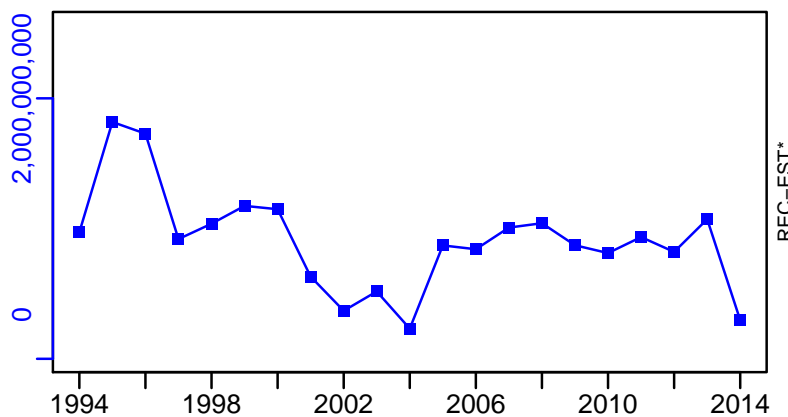
F-1/yr (1994–2014–OSIO)



ER-calc-ratio (1994–2014–OSIO)



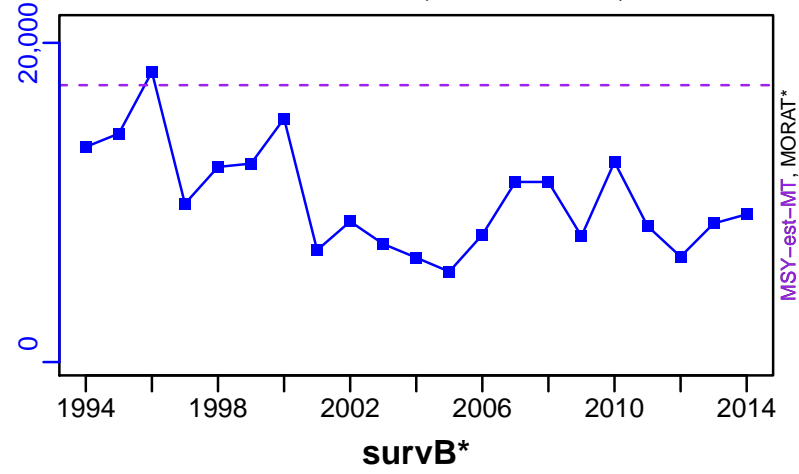
R-E00 (1994–2014–OSIO)



Whiting Black Sea [WHITMEDGSA29]

TC-MT, TL*, RecC* (1994-2014-OSIO)

TAC*, Cpair*, Cadv*



EFFORT*

