# **European Union Stocks**

v4.25 (Jan-28-2018)

- 1. Anchovy Portugese Waters -East [ANCHIXa]
- 2. Anchovy ICES VIII [ANCHOBAYB]
- 3. Black bellied angler VIIIc-IXa [ANGLVIIIc-IXa]
- 4. Black bellied angler VII and VIIIabd [ANGLVII-VIIIabd]
- 5. Blue jack mackerel Azores (Xa2) [BJMACKXa2]
- 6. Blue ling I-II-IIIa-IVa-VIII-IX-XII [BLINGI-II-IIIa-IVa-VIII-IX-XII]
- 7. Boarfish VI and VIII [BOARVI-VIII]
- 8. Brill Baltic Areas 22-32 [BRILL2232]
- 9. Blue Whiting Northeast Atlantic [BWHITNEA]
- 10. Atlantic cod Baltic Areas 22 and 24 [CODBA2224]
- 11. Atlantic cod Baltic Areas 25-32 [CODBA2532]
- 12. Atlantic cod Illa (west) and IV-VIId [CODIIIaW-IV-VIId]
- 13. Atlantic cod Irish Sea [CODIS]
- 14. Atlantic cod Kattegat [CODKAT]
- 15. Atlantic cod West of Scotland [CODVIa]
- 16. Atlantic Cod Celtic Sea [CODVIlek]
- 17. Tusk Va and XIV [CUSKVa-XIV]
- 18. Tusk Rockall Bank [CUSKVIb]
- 19. Tusk North of Azores [CUSKXII]
- 20. Dab VII-VIIIabd [DAB2232]
- 21. European seabass IVbc and VII [EBASSIVbc-VII]
- 22. European seabass VIa and VIIb-j [EBASSVIa-VIIb-j]
- 23. European seabass VIIIc and IXa [EBASSVIIIc-IXa]
- 24. European flounder Subdivisions 22-23 [EFLOUN2223]
- 25. European flounder Subdivisions 24-25 [EFLOUN2425]
- 26. European flounder Subdivisions 26-28 [EFLOUN26-28]
- 27. European flounder Subdivisions 27 and 29-32 [EFLOUN27-2932]
- 28. European pollack Illa and North Sea [EPOLLIV-Illa]
- 29. European pollack VIII and IXa [EPOLLVIII-IXa]
- 30. Fourspotted megrim ICES VIIIc-IXa [FMEG8c9a]
- 31. Greater forkbeard Northeast Atlantic [GFORKNEATL]
- 32. Grey gurnard Illa, VIId and North Sea [GGURNIIIa-IV-VIId]
- 33. Greenland halibut NAFO 01ABCDEF [GHAL01ABCDEF]
- 34. Greenland halibut V-VI-XII-XIV [GHALV-VI-XII-XIV]
- 35. Golden Redfish V-VI-XII-XIV [GOLDREDV-VI-XII-XIV]
- 36. Haddock Irish Sea [HADIS]
- 37. Haddock North Sea and Illa-Vla [HADNS-Illa-Vla]
- 38. Haddock Rockall Bank [HADROCK]
- 39. Haddock ICES VIIb-k [HADVIIb-k]
- 40. Hake Northeast Atlantic North [HAKENRTN]
- 41. Hake Northeast Atlantic South [HAKESOTH]
- 42. Herring ICES 22-24-IIIa [HERR2224IIIa]
- 43. Herring Subdivisions 25-29 and 32 [HERR2529-32]
- 44. Herring ICES 30 [HERR30]
- 45. Herring ICES 31 [HERR31]
- 46. Herring Northern Irish Sea [HERRNIRS]
- 47. Herring Illa, VIId and North Sea [HERRNS-Illa-VIId]
- 48. Herring ICES 28 [HERRRIGA]
- 49. Herring ICES VIIa-q-h-i [HERRSIRS]
- 50. Herring ICES VIa [HERRVIa]

- 51. Herring ICES VIa-VIIb-VIIc [HERRVIaVIIbc]
- 52. Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]
- 53. Horse mackerel Illa-IVbc-VIId [HMACKIIIa-IVbc-VIId]
- 54. Horse mackerel Portugese Waters -East [HMACKIXa]
- 55. Ling Iceland Grounds [LINGVa]
- 56. Mackerel ICES Northeast Atlantic [MACKNEICES]
- 57. Megrim ICES VIIIc-IXa [MEG8c9a]
- 58. Megrim spp. IVa and VIa [MEGSPPIVa-VIa]
- 59. Megrim VII-VIIIabd [MEGVII-VIIIabd]
- 60. Norway lobster Noup (FU 10) [NEPHFU10]
- 61. Norway lobster North Minch (FU 11) [NEPHFU11]
- 62. Norway lobster South Minch (FU 12) [NEPHFU12]
- 63. Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]
- 64. Norway lobster Irish Sea East (FU 14) [NEPHFU14]
- 65. Norway lobster Irish Sea West (FU 15) [NEPHFU15]
- 66. Norway lobster Porcupine Bank (FU 16) [NEPHFU16]
- 67. Norway lobster Aran Grounds (FU 17) [NEPHFU17]
- 68. Norway lobster South East and West of IRL (FU 19) [NEPHFU19]
- 69. Norway lobster Labadie, Jones and Cockburn (FU 20-21) [NEPHFU2021]
- 70. Norway lobster Smalls (FU 22) [NEPHFU22]
- 71. Norway lobster North Galicia (FU 25) [NEPHFU25]
- 72. Norway lobster West Galicia and North Portugal (FU 26-27) [NEPHFU2627]
- 73. Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]
- 74. Norway lobster Gulf of Cadiz (FU 30) [NEPHFU30]
- 75. Norway lobster Cantabrian Sea (FU 31) [NEPHFU31]
- 76. Norway lobster Norwegian Deeps (FU 32) [NEPHFU32]
- 77. Norway lobster Off Horn Reef (FU 33) [NEPHFU33]
- 78. Norway lobster Devil's Hole (FU 34) [NEPHFU34]
- 79. Norway lobster Skagerak Kattegat (FU 3-4) [NEPHFU3-4]
- 80. Norway lobster Botney Cut Silver Pit (FU 5) [NEPHFU5]
- 81. Norway lobster Farn Deeps (FU 6) [NEPHFU6]
- 82. Norway lobster Fladen Ground (FU 7) [NEPHFU7]
- 83. Norway lobster Firth of Forth (FU 8) [NEPHFU8]
- 84. Norway lobster Moray Firth (FU 9) [NEPHFU9]
- 85. Norway pout Illa and North Sea [NPOUTIlla-IV]
- 86. Orange roughy Northeast Atlantic [OROUGHYNEATL]
- 87. Northern shrimp IIIa (west) and IVa (east) [PANDALIIIaW-IVaE]
- 88. Northern shrimp Northern North Sea [PANDALIVa]
- 89. European Plaice Subdivisions 21-23 [PLAIC2123]
- 90. European Plaice Subdivisions 24-32 [PLAIC2432]
- 91. European Plaice ICES VIId [PLAIC7d]
- 92. European Plaice ICES VIIf-g [PLAICCELT]
- 93. European Plaice ICES VIIe [PLAICECHW]
- 94. European Plaice ICES IIIa [PLAICIIIa]
- 95. European Plaice Irish Sea [PLAICIS]
- 96. European Plaice North Sea [PLAICNS]
- 97. European Plaice VIIbc [PLAICVIIbc]
- 98. European Plaice VIIh-k [PLAICVIIh-k]
- 99. European Plaice VIII and IXa [PLAICVIII-IXa]
- 100. Pollock ICES Illa, VI and North Sea [POLLNS-VI-Illa]
- 101. Red seabream IX [RBRMIX]
- 102. Red seabream VI-VII-VIII [RBRMVI-VII-VIII]
- 103. Red seabream Azores Grounds [RBRMX]
- 104. Beaked Redfish Areas V-XII-XIV and NAFO Subareas 1-2 [REDDEEPSH1-2-V-XII-XIV]
- 105. Beaked Redfish Southeast Greenland [REDDEEPXIVb]
- 106. Redfish species NAFO 1 [REDFISHSPP1]

- 107. Roughhead grenadier Northeast Atlantic [RHGRENNEATL]
- 108. Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2 [RNGENI-II-IV-Va2-VIII-IX-XIVab2]
- 109. Roundnose grenadier Mid-Atlantic Ridge [RNGENMATLR]
- 110. Roundnose grenadier Vb-VI-VII-XIIb [RNGENVb-VI-VII-XIIb]
- 111. Roundnose grenadier Kattegat and Skagerrak [RNGRENIIIa]
- 112. European pilchard ICES VIIIc-IXa [SARDPVIIIc-IXa]
- 113. Sand eel SA 1 [SEELNSSA1]
- 114. Sand eel SA 2 [SEELNSSA2]
- 115. Sand eel SA 3 [SEELNSSA3]
- 116. Sand eel SA 5 [SEELNSSA5]
- 117. Sand eel SA 6 [SEELNSSA6]
- 118. Sand eel SA 7 [SEELNSSA7]
- 119. Common sole Celtic Sea [SOLECS]
- 120. Common sole 22-24-IIIa [SOLEIIIa-2224]
- 121. Common sole Irish Sea [SOLEIS]
- 122. Common sole North Sea [SOLENS]
- 123. Common sole VIIbc [SOLEVIIbc]
- 124. Common sole ICES VIId [SOLEVIId]
- 125. Common sole Western English Channel [SOLEVIIe]
- 126. Common sole VIIh-k [SOLEVIIh-k]
- 127. Common sole VIIIab [SOLEVIIIab]
- 128. Sprat ICES Baltic Areas 22-32 [SPRAT22-32]
- 129. Sprat Kattegat and Skagerrak [SPRATIIIa]
- 130. Sprat North Sea [SPRATNS]
- 131. Sprat VIIde [SPRATVIIde]
- 132. Sprat VI and VIIabcfghijk [SPRATVI-VIIabcfghijk]
- 133. Spurdog Northeast Atlantic [SPURDNEATL]
- 134. Turbot Baltic Areas 22-32 [TUR2232]
- 135. Turbot North Sea [TURIV]
- 136. White anglerfish VIIIc-IXa [WANGLVIIIc-IXa]
- 137. White anglerfish VII and VIIIabd [WANGLVII-VIIIabd]
- 138. Whiting NS-VIId [WHITNS-VIId]
- 139. Whiting ICES VIa [WHITVIa]
- 140. Whiting ICES VIIe-k [WHITVIIek]
- 141. Whiting VIII and IXa [WHITVIII-IXa]

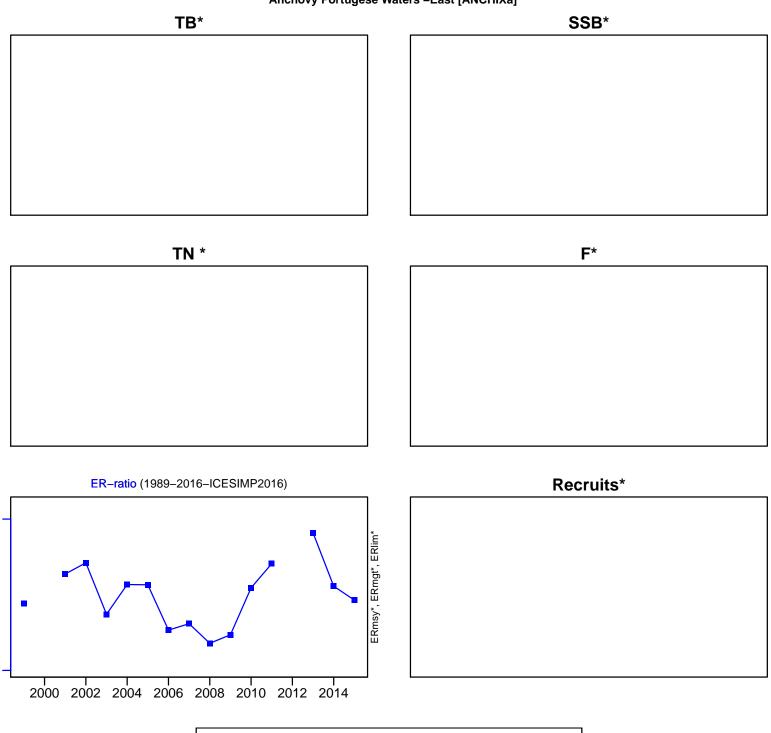
Metadata		
Scientific Name	Engraulis encrasicolus	
Current Assess ID	WGHANSA-ANCHIXa-1989-2016-ICESIMP2016	
Area	Portugese Waters -East	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.25	-	-
TC	-	-	-		•
TL	TL-MT	2016	9420		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

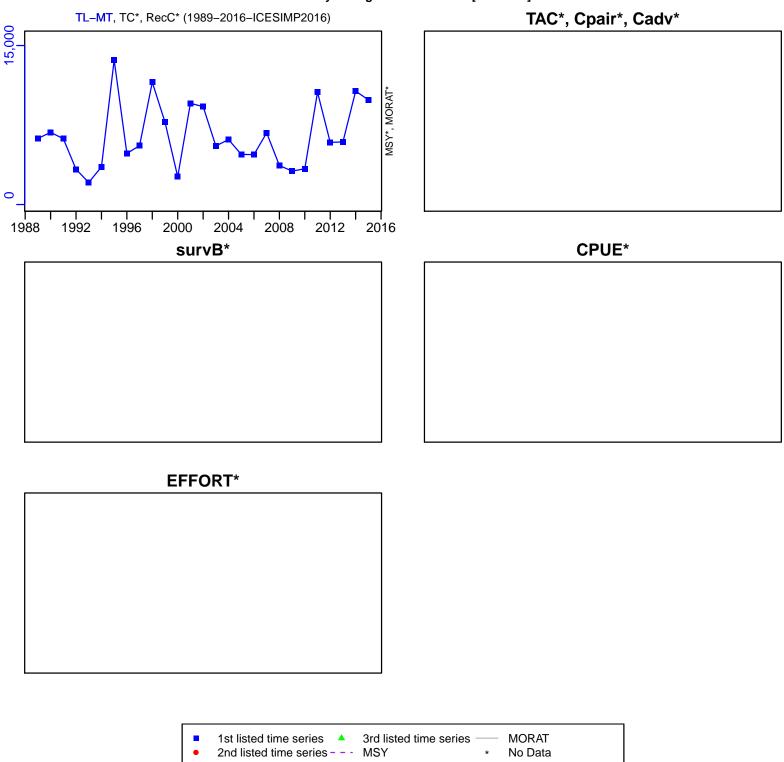
Kobe MGT*
Production*

◆ Start Year ◆ End Year \* No Data



Rec-Est No Data

Listed time series ---- Target BRP MSY-based BRP ---- Lim BRP

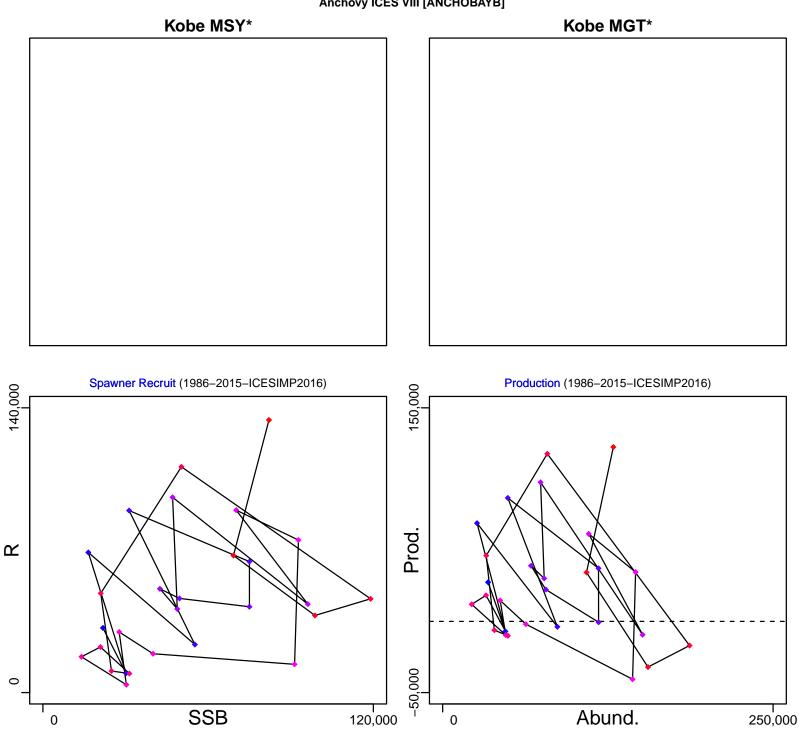


## Anchovy ICES VIII [ANCHOBAYB]

Metadata		
Scientific Name	Engraulis encrasicolus	
Current Assess ID	WGHANSA-ANCHOBAYB-1986-2015-ICESIMP2016	
Area Bay of Biscay		
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine	
Asmts in RAM	2013, 2014, 2015, 2007	

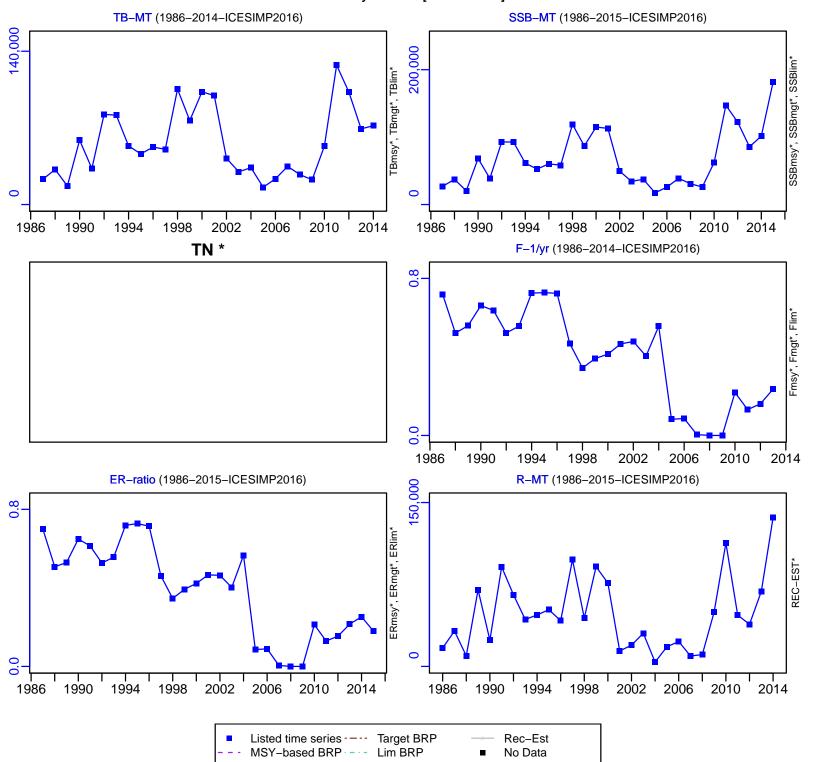
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2013	33,000		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2007	1.2		
TBlim	TBlim-MT	2014	21,000		
SSBlim	SSBlim-MT	2015	21,000		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	66,200	-	-
SSB	SSB-MT	2015	147,000	-	-
TN	-	-	-	-	-
R	R-MT	2015	134,000	-	1
F	F-1/yr	2014	0.22	-	1+
ER	ER-ratio	2015	0.17	-	-
TC	TC-MT	2015	25,100		
TL	TL-MT	2015	25,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	1.7		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

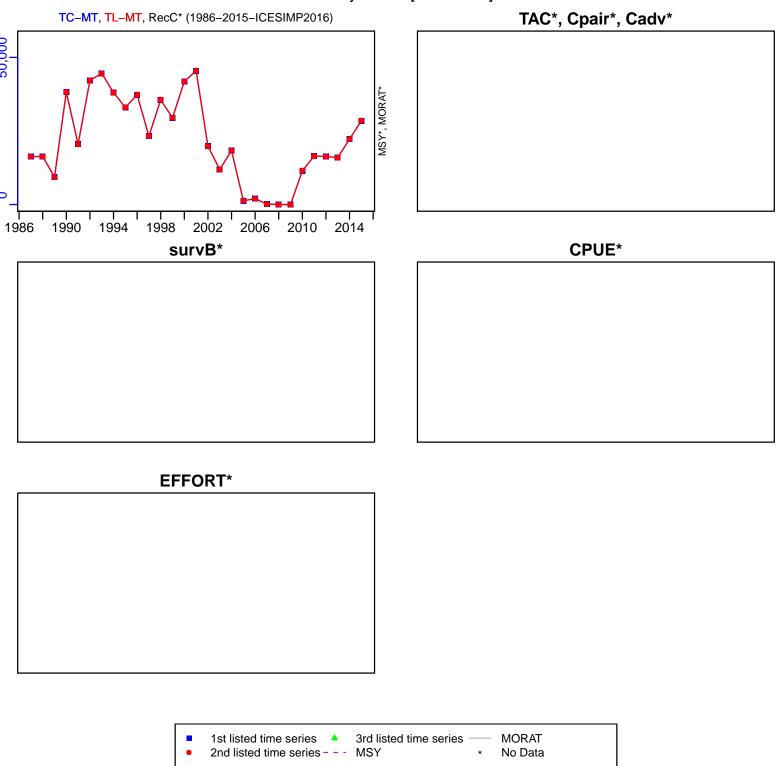


Start Year • End Year \* No Data

#### **Anchovy ICES VIII [ANCHOBAYB]**



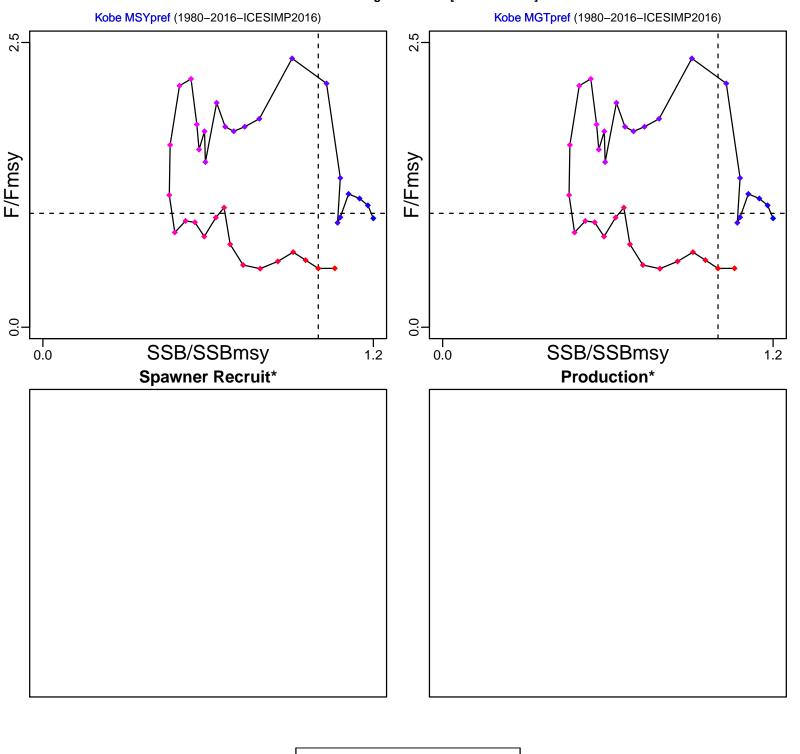
#### **Anchovy ICES VIII [ANCHOBAYB]**



Metadata		
Scientific Name	Lophius budegassa	
Current Assess ID	WGBIE-ANGLVIIIc-IXa-1980-2016-ICESIMP2016	
Area VIIIc-IXa		
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2014, 2015, 2016, 2011, 2012, 2013	

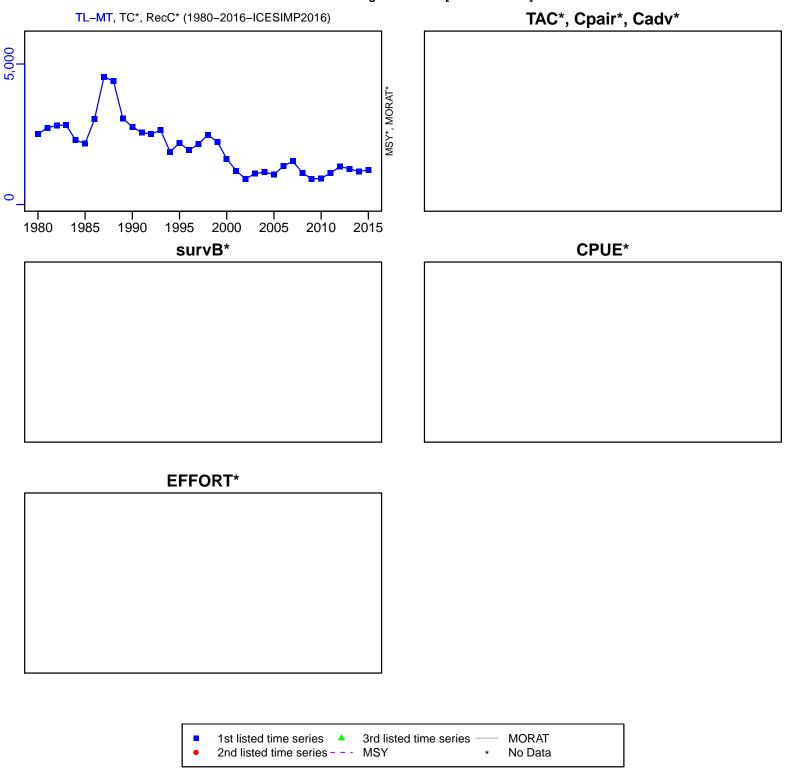
F	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt		-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М		-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	10,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data

TB*	SSB*
TN *	F*
ER*	Recruits*
Г	1
Listed time series Ta	arget BRP — Rec–Est im BRP ■ No Data



Metadata		
Scientific Name	Lophius budegassa	
Current Assess ID	WGBIE-ANGLVII-VIIIabd-1986-2016-ICESIMP2016	
Area	VII and VIIIabd	
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2016	

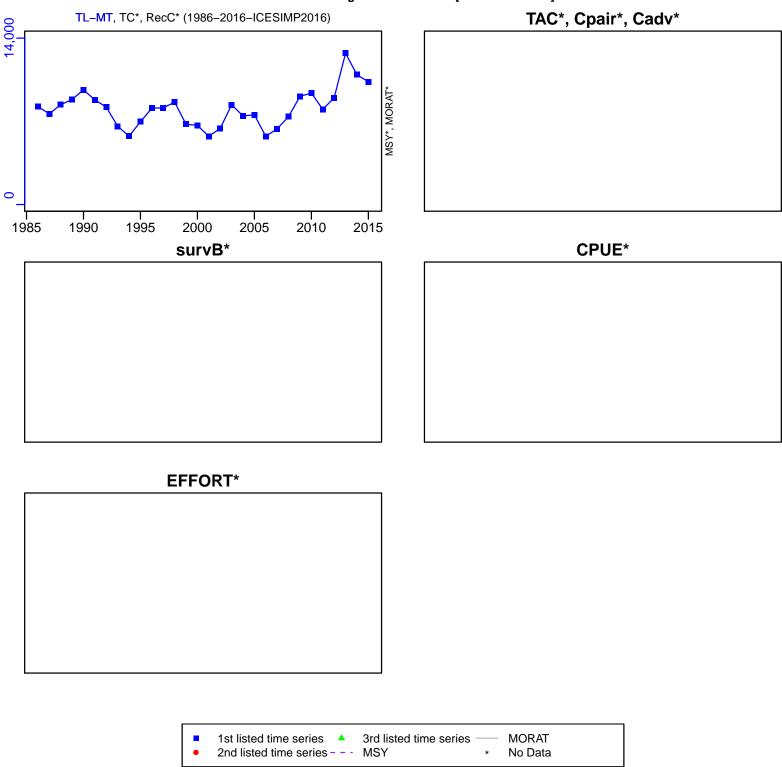
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-		•	
TL	TL-MT	2016	1040			
TB/TBmsy	-	-	-			
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2016	1.11			
F/Fmsy	FdivFmsy-dimensionless	2016	0.52			
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 *	<b>F</b> *
ER*	Recruits*
<b>⊑</b> K	Recruits
Listed time series Ta	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data



Metadata			
Scientific Name	Trachurus picturatus		
Current Assess ID	WGHANSA-BJMACKXa2-1978-2016-ICESIMP2016		
Area Azores (Xa2)			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine		
Asmts in RAM	2016		

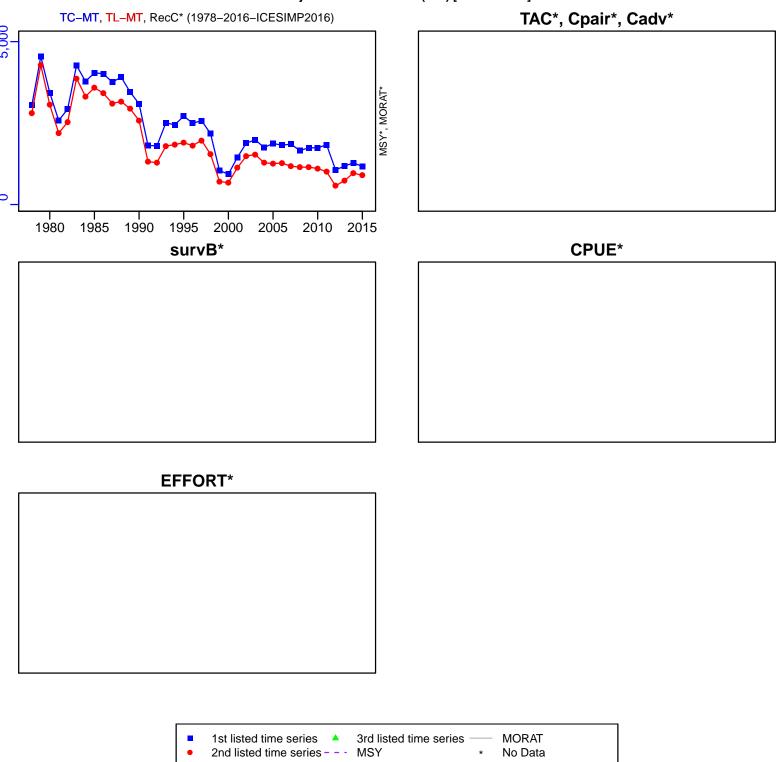
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2016	1140			
TL	TL-MT	2016	874			
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*
Г	1
Listed time series Ta	arget BRP — Rec–Est im BRP ■ No Data



## Blue ling I-II-IIIa-IVa-VIII-IX-XII [BLINGI-II-IIIa-IVa-VIII-IX-XII]

Metadata			
Scientific Name	Molva dypterygia		
Current Assess ID	WGDEEP-BLINGI-II-IIIa-IVa-VIII-IX-XII-1988-2015-ICESIMP2016		
Area I-II-IIIa-IVa-VIII-IX-XII			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources		
Asmts in RAM	2015		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	240		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

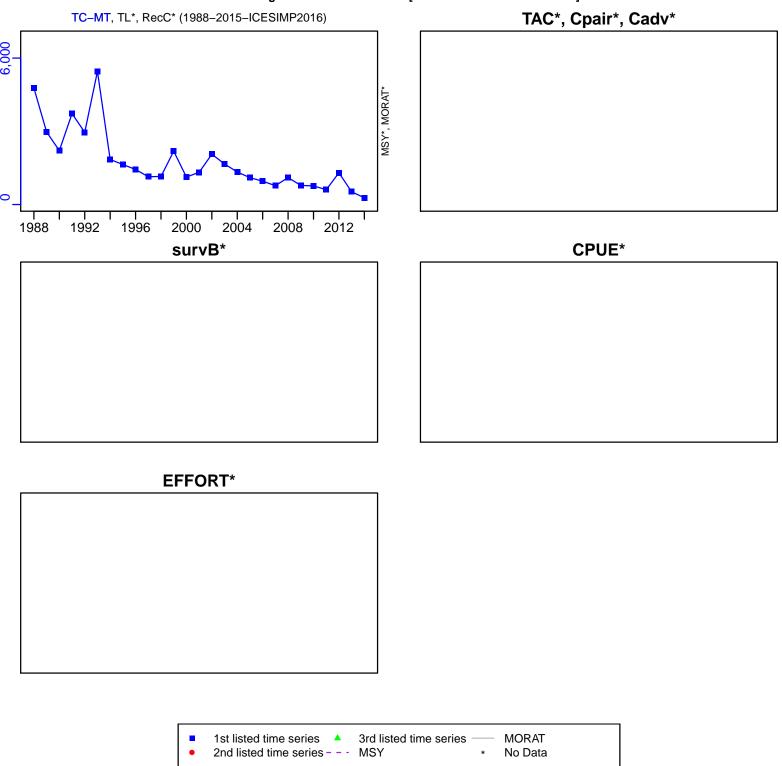
Kobe MGT*
Production*
Floduction

◆ Start Year ◆ End Year \* No Data

### Blue ling I-II-IIIa-IVa-VIII-IX-XII [BLINGI-II-IIIa-IVa-VIII-IX-XII]

TB*	SSB*
TN *	F*
ED*	Doowito*
ER*	Recruits*
	J
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

### Blue ling I-II-IIIa-IVa-VIII-IX-XII [BLINGI-II-IIIa-IVa-VIII-IX-XII]



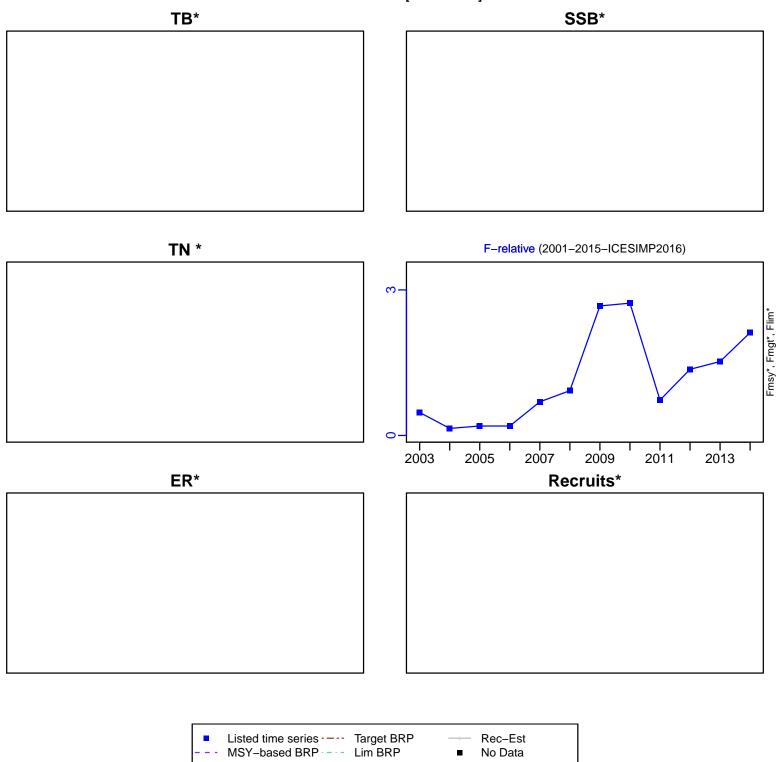
Metadata		
Scientific Name	Capros aper	
Current Assess ID	WGWIDE-BOARVI-VIII-2001-2015-ICESIMP2016	
Area	VI and VIII	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Widely Distributed Stocks	
Asmts in RAM	2013, 2014, 2015	

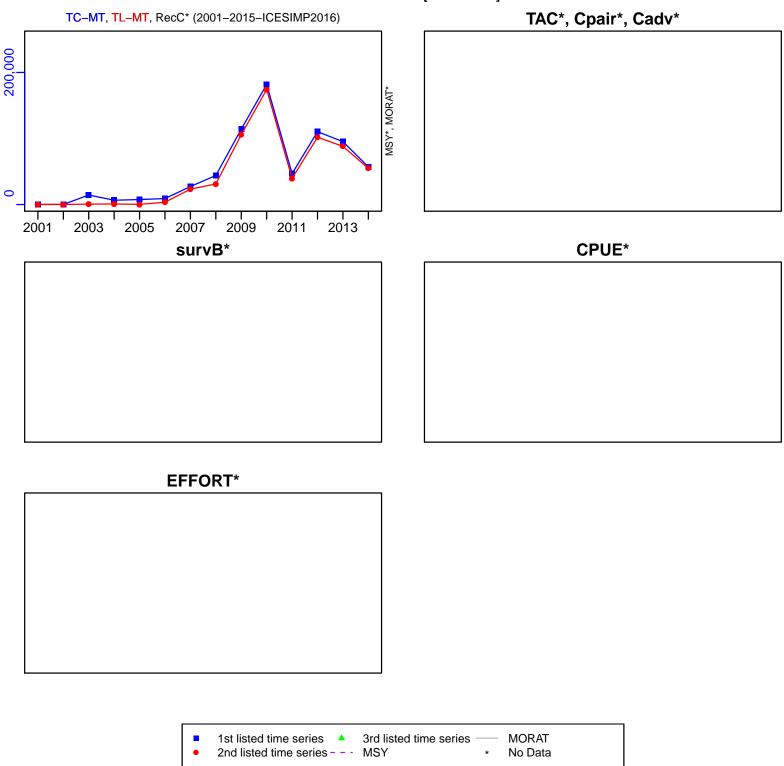
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-relative	2015	1.85	-	1 to 14
ER	-	-	-	-	-
TC	TC-MT	2015	45,200		
TL	TL-MT	2015	43,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*
Floduction

◆ Start Year ◆ End Year \* No Data





### Brill Baltic Areas 22-32 [BRILL2232]

Metadata		
Scientific Name	Scophthalmus rhombus	
Current Assess ID	WGBFAS-BRILL2232-1970-2016-ICESIMP2016	
Area	Baltic Areas 22-32	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Baltic Fisheries Assessment Working Group	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	40		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

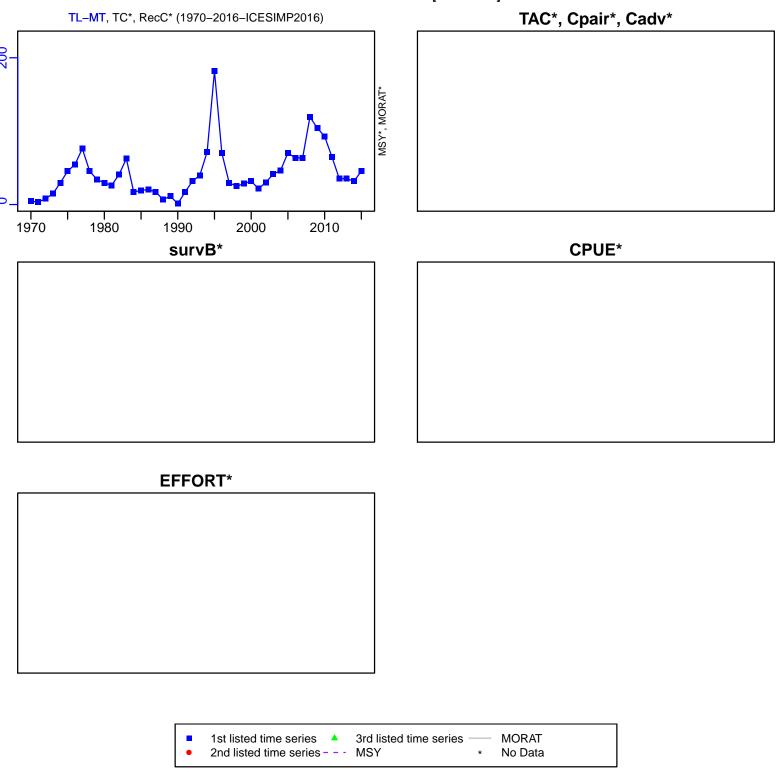
### Brill Baltic Areas 22-32 [BRILL2232]

Kobe MGT*
Production*
Floduction

◆ Start Year ◆ End Year \* No Data

### Brill Baltic Areas 22-32 [BRILL2232]

TB*	SSB*
TN *	F*
ER*	Recruits*
Γ	
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data



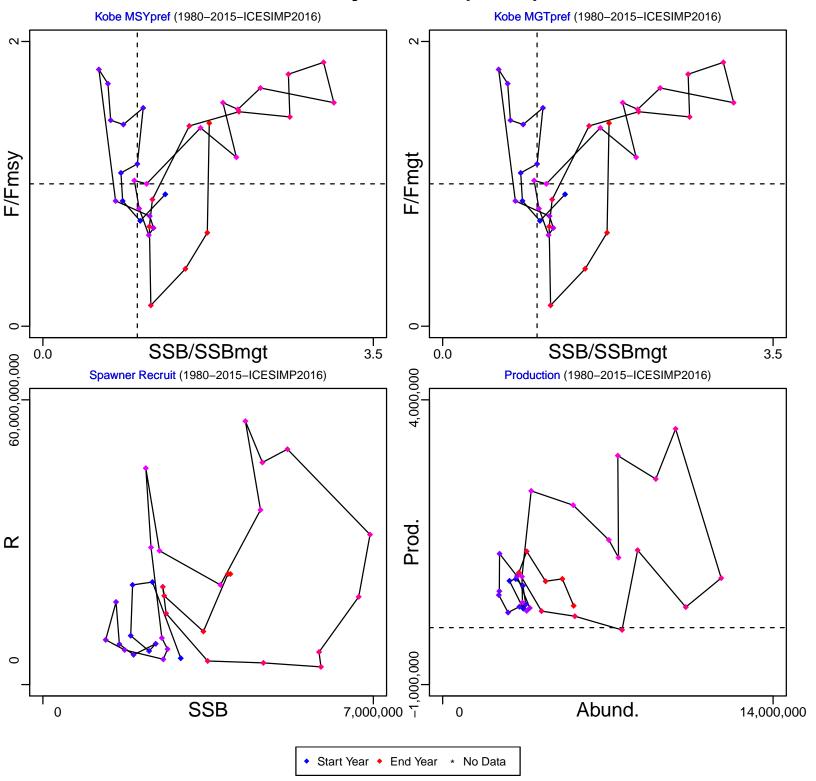
## Blue Whiting Northeast Atlantic [BWHITNEA]

Metadata		
Scientific Name	Micromesistius poutassou	
Current Assess ID	WGWIDE-BWHITNEA-1980-2015-ICESIMP2016	
Area	Northeast Atlantic	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Widely Distributed Stocks	
Asmts in RAM	2012, 2013, 2014, 2015	

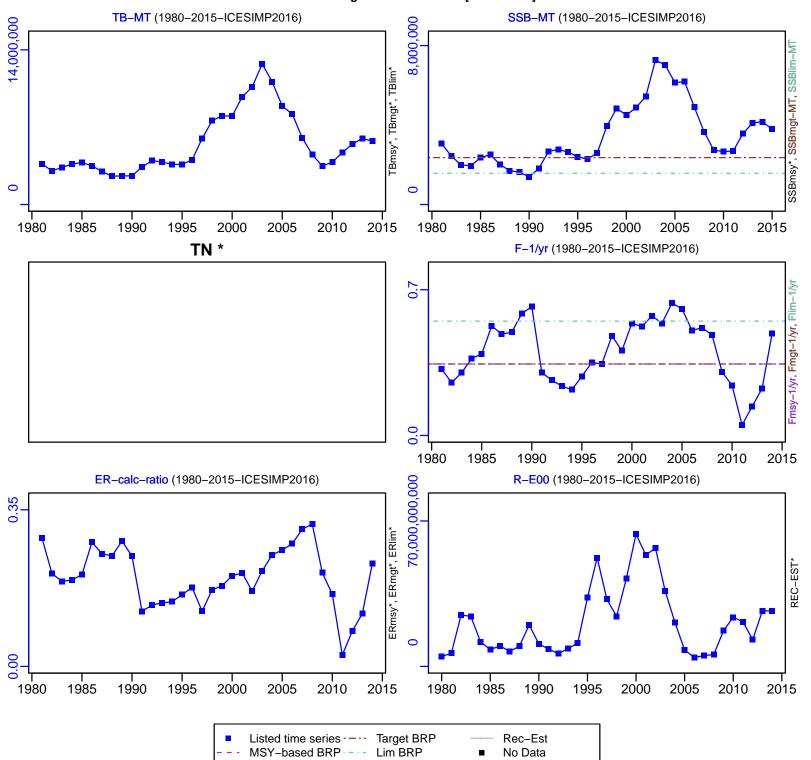
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	Fmsy-1/yr	2015	0.3			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	SSBmgt-MT	2015	2,250,000			
Fmgt	Fmgt-1/yr	2015	0.3			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
М	-	-	-			
TBlim	-	-	-			
SSBlim	SSBlim-MT	2015	1,500,000			
Flim	Flim-1/yr	2015	0.48			
ERlim	-	-	-			

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	TB-MT	2015	5,320,000	-	-		
SSB	SSB-MT	2015	3,620,000	-	-		
TN	-	-	-	-	-		
R	R-E00	2015	$2.33 \times 10^{10}$	-	1		
F	F-1/yr	2015	0.43	-	3 to 7		
ER	ER-calc-ratio	2015	0.22	-	-		
TC	TC-MT	2015	1,150,000				
TL	TL-MT	2014	614,000	]			
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.43				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.61				
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.43				
ER/ERmgt	-	-	-				

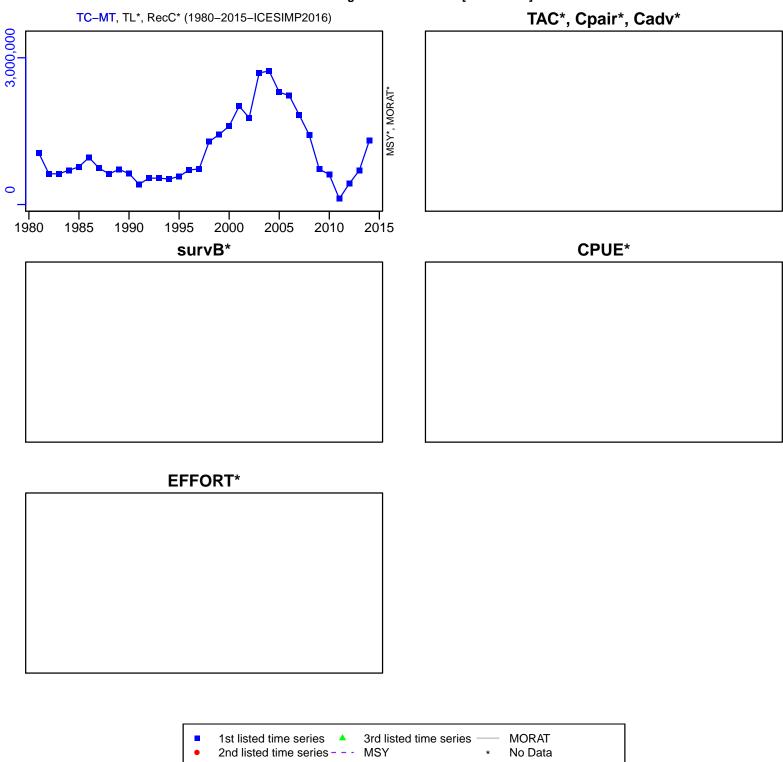
### Blue Whiting Northeast Atlantic [BWHITNEA]



#### **Blue Whiting Northeast Atlantic [BWHITNEA]**



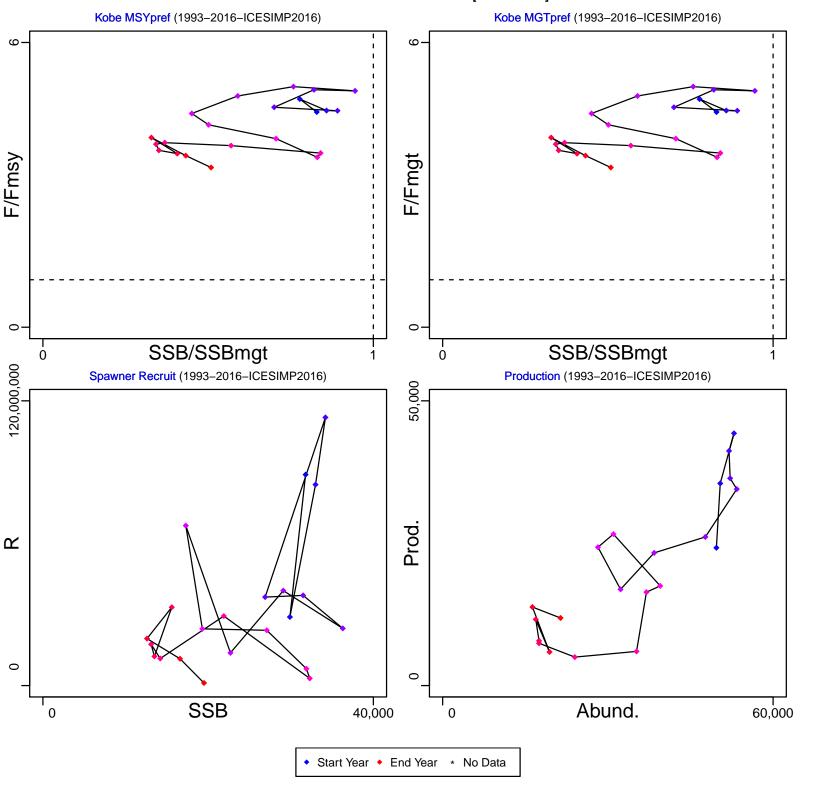
## Blue Whiting Northeast Atlantic [BWHITNEA]

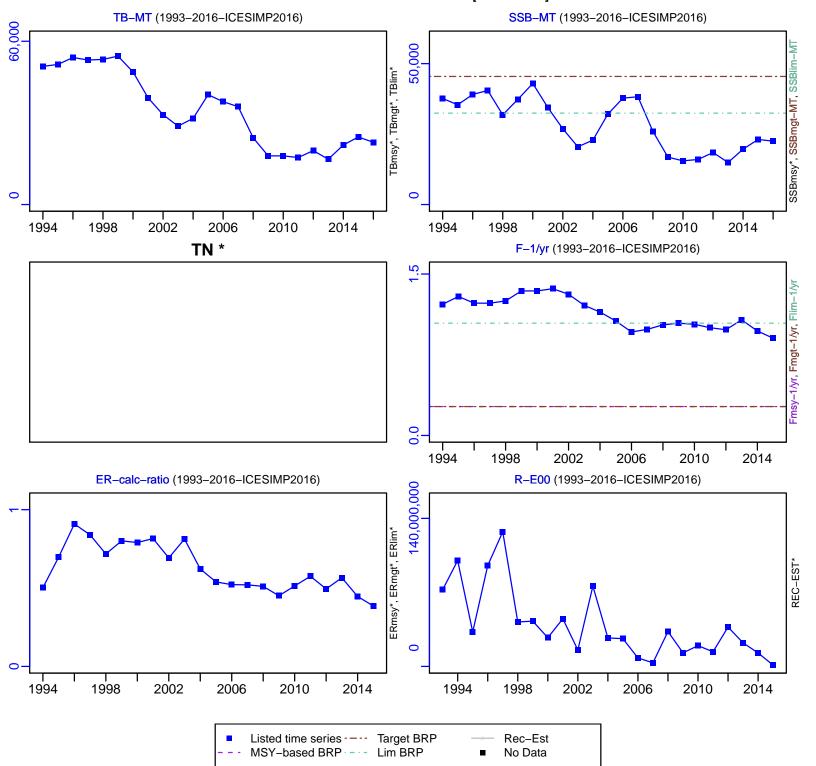


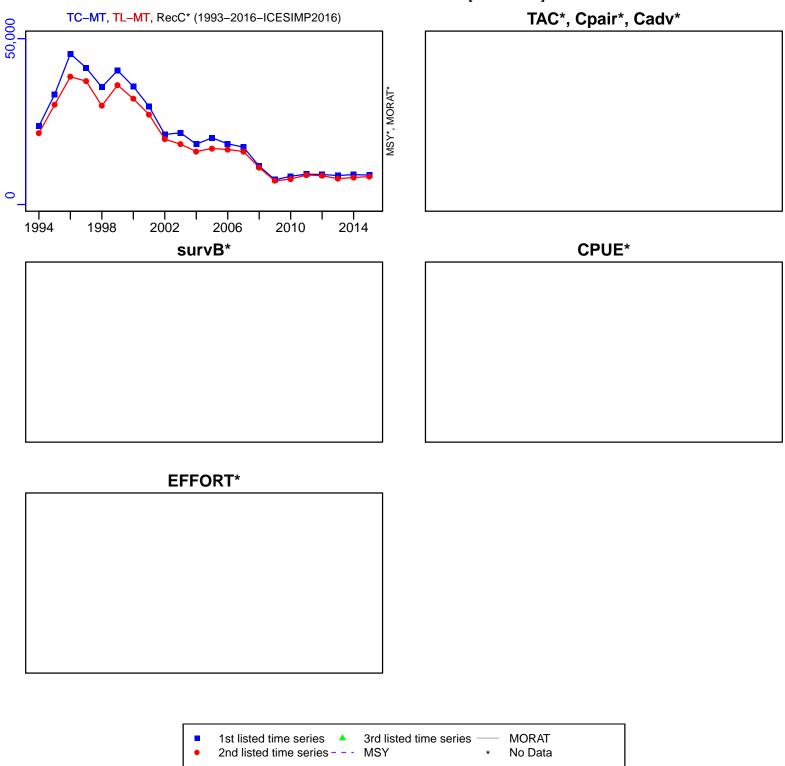
Metadata			
Scientific Name	Gadus morhua		
Current Assess ID	WGBFAS-CODBA2224-1993-2016-ICESIMP2016		
Area Western Baltic			
Management Authority	International Council for the Exploration of the Sea		
Assessor Baltic Fisheries Assessment Working Group			
Asmts in RAM	2012, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.26	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	38,400	
Fmgt	Fmgt-1/yr	2016	0.26	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	23,000	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	27,400	
Flim	Flim-1/yr	2016	1.01	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	22,400	-	-
SSB	SSB-MT	2016	19,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,090,000	-	1
F	F-1/yr	2016	0.88	-	3 to 5
ER	ER-calc-ratio	2016	0.36	-	-
TC	TC-MT	2016	8820		
TL	TL-MT	2016	8370	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	3.37		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.5		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	3.37		
ER/ERmgt	-	-	-		





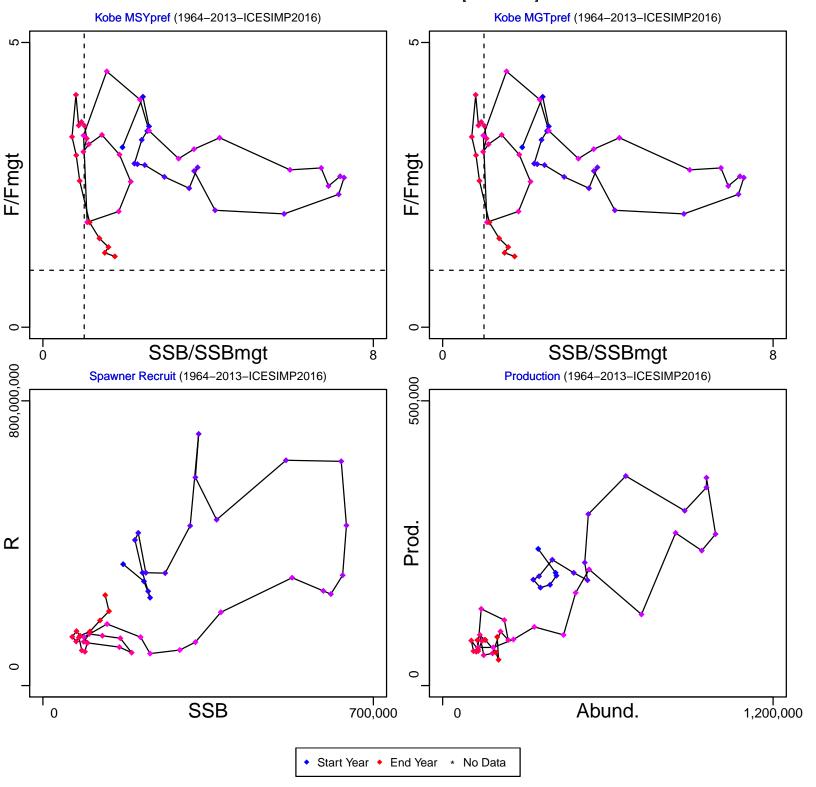


# Atlantic cod Baltic Areas 25-32 [CODBA2532]

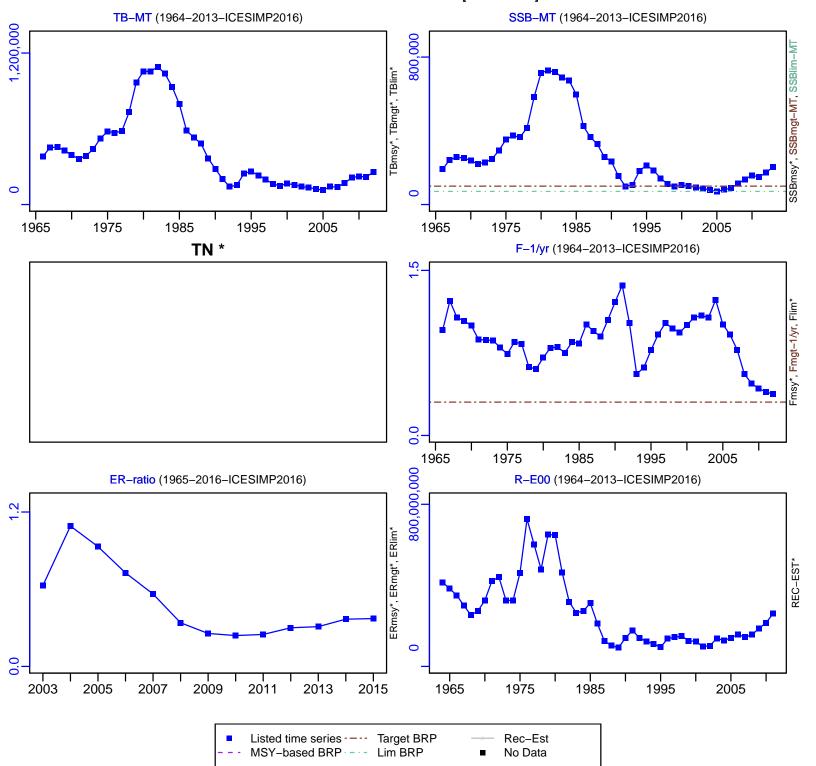
Metadata			
Scientific Name	Gadus morhua		
Current Assess ID WGBFAS-CODBA2532-1965-2016-ICESIMP2016			
Area Eastern Baltic			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2013, 2016, 2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2012	0.3	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2013	88,200	
Fmgt	Fmgt-1/yr	2013	0.3	
ERmgt	-	-		
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2013	63,000	
Flim	-	-	-	
ERlim	-	-	-	

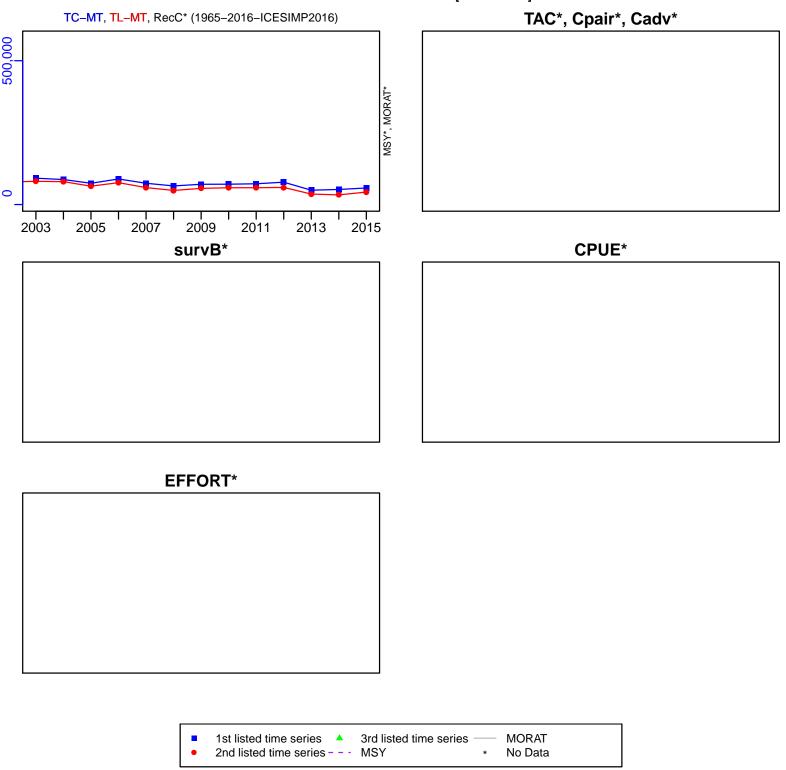
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	233,000	-	-
SSB	SSB-MT	2013	180,000	-	-
TN	-	-	-	-	-
R	R-E00	2013	$2.54 \times 10^{8}$	-	2
F	F-1/yr	2013	0.37	-	4 to 6
ER	ER-ratio	2016	0.34	-	-
TC	TC-MT	2016	49,600		
TL	TL-MT	2016	37,300	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2012	0.86		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2013	2.04		
F/Fmgt	F-1/yr/Fmgt-1/yr	2013	1.24		
ER/ERmgt	-	-	-		



#### Atlantic cod Baltic Areas 25-32 [CODBA2532]



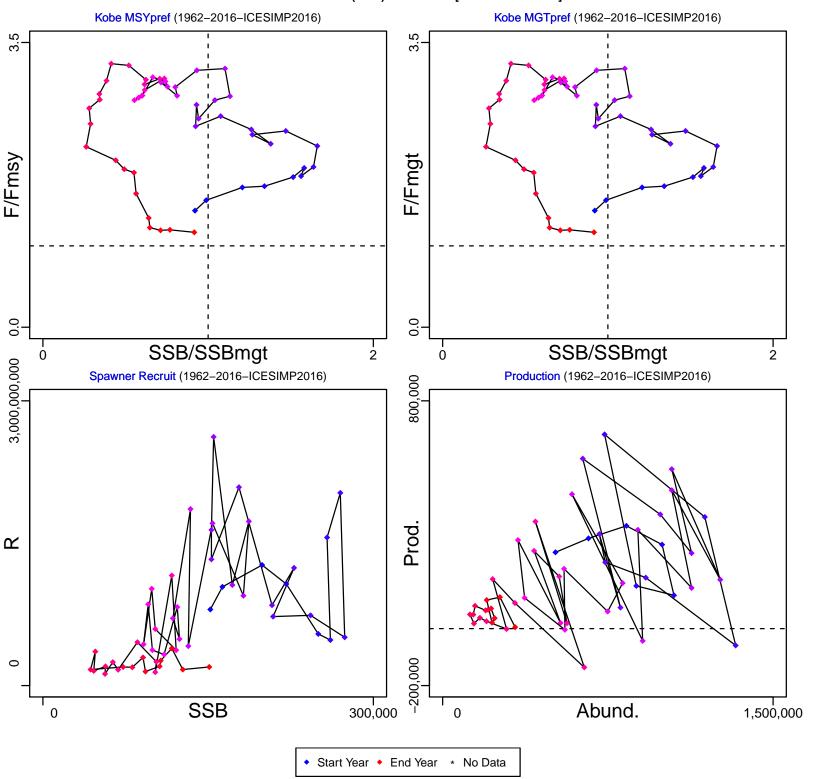
### Atlantic cod Baltic Areas 25-32 [CODBA2532]

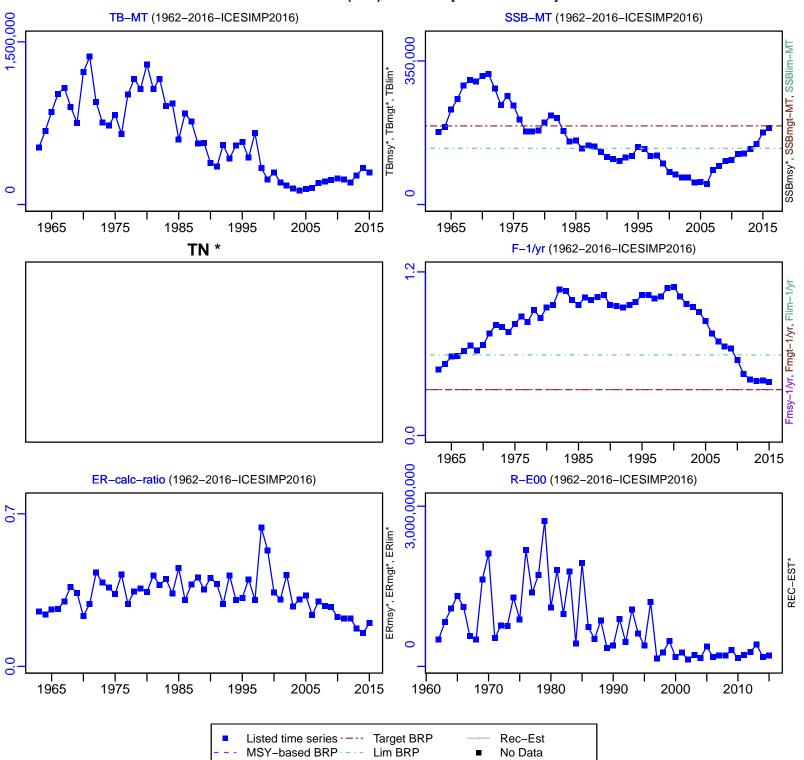


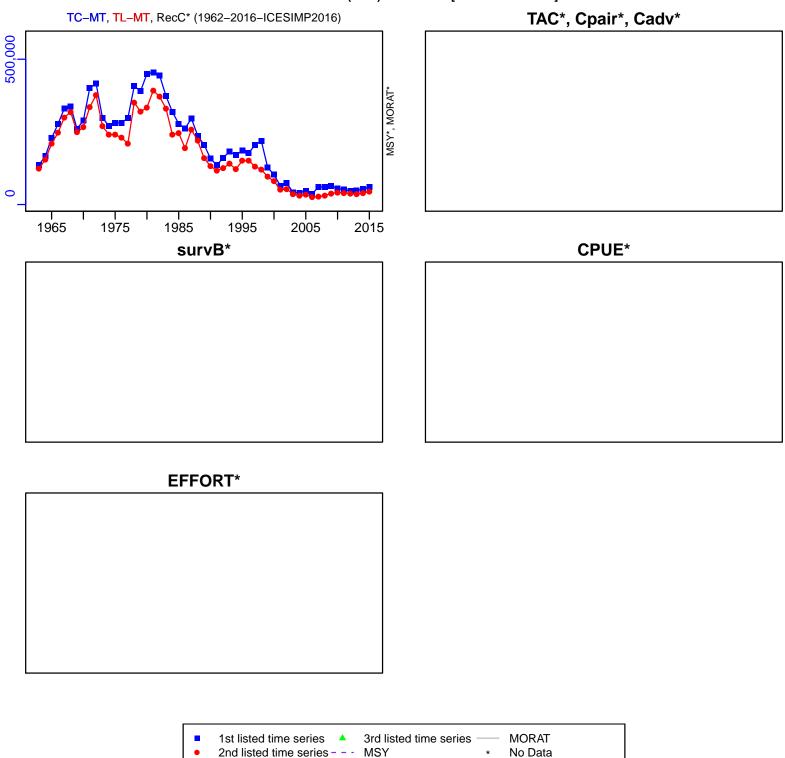
Metadata				
Scientific Name	Gadus morhua			
Current Assess ID WGNSSK-CODIIIaW-IV-VIId-1962-2016-ICESIMP2016				
Area IIIa (west) and IV-VIId				
Management Authority International Council for the Exploration of the Sea				
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak			
Asmts in RAM	2011, 2013, 2014, 2015, 2016			

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.33	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	165,000	
Fmgt	Fmgt-1/yr	2016	0.33	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	TBlim-MT	2011	70,000	
SSBlim	SSBlim-MT	2016	118,000	
Flim	Flim-1/yr	2016	0.58	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	288,000	-	-
SSB	SSB-MT	2016	161,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.96 \times 10^{8}$	-	1
F	F-1/yr	2016	0.38	-	2 to 4
ER	ER-calc-ratio	2016	0.18	-	-
TC	TC-MT	2016	52,300		
TL	TL-MT	2016	38,600	1	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.17		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.98		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.17		
ER/ERmgt	-	-	-		





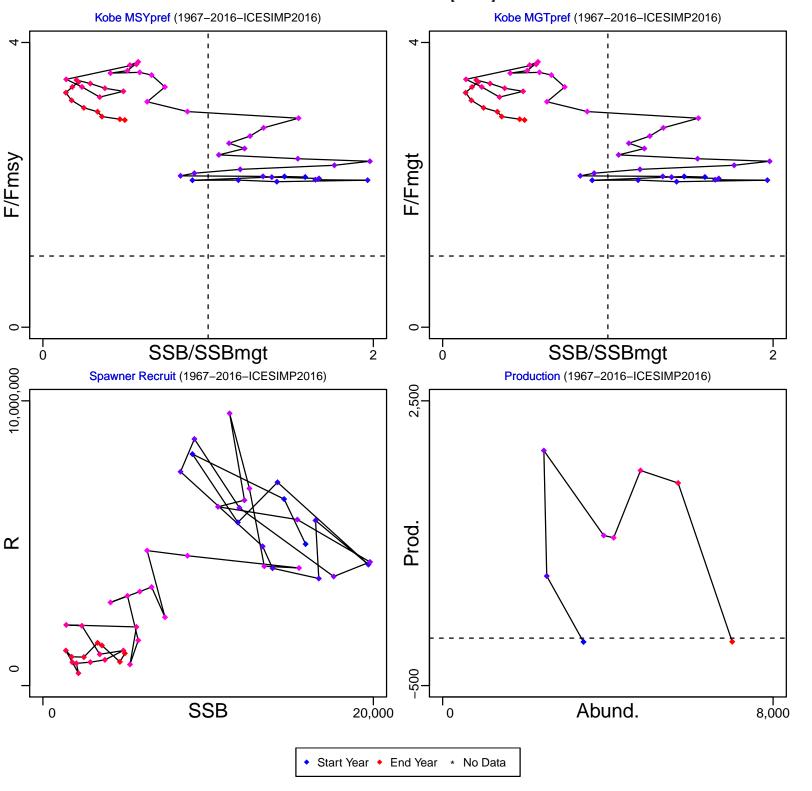


# Atlantic cod Irish Sea [CODIS]

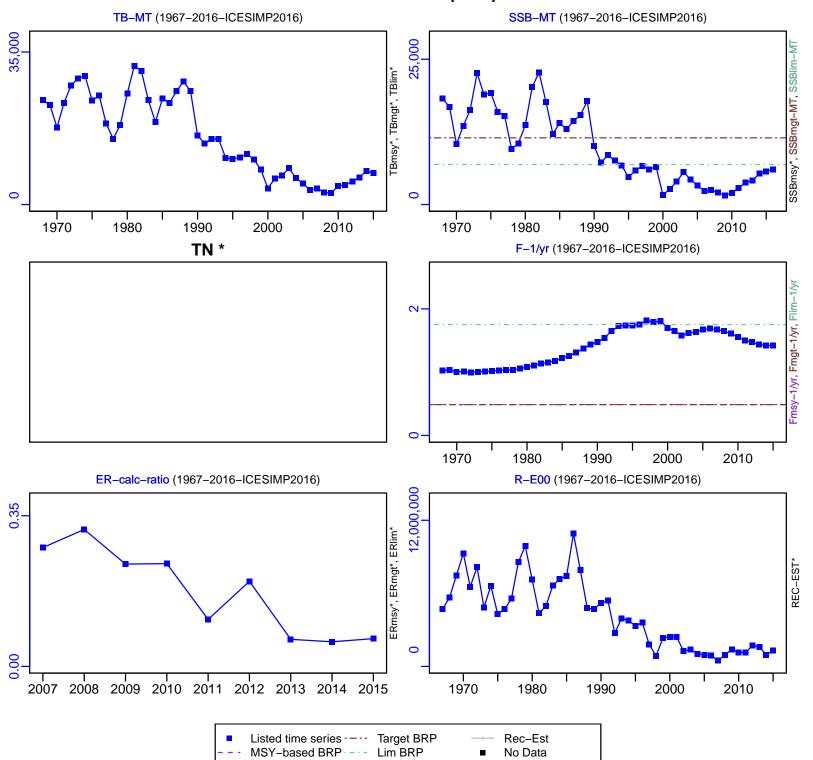
Metadata			
Scientific Name	Gadus morhua		
Current Assess ID WGCSE-CODIS-1967-2016-ICESIMP2016			
Area Irish Sea			
Management Authority	International Council for the Exploration of the Sea		
Assessor Working Group on Celtic Seas Ecosystems			
Asmts in RAM	2010, 2013, 2014, 2015, 2016		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.37
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	10,000
Fmgt	Fmgt-1/yr	2016	0.37
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	M-1/yr	2010	0.2
TBlim	TBlim-MT	2010	6000
SSBlim	SSBlim-MT	2016	6000
Flim	Flim-1/yr	2016	1.33
ERlim	-	-	-

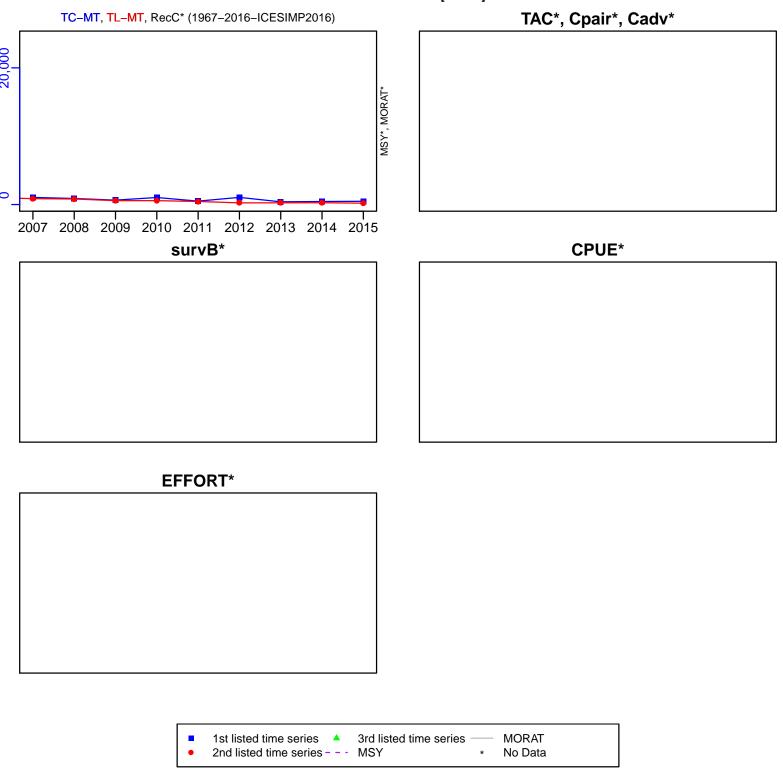
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	6610	-	-
SSB	SSB-MT	2016	5270	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,130,000	-	1
F	F-1/yr	2016	1.08	-	2 to 4
ER	ER-calc-ratio	2016	0.06	-	-
TC	TC-MT	2016	385		
TL	TL-MT	2016	161	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.91		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.53		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.91		
ER/ERmgt	-	-	-		



#### Atlantic cod Irish Sea [CODIS]



### Atlantic cod Irish Sea [CODIS]

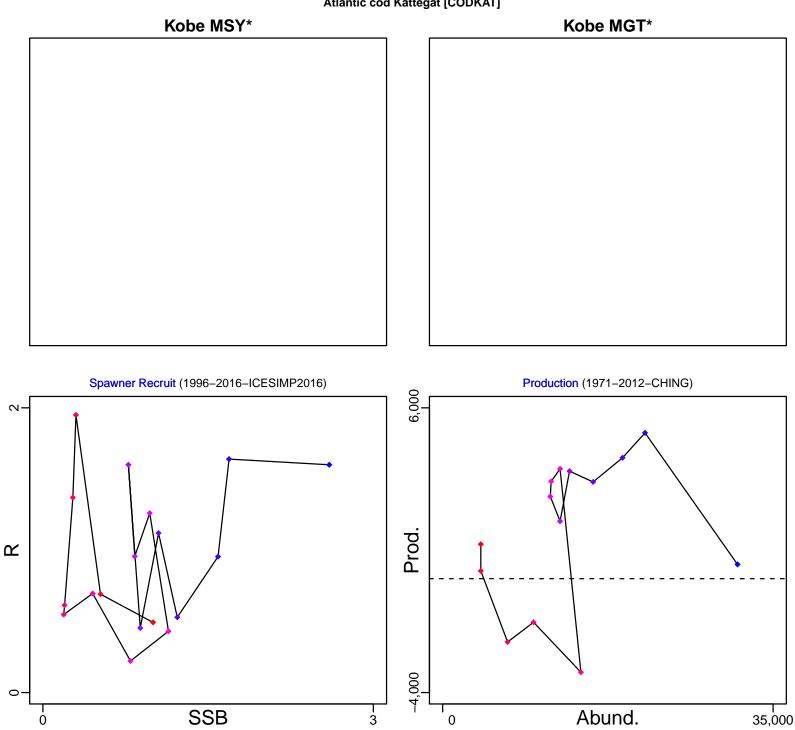


# Atlantic cod Kattegat [CODKAT]

Metadata			
Scientific Name	Gadus morhua		
Current Assess ID	WGBFAS-CODKAT-1996-2016-ICESIMP2016		
Area	Kattegat and Skagerrak		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2012, 2015, 2016		

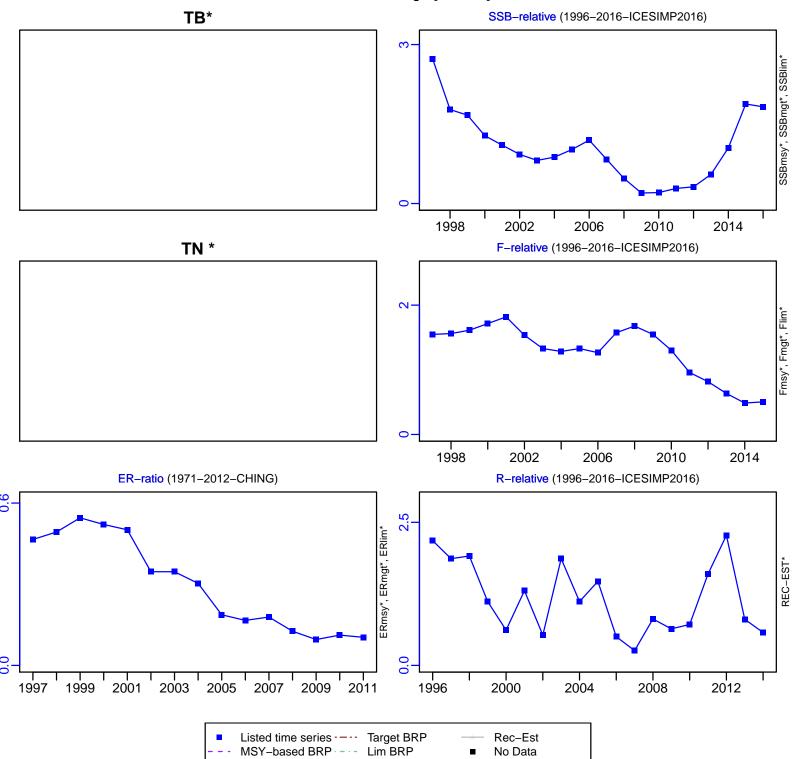
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-relative	2015	10,500
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	TBlim-MT	2012	6400
SSBlim	SSBlim-relative	2015	6400
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2016	2	-	-
TN	-	-	-	-	-
R	R-relative	2016	0	-	1
F	F-relative	2016	0.39	-	-
ER	ER-ratio	2012	0.1	-	-
TC	TC-MT	2016	508		
TL	TL-MT	2016	107		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

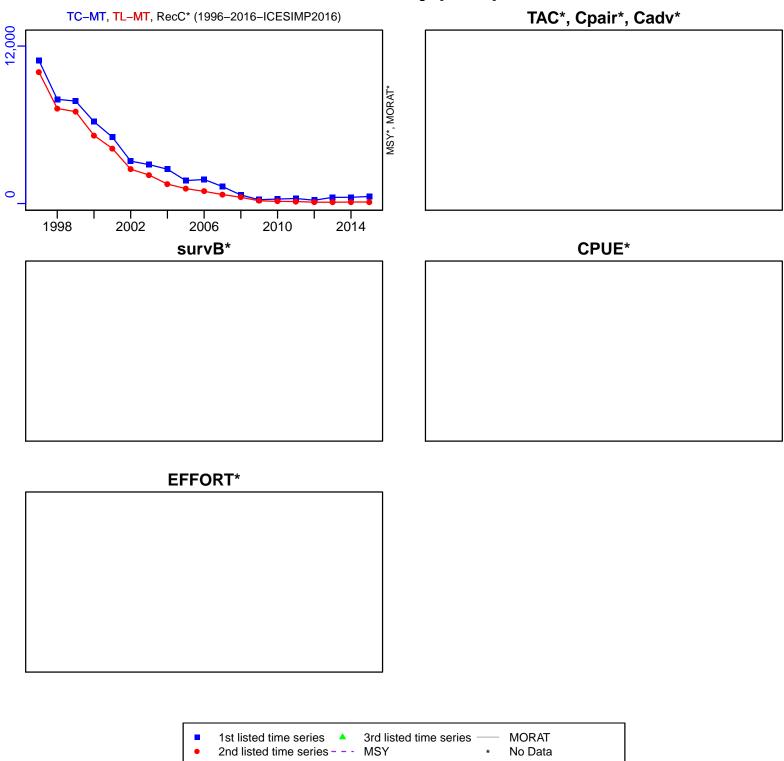


Start Year → End Year → No Data

### Atlantic cod Kattegat [CODKAT]



### Atlantic cod Kattegat [CODKAT]

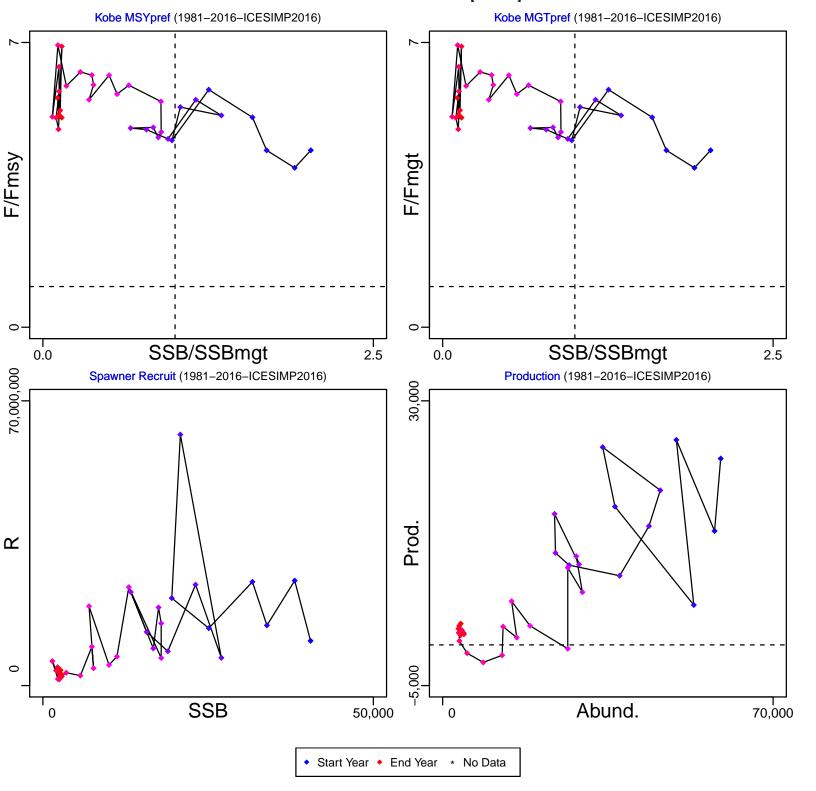


# Atlantic cod West of Scotland [CODVIa]

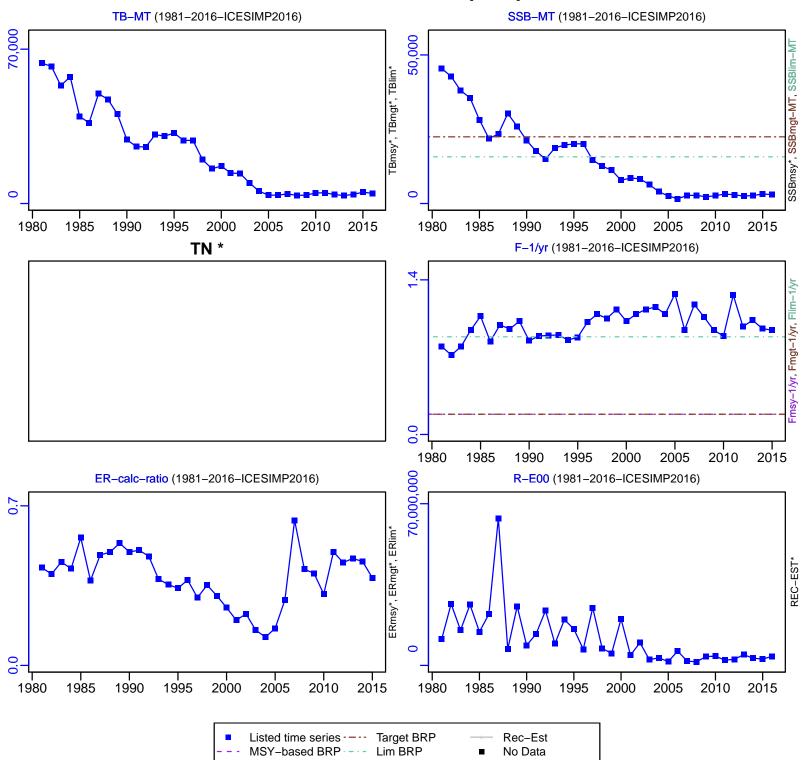
Metadata			
Scientific Name	Gadus morhua		
Current Assess ID	WGCSE-CODVIa-1981-2016-ICESIMP2016		
Area	West of Scotland		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2013, 2014, 2015, 2012, 2016		

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	SSBmsy-pr-MT	2012	22,000
Fmsy	Fmsy-1/yr	2016	0.17
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	20,000
Fmgt	Fmgt-1/yr	2016	0.17
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	14,000
Flim	Flim-1/yr	2016	0.82
ERlim	-	-	-

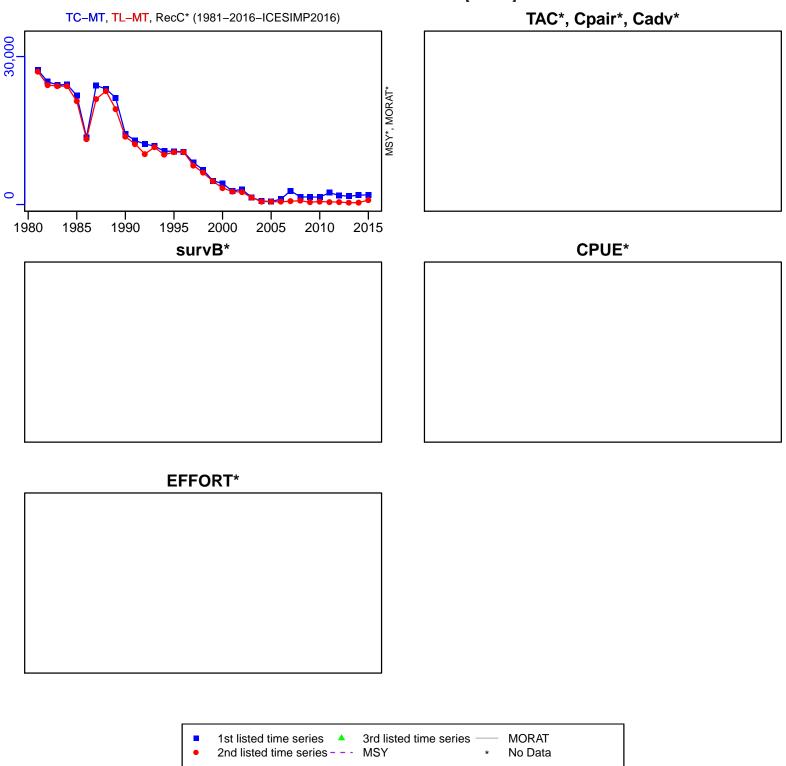
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	4270	-	-
SSB	SSB-MT	2016	2680	-	-
TN	-	-	-	-	-
R	R-E00	2016	3,780,000	-	-
F	F-1/yr	2016	0.88	-	-
ER	ER-calc-ratio	2016	0.37	-	-
TC	TC-MT	2016	1750		
TL	TL-MT	2016	770		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-pr-MT	2012	0.17		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	5.15		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.13		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	5.15		
ER/ERmgt	-	-	-		



#### Atlantic cod West of Scotland [CODVIa]



### Atlantic cod West of Scotland [CODVIa]

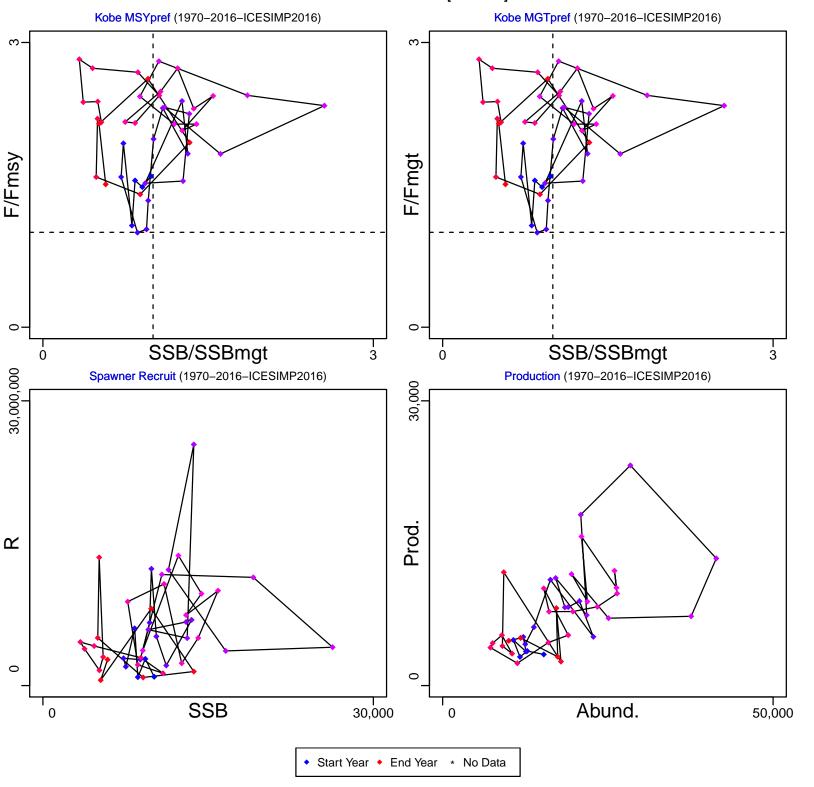


# Atlantic Cod Celtic Sea [CODVIlek]

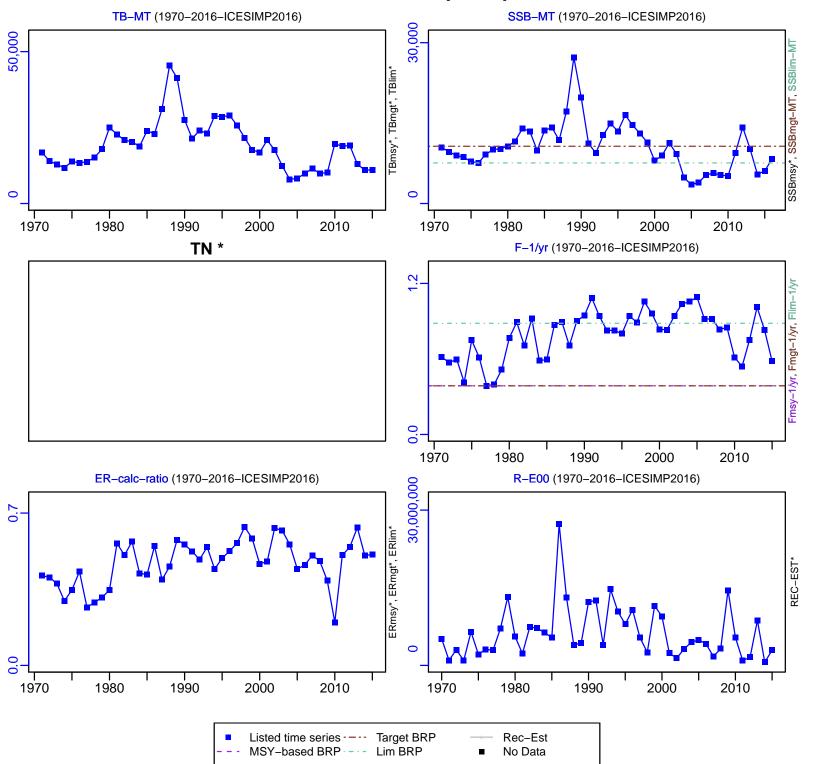
Metadata			
Scientific Name	Gadus morhua		
Current Assess ID	WGCSE-CODVIIek-1970-2016-ICESIMP2016		
Area Celtic Sea			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2012, 2013, 2014, 2015, 2016		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.35		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	10,300		
Fmgt	Fmgt-1/yr	2016	0.35		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	MSY-MT	2012	10,300		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	7300		
Flim	Flim-1/yr	2016	8.0		
ERlim	-	-	-		

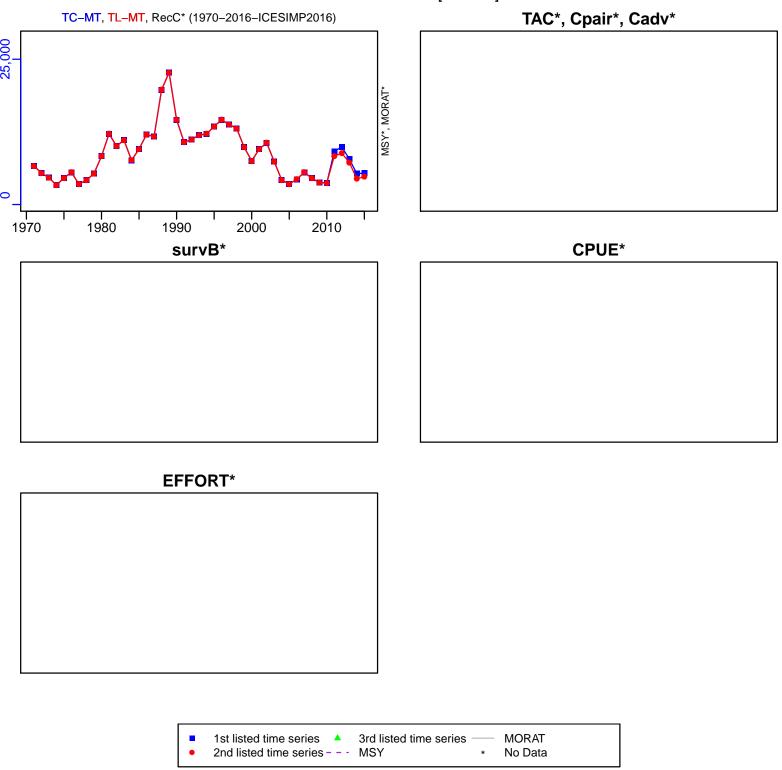
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	10,100	-	-
SSB	SSB-MT	2016	8040	-	-
TN	-	-	-	-	-
R	R-E00	2016	2,740,000	-	1
F	F-1/yr	2016	0.53	-	2 to 5
ER	ER-calc-ratio	2016	0.47	-	-
TC	TC-MT	2016	4720		
TL	TL-MT	2016	4150	1	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.51	]	
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.78		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.51		
ER/ERmgt	-	-	-		



#### Atlantic Cod Celtic Sea [CODVIIek]



### Atlantic Cod Celtic Sea [CODVIlek]

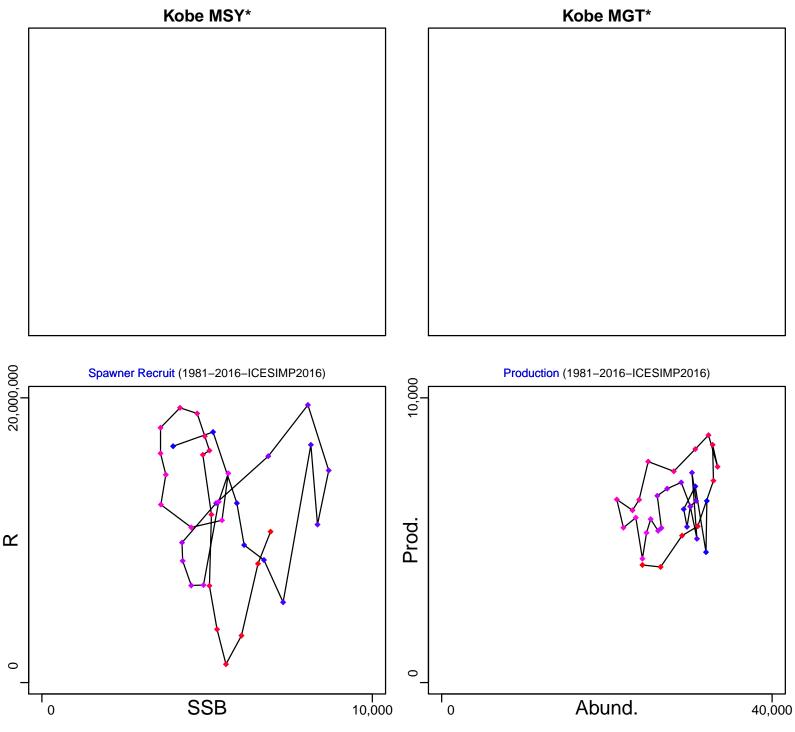


# Tusk Va and XIV [CUSKVa-XIV]

Metadata			
Scientific Name	Brosme brosme		
Current Assess ID WGDEEP-CUSKVa-XIV-1981-2016-ICESIMP2016			
Area Va and XIV			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources		
Asmts in RAM	2014, 2015, 2016		

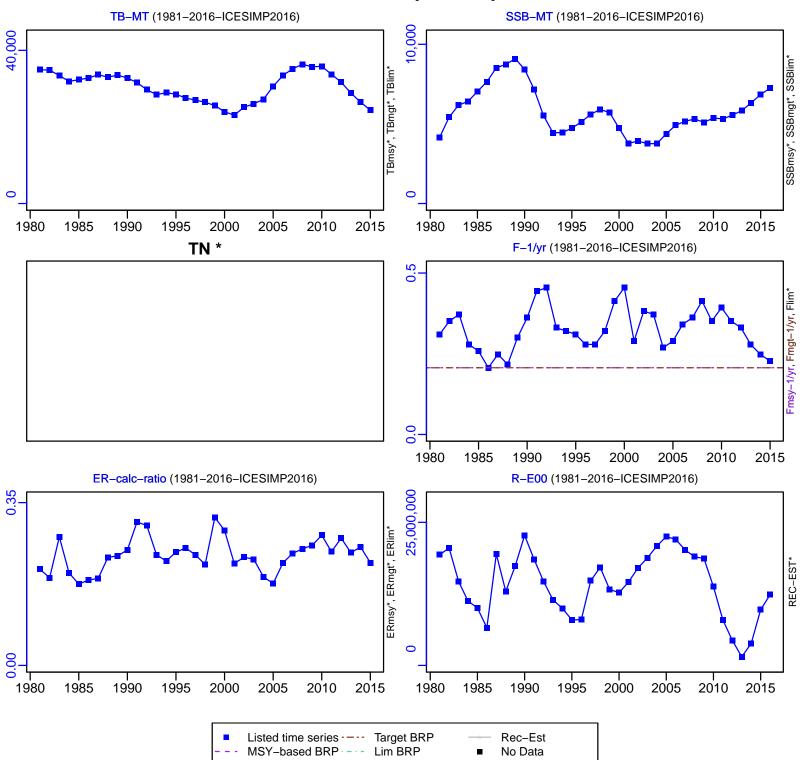
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.2	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2016	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	22,400	-	-
SSB	SSB-MT	2016	6920	-	-
TN	-	-	-	-	-
R	R-E00	2016	10,600,000	-	-
F	F-1/yr	2016	0.22	-	-
ER	ER-calc-ratio	2016	0.22	-	-
TC	TC-MT	2016	4820		
TL	TL-MT	2014	6260		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.1		
ER/ERmgt	-	-	-		

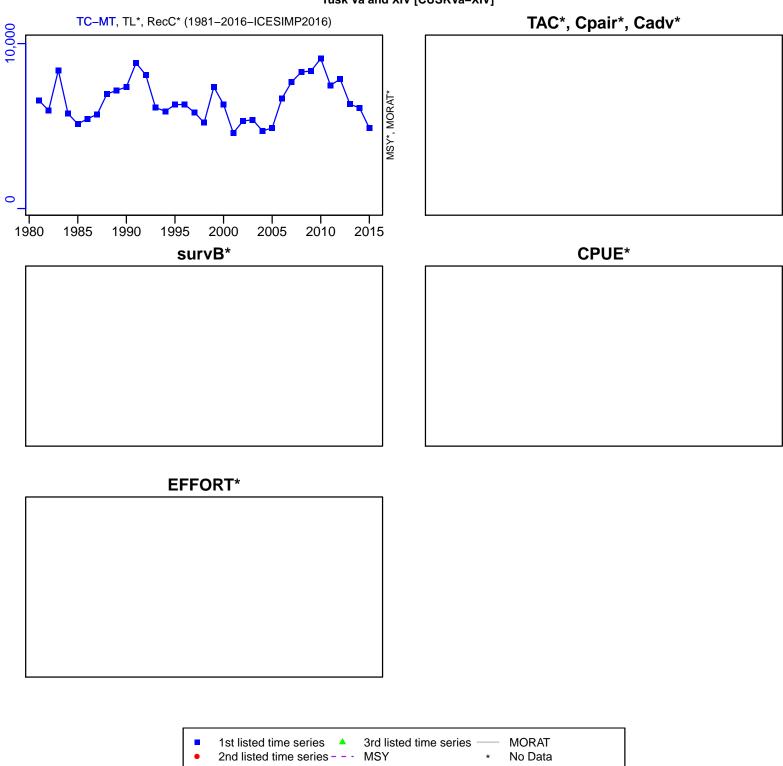


Start Year • End Year \* No Data

#### Tusk Va and XIV [CUSKVa-XIV]



### Tusk Va and XIV [CUSKVa-XIV]



# Tusk Rockall Bank [CUSKVIb]

Metadata					
Scientific Name	Brosme brosme				
Current Assess ID	WGDEEP-CUSKVIb-1988-2016-ICESIMP2016				
Area	Rockall Bank				
Management Authority	International Council for the Exploration of the Sea				
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources				
Asmts in RAM	2016				

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

Time Series									
Туре	ID	Asmt Year	Curr Value	Sex	Age				
ТВ	-	-	-	-	-				
SSB	-	-	-	-	-				
TN	-	-	-	-	-				
R	-	-	-	-	-				
F	-	-	-	-	-				
ER	-	-	-	-	-				
TC	-	-	-						
TL	TL-MT	2016	226						
TB/TBmsy	-	-	-						
SSB/SSBmsy	-	-	-						
F/Fmsy	-	-	-						
ER/ERmsy	-	-	-						
TB/TBmgt	-	-	-						
SSB/SSBmgt	-	-	-						
F/Fmgt	-	-	-						
ER/ERmgt	-	-	-						

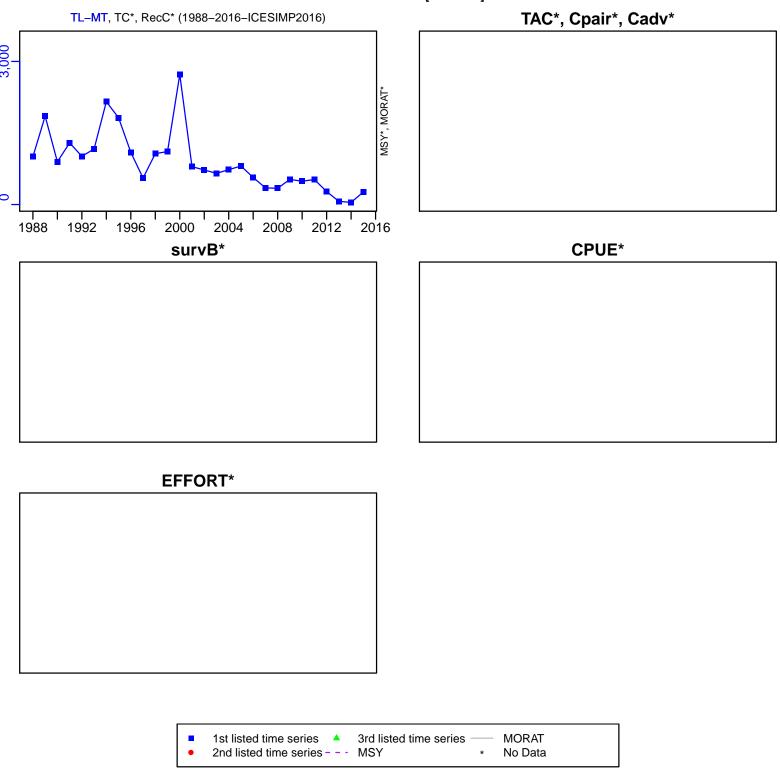
### Tusk Rockall Bank [CUSKVIb]

Kobe MGT*
Production*

#### Tusk Rockall Bank [CUSKVIb]

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data

#### Tusk Rockall Bank [CUSKVIb]



Metadata		
Scientific Name	Brosme brosme	
Current Assess ID	WGDEEP-CUSKXII-1988-2015-ICESIMP2016	
Area	North of Azores	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources	
Asmts in RAM	2015	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	0		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



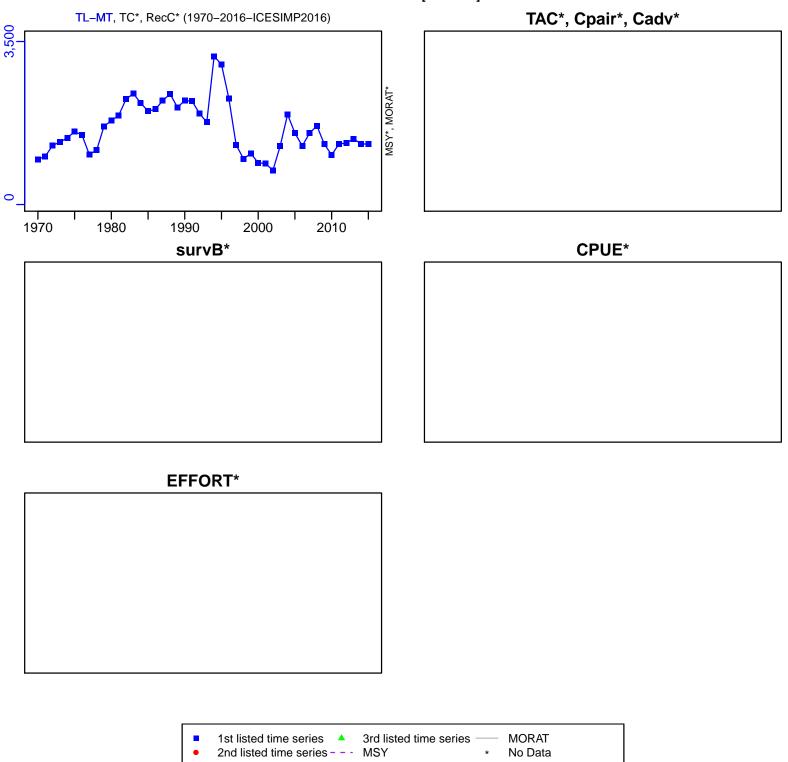
Metadata		
Scientific Name	Limanda limanda	
Current Assess ID	WGBFAS-DAB2232-1970-2016-ICESIMP2016	
Area	Baltic Areas 22-32	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Baltic Fisheries Assessment Working Group	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1270		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-	]	

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

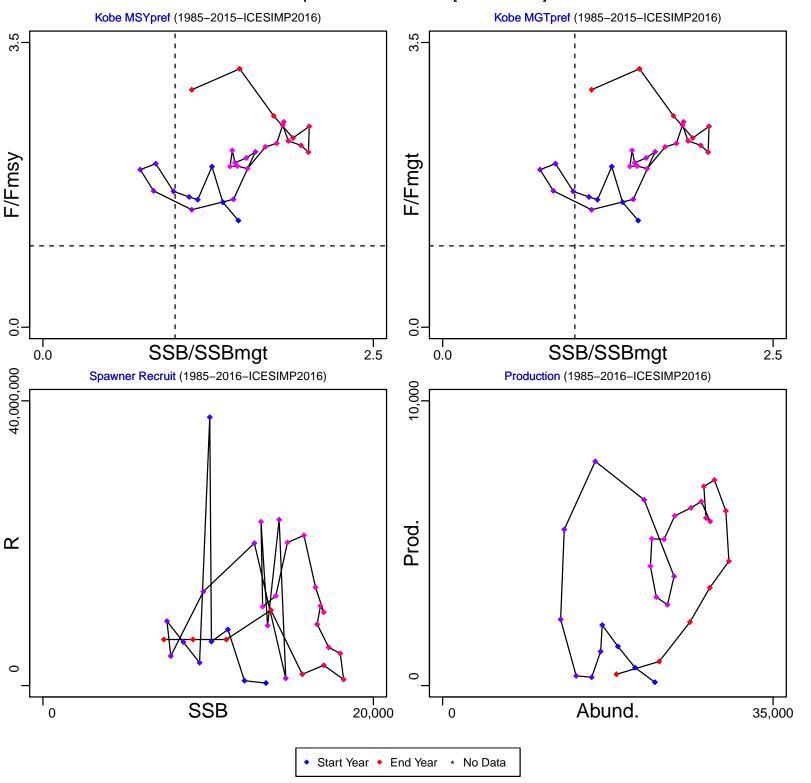
TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data

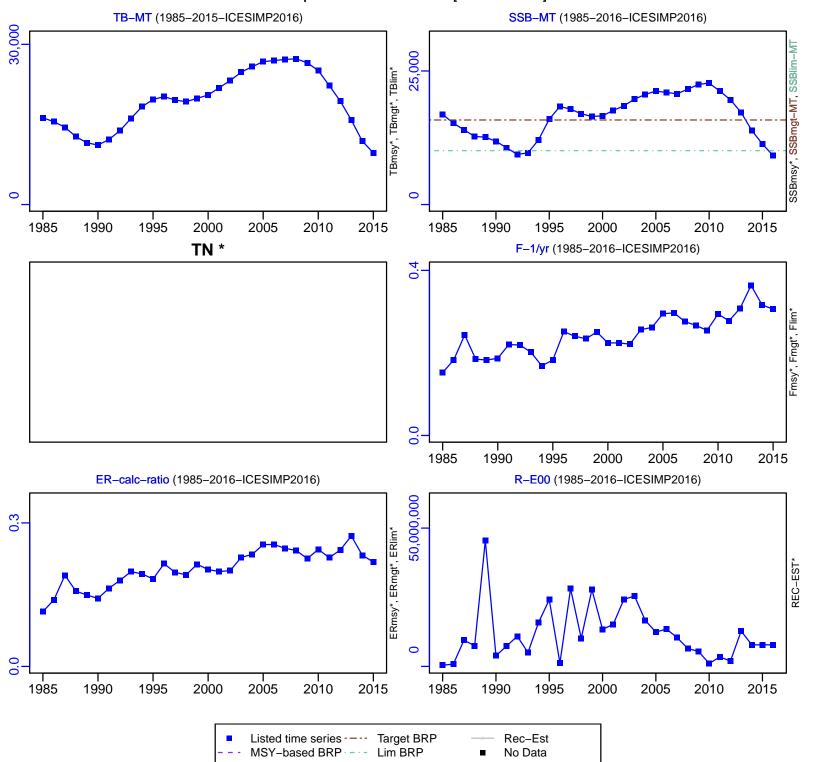


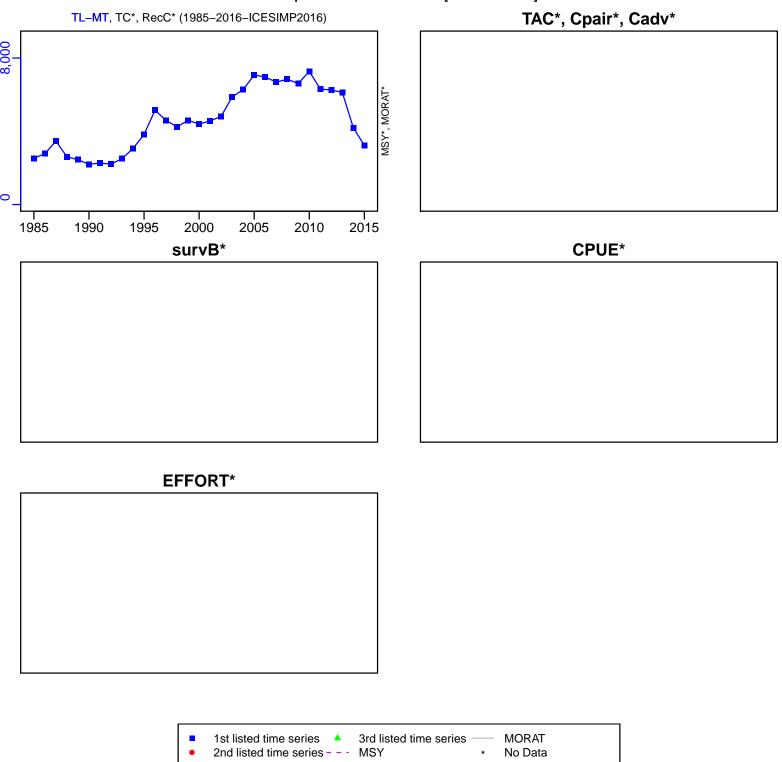
Metadata		
Scientific Name Dicentrarchus labrax		
Current Assess ID	WGCSE-EBASSIVbc-VII-1985-2016-ICESIMP2016	
Area IVbc and VII		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2014, 2015, 2016	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2015	0.13	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	12,673	
Fmgt	Fmgt-1/yr	2015	0.13	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	8075	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	9290	-	-
SSB	SSB-MT	2016	7320	-	-
TN	-	-	-	-	-
R	R-E00	2016	6,470,000	-	0
F	F-1/yr	2016	0.3	-	5 to 11
ER	ER-calc-ratio	2016	0.19	-	-
TC	-	-	-		
TL	TL-MT	2016	2840		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	2.92		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.58		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	2.92		
ER/ERmgt	-	-	-		







Metadata		
Scientific Name Dicentrarchus labrax		
Current Assess ID	WGCSE-EBASSVIa-VIIb-j-1995-2015-ICESIMP2016	
Area VIa and VIIb-j		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	2		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
Γ	
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data



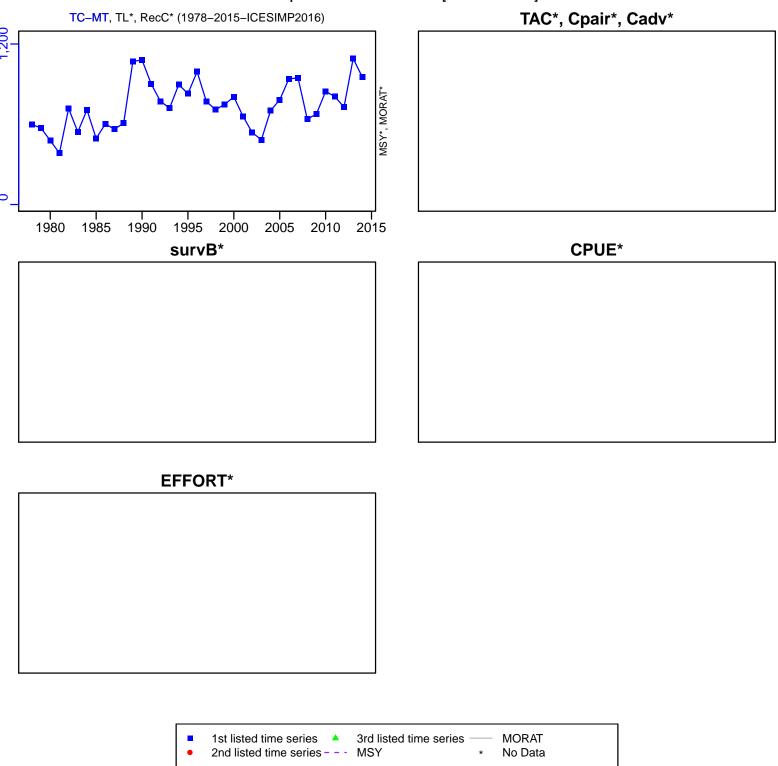
Metadata		
Scientific Name Dicentrarchus labrax		
Current Assess ID	WGBIE-EBASSVIIIc-IXa-1978-2015-ICESIMP2016	
Area VIIIc-IXa		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM 2015		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	917		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

TB*	SSB*
TN *	F*
ED*	Doowito*
ER*	Recruits*
	J
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



# **European flounder Subdivisions 22-23 [EFLOUN2223]**

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN2223-1973-2016-ICESIMP2016
Area	Subdivisions 22-23
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1130		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

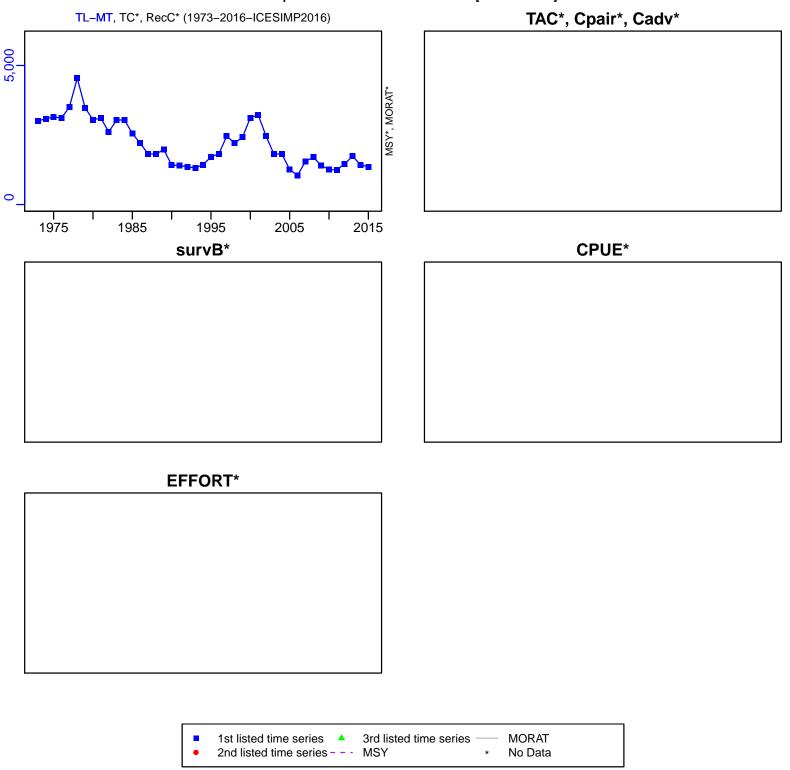
## European flounder Subdivisions 22–23 [EFLOUN2223]

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

## European flounder Subdivisions 22–23 [EFLOUN2223]

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

### European flounder Subdivisions 22-23 [EFLOUN2223]



# **European flounder Subdivisions 24-25 [EFLOUN2425]**

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN2425-1973-2016-ICESIMP2016
Area	Subdivisions 24-25
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	11,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

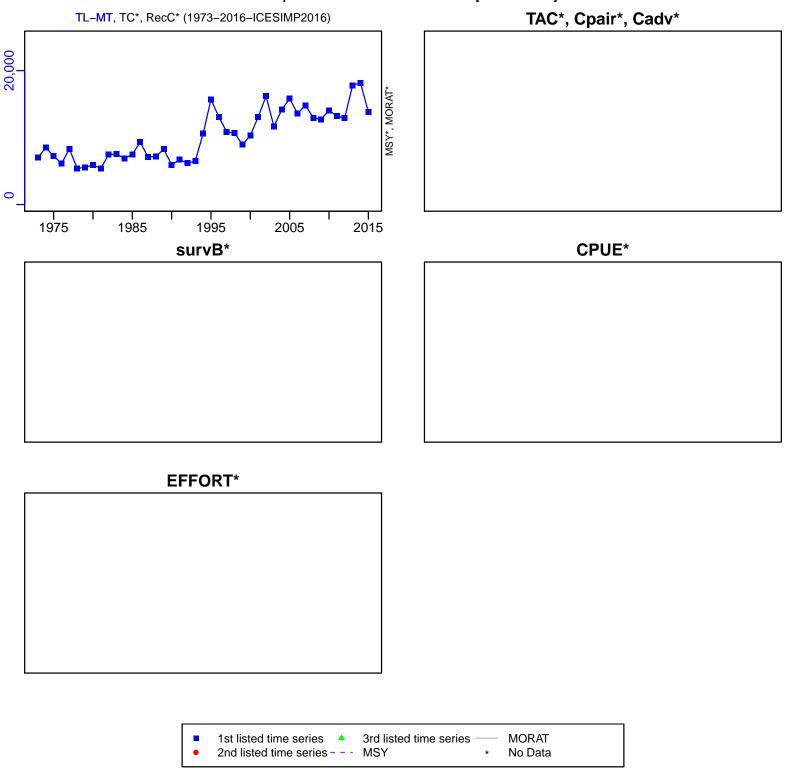
## European flounder Subdivisions 24–25 [EFLOUN2425]

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

## European flounder Subdivisions 24–25 [EFLOUN2425]

TB*	SSB*
Th! *	<b>-</b> +
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	
	arget BRP Rec-Est

### European flounder Subdivisions 24-25 [EFLOUN2425]



## **European flounder Subdivisions 26-28 [EFLOUN26-28]**

Metadata	
Scientific Name	Platichthys flesus
Current Assess ID	WGBFAS-EFLOUN26-28-1996-2016-ICESIMP2016
Area	Subdivisions 26-28
Management Authority	International Council for the Exploration of the Sea
Assessor	Baltic Fisheries Assessment Working Group
Asmts in RAM	2016

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

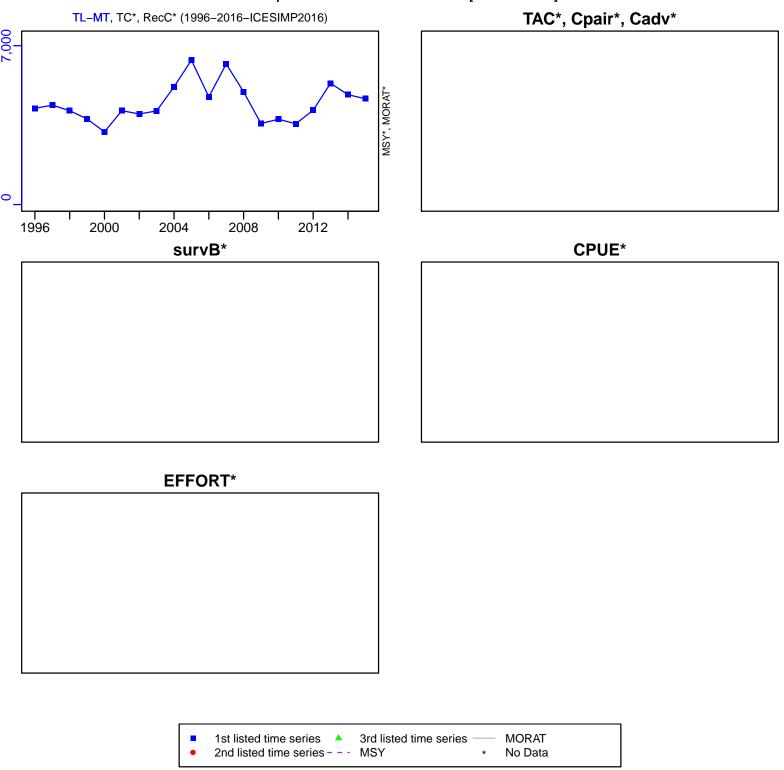
Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2016	4440			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

## European flounder Subdivisions 26–28 [EFLOUN26–28]

Kobe MGT*
Production*

## European flounder Subdivisions 26–28 [EFLOUN26–28]

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



# European flounder Subdivisions 27 and 29-32 [EFLOUN27-2932]

Metadata			
Scientific Name	Platichthys flesus		
Current Assess ID	WGBFAS-EFLOUN27-2932-1980-2016-ICESIMP2016		
Area	Subdivisions 27 and 29-32		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2016		

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

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2016	176			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

## European flounder Subdivisions 27 and 29-32 [EFLOUN27-2932]

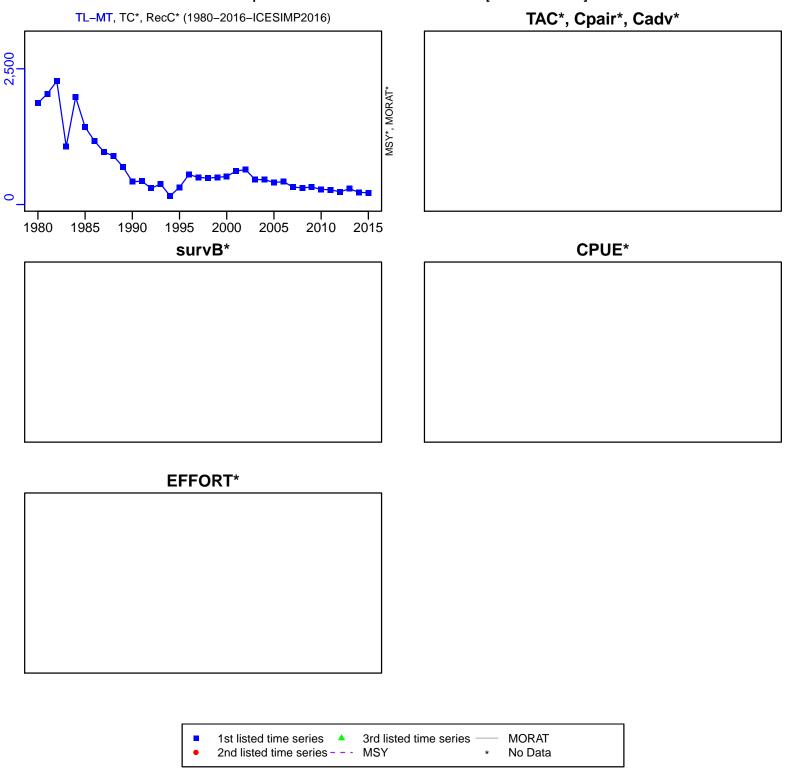
Kobe MGT*
Production*

◆ Start Year ◆ End Year \* No Data

## European flounder Subdivisions 27 and 29–32 [EFLOUN27–2932]

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data

## European flounder Subdivisions 27 and 29–32 [EFLOUN27–2932]



Metadata		
Scientific Name	Pollachius pollachius	
Current Assess ID	WGNSSK-EPOLLIV-IIIa-1977-2016-ICESIMP2016	
Area	Illa and North Sea	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak	
Asmts in RAM	2016	

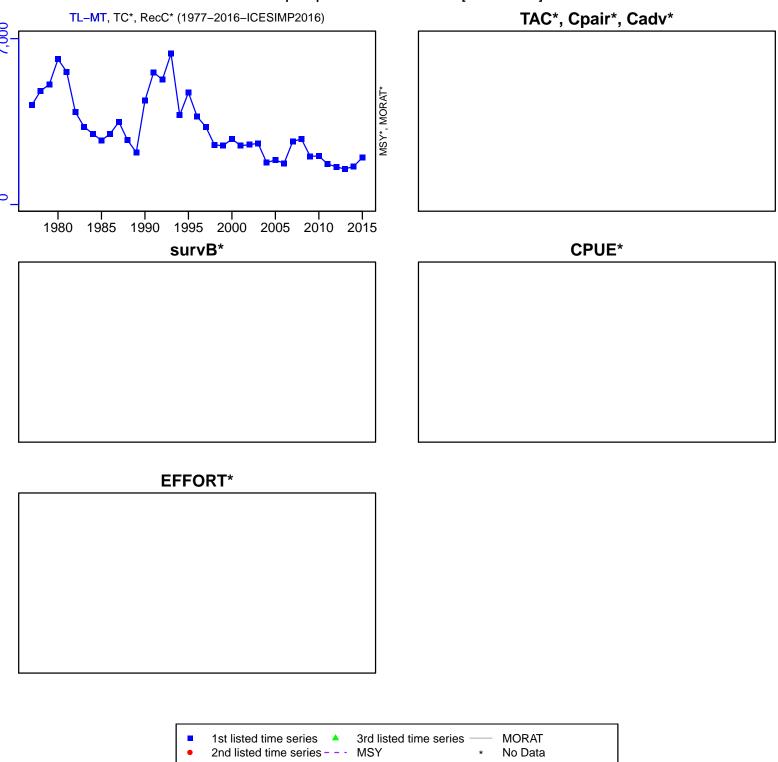
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1970		
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

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



Metadata		
Scientific Name	Pollachius pollachius	
Current Assess ID	WGBIE-EPOLLVIII-IXa-1985-2016-ICESIMP2016	
Area	VIII and IXa	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2015, 2016	

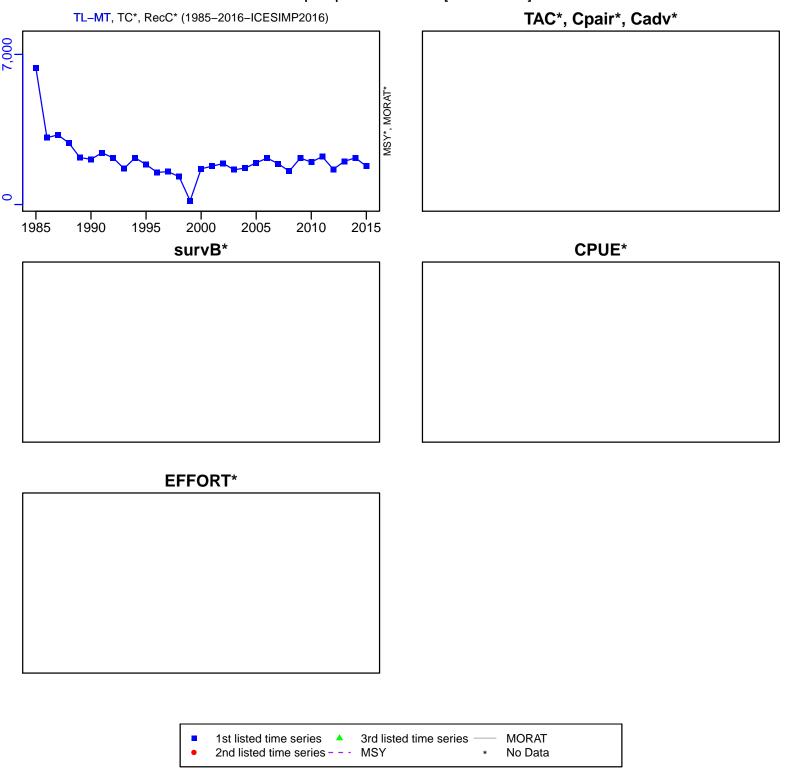
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Consumon Do souitt	Duaduation*
Shawhar Racrillit"	Production"
Spawner Recruit*	Production*
Spawner Recruit	Production*
Spawner Recruit	Production
Spawner Recruit*	Production
Spawner Recruit*	Production*
Spawner Recruit*	Production*
Spawner Recruit*	Production
Spawner Recruit	Production*
Spawner Recruit*	Production*
Spawner Recruit*	Production*
Spawner Recruit*	Production*
Spawner Recruit	Production*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

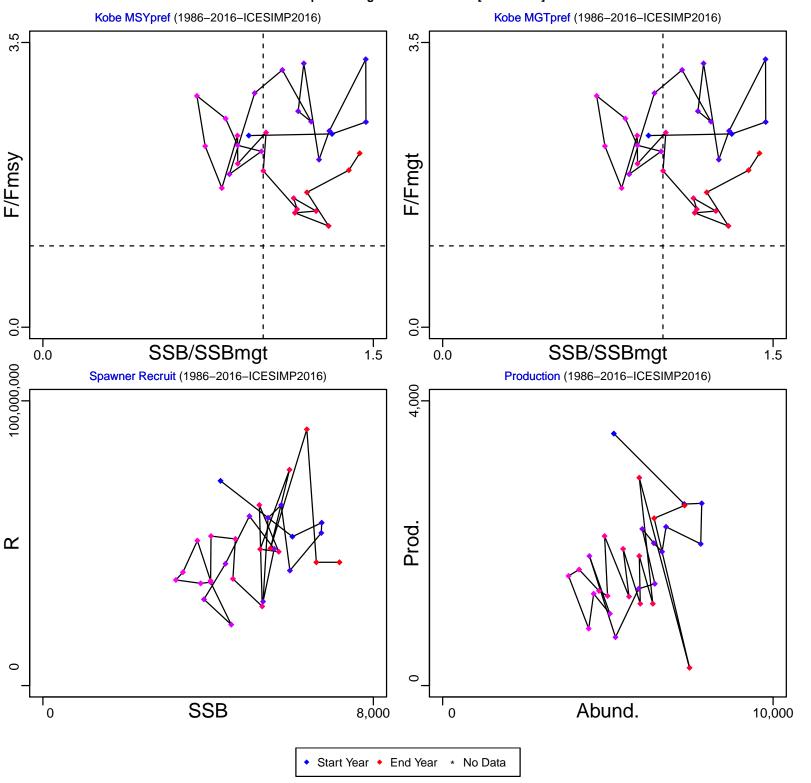
TB*	SSB*
Th! *	<b>-</b> +
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	
	arget BRP Rec-Est

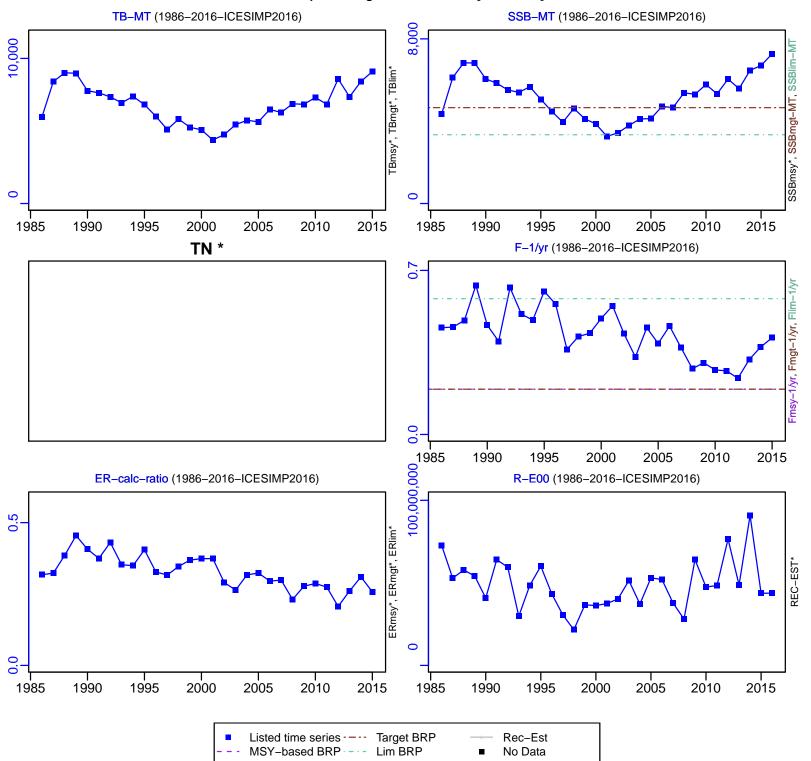


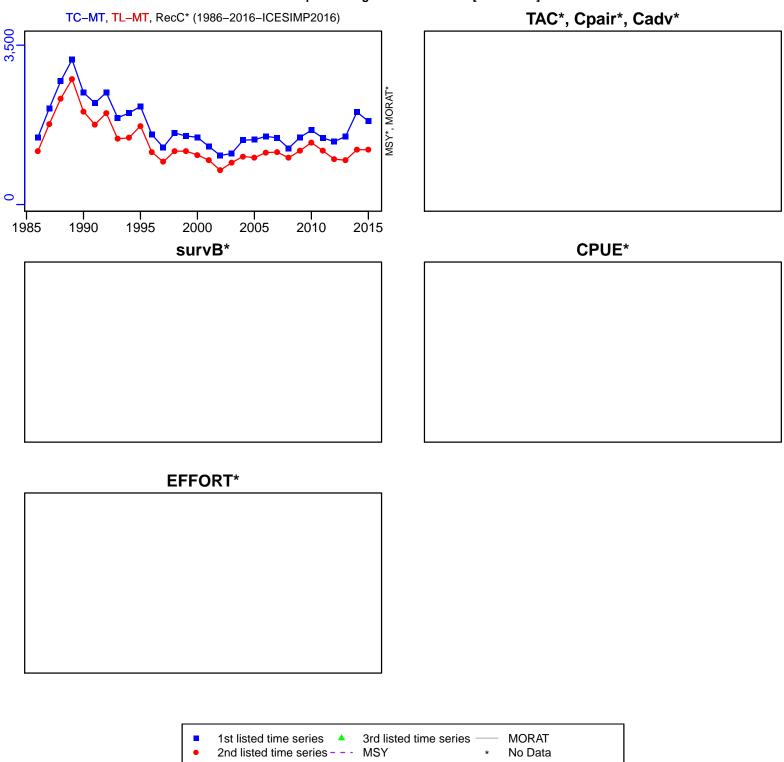
	Metadata
Scientific Name	Lepidorhombus boscii
Current Assess ID	WGBIE-FMEG8c9a-1986-2016-ICESIMP2016
Area	VIIIc-IXa
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion
Asmts in RAM	2014, 2015, 2016, 2010, 2013

	Reference	Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.19
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	4600
Fmgt	Fmgt-1/yr	2016	0.19
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2010	0.2
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	3300
Flim	Flim-1/yr	2016	0.57
ERlim	-	-	-

	Time	Series			
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	7910	-	-
SSB	SSB-MT	2016	7180	-	-
TN	-	-	-	-	-
R	R-E00	2016	43,300,000	-	0
F	F-1/yr	2016	0.41	-	2 to 4
ER	ER-calc-ratio	2016	0.22	-	-
TC	TC-MT	2016	1750		
TL	TL-MT	2016	1150		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.14		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.56		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.14		
ER/ERmgt	-	-	-		







	Metadata
Scientific Name	Phycis blennoides
Current Assess ID	WGDEEP-GFORKNEATL-2005-2016-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

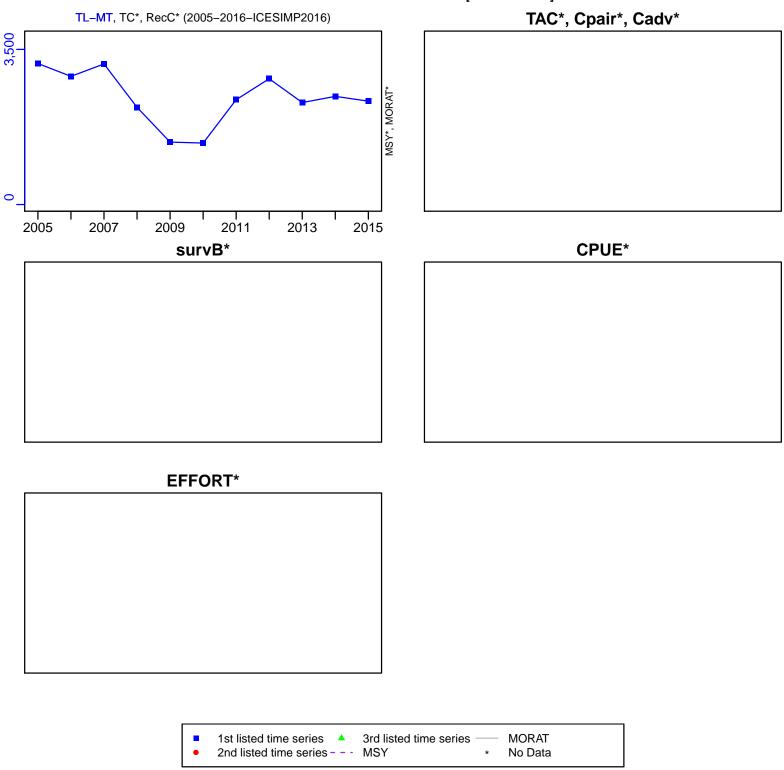
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

		Time Series	1		
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2170		
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

TB*	SSB*
Th! *	<b>-</b> +
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	
	arget BRP Rec-Est



# Grey gurnard Illa, VIId and North Sea [GGURNIIIa-IV-VIId]

Metadata		
Scientific Name	Eutrigla gurnardus	
Current Assess ID	WGNSSK-GGURNIIIa-IV-VIId-1983-2016-ICESIMP2016	
Area	Illa, VIId and North Sea	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2016	

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	<b>i</b>		
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2030		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

## Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

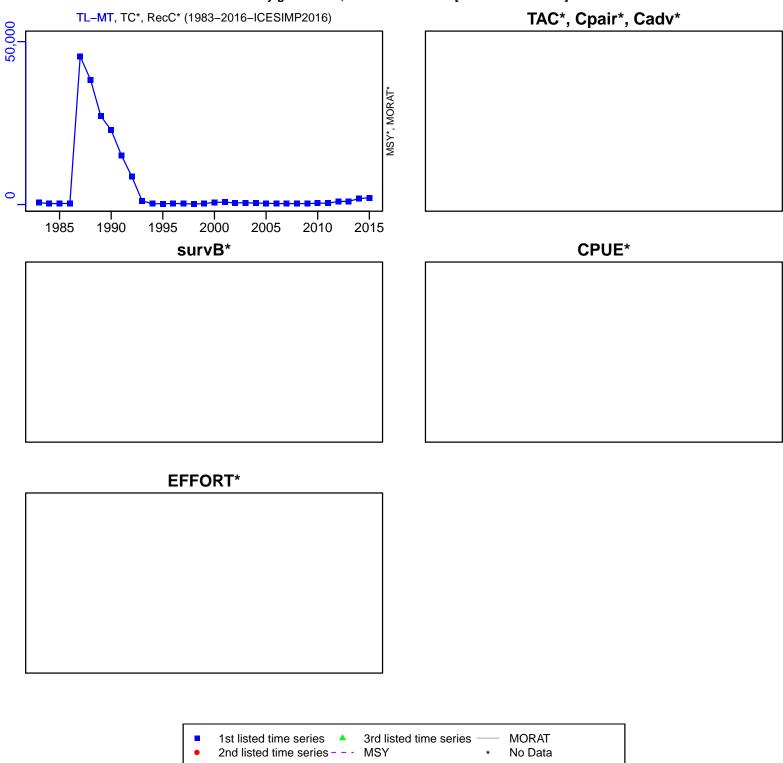
Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

## Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]

TB*	SSB*
TN *	F*
ER*	Recruits*
Γ	
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data

## Grey gurnard IIIa, VIId and North Sea [GGURNIIIa-IV-VIId]



Metadata		
Scientific Name	Reinhardtius hippoglossoides	
Current Assess ID	NAFO-SC-GHAL01ABCDEF-1987-2006-PREFONTAINE	
Area NAFO divisions 01ABCDEF		
Management Authority	Northwest Atlantic Fisheries Organization	
Assessor	NAFO Scientific Council	
Asmts in RAM	2006	

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2006	0.22
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-1-MT	2006	12,200		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

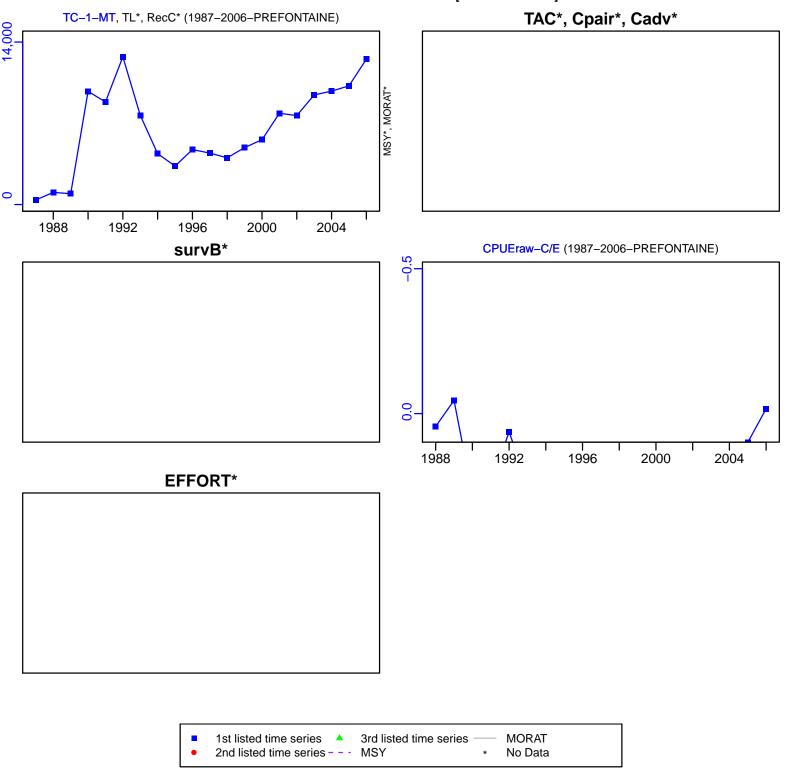
Kobe MSY*	Kobe MGT*
Snawner Recruit*	Production*
Spawner Recruit*	
Opawner Recitate	
Opawner Recitate	
Opawner Recruit	
Opawner receruit	
Opawner receruit	

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	<b>F</b> *
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est

No Data

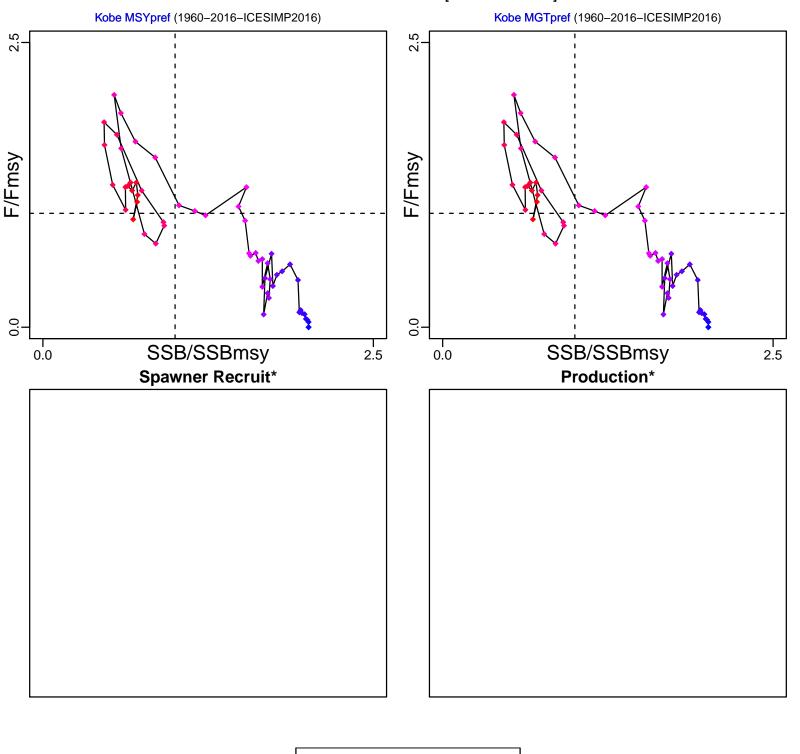
- - MSY-based BRP - - · Lim BRP



Metadata		
Scientific Name	Reinhardtius hippoglossoides	
Current Assess ID	NWWG-GHALV-VI-XII-XIV-1960-2016-ICESIMP2016	
Area V-VI-XII-XIV		
Management Authority	International Council for the Exploration of the Sea	
Assessor	North-Western Working Group	
Asmts in RAM	2012, 2013, 2014, 2015, 2016	

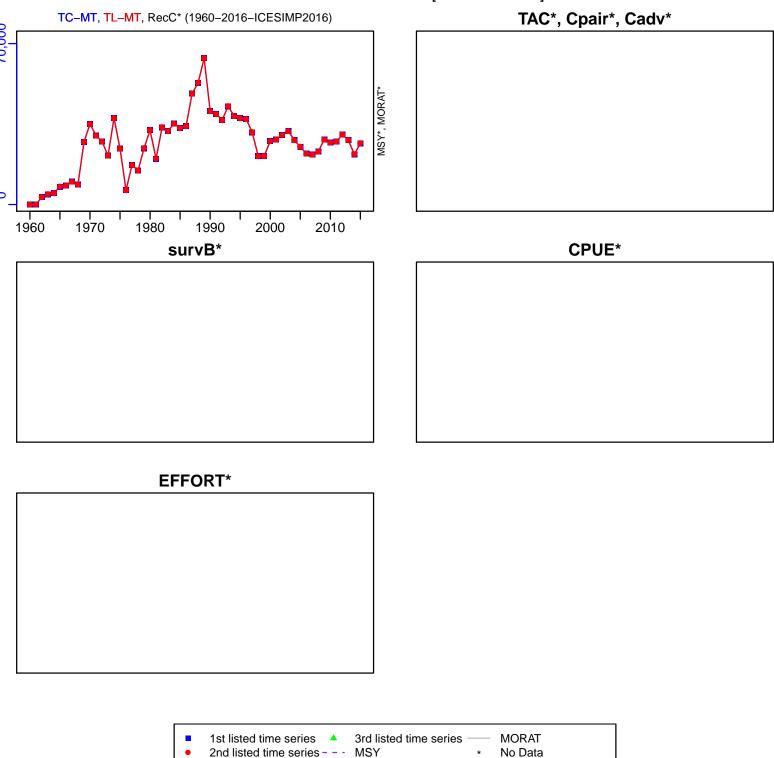
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	25,700		
TL	TL-MT	2016	25,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2016	0.73		
F/Fmsy	FdivFmsy-dimensionless	2016	1.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year • End Year \* No Data

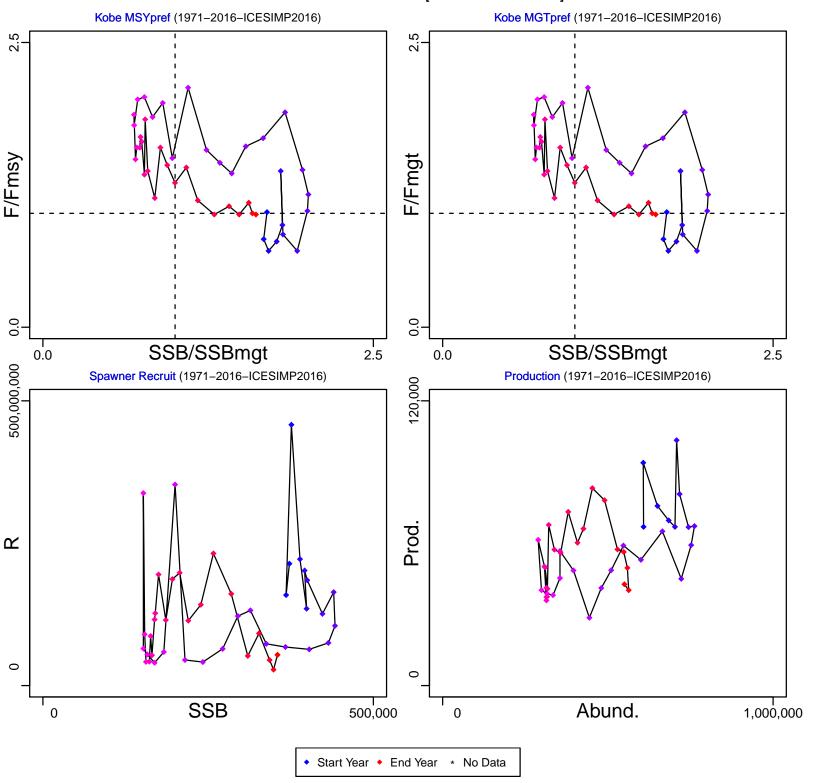
TB*	SSB*
TN *	F*
ED*	Deemite*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data

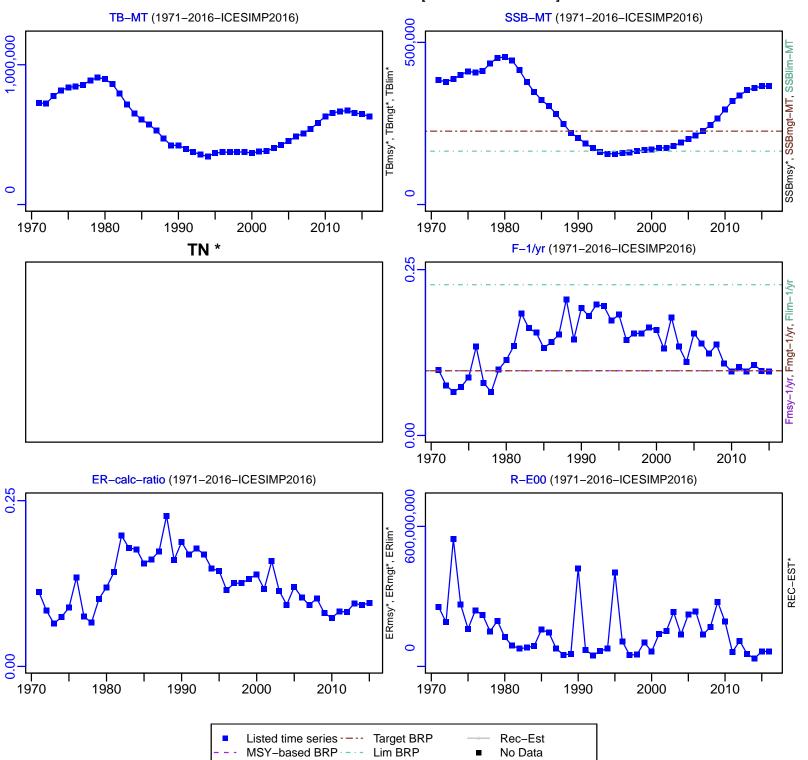


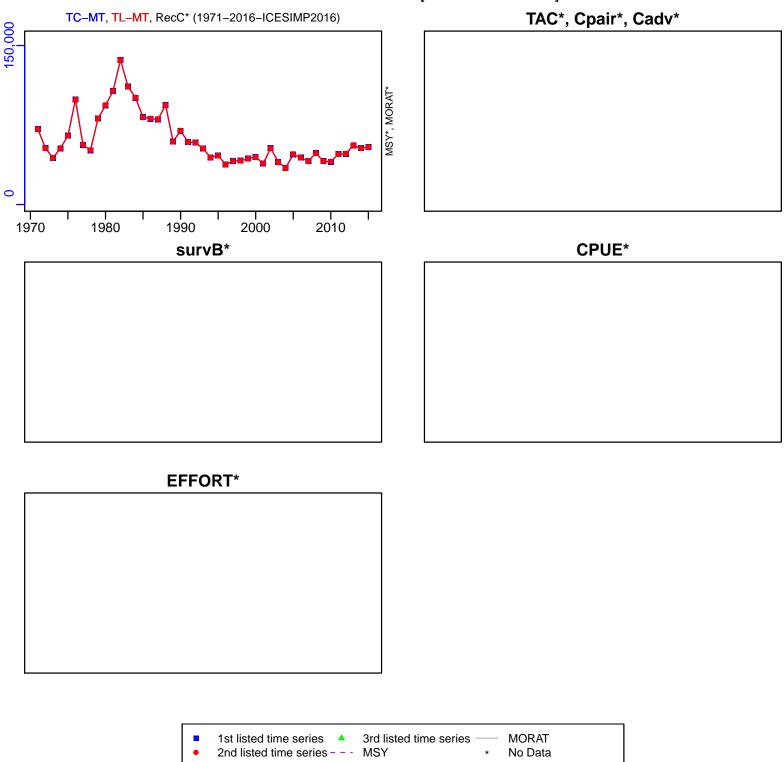
Metadata		
Scientific Name	Sebastes norvegicus	
Current Assess ID	NWWG-GOLDREDV-VI-XII-XIV-1971-2016-ICESIMP2016	
Area	V-VI-XII-XIV	
Management Authority	International Council for the Exploration of the Sea	
Assessor	North-Western Working Group	
Asmts in RAM	2014, 2015, 2016	

Reference Points			
Туре	Asmt Year	Value	
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.1
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	220,000
Fmgt	Fmgt-1/yr	2016	0.1
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	160,000
Flim	Flim-1/yr	2016	0.23
ERlim	-	-	-

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2016	528,000	-	-	
SSB	SSB-MT	2016	355,000	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	$5.4 \times 10^{7}$	-	0	
F	F-1/yr	2016	0.1	-	-	
ER	ER-calc-ratio	2016	0.1	-	-	
TC	TC-MT	2016	51,600			
TL	TL-MT	2016	51,600			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.99			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.61			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.99			
ER/ERmgt	-	-	-			







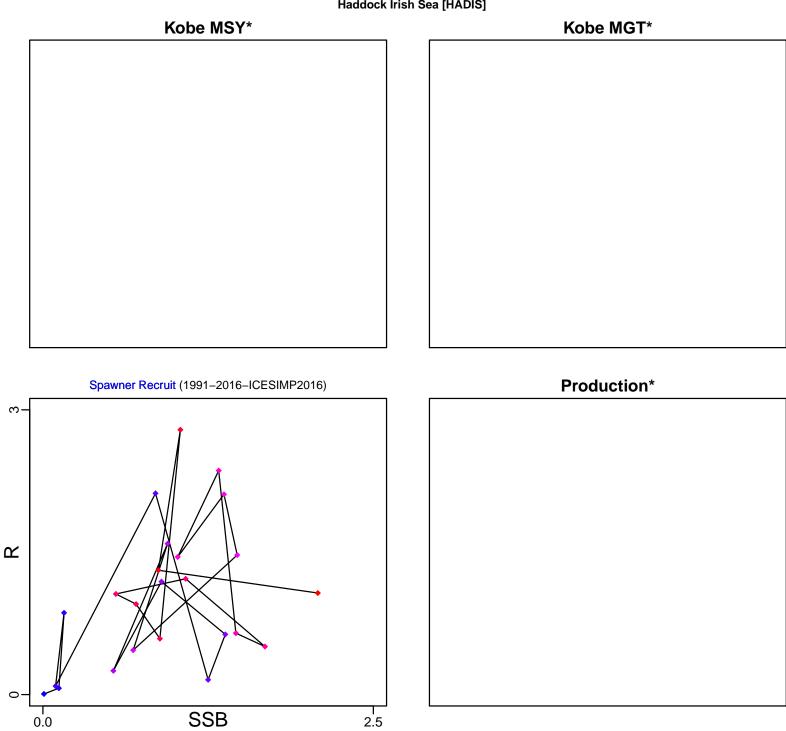
# Haddock Irish Sea [HADIS]

Metadata				
Scientific Name Melanogrammus aeglefinus				
Current Assess ID	WGCSE-HADIS-1991-2016-ICESIMP2016			
Area Irish Sea				
Management Authority	International Council for the Exploration of the Sea			
Assessor	Working Group on Celtic Seas Ecosystems			
Asmts in RAM	2014, 2015, 2016, 2012			

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

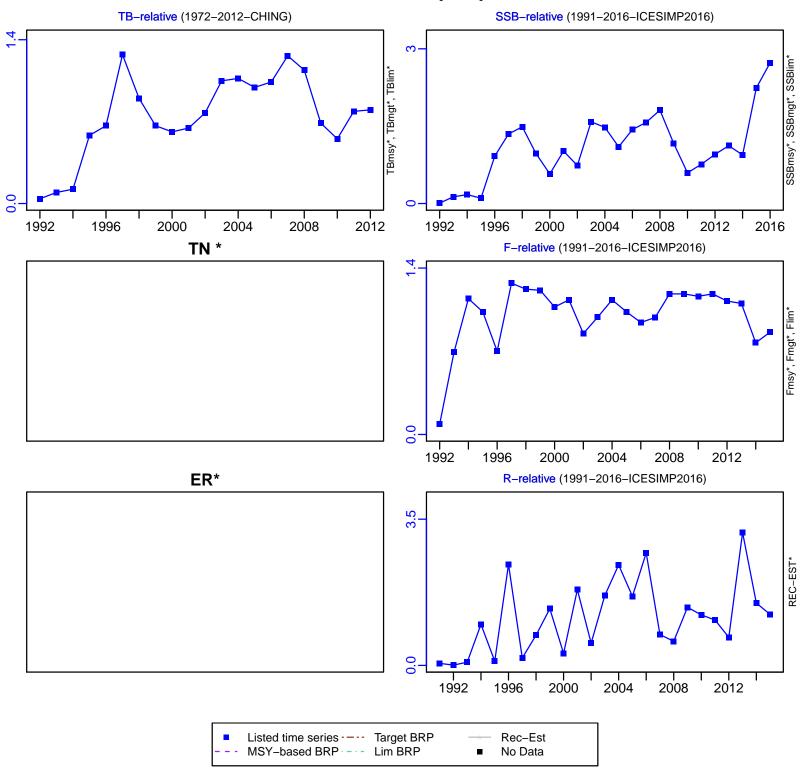
Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-relative	2012	1	-	-	
SSB	SSB-relative	2016	3	-	-	
TN	-	-	-	-	-	
R	R-relative	2016	1	-	1	
F	F-relative	2016	0.86	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2015	1010			
TL	TL-MT	2016	832			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

## Haddock Irish Sea [HADIS]

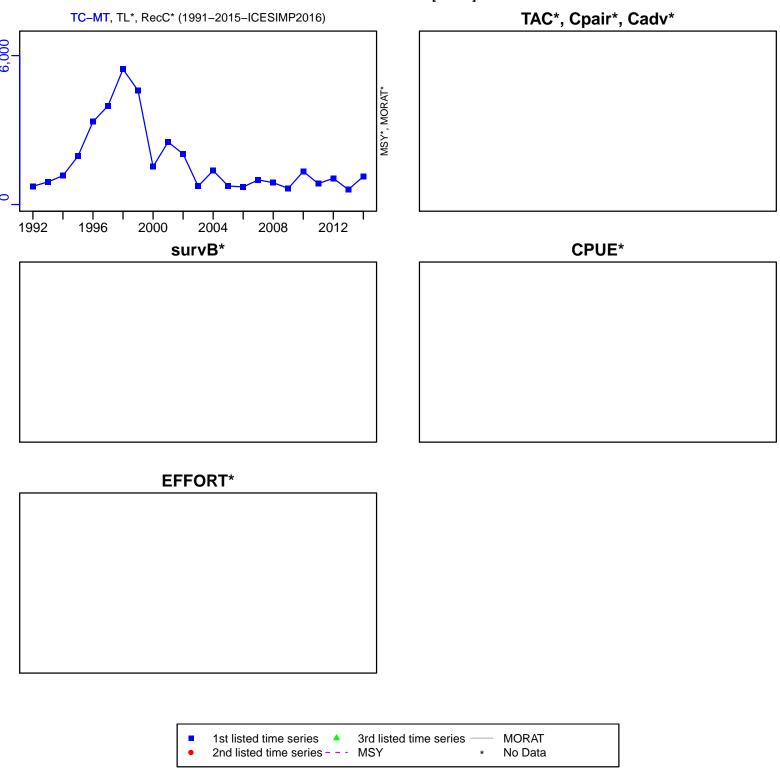


Start Year → End Year → No Data

#### Haddock Irish Sea [HADIS]



## Haddock Irish Sea [HADIS]



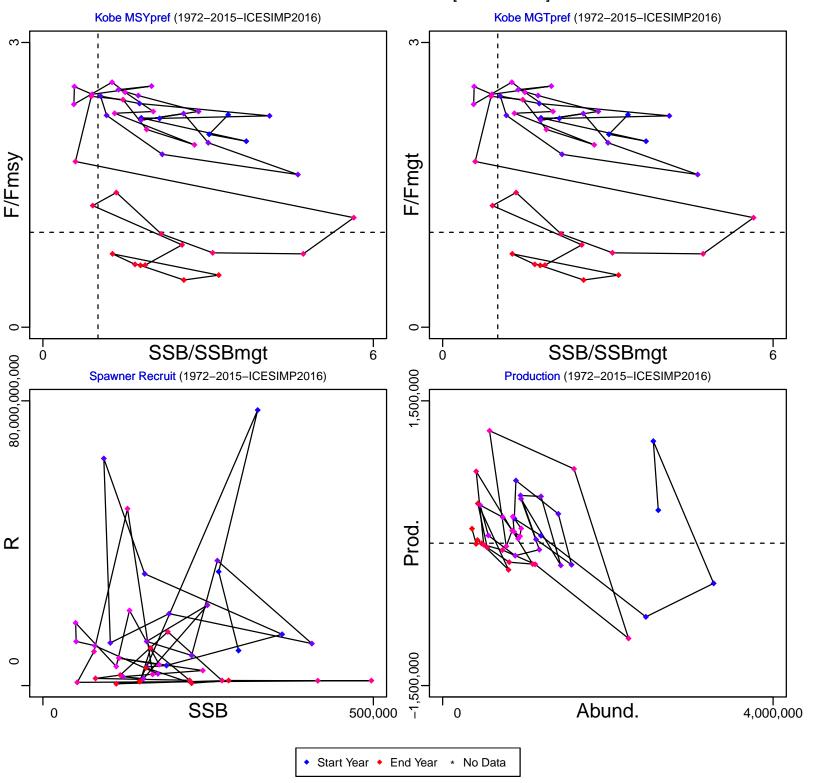
## Haddock North Sea and Illa-VIa [HADNS-Illa-VIa]

Metadata			
Scientific Name	Melanogrammus aeglefinus		
Current Assess ID	WGNSSK-HADNS-IIIa-VIa-1972-2015-ICESIMP2016		
Area	North Sea and Illa-Vla		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea		
and Skagerrak			
Asmts in RAM	2014, 2015		

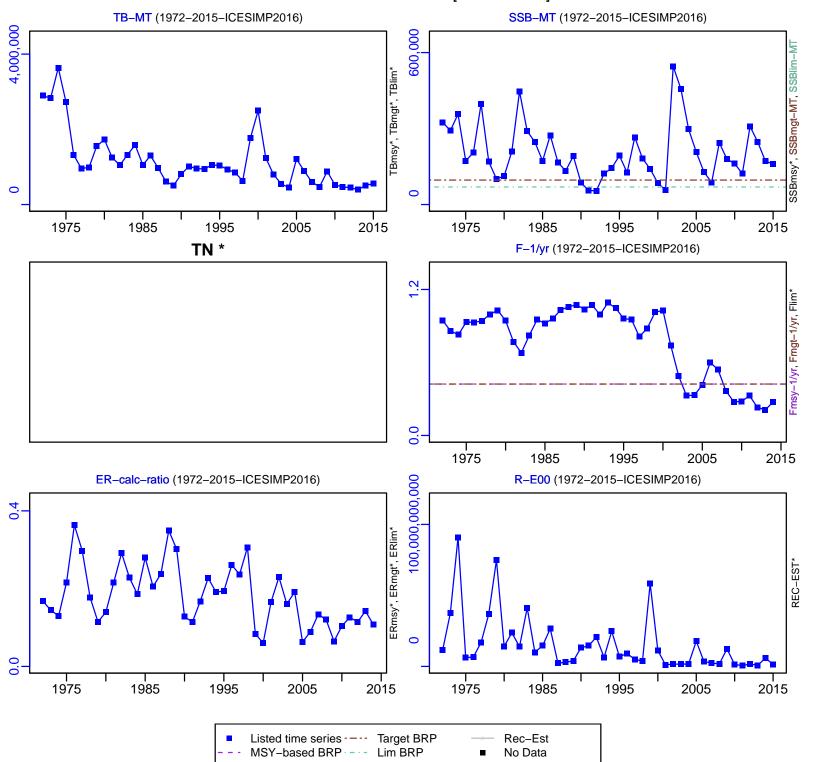
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2015	0.37	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2015	88,000	
Fmgt	Fmgt-1/yr	2015	0.37	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2015	63,000	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	501,000	-	-
SSB	SSB-MT	2015	146,000	-	-
TN	-	-	-	-	-
R	R-E00	2015	$1.21 \times 10^{9}$	-	0
F	F-1/yr	2015	0.24	-	-
ER	ER-calc-ratio	2015	0.1	-	-
TC	TC-MT	2015	46,300		
TL	TL-MT	2015	39,800		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.65		
ER/ERmsy	•	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.66		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.65		
ER/ERmgt	-	-	-		

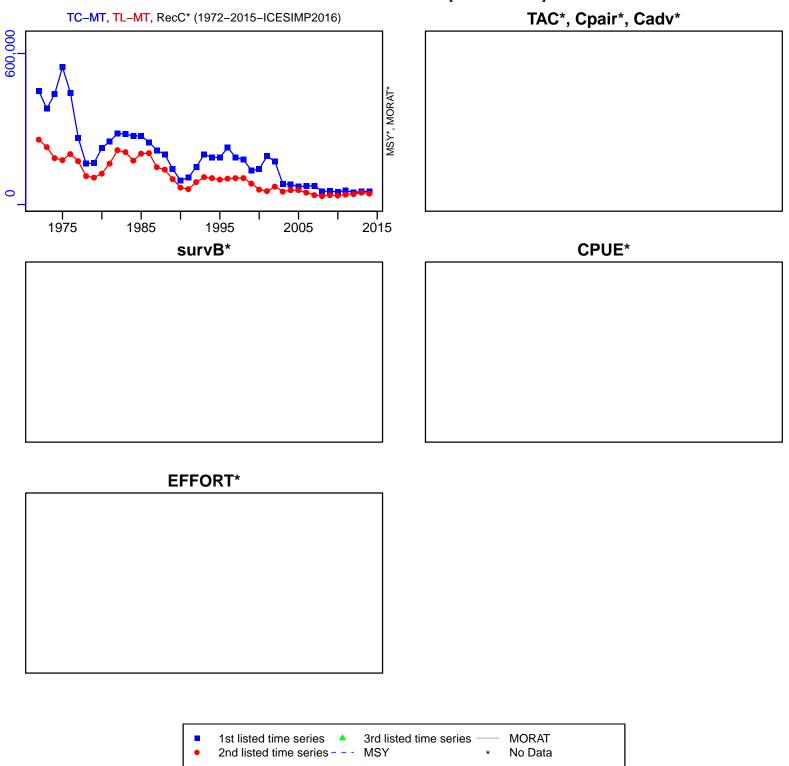
## Haddock North Sea and Illa-Vla [HADNS-Illa-Vla]



#### Haddock North Sea and Illa-Vla [HADNS-Illa-Vla]



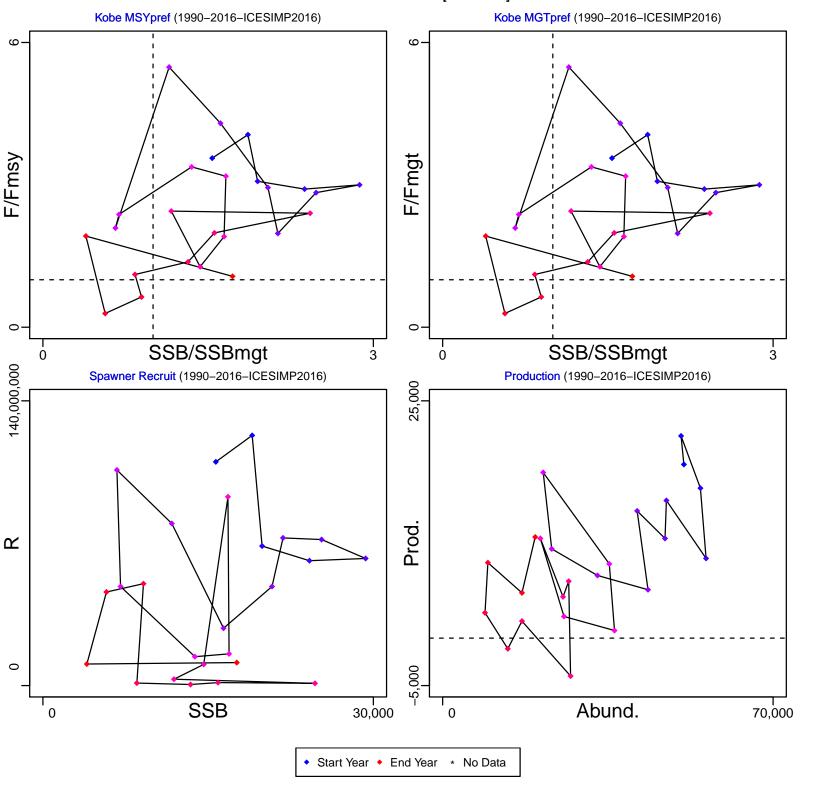
## Haddock North Sea and Illa-Vla [HADNS-Illa-Vla]

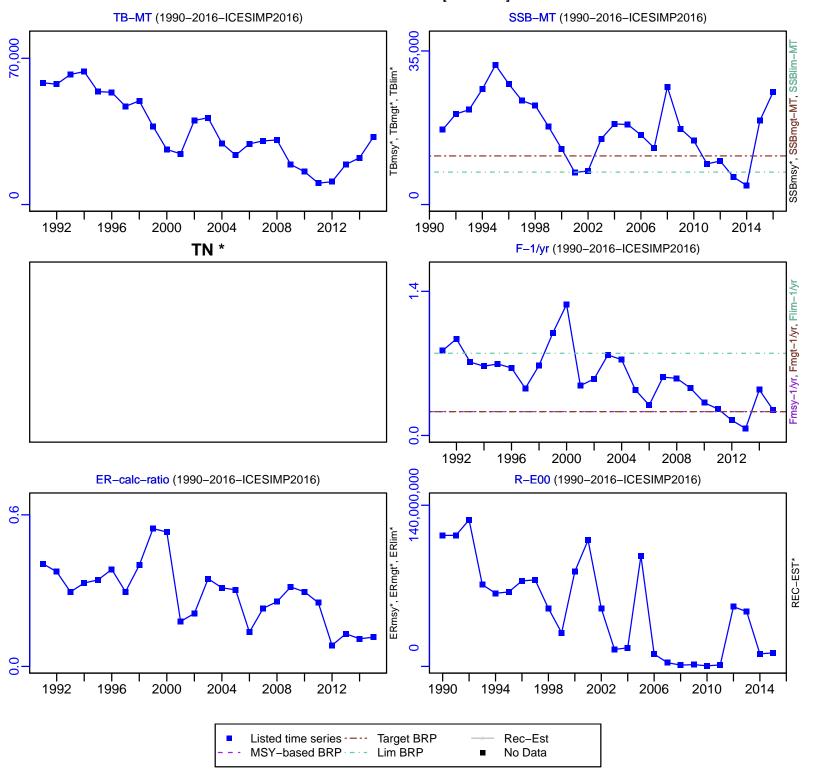


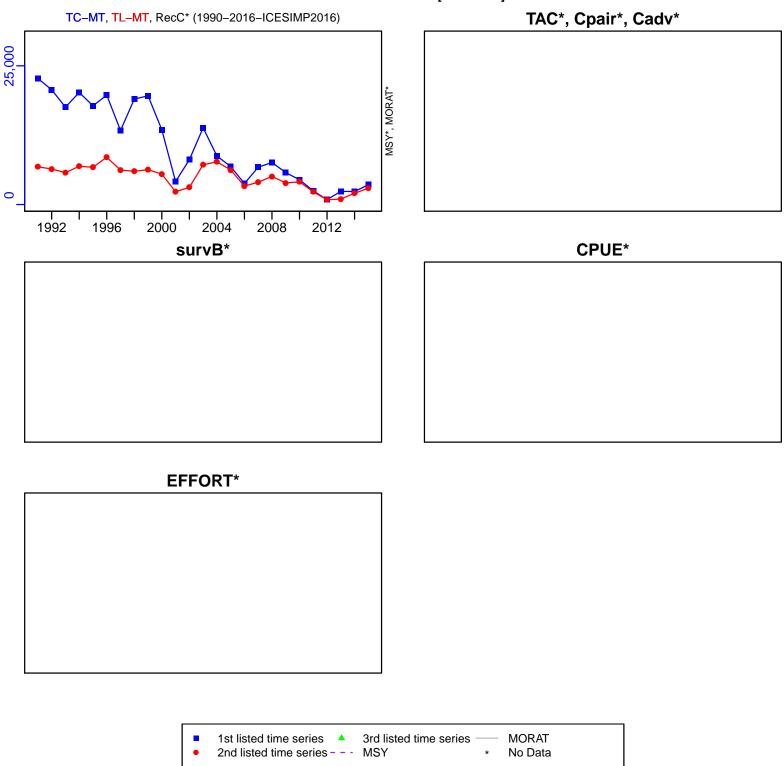
Metadata			
Scientific Name Melanogrammus aeglefinus			
Current Assess ID WGCSE-HADROCK-1990-2016-ICESIMP2016			
Area Rockall Bank			
Management Authority	International Council for the Exploration of the Sea		
Assessor Working Group on Celtic Seas Ecosystems			
Asmts in RAM	2013, 2014, 2015, 2016, 2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.2	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	10,200	
Fmgt	Fmgt-1/yr	2016	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	9000	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	6800	
Flim	Flim-1/yr	2016	0.69	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	28,300	-	-
SSB	SSB-MT	2016	23,600	-	-
TN	-	-	-	-	-
R	R-E00	2016	11,300,000	-	1
F	F-1/yr	2016	0.21	-	2 to 5
ER	ER-calc-ratio	2016	0.11	-	-
TC	TC-MT	2016	2970		
TL	TL-MT	2016	2450	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.07		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.31		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.07		
ER/ERmgt	-	-	-		



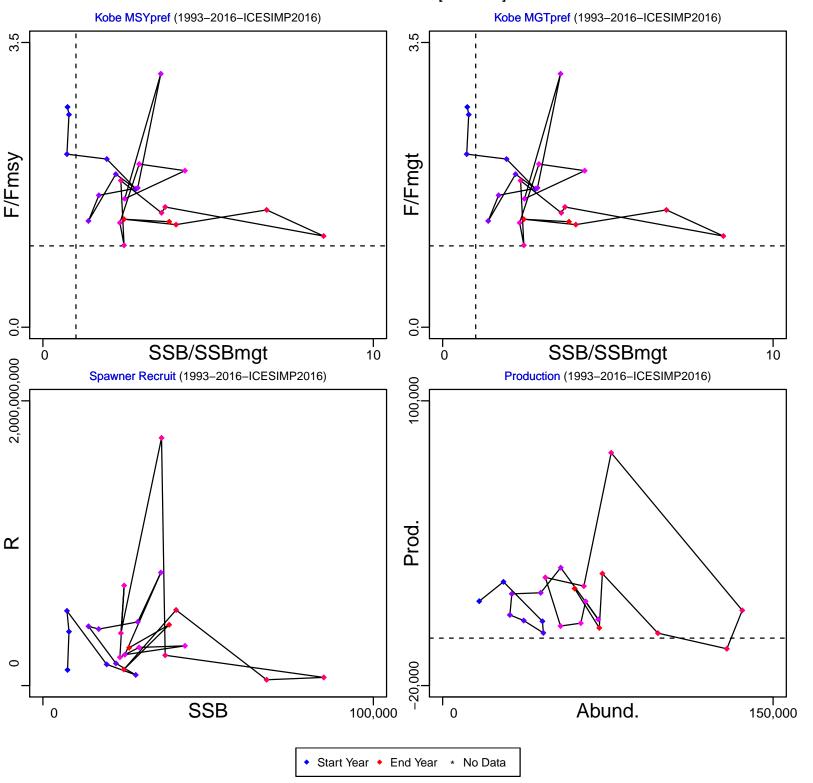


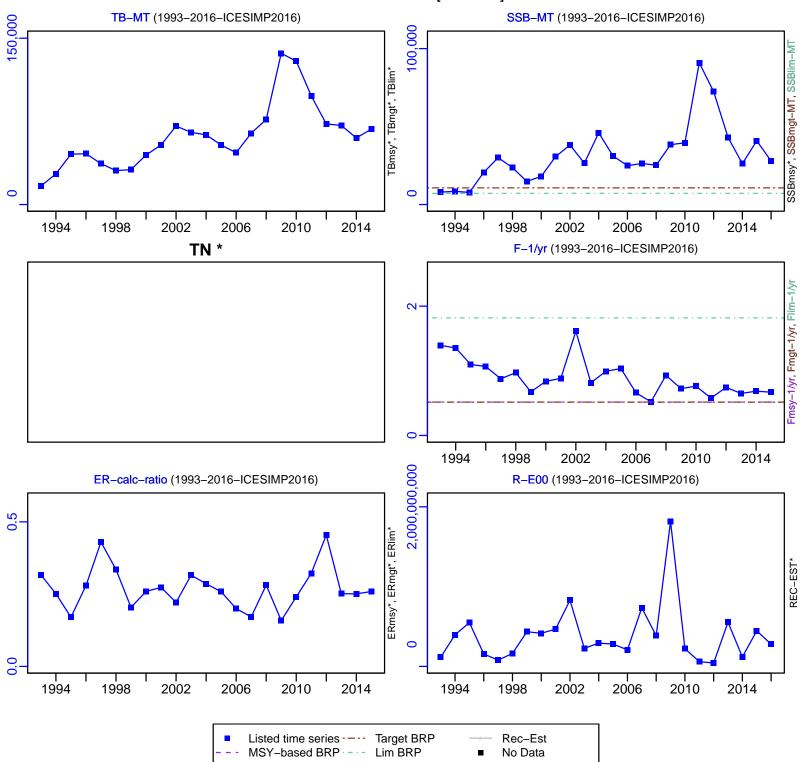


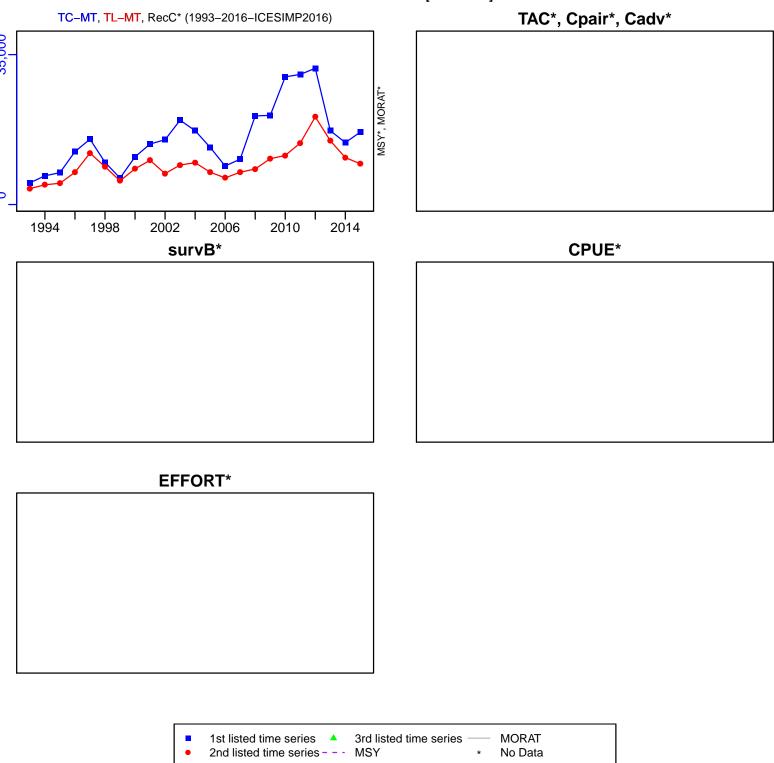
Metadata			
Scientific Name	Melanogrammus aeglefinus		
Current Assess ID WGCSE-HADVIIb-k-1993-2016-ICESIMP2016			
Area ICES VIIb-k			
Management Authority	International Council for the Exploration of the Sea		
Assessor Working Group on Celtic Seas Ecosystems			
Asmts in RAM	2013, 2014, 2015, 2016, 2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.4	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	10,000	
Fmgt	Fmgt-1/yr	2016	0.4	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	6700	
Flim	Flim-1/yr	2016	1.41	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	67,800	-	-
SSB	SSB-MT	2016	26,100	-	-
TN	-	-	-	-	-
R	R-E00	2016	$2.66 \times 10^{8}$	-	0
F	F-1/yr	2016	0.52	-	3 to 5
ER	ER-calc-ratio	2016	0.22	-	-
TC	TC-MT	2016	15,200		
TL	TL-MT	2016	8550	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.3		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.61		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.3		
ER/ERmgt	-	-	-		



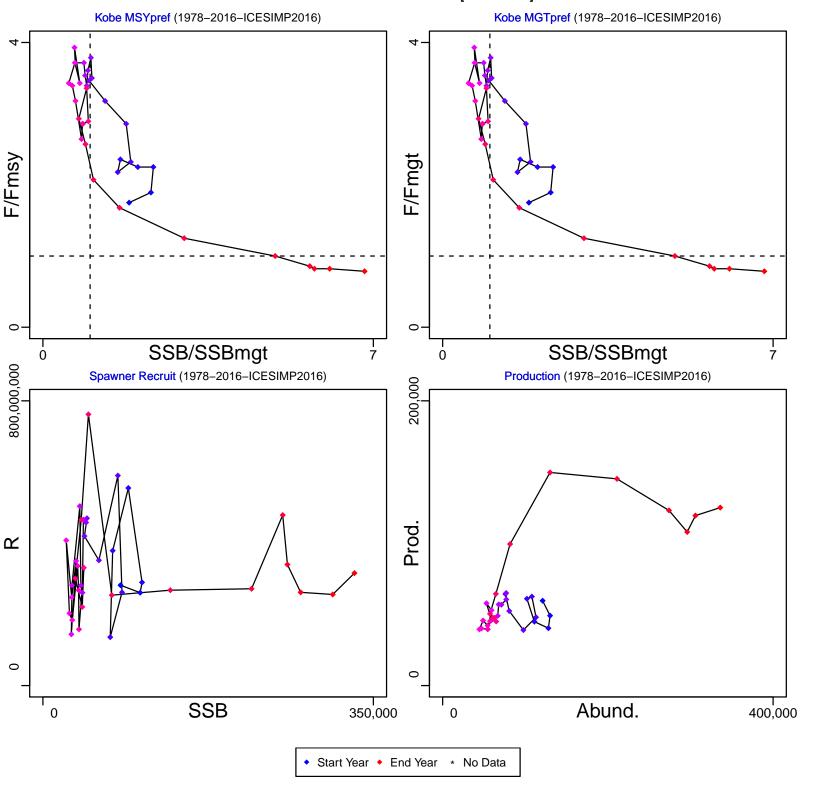


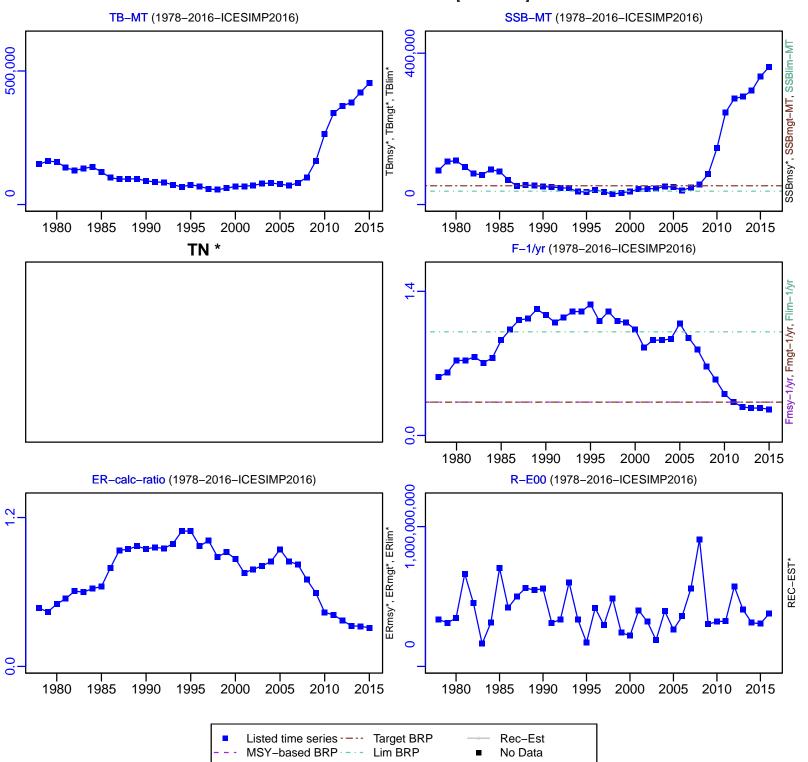


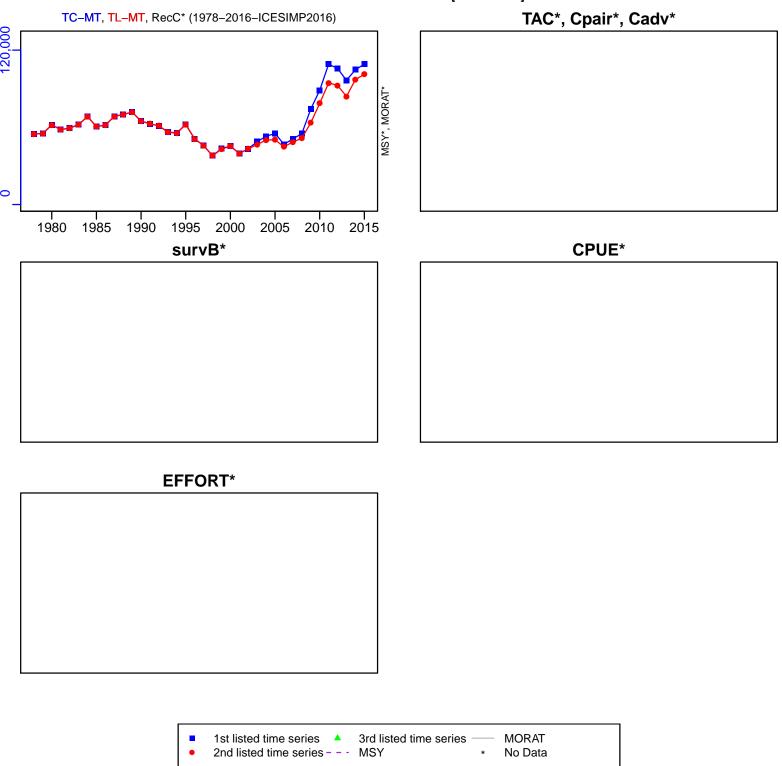
Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID WGBIE-HAKENRTN-1978-2016-ICESIMP2016			
Area IIIa-IV-VI-VIIIabd			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion		
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.28	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	45,000	
Fmgt	Fmgt-1/yr	2016	0.28	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	32,000	
Flim	Flim-1/yr	2016	0.87	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	364,000	-	-
SSB	SSB-MT	2016	330,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$3.16 \times 10^{8}$	-	0
F	F-1/yr	2016	0.22	-	-
ER	ER-calc-ratio	2016	0.28	-	-
TC	TC-MT	2016	101,000		
TL	TL-MT	2016	93,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.79		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	7.33		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.79		
ER/ERmgt	-	-	-		



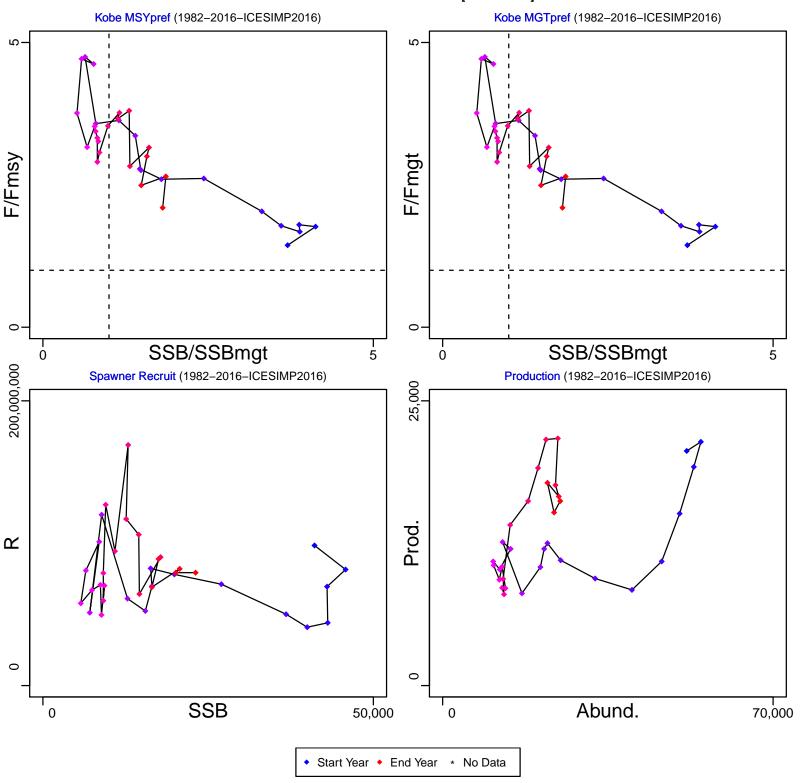


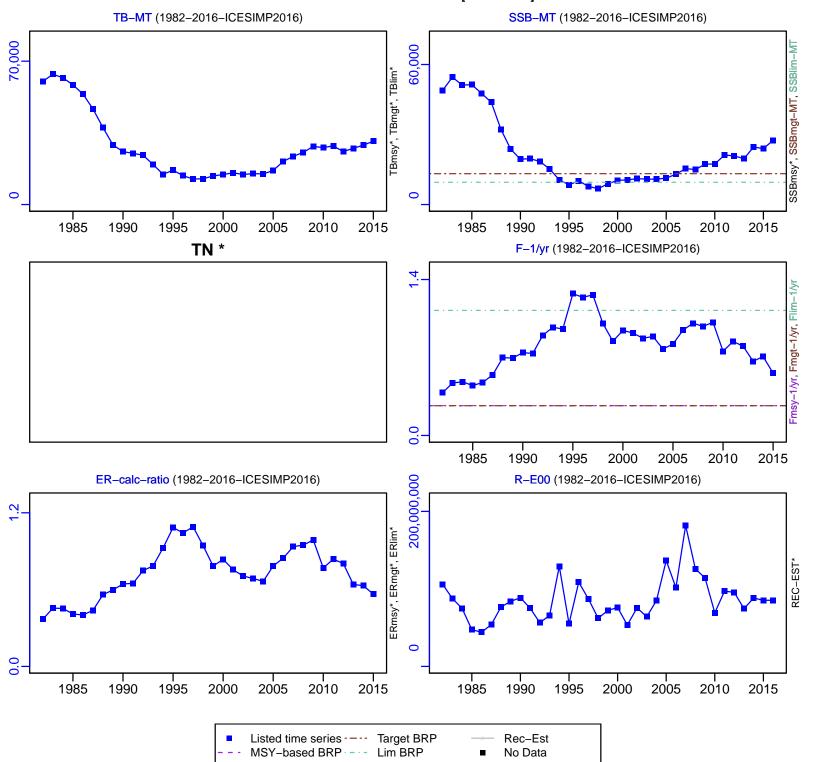


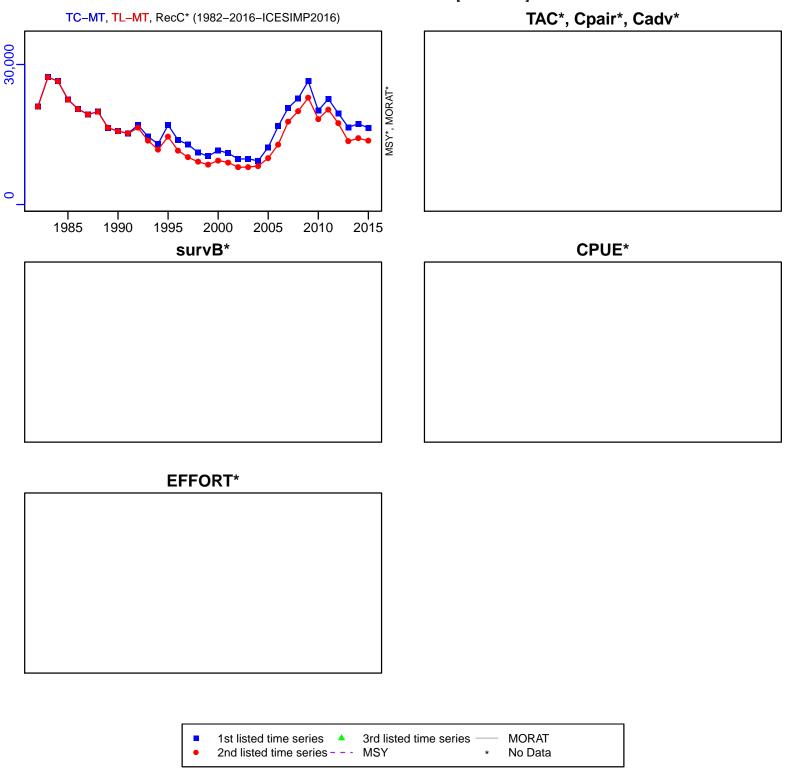
Metadata			
Scientific Name	Merluccius merluccius		
Current Assess ID WGBIE-HAKESOTH-1982-2016-ICESIMP2016			
Area VIIIc-IXa			
Management Authority International Council for the Exploration of the Sea			
Assessor Working Group for the Bay of Biscay and the Iberian Waters Ecoregic			
Asmts in RAM	2014, 2015, 2016, 2011, 2013		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.25	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	11,100	
Fmgt	Fmgt-1/yr	2016	0.25	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	8000	
Flim	Flim-1/yr	2016	1.05	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	26,600	-	-
SSB	SSB-MT	2016	23,100	-	-
TN	-	-	-	-	-
R	R-E00	2016	79,300,000	-	0
F	F-1/yr	2016	0.52	-	1 to 3
ER	ER-calc-ratio	2016	0.52	-	-
TC	TC-MT	2016	13,800		
TL	TL-MT	2016	11,500	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	2.1		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.08		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	2.1		
ER/ERmgt	-	-	-		





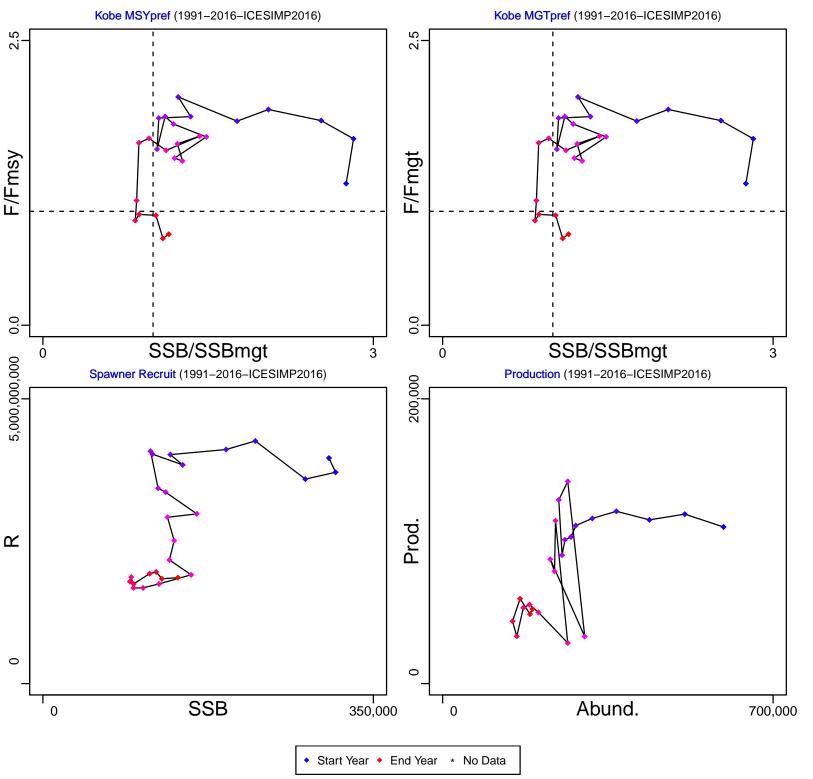


## Herring ICES 22-24-IIIa [HERR2224IIIa]

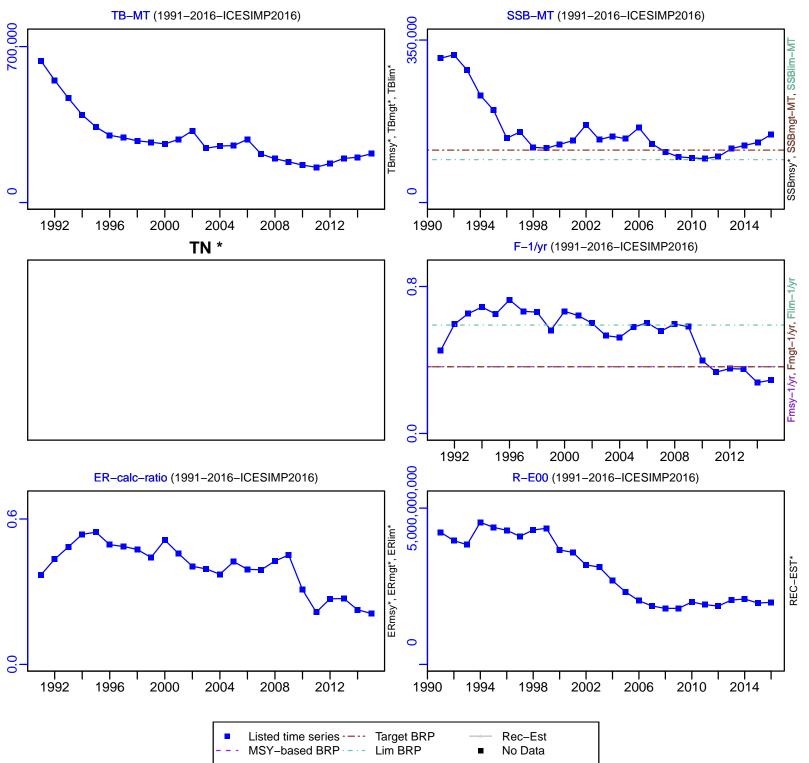
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERR2224IIIa-1991-2016-ICESIMP2016			
Area 22-24-Illa			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 6			
Asmts in RAM	2011, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	TBmsy-MT	2011	110,000	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.32	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	110,000	
Fmgt	Fmgt-1/yr	2016	0.32	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	90,000	
Flim	Flim-1/yr	2016	0.52	
ERlim	-	-	-	

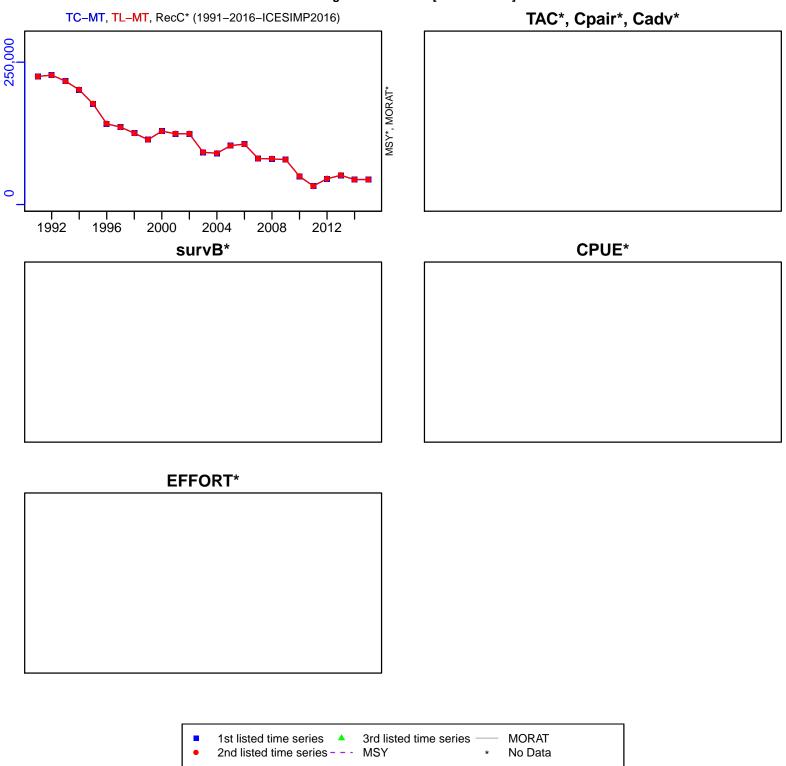
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	205,000	-	-
SSB	SSB-MT	2016	143,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.86 \times 10^{9}$	-	0
F	F-1/yr	2016	0.26	-	3 to 6
ER	ER-calc-ratio	2016	0.18	-	-
TC	TC-MT	2016	37,500		
TL	TL-MT	2016	37,500	1	
TB/TBmsy	TB-MT/TBmsy-MT	2011	1.49	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.8		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.3		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.8		
ER/ERmgt	-	-	-		



### Herring ICES 22-24-IIIa [HERR2224IIIa]



## Herring ICES 22-24-IIIa [HERR2224IIIa]

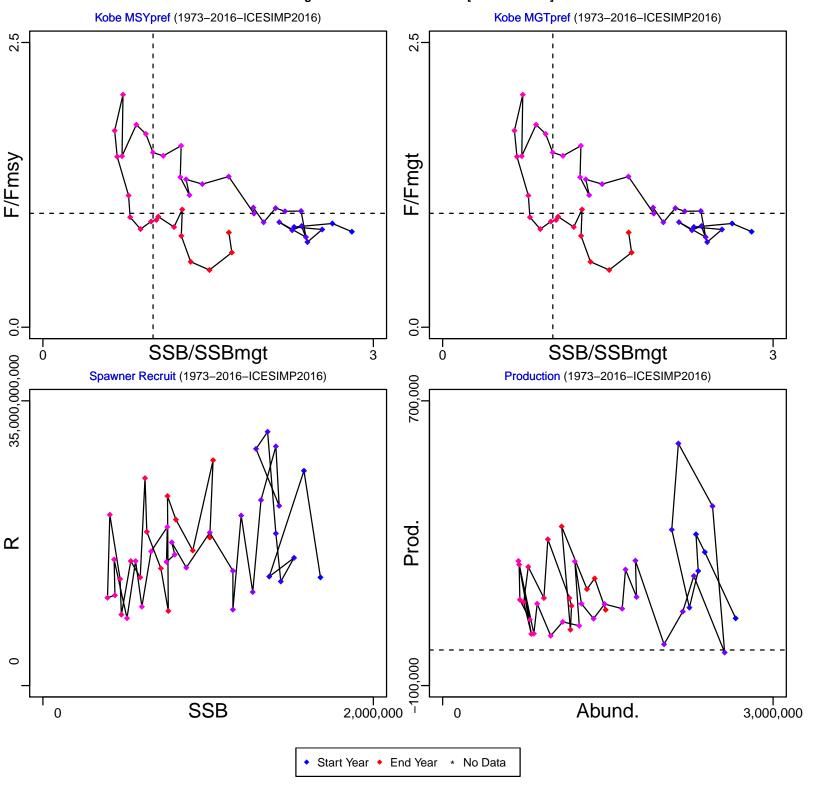


# Herring Subdivisions 25-29 and 32 [HERR2529-32]

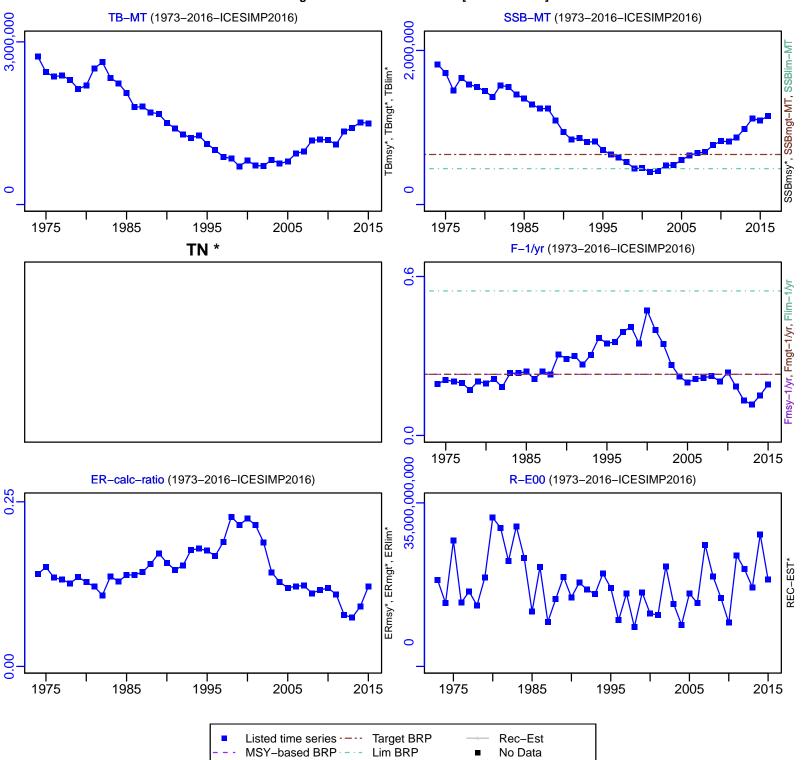
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID	WGBFAS-HERR2529-32-1973-2016-ICESIMP2016		
Area Subdivisions 25-29 and 32			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2013, 2014, 2015, 2016		

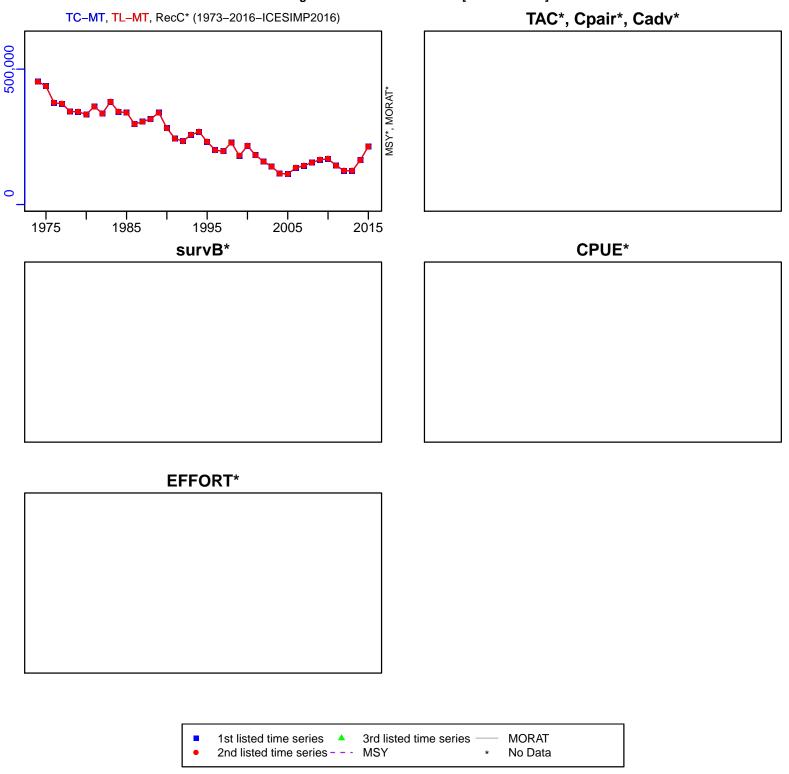
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.22	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	$6 \times 10^5$	
Fmgt	Fmgt-1/yr	2016	0.22	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	430,000	
Flim	Flim-1/yr	2016	0.52	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	1,460,000	-	-
SSB	SSB-MT	2016	1,060,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.82 \times 10^{10}$	-	1
F	F-1/yr	2016	0.18	-	3 to 6
ER	ER-calc-ratio	2016	0.12	-	-
TC	TC-MT	2016	174,000		
TL	TL-MT	2016	174,000	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.83		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.76		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.83		
ER/ERmgt	-	-	-		



#### Herring Subdivisions 25-29 and 32 [HERR2529-32]



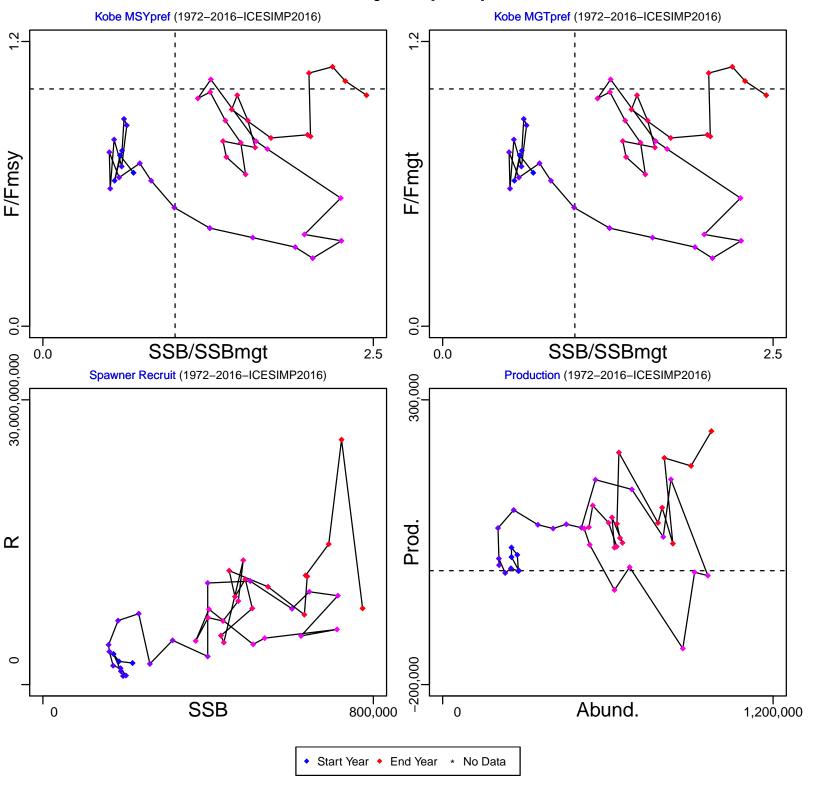


# Herring ICES 30 [HERR30]

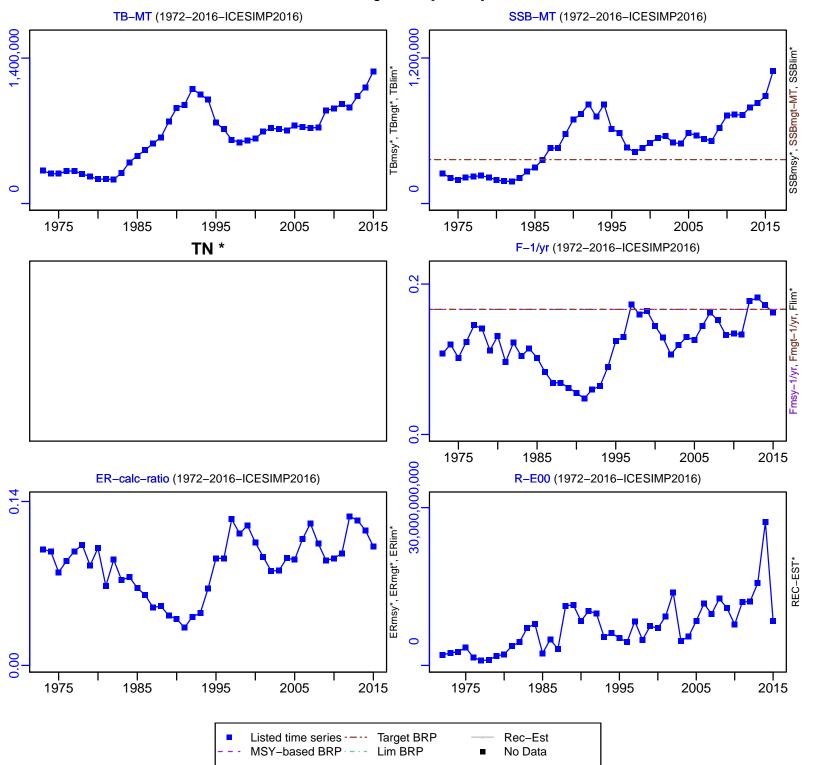
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID WGBFAS-HERR30-1972-2016-ICESIMP2016			
Area Bothnian Sea			
Management Authority International Council for the Exploration of the			
Assessor Baltic Fisheries Assessment Working Group			
Asmts in RAM	2011, 2013, 2014, 2015, 2016		

	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	TBmsy-MT	2011	$2 \times 10^5$		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.15		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	316,000		
Fmgt	Fmgt-1/yr	2016	0.15		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2011	0.2		
TBlim	TBlim-MT	2011	290,000		
SSBlim	-	-	-		
Flim	Flim-1/yr	2011	0.3		
ERlim	-	-	-		

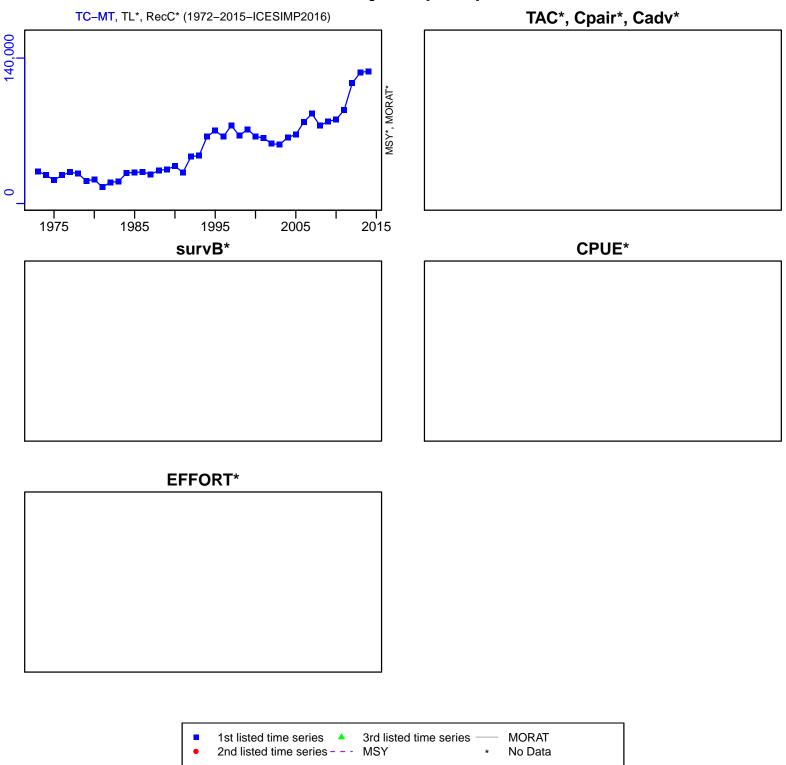
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	1,110,000	-	-
SSB	SSB-MT	2016	952,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$8.03 \times 10^{9}$	-	1
F	F-1/yr	2016	0.15	-	3 to 7
ER	ER-calc-ratio	2016	0.1	-	-
TC	TC-MT	2015	111,000		
TL	TL-MT	2016	110,000	]	
TB/TBmsy	TB-MT/TBmsy-MT	2011	3.78		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.97		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.01		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.97		
ER/ERmgt	-	-	-		



#### Herring ICES 30 [HERR30]



## Herring ICES 30 [HERR30]

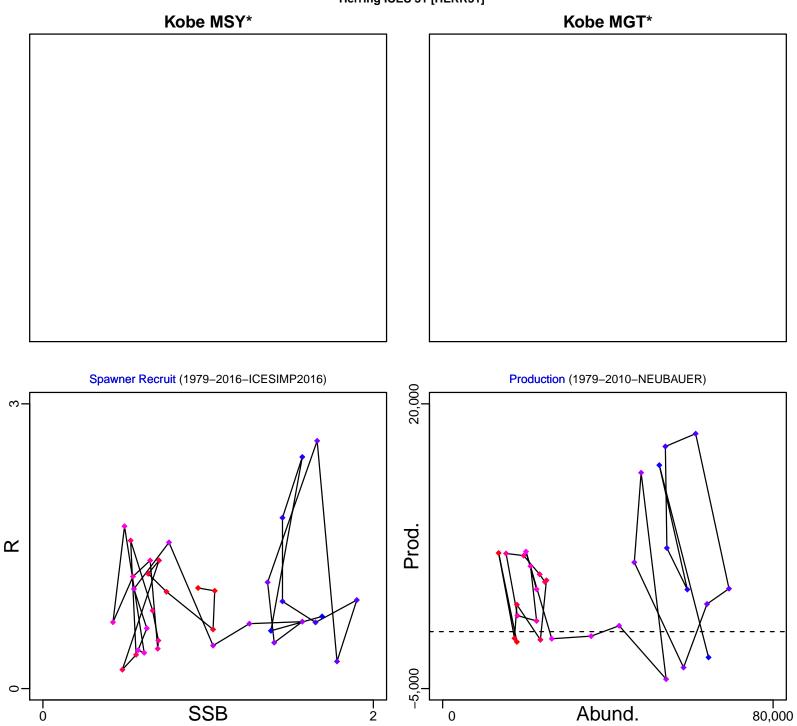


# Herring ICES 31 [HERR31]

Metadata				
Scientific Name	Clupea harengus			
Current Assess ID	WGBFAS-HERR31-1979-2016-ICESIMP2016			
Area	Bothnian Bay			
Management Authority	International Council for the Exploration of the Sea			
Assessor	Baltic Fisheries Assessment Working Group			
Asmts in RAM	2010, 2014, 2015, 2016			

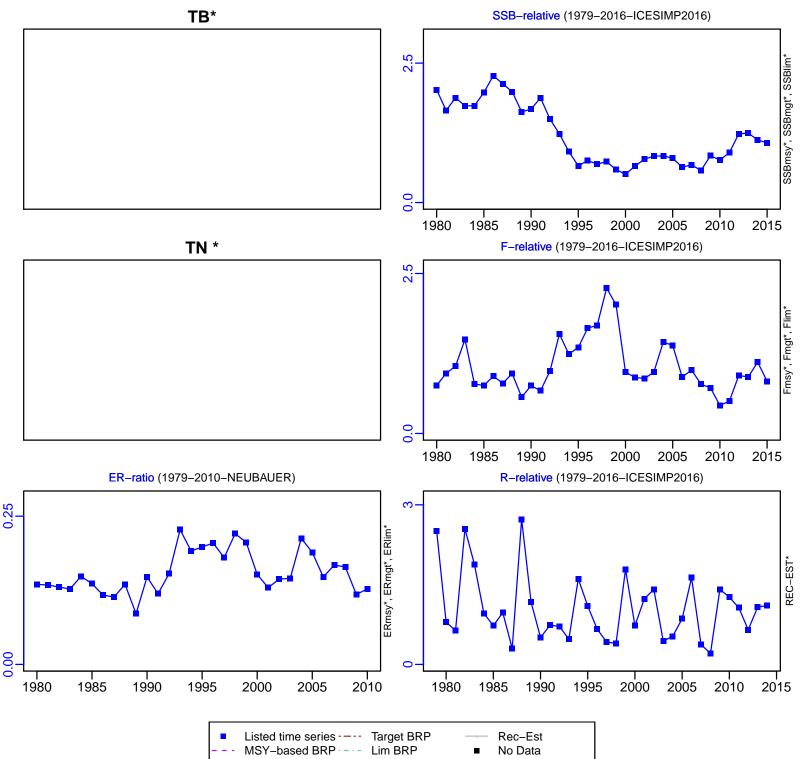
Reference Points							
Туре	ID Asmt Yea		Value				
TBmsy	-	-	-				
SSBmsy	-	-	-				
Fmsy	-	-	-				
ERmsy	-	-	-				
TBmgt	-	-	-				
SSBmgt	-	-	-				
Fmgt	-	-	-				
ERmgt	-	-	-				
TB0	-	-	-				
SSB0	-	-	-				
MSY	-	-	-				
M	M-1/yr	2010	0.15				
TBlim	-	-	-				
SSBlim	-	-	-				
Flim	-	-	-				
ERlim	-	-	-				

Time Series							
Туре	ID	Asmt Year	Curr Value	Sex	Age		
ТВ	-	-	-	-	-		
SSB	SSB-relative	2016	1	-	-		
TN	-	-	-	-	-		
R	R-relative	2016	1	-	1		
F	F-relative	2016	0.78	-	3 to 7		
ER	ER-ratio	2010	0.11	-	-		
TC	TC-MT	2016	4530				
TL	TL-MT	2016	4530				
TB/TBmsy	-	-	-				
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-				
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-				
SSB/SSBmgt	-	-	-				
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-				

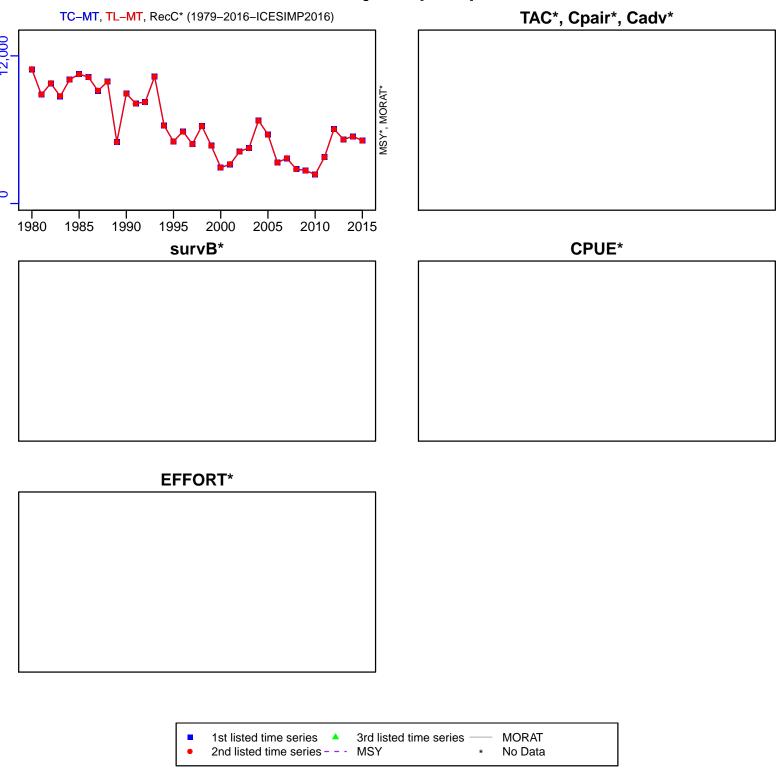


Start Year → End Year → No Data

#### Herring ICES 31 [HERR31]



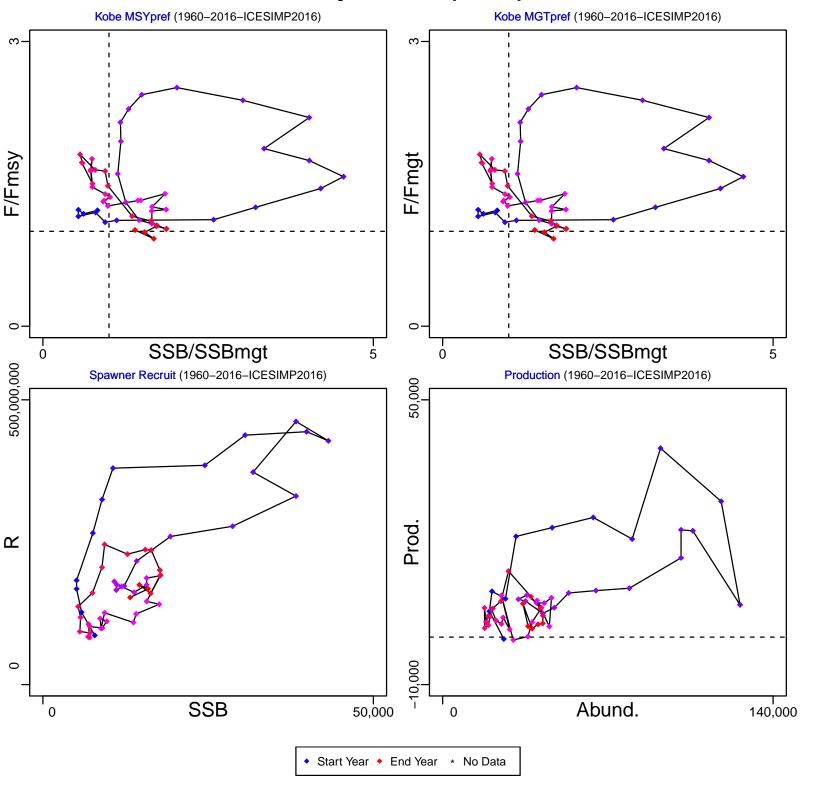
## Herring ICES 31 [HERR31]

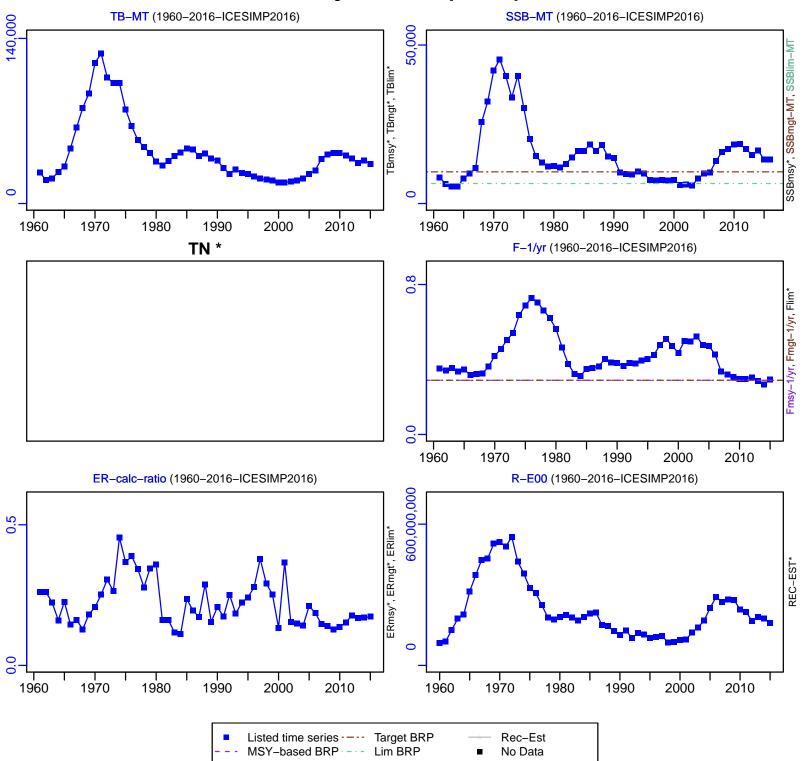


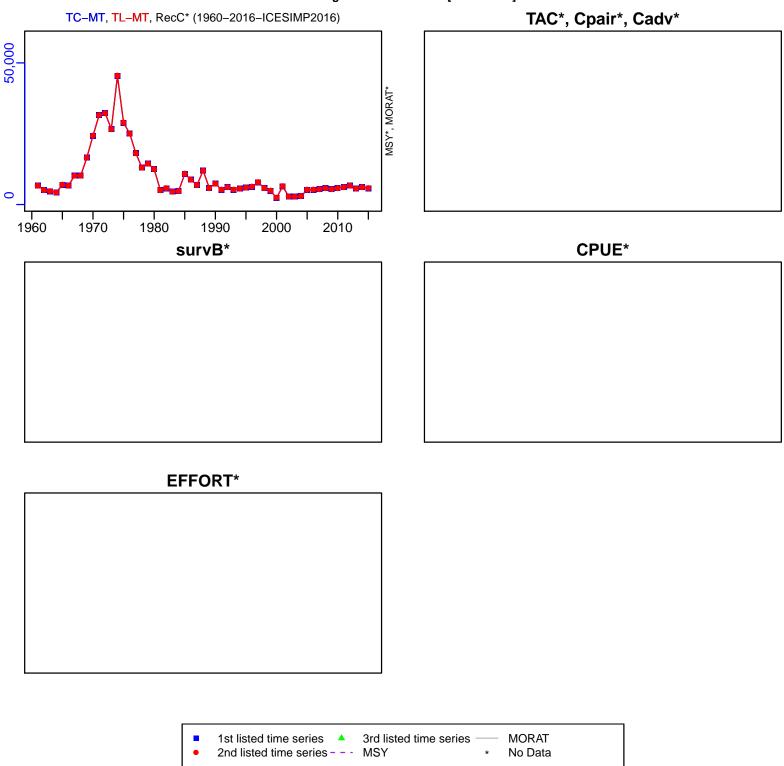
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERRNIRS-1960-2016-ICESIMP2016			
Area Irish Sea			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 621			
Asmts in RAM	2010, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.26	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	9500	
Fmgt	Fmgt-1/yr	2016	0.26	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	TBlim-MT	2010	6000	
SSBlim	SSBlim-MT	2016	6000	
Flim	-	-	-	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	33,300	-	-
SSB	SSB-MT	2016	13,200	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.53 \times 10^{8}$	-	1
F	F-1/yr	2016	0.26	-	4 to 6
ER	ER-calc-ratio	2016	0.15	-	-
TC	TC-MT	2016	4870		
TL	TL-MT	2016	4870	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.01		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.39		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.01		
ER/ERmgt	-	-	-		







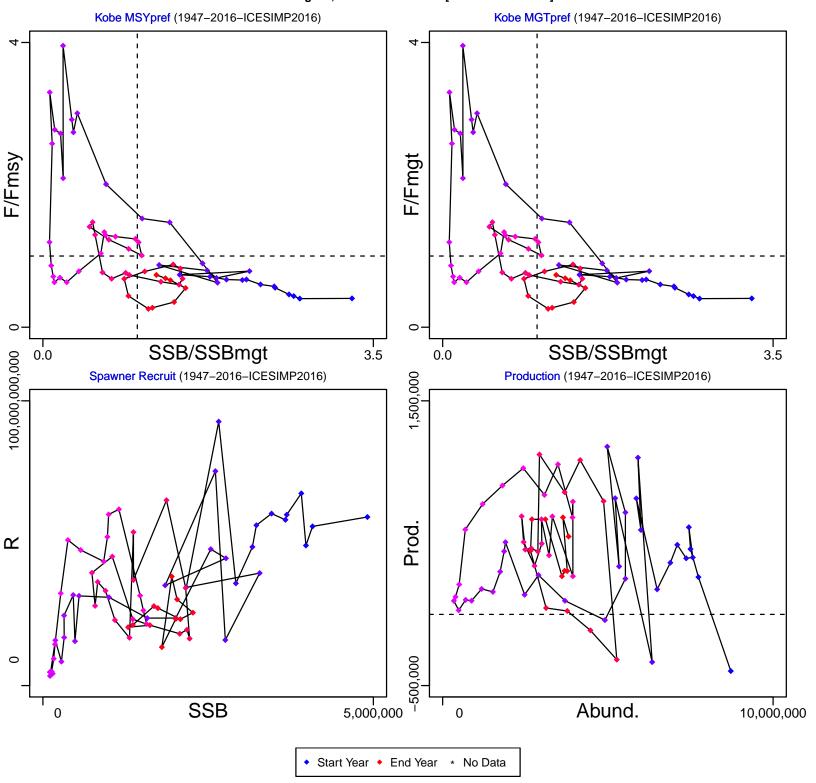
# Herring IIIa, VIId and North Sea [HERRNS-IIIa-VIId]

Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERRNS-IIIa-VIId-1947-2016-ICESIMP2016			
Area IIIa, VIId and North Sea			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 62			
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

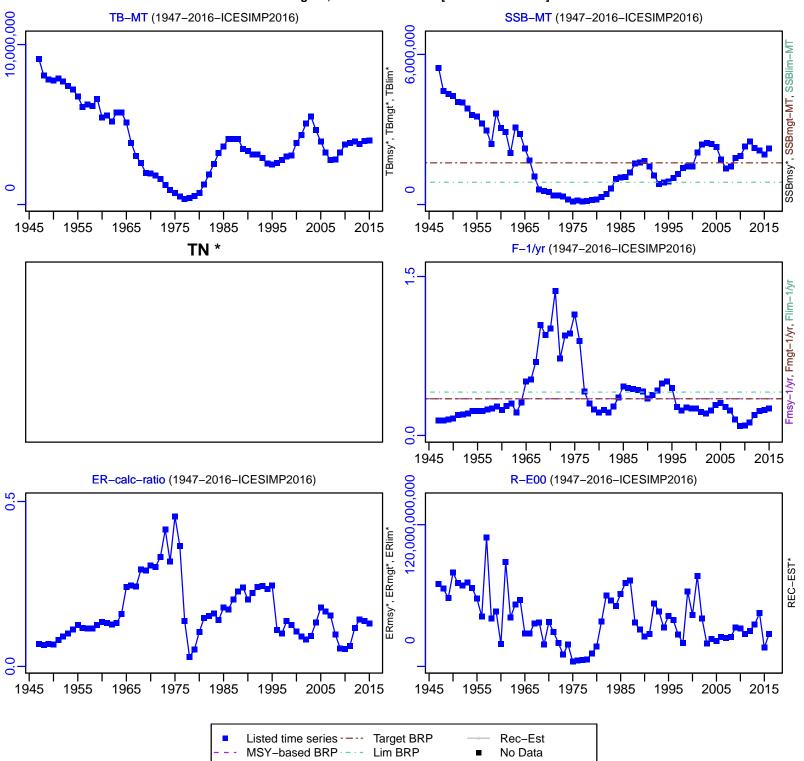
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.33		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	1,500,000		
Fmgt	Fmgt-1/yr	2016	0.33		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	TBlim-MT	2011	$8 \times 10^5$		
SSBlim	SSBlim-MT	2016	$8 \times 10^5$		
Flim	Flim-1/yr	2016	0.39		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	3,840,000	-	-
SSB	SSB-MT	2016	2,010,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$2.34 \times 10^{10}$	-	-
F	F-1/yr	2016	0.24	-	-
ER	ER-calc-ratio	2016	0.13	-	-
TC	TC-MT	2016	494,000		
TL	TL-MT	2015	517,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.73		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.34		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.73		
ER/ERmgt	-	-	-		

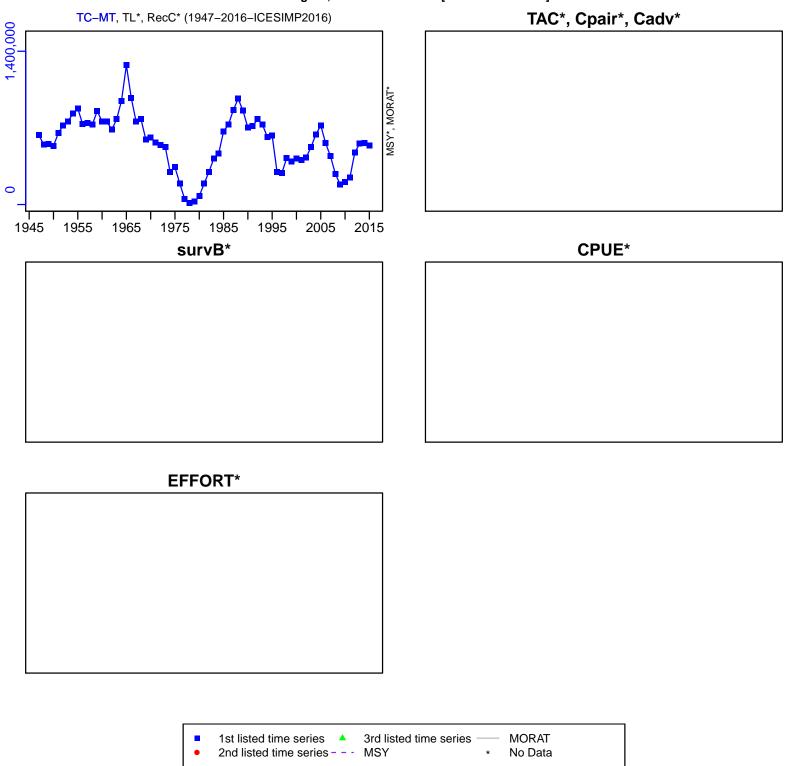
### Herring Illa, VIId and North Sea [HERRNS-Illa-VIId]



#### Herring Illa, VIId and North Sea [HERRNS-Illa-VIId]



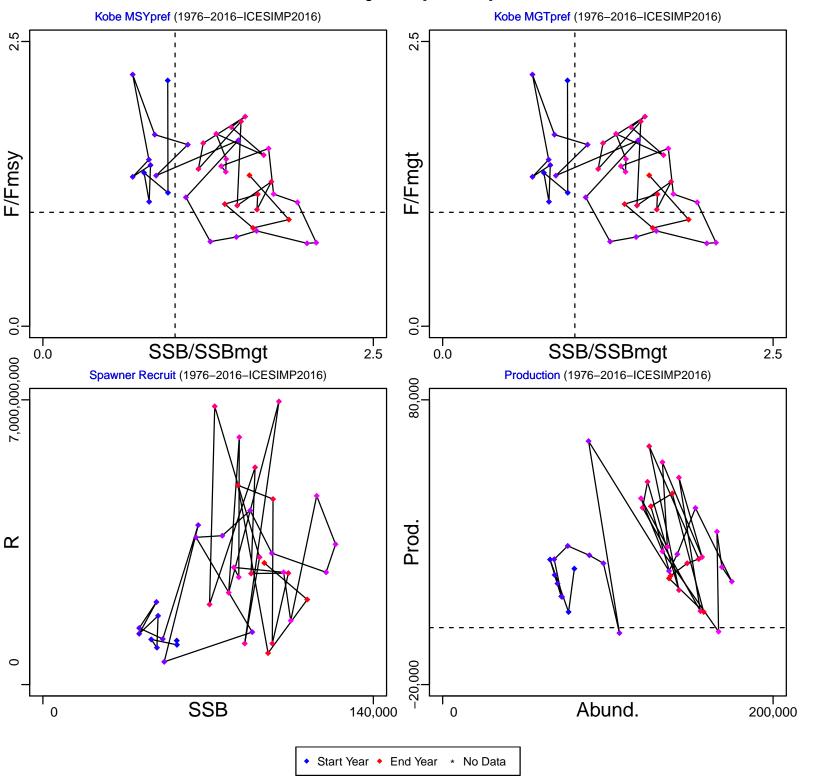
### Herring Illa, VIId and North Sea [HERRNS-Illa-VIId]

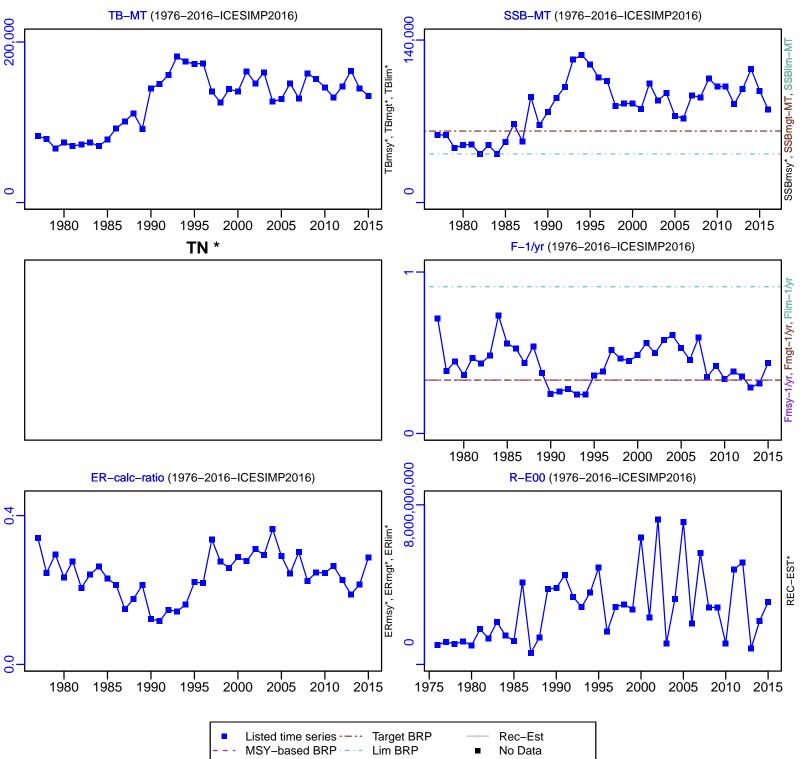


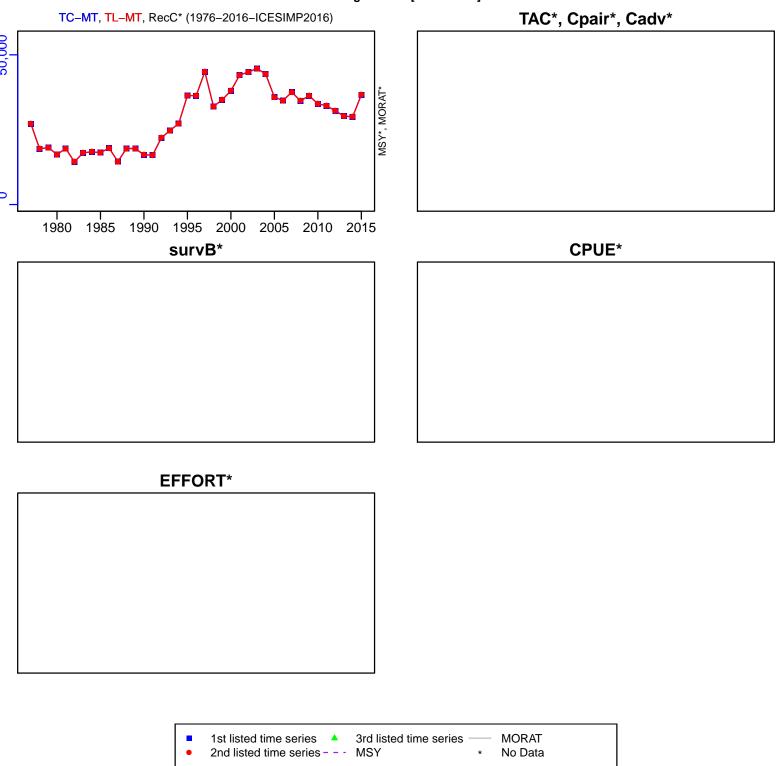
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID	WGBFAS-HERRRIGA-1976-2016-ICESIMP2016		
Area Gulf of Riga East of Gotland			
Management Authority	International Council for the Exploration of the Sea		
Assessor Baltic Fisheries Assessment Working Group			
Asmts in RAM	2011, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	SSBmsy-MT	2011	60,000	
Fmsy	Fmsy-1/yr	2016	0.32	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	60,000	
Fmgt	Fmgt-1/yr	2016	0.32	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2011	0.2	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	40,800	
Flim	Flim-1/yr	2016	0.88	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	128,000	-	-
SSB	SSB-MT	2016	78,200	-	-
TN	-	-	-	-	-
R	R-E00	2016	$2.99 \times 10^{9}$	-	1
F	F-1/yr	2016	0.42	-	3 to 7
ER	ER-calc-ratio	2016	0.26	-	-
TC	TC-MT	2016	32,900		
TL	TL-MT	2016	32,900		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSB-MT/SSBmsy-MT	2011	1.26		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.32		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.3		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.32		
ER/ERmgt	-	-	-		



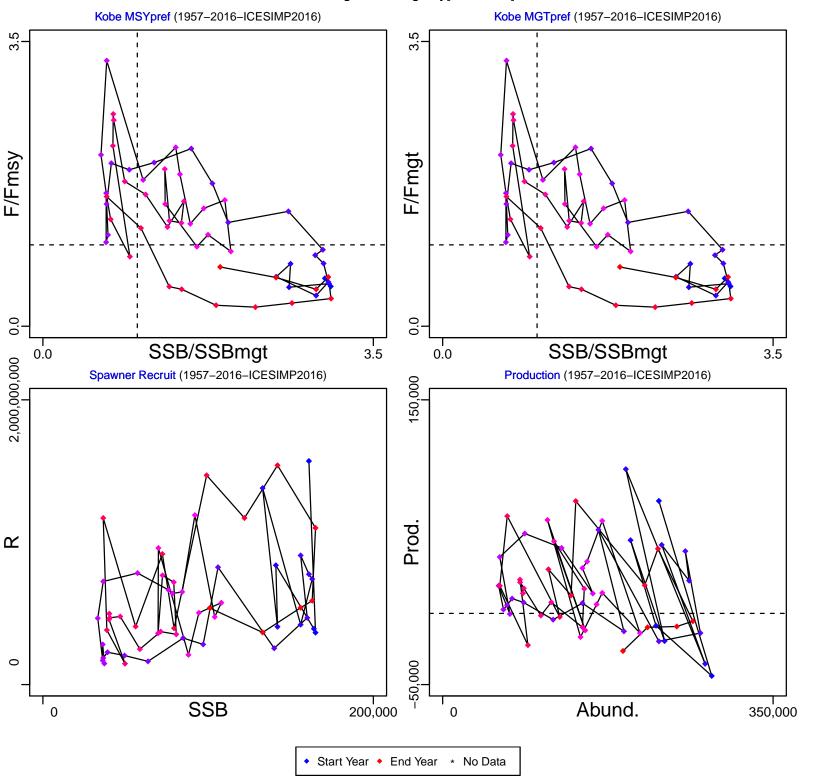


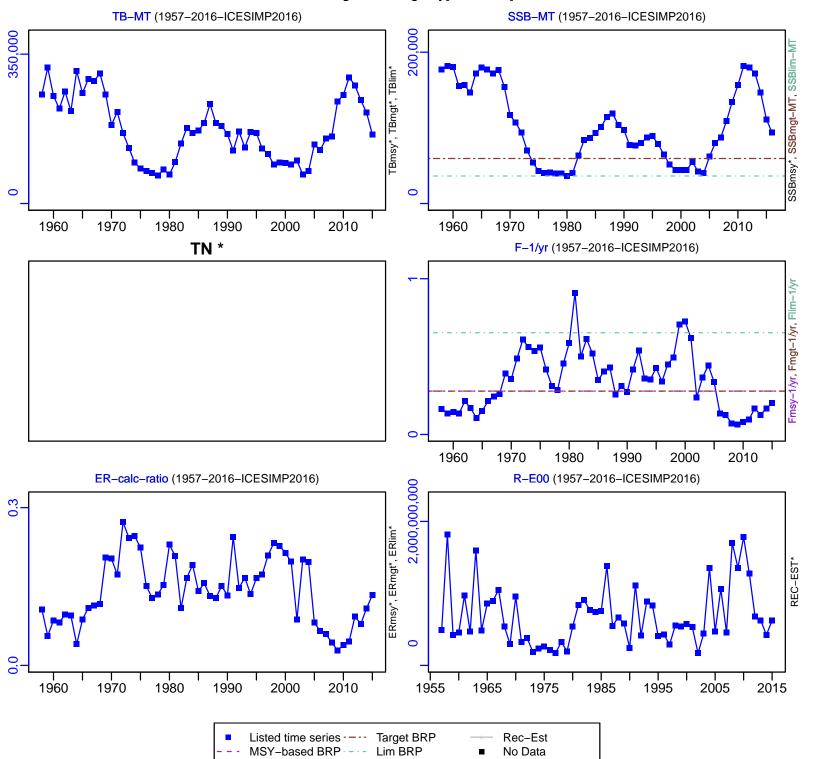


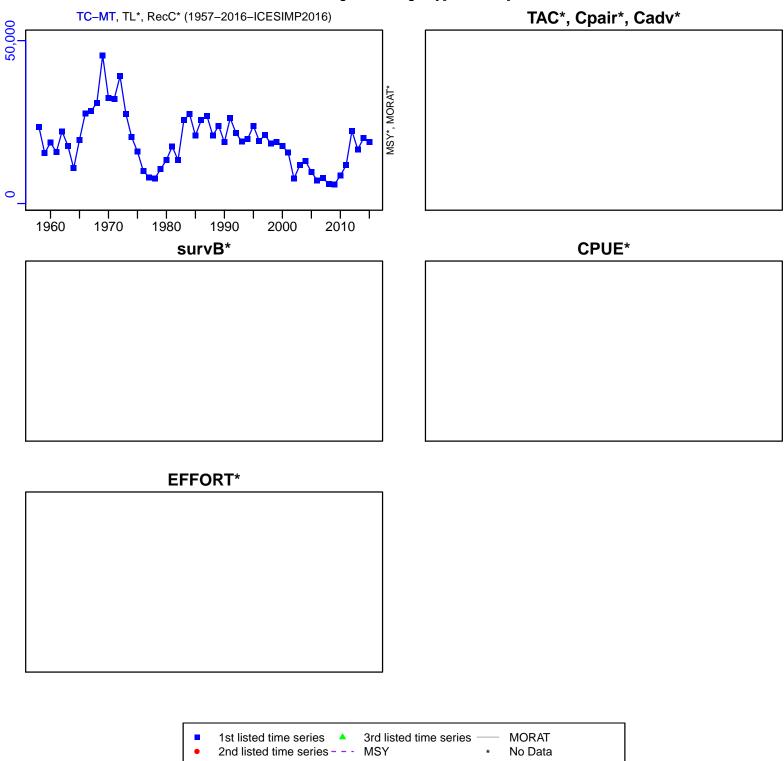
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERRSIRS-1957-2016-ICESIMP2016			
Area ICES VIIa-g-h-j			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 6			
Asmts in RAM	2010, 2012, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.26	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	54,000	
Fmgt	Fmgt-1/yr	2016	0.26	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	TBlim-MT	2010	26,000	
SSBlim	SSBlim-MT	2016	33,000	
Flim	Flim-1/yr	2016	0.61	
ERlim	-	-	-	

	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	145,000	-	-
SSB	SSB-MT	2016	84,900	-	-
TN	-	-	-	-	-
R	R-E00	2016	$5.38 \times 10^{8}$	-	1
F	F-1/yr	2016	0.19	-	2 to 5
ER	ER-calc-ratio	2016	0.13	-	-
TC	TC-MT	2016	18,400		
TL	TL-MT	2014	16,100		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.73		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.57		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.73		
ER/ERmgt	-	-	-		





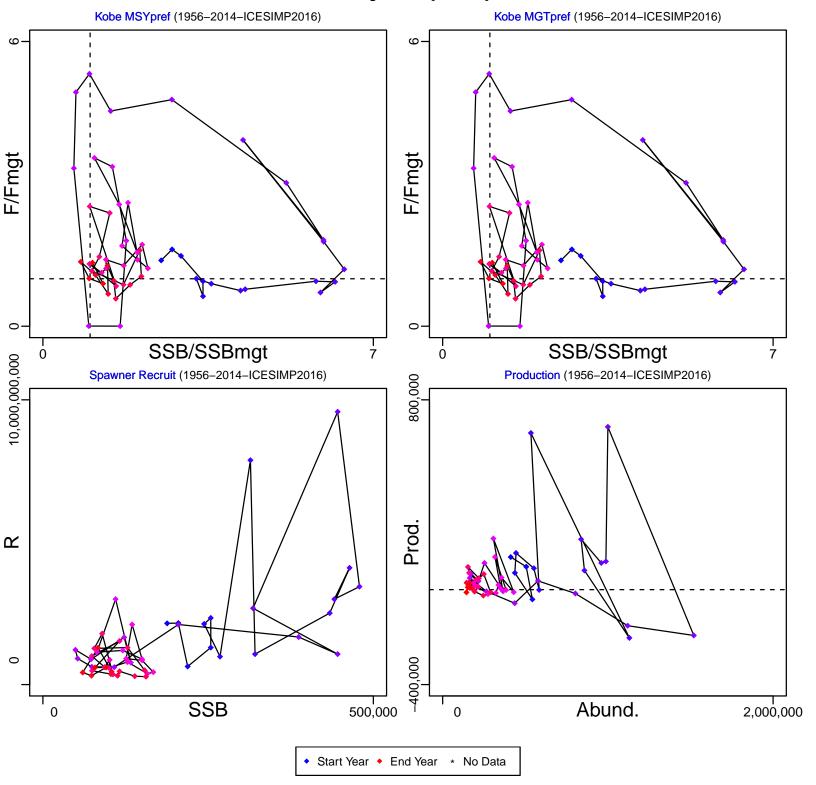


# Herring ICES VIa [HERRVIa]

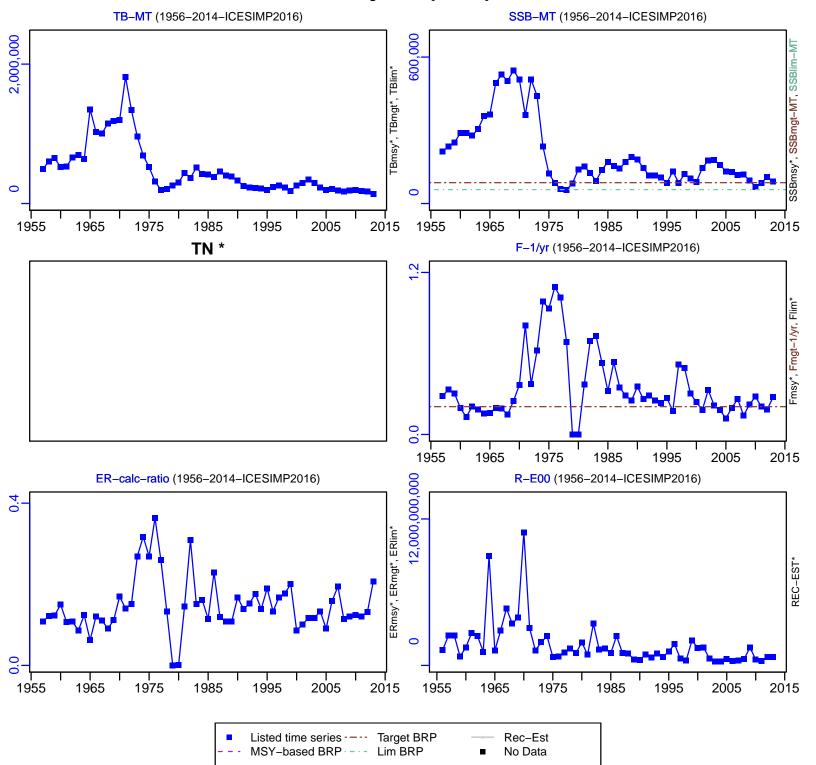
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERRVIa-1956-2014-ICESIMP2016			
Area West of Scotland			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 6			
Asmts in RAM	2010, 2013, 2014		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2010	0.25		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2014	75,000		
Fmgt	Fmgt-1/yr	2014	0.2		
ERmgt	-	-	-		
TB0	)  -  -		-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	TBlim-MT	2010	50,000		
SSBlim	SSBlim-MT	2014	50,000		
Flim	-	-	-		
ERlim	-	-	-		

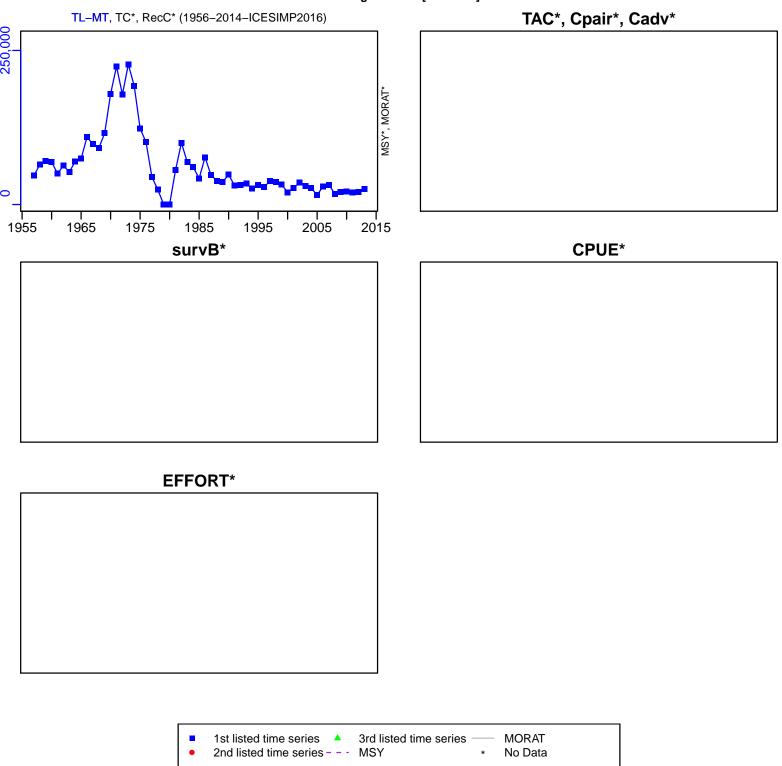
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	114,000	-	-
SSB	SSB-MT	2014	78,800	-	-
TN	-	-	-	-	-
R	R-E00	2014	$6 \times 10^8$	-	1
F	F-1/yr	2014	0.27	-	3 to 6 ringer
ER	ER-calc-ratio	2014	0.2	-	-
TC	-	-	-		
TL	TL-MT	2014	23,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	1.06		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.05		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.34		
ER/ERmgt	-	-	-		



#### Herring ICES VIa [HERRVIa]



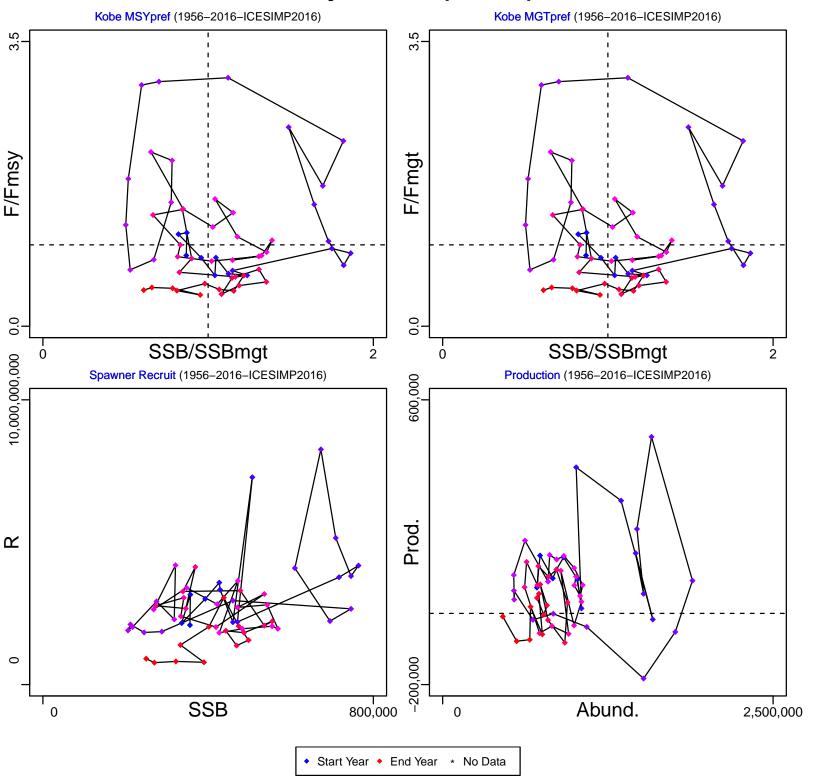
### Herring ICES VIa [HERRVIa]

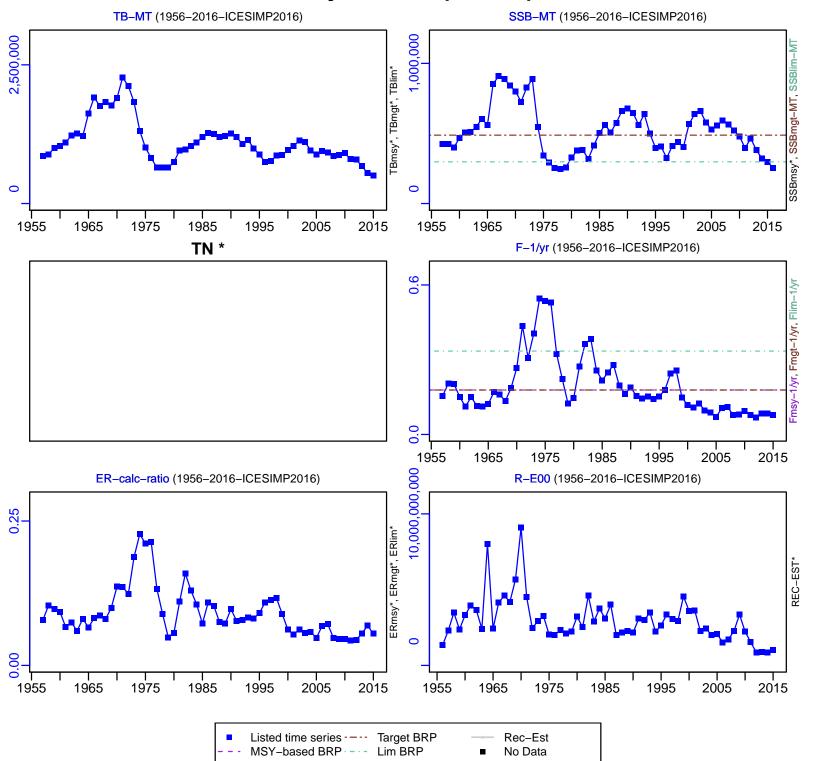


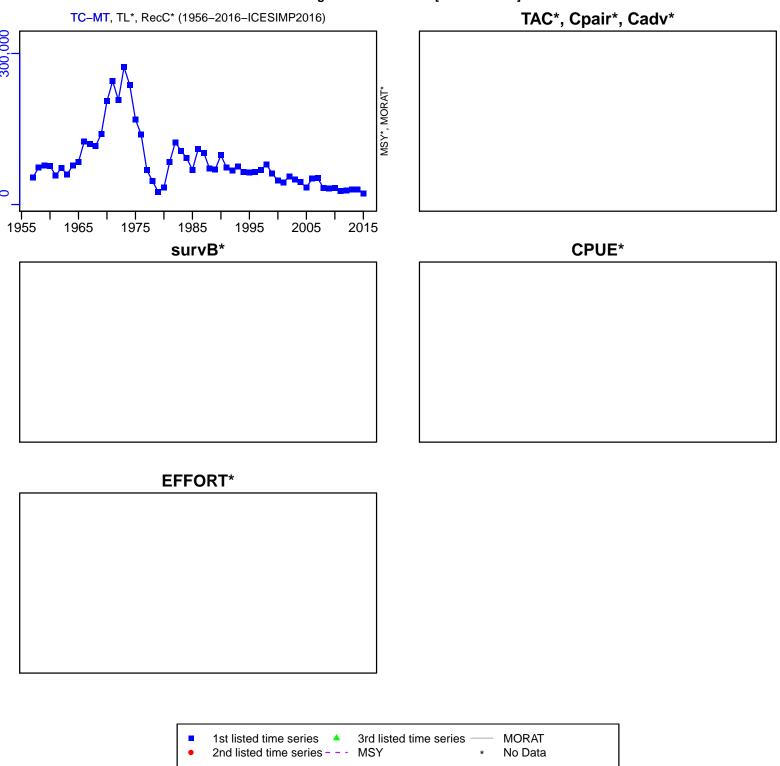
Metadata			
Scientific Name	Clupea harengus		
Current Assess ID HAWG-HERRVIaVIIbc-1956-2016-ICESIMP2016			
Area VIa, VIIb and VIIc			
Management Authority International Council for the Exploration of the Sea			
Assessor Herring Assessment Working Group for the Area South of 6			
Asmts in RAM	2010, 2013, 2014, 2015, 2016		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.16		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	410,000		
Fmgt	Fmgt-1/yr	2016	0.16		
ERmgt	-	-	-		
TB0	0   -   -		-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	TBlim-MT	2010	81,000		
SSBlim	SSBlim-MT	2016	250,000		
Flim	Flim-1/yr	2016	0.3		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	419,000	-	-
SSB	SSB-MT	2016	214,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$9.09 \times 10^{8}$	-	1
F	F-1/yr	2016	0.07	-	3 to 6
ER	ER-calc-ratio	2016	0.05	-	-
TC	TC-MT	2016	19,900		
TL	TL-MT	2015	27,100	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.44		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.52		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.44		
ER/ERmgt	-	-	-		







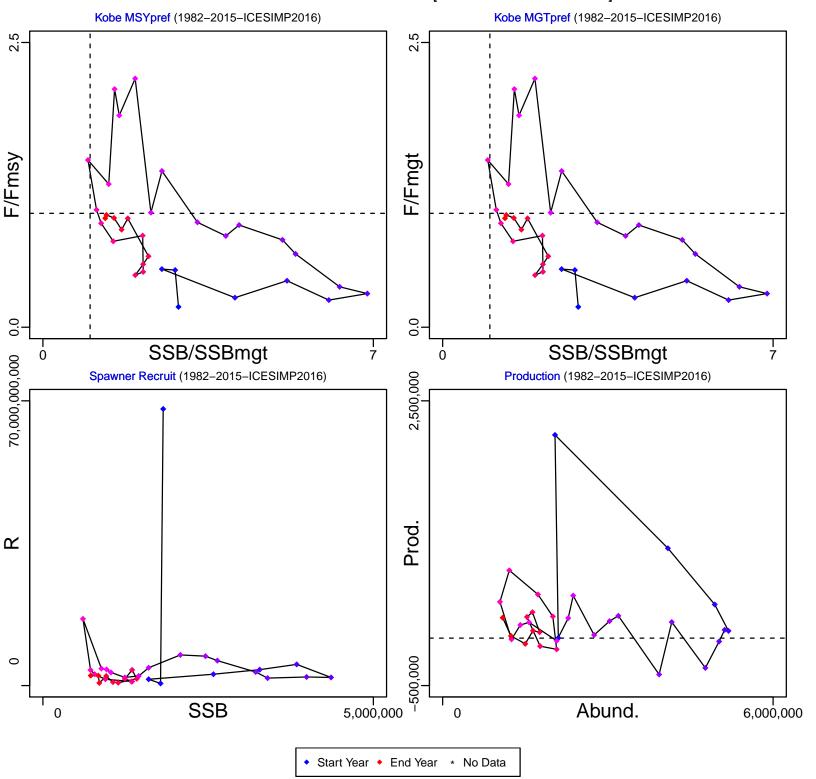
# Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]

Metadata			
Scientific Name	Trachurus trachurus		
Current Assess ID WGWIDE-HMACKIIa-IVa-Vb-VIa-VII-1982-2015-ICESIMP201			
Area IIa-IVa-Vb-VIa-VII-VIII			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Widely Distributed Stocks		
Asmts in RAM	2013, 2014, 2015		

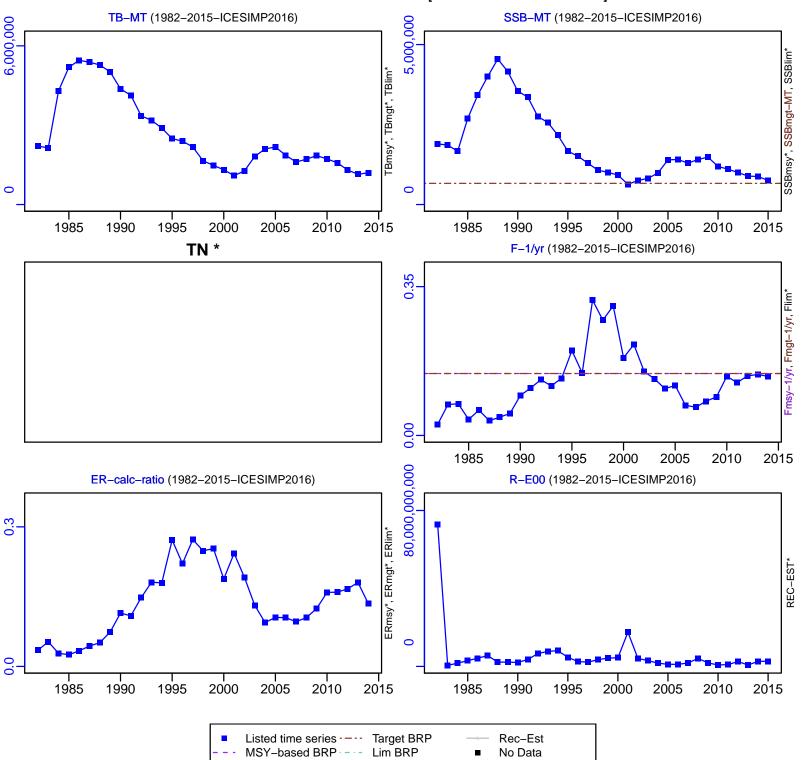
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2015	0.13		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2015	634,577		
Fmgt	Fmgt-1/yr	2015	0.13		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY			-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

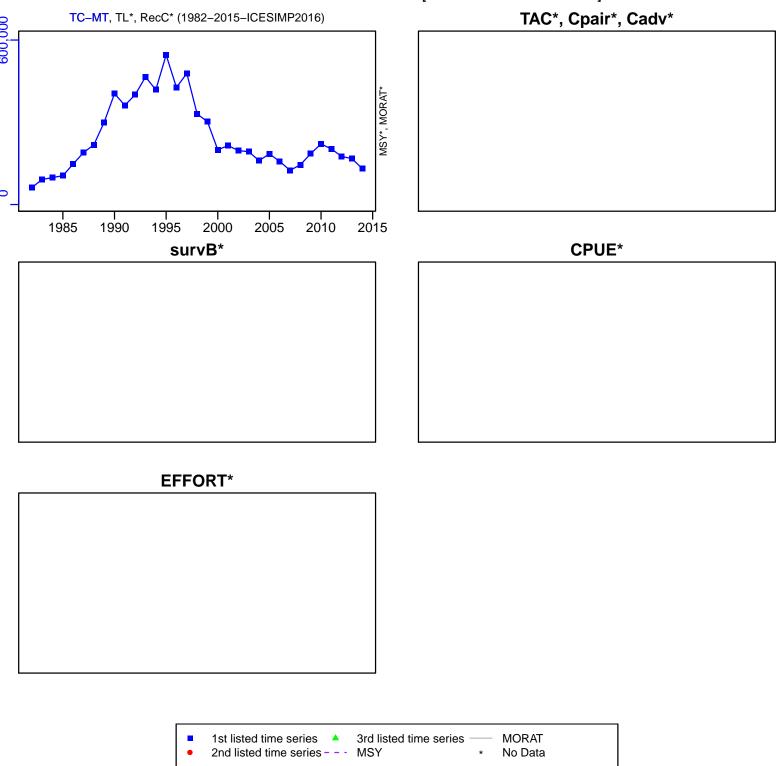
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	1,140,000	-	-
SSB	SSB-MT	2015	724,000	-	-
TN	-	-	-	-	-
R	R-E00	2015	$2.45 \times 10^{9}$	-	0
F	F-1/yr	2015	0.12	-	1 to 10
ER	ER-calc-ratio	2015	0.11	-	-
TC	TC-MT	2015	129,000		
TL	TL-MT	2014	161,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.96		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.14		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.96		
ER/ERmgt	-	-	-		

### Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]



#### Horse mackerel IIa-IVa-Vb-VIa-VII-VIII [HMACKIIa-IVa-Vb-VIa-VII-VIII]





# Horse mackerel Illa-IVbc-VIId [HMACKIlla-IVbc-VIId]

Metadata			
Scientific Name	Trachurus trachurus		
Current Assess ID WGWIDE-HMACKIIIa-IVbc-VIId-1982-2015-ICESIMP2016			
Area IIIa-IVbc-VIId			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Widely Distributed Stocks		
Asmts in RAM	2015		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	13,400		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

### Horse mackerel IIIa-IVbc-VIId [HMACKIIIa-IVbc-VIId]

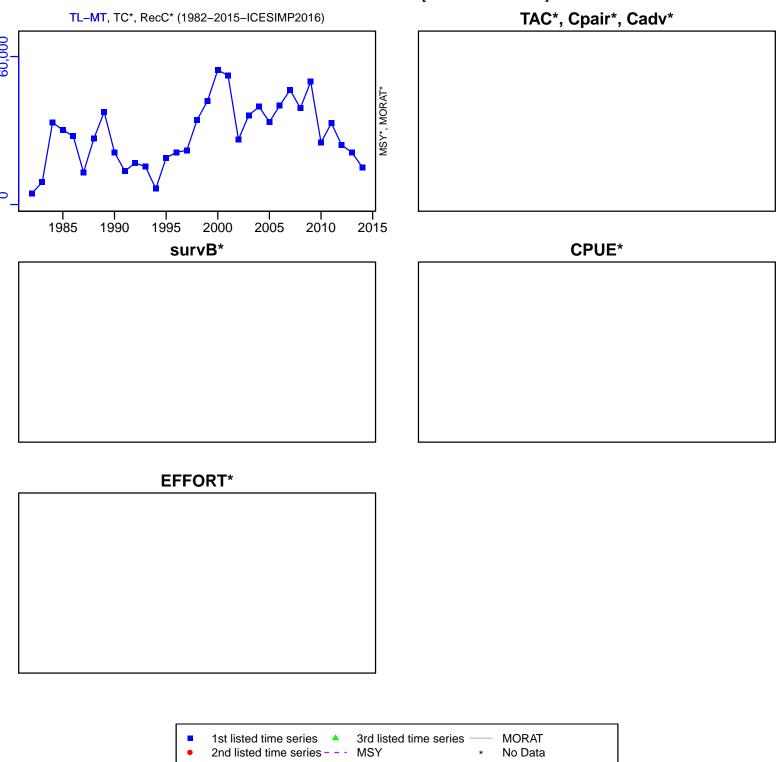
Kobe MSY*	Kobe MGT*
	J
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

## Horse mackerel IIIa-IVbc-VIId [HMACKIIIa-IVbc-VIId]

TB*	SSB*
TN *	F*
ER*	Recruits*
Γ	
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data

### Horse mackerel IIIa-IVbc-VIId [HMACKIIIa-IVbc-VIId]



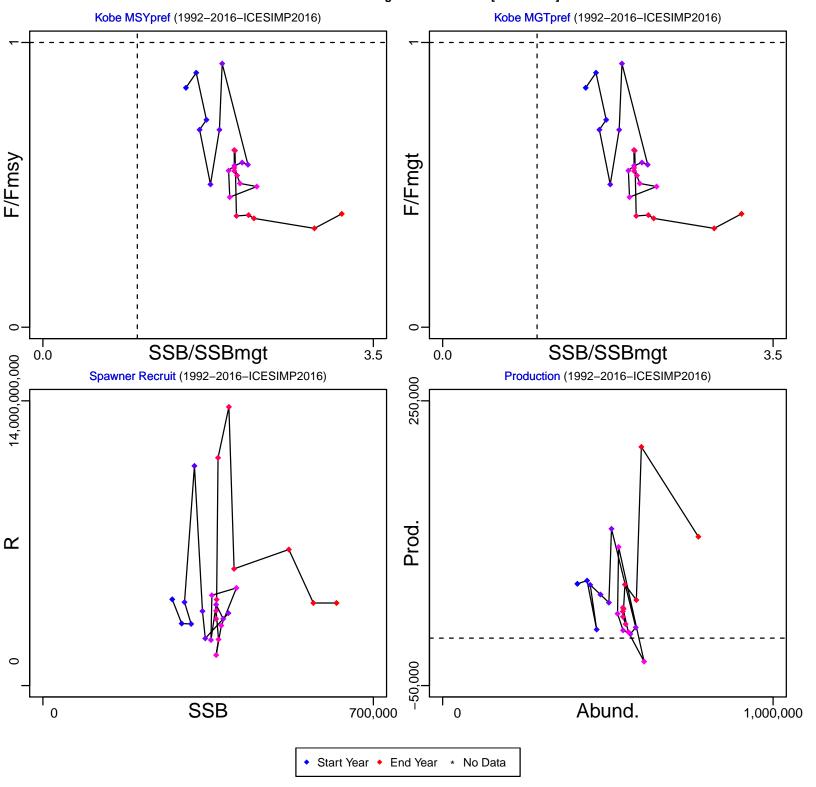
# Horse mackerel Portugese Waters -East [HMACKIXa]

Metadata		
Scientific Name	Trachurus trachurus	
Current Assess ID	WGHANSA-HMACKIXa-1992-2016-ICESIMP2016	
Area	Portugese Waters -East	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine	
Asmts in RAM	2013, 2014, 2015, 2016	

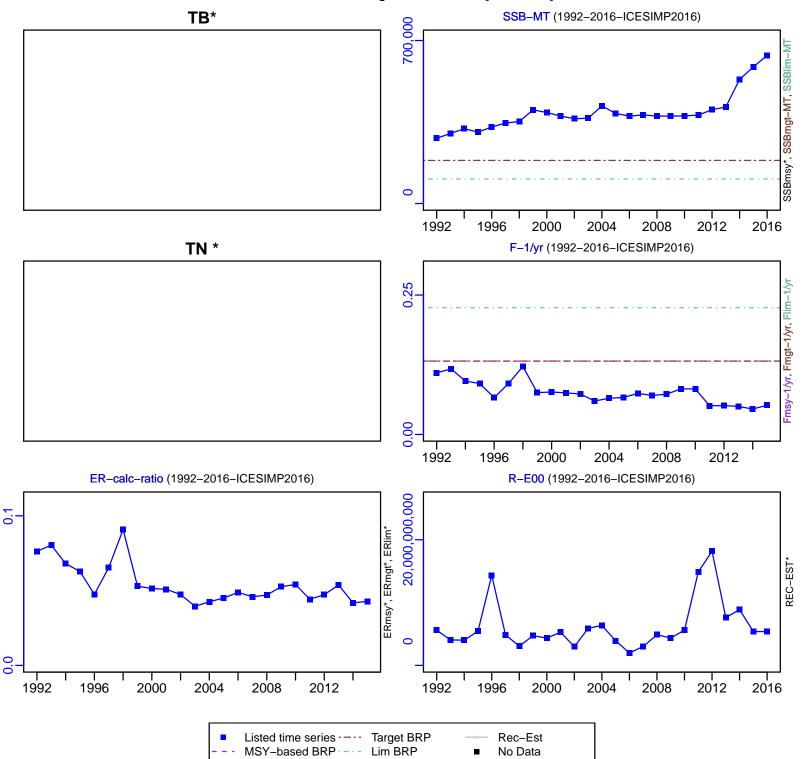
Reference Points					
Туре	ID	Asmt Year Value			
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.11		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	181,000		
Fmgt	Fmgt-1/yr	2016	0.11		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016 103,000			
Flim	Flim-1/yr	2016	0.19		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	SSB-MT	2016	622,000	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	$4.06 \times 10^{9}$	-	0	
F	F-1/yr	2016	0.04	-	2 to 10	
ER	ER-calc-ratio	2016	0.04	-	-	
TC	TC-MT	2016	32,700			
TL	TL-MT	2016	32,700			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.4			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.43			
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.4			
ER/ERmgt	-	-	-			

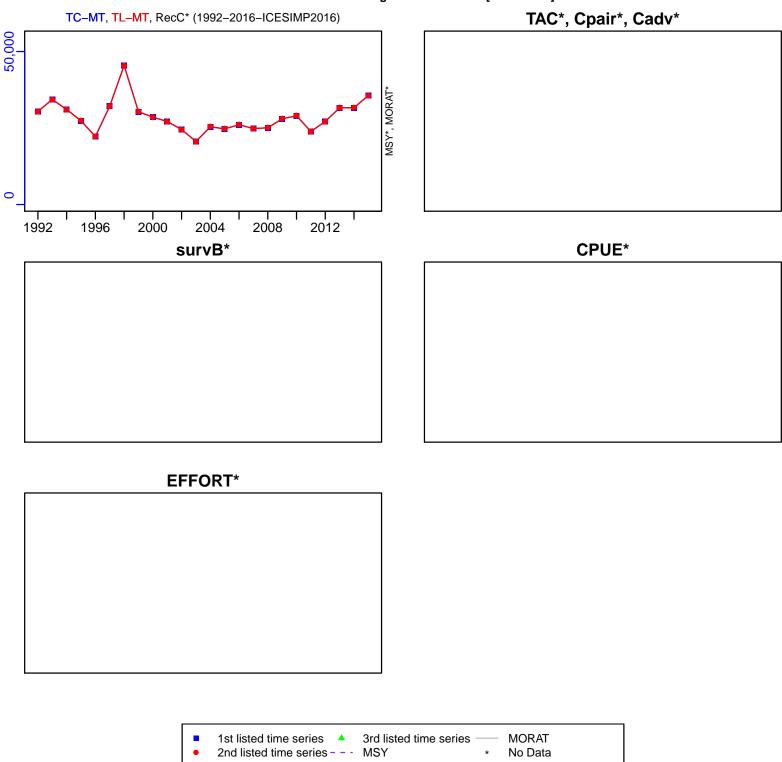
#### Horse mackerel Portugese Waters -East [HMACKIXa]



#### Horse mackerel Portugese Waters -East [HMACKIXa]



#### Horse mackerel Portugese Waters -East [HMACKIXa]

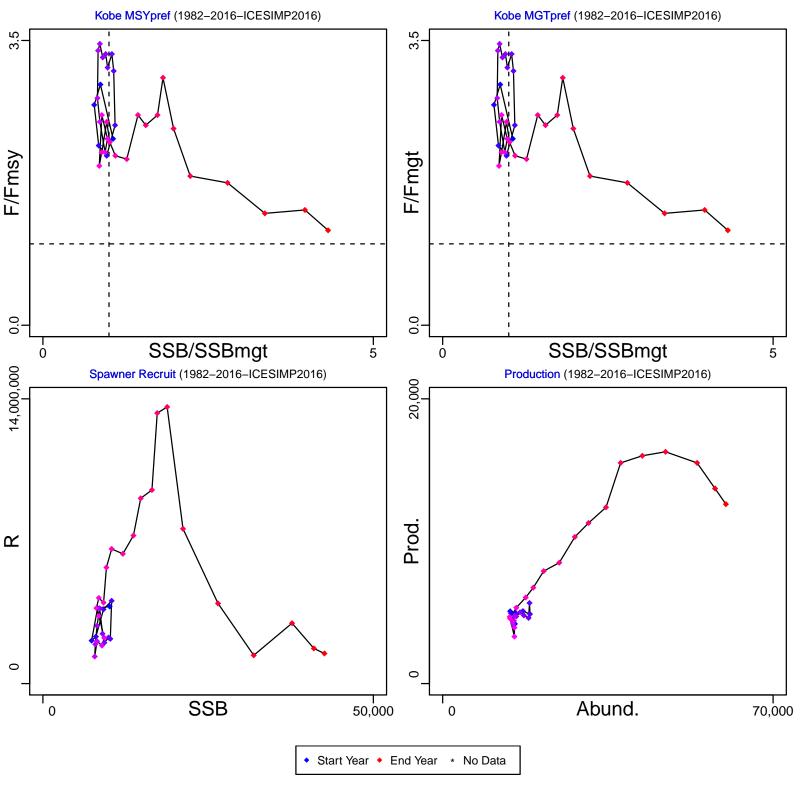


# Ling Iceland Grounds [LINGVa]

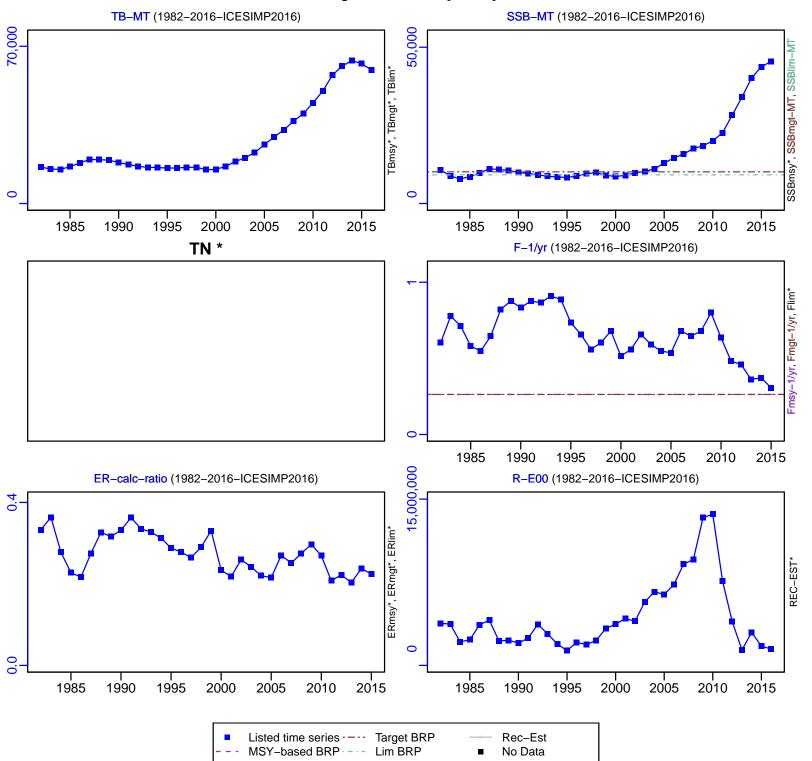
Metadata			
Scientific Name	Molva molva		
Current Assess ID	WGDEEP-LINGVa-1982-2016-ICESIMP2016		
Area Iceland Grounds			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources		
Asmts in RAM	2014, 2015, 2016		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.24		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	9500		
Fmgt	Fmgt-1/yr	2016	0.24		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	8600		
Flim	-	-	-		
ERlim	-	-	-		

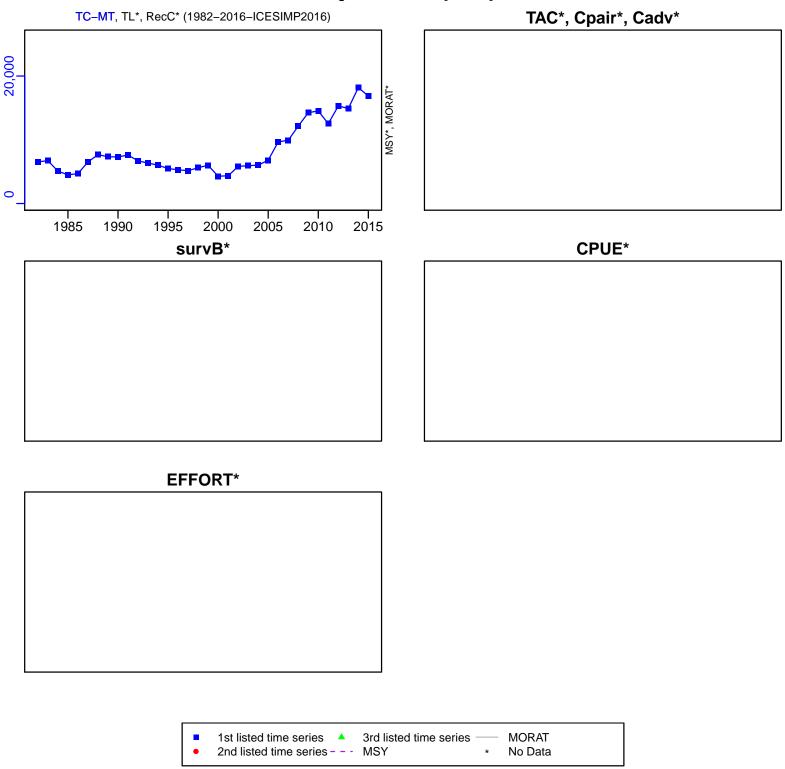
	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	56,100	-	-
SSB	SSB-MT	2016	42,600	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,480,000	-	-
F	F-1/yr	2016	0.28	-	-
ER	ER-calc-ratio	2016	0.22	-	-
TC	TC-MT	2016	12,900		
TL	TL-MT	2014	11,700		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.17		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	4.48		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.17		
ER/ERmgt	-	-	-		



#### Ling Iceland Grounds [LINGVa]



#### Ling Iceland Grounds [LINGVa]

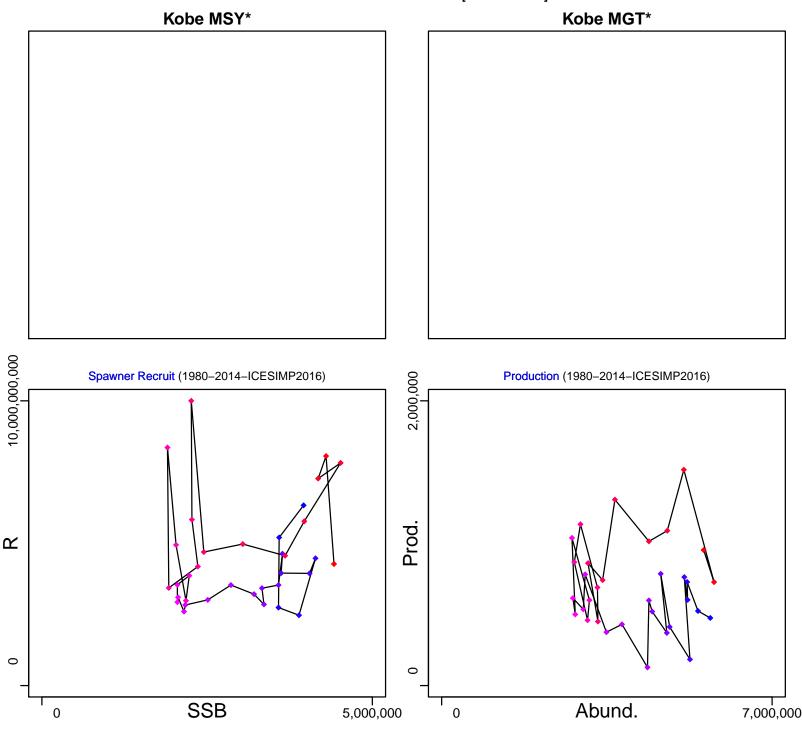


# **Mackerel ICES Northeast Atlantic [MACKNEICES]**

Metadata			
Scientific Name	Scomber scombrus		
Current Assess ID	WGWIDE-MACKNEICES-1980-2014-ICESIMP2016		
Area	IIa-IIIabd-IV-Vb-VI-VII-VIIIabcde-XII-XIV-Ixa		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Widely Distributed Stocks		
Asmts in RAM	2007, 2013, 2014		

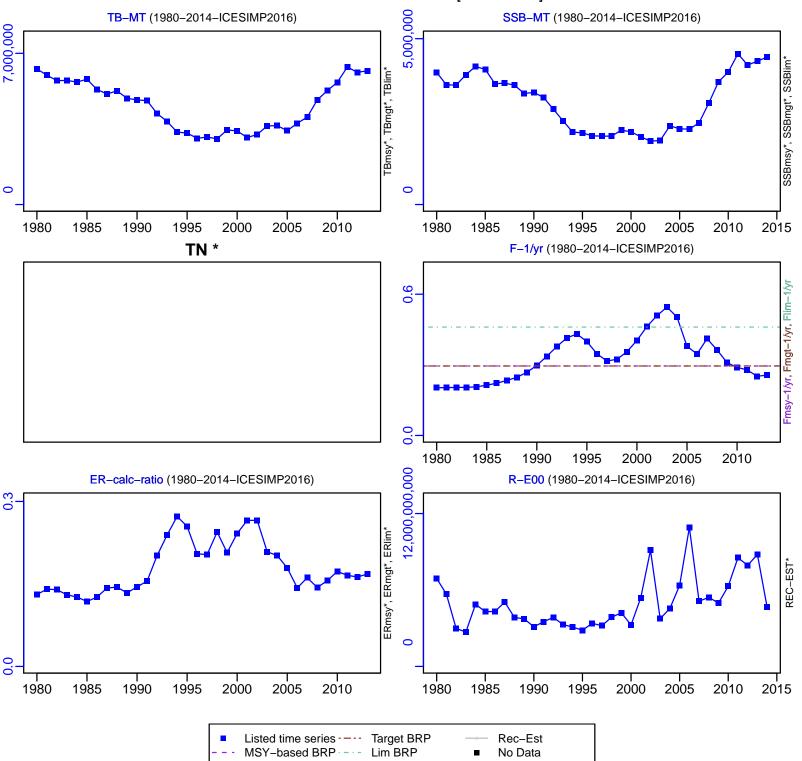
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2014	0.25		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-1/yr	2014	0.25		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2007	0.15		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2014	1,840,000		
Flim	Flim-1/yr	2014	0.39		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	5,610,000	-	-
SSB	SSB-MT	2014	4,420,000	-	-
TN	-	-	-	-	-
R	R-E00	2014	$4.27 \times 10^{9}$	-	0
F	F-1/yr	2014	0.22	-	4 to 8
ER	ER-calc-ratio	2014	0.17	-	-
TC	TC-MT	2014	932,000		
TL	TL-MT	2014	927,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	0.87		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	0.87		
ER/ERmgt	-	-	-		

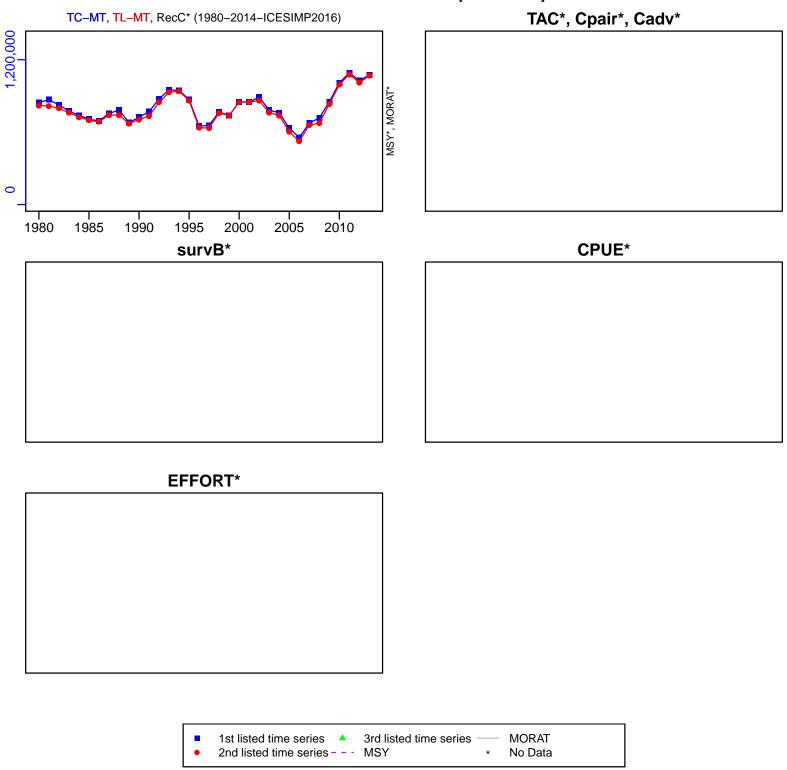


Start Year • End Year • No Data

#### **Mackerel ICES Northeast Atlantic [MACKNEICES]**



#### Mackerel ICES Northeast Atlantic [MACKNEICES]

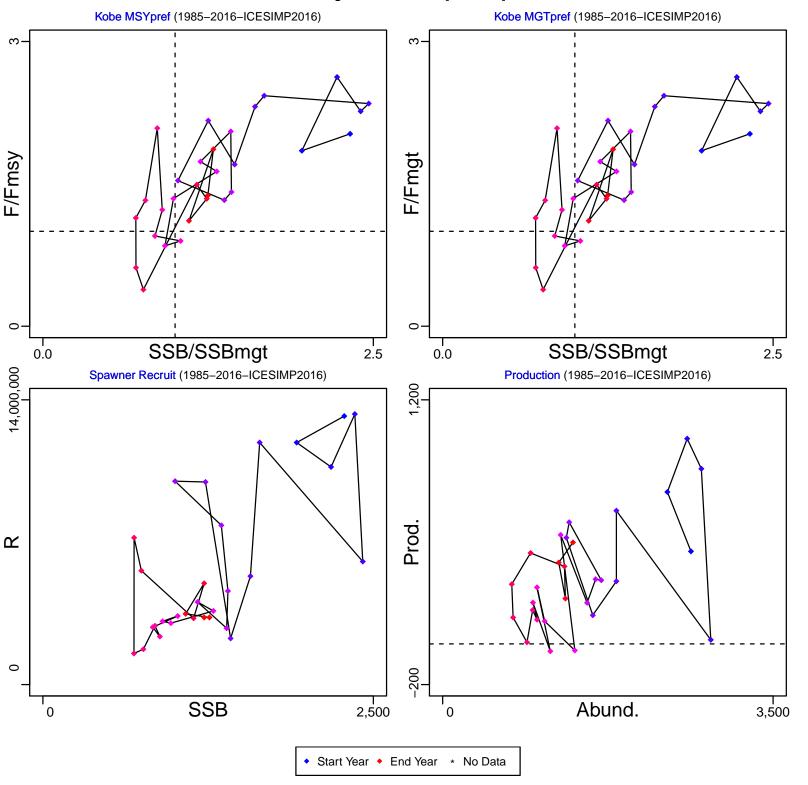


# Megrim ICES VIIIc-IXa [MEG8c9a]

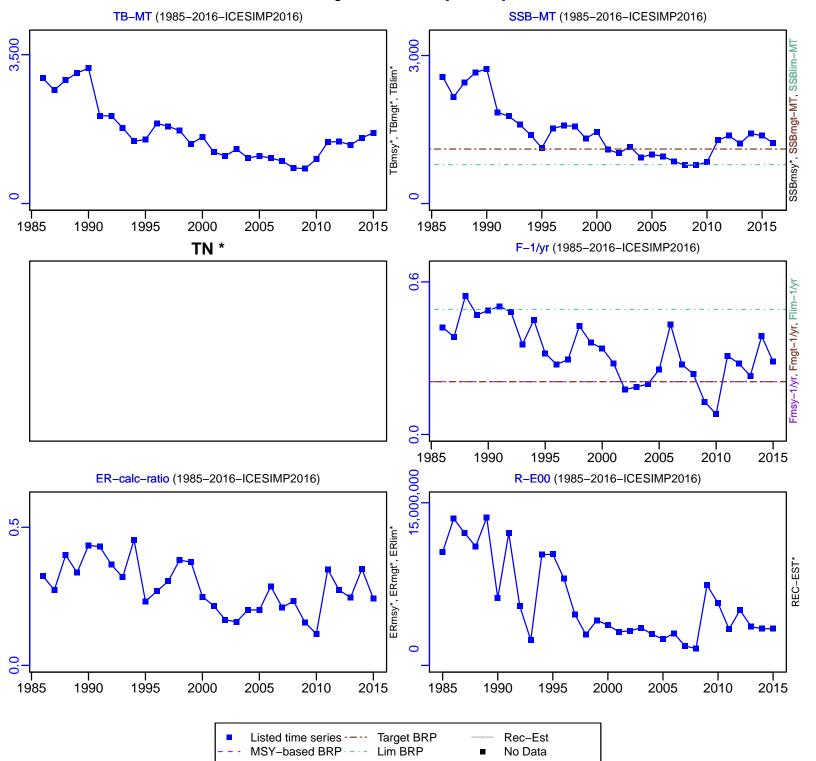
Metadata			
Scientific Name	Lepidorhombus whiffiagonis		
Current Assess ID	WGBIE-MEG8c9a-1985-2016-ICESIMP2016		
Area VIIIc-IXa			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion		
Asmts in RAM	2014, 2015, 2016, 2010, 2013		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.19		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	980		
Fmgt	Fmgt-1/yr	2016	0.19		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	M-1/yr	2010	0.2		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	700		
Flim	Flim-1/yr	2016	0.45		
ERlim	-	-	-		

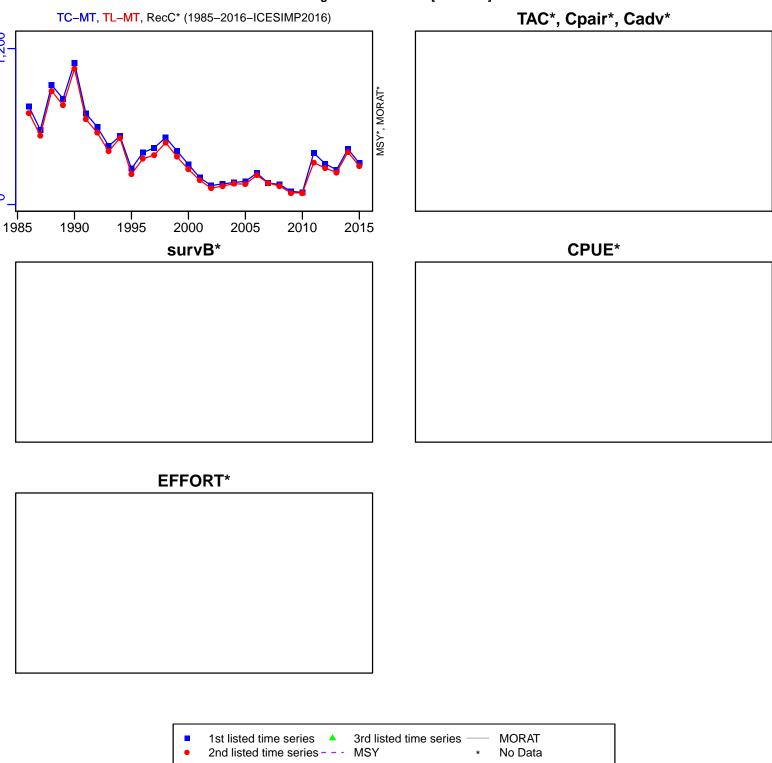
	Time Series				
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	1480	-	-
SSB	SSB-MT	2016	1090	-	-
TN	-	-	-	-	-
R	R-E00	2016	3,300,000	-	1
F	F-1/yr	2016	0.26	-	2 to 4
ER	ER-calc-ratio	2016	0.2	-	-
TC	TC-MT	2016	297		
TL	TL-MT	2016	276		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.38		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.11		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.38		
ER/ERmgt	-	-	-		



#### Megrim ICES VIIIc-IXa [MEG8c9a]



### Megrim ICES VIIIc-IXa [MEG8c9a]

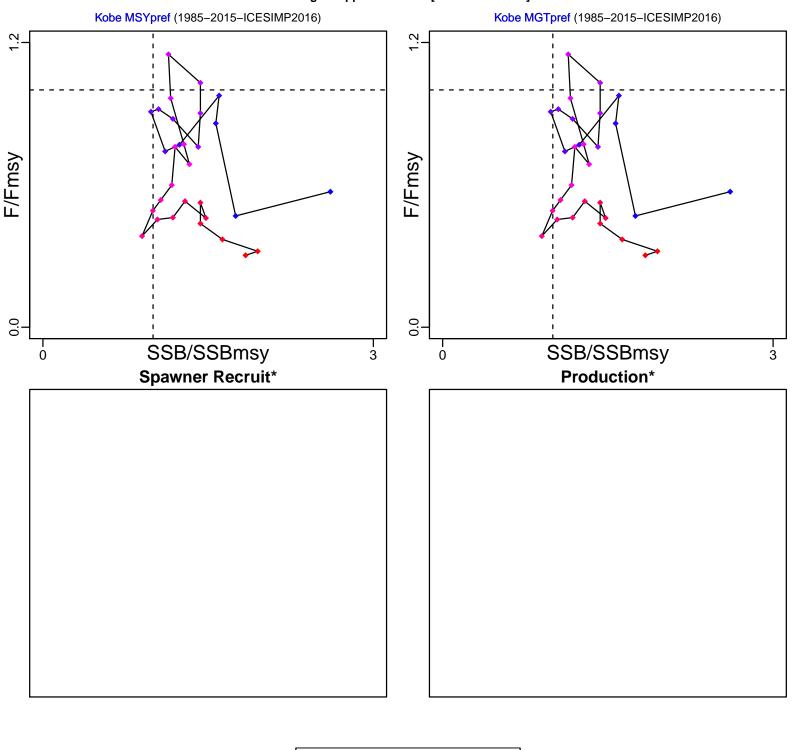


# Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

Metadata			
Scientific Name	Lepidorhombus spp.		
Current Assess ID	WGCSE-MEGSPPIVa-VIa-1985-2015-ICESIMP2016		
Area	IVa and VIa		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2012, 2013, 2015		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	2810		
TL	TL-MT	2015	2500		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2015	1.84		
F/Fmsy	FdivFmsy-dimensionless	2015	0.3		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

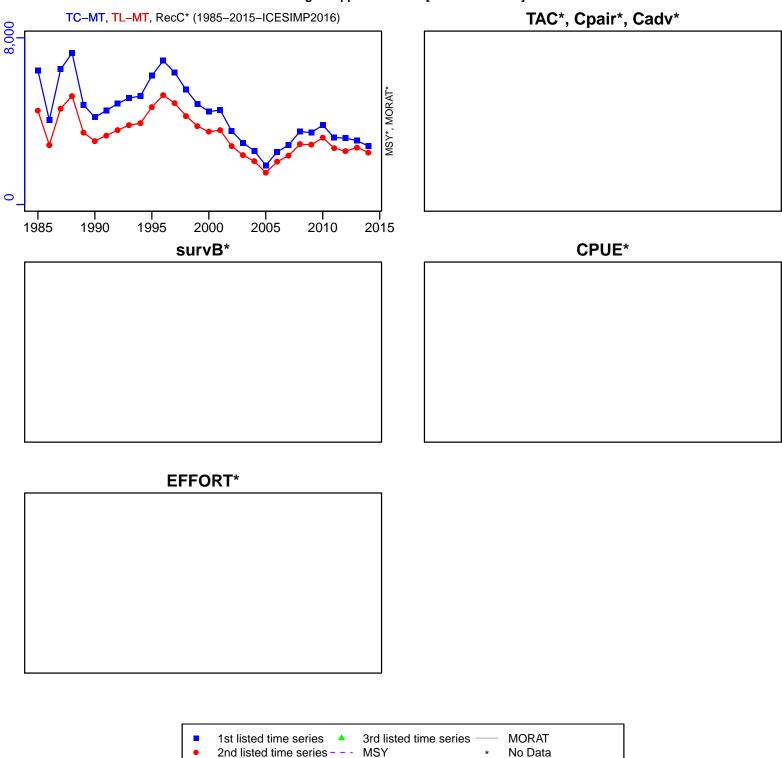


Start Year • End Year \* No Data

## Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data

## Megrim spp. IVa and VIa [MEGSPPIVa-VIa]

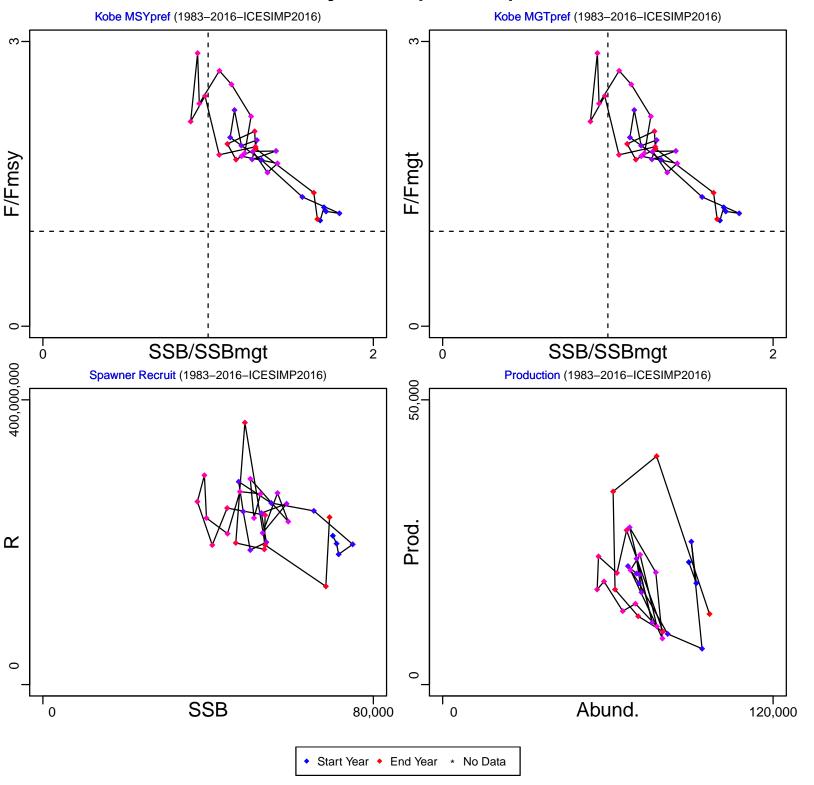


# Megrim VII-VIIIabd [MEGVII-VIIIabd]

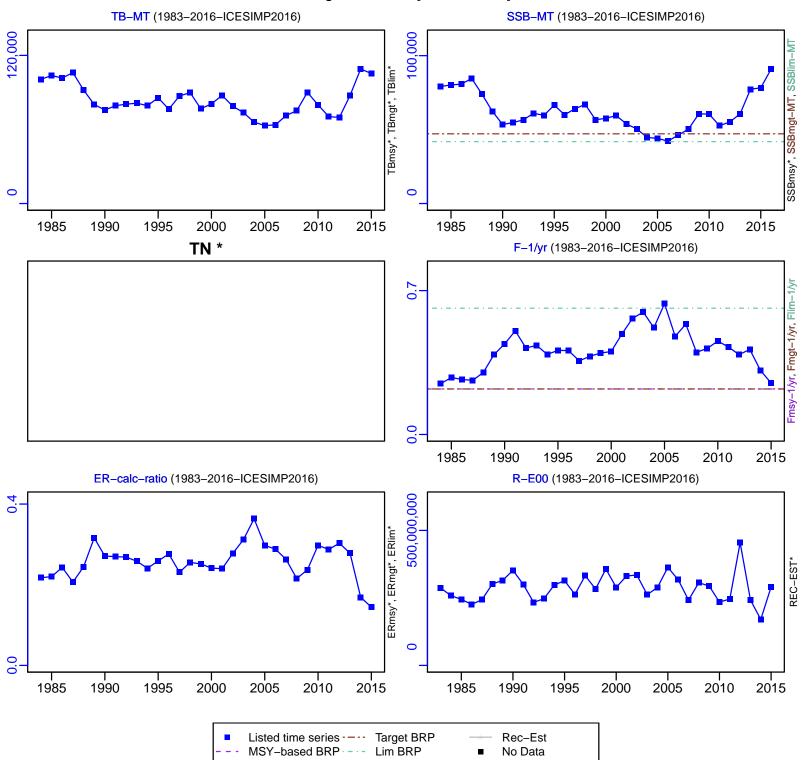
Metadata		
Scientific Name	Lepidorhombus whiffiagonis	
Current Assess ID	WGBIE-MEGVII-VIIIabd-1983-2016-ICESIMP2016	
Area VII and VIIIabd		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2014, 2015, 2016	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.19		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	41,800		
Fmgt	Fmgt-1/yr	2016	0.19		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	37,100		
Flim	Flim-1/yr	2016	0.53		
ERlim	-	-	-		

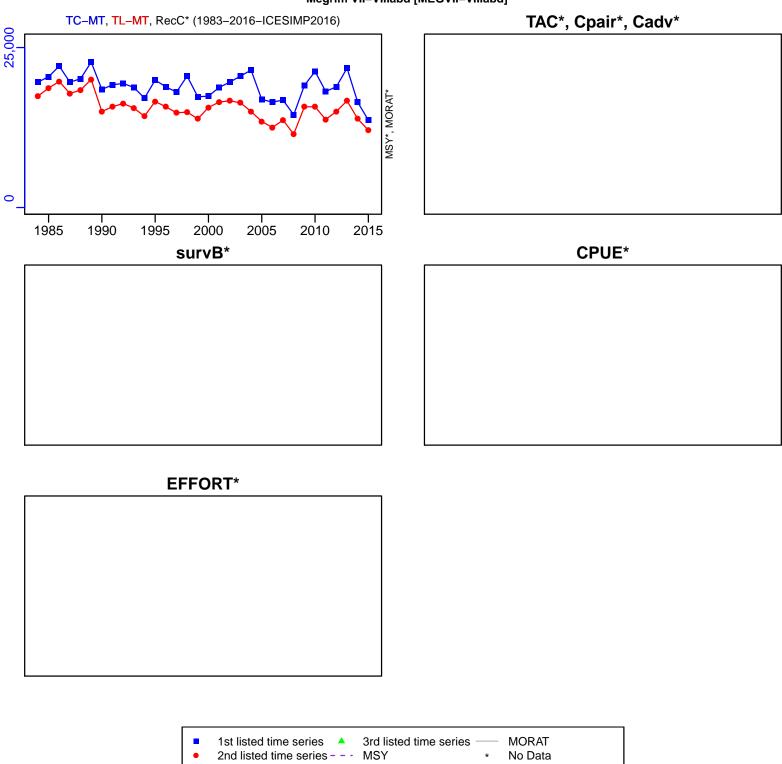
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	93,500	-	-
SSB	SSB-MT	2016	80,600	-	-
TN	-	-	-	-	-
R	R-E00	2016	$2.35 \times 10^{8}$	-	1
F	F-1/yr	2016	0.22	-	3 to 6
ER	ER-calc-ratio	2016	0.14	-	-
TC	TC-MT	2016	13,100		
TL	TL-MT	2016	11,600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.13		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.93		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.13		
ER/ERmgt	-	-	-		



#### Megrim VII-VIIIabd [MEGVII-VIIIabd]



#### Megrim VII-VIIIabd [MEGVII-VIIIabd]



Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGNSSK-NEPHFU10-1981-2016-ICESIMP2016	
Area	Noup (FU 10)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2016	

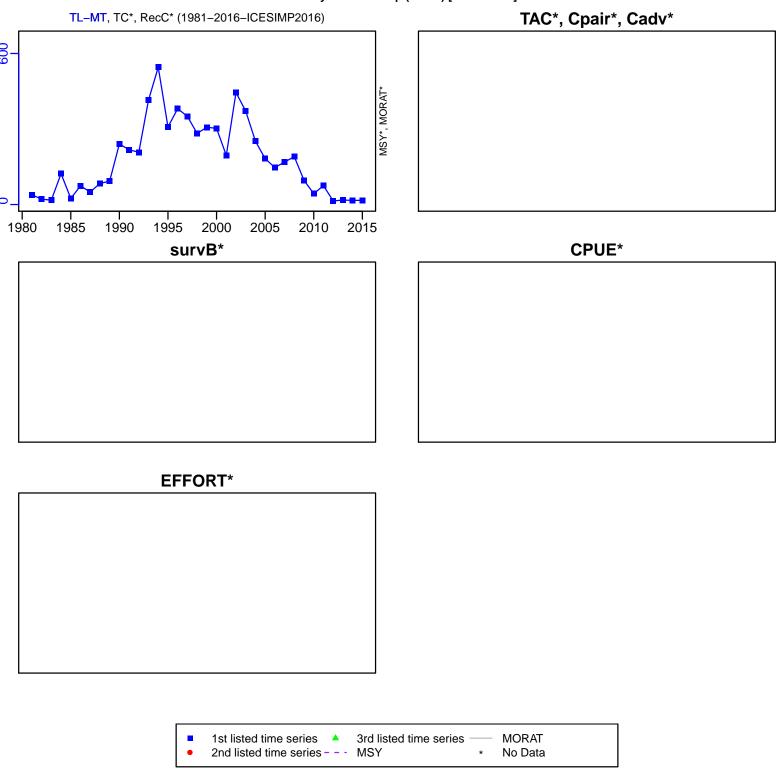
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2016	15			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ED*	Doowito*
ER*	Recruits*
	J
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



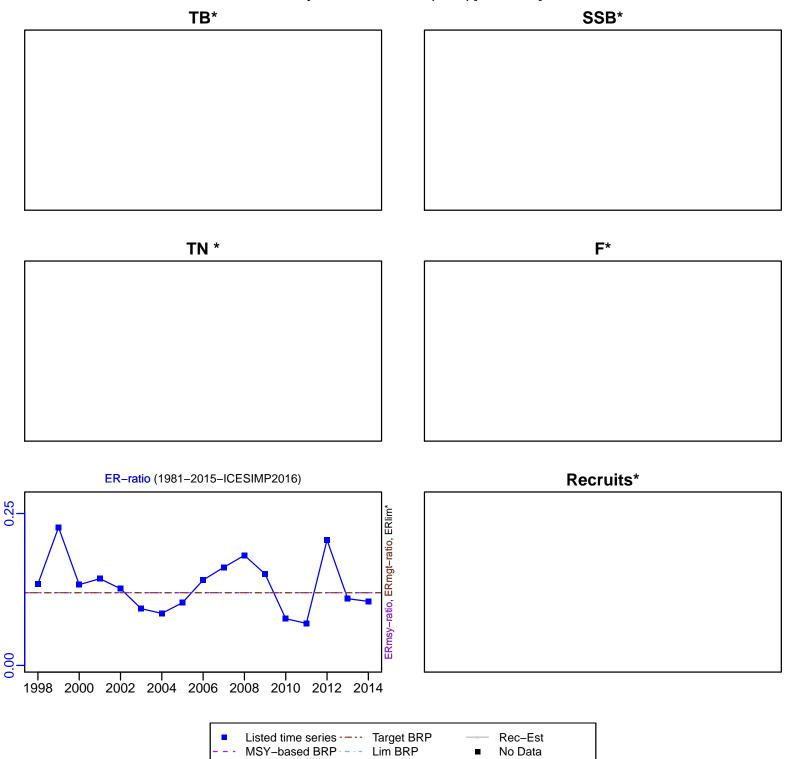
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGCSE-NEPHFU11-1981-2015-ICESIMP2016	
Area	North Minch (FU 11)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2015	0.11		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	ERmgt-ratio	2015	0.11		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

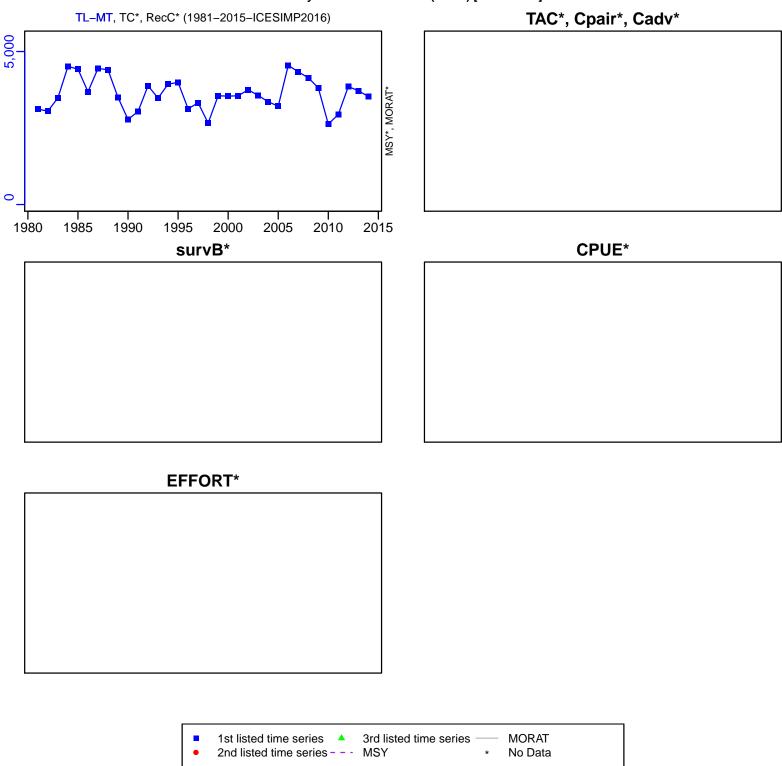
Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	ER-ratio	2015	0.1	-	-	
TC	-	-	-			
TL	TL-MT	2015	3240			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.88			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

Kobe MSY*	Kobe MGT*
	J
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



No Data



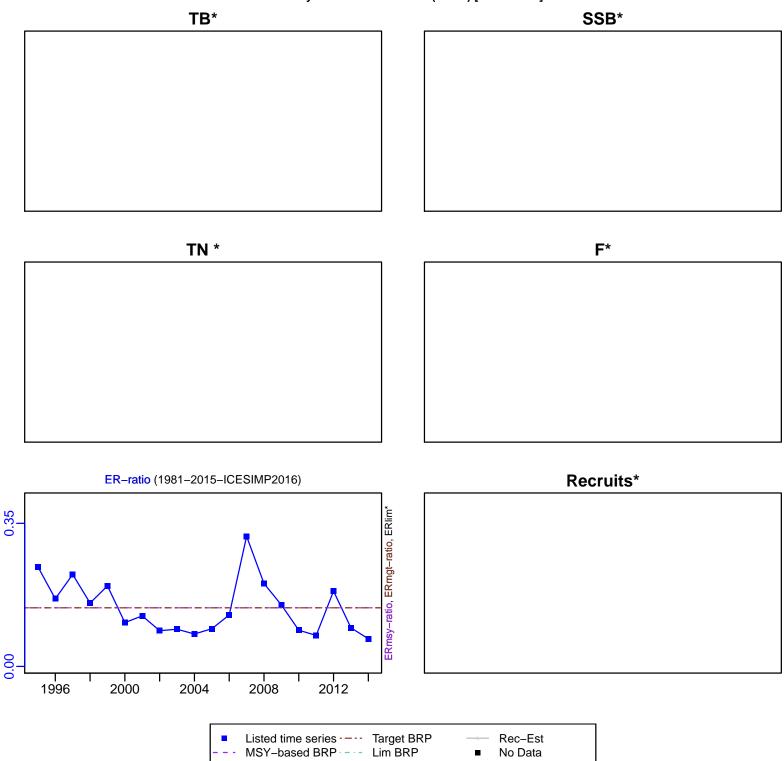
Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	WGCSE-NEPHFU12-1981-2015-ICESIMP2016		
Area	South Minch (FU 12)		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2015		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2015	0.12	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2015	0.12	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

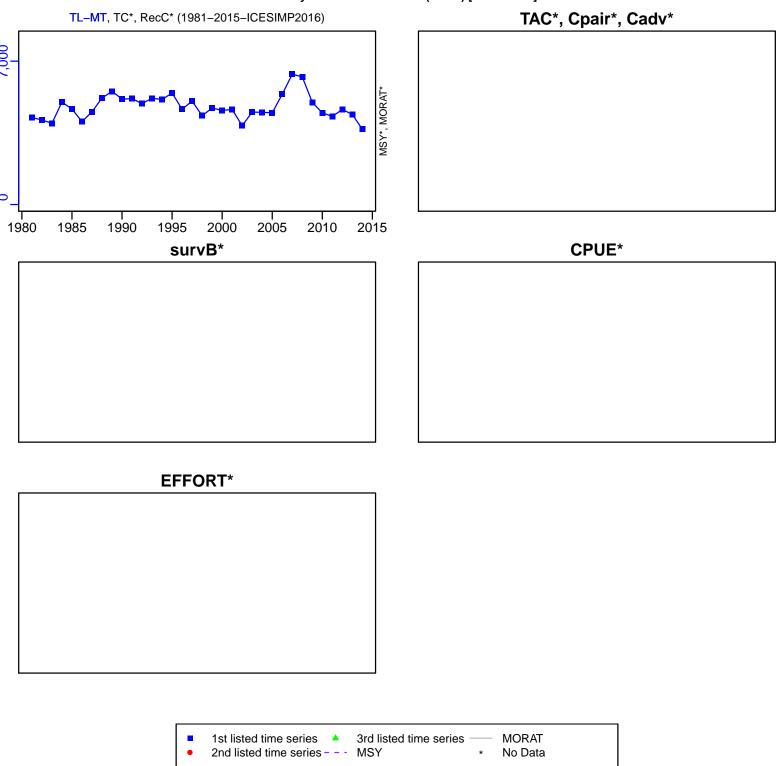
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.06	-	-
TC	-	-	-		
TL	TL-MT	2015	3160		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.47		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	J
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



Rec-Est No Data



# Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

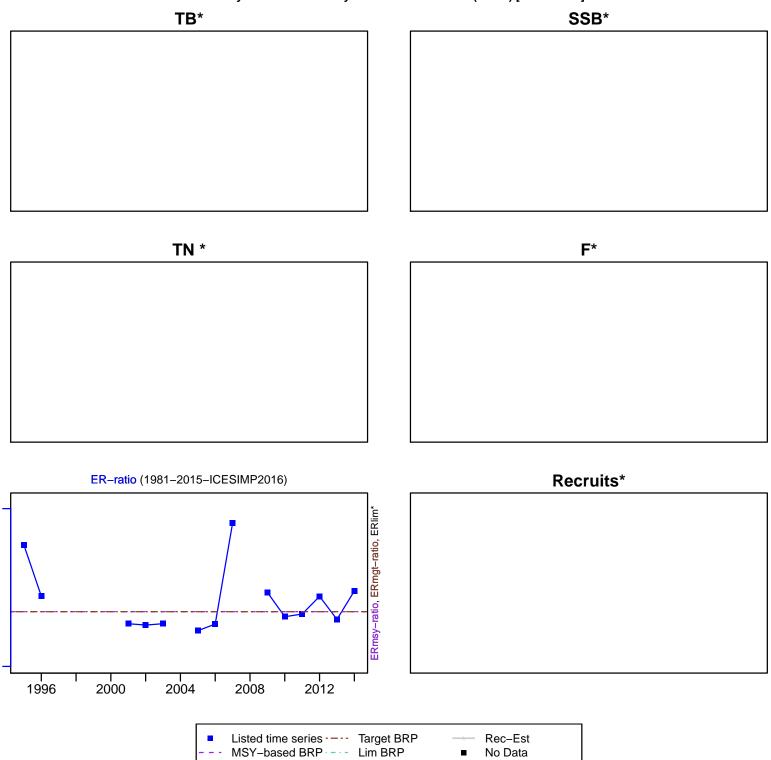
Metadata			
Scientific Name Nephrops norvegicus			
Current Assess ID	WGCSE-NEPHFU13-1981-2015-ICESIMP2016		
Area	Firth of Clyde and Sound of Jura (FU 13)		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2015		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2015	0.16	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2015	0.16	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	0.23	-	-
TC	-	-	-		
TL	TL-MT	2015	6190		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	1.38		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

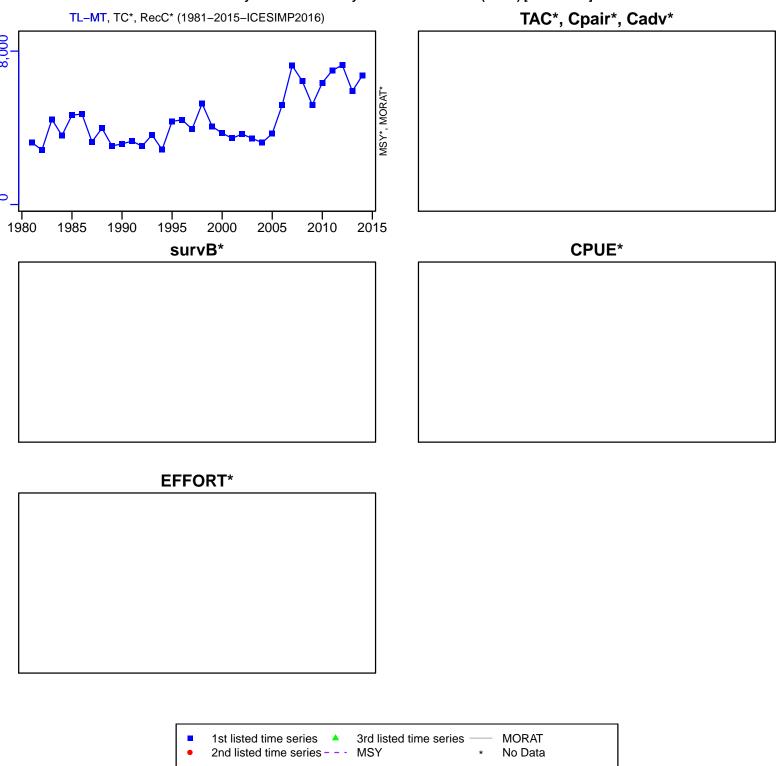
## Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

Kobe MGT*
Production*



No Data

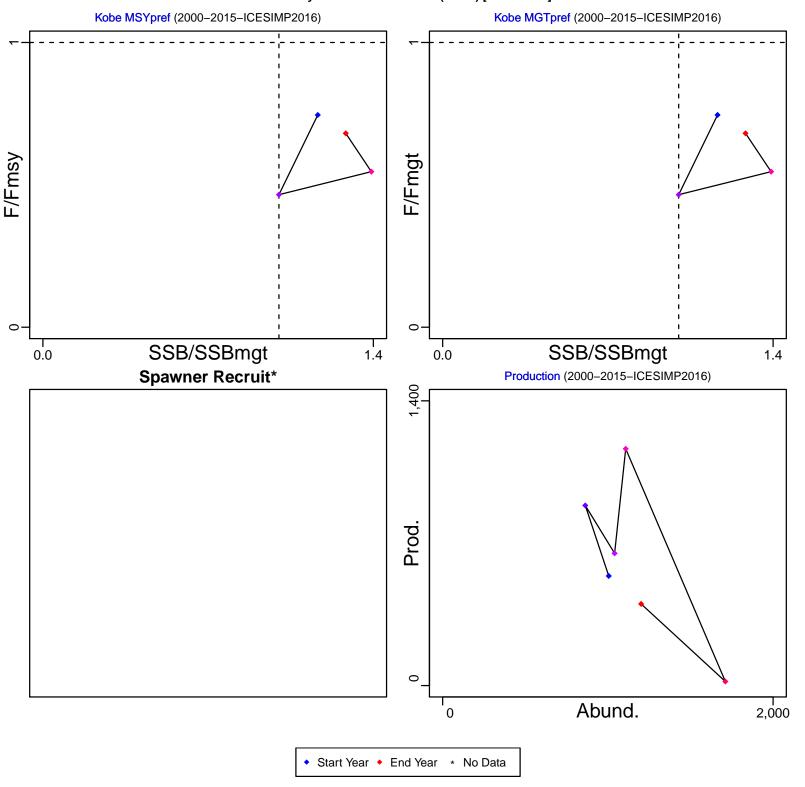
## Norway lobster Firth of Clyde and Sound of Jura (FU 13) [NEPHFU13]

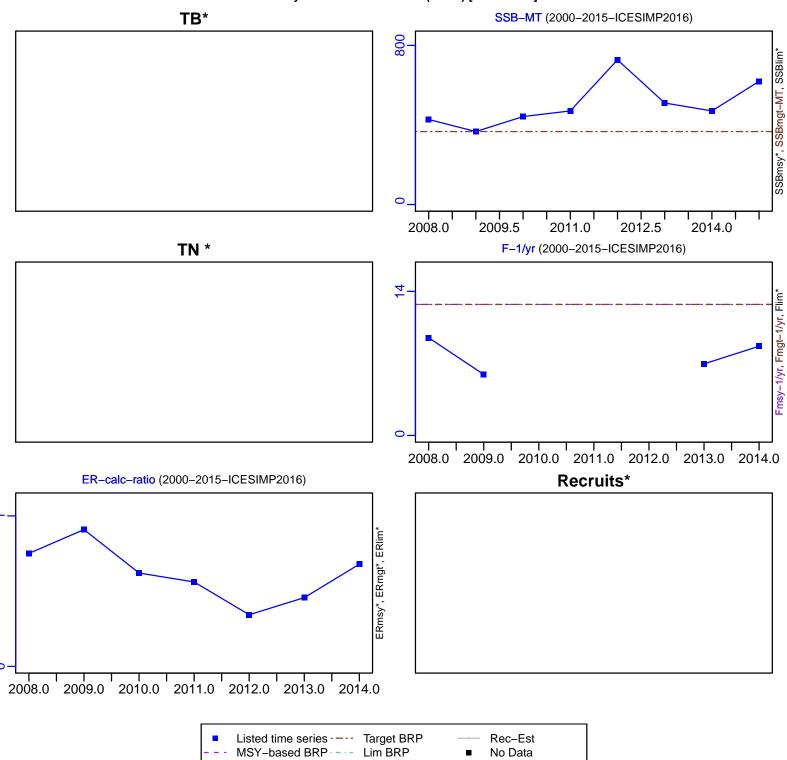


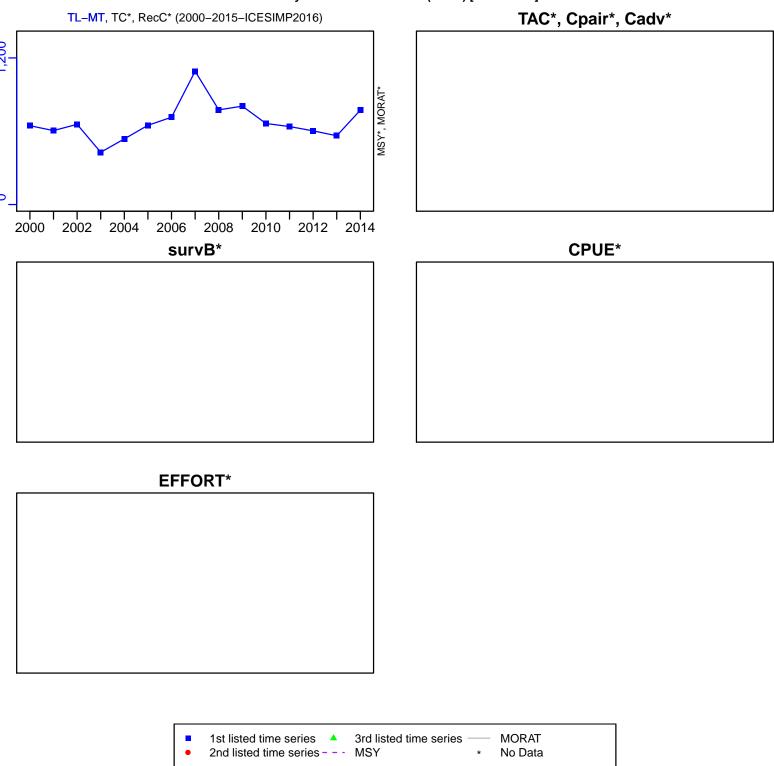
	Metadata
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU14-2000-2015-ICESIMP2016
Area	Irish Sea East (FU 14)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

	Reference	Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2015	11
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2015	350
Fmgt	Fmgt-1/yr	2015	11
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time	Series			
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2015	591	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	F-1/yr	2015	7.49	-	-
ER	ER-calc-ratio	2015	0.61	-	-
TC	-	-	-		
TL	TL-MT	2015	679		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.68		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.69		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.68		
ER/ERmgt	-	-	-		





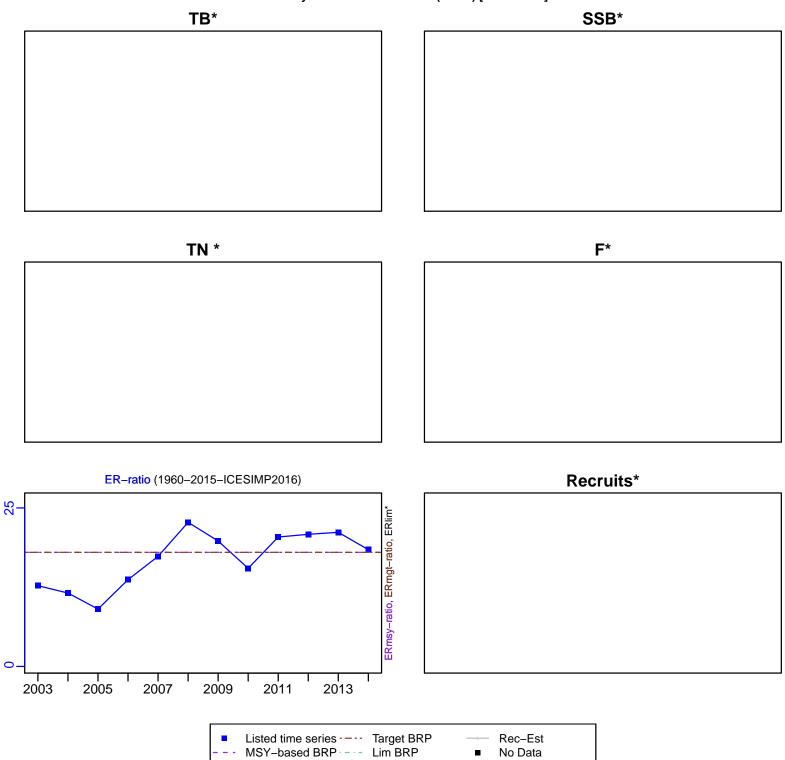


	Metadata
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU15-1960-2015-ICESIMP2016
Area	Irish Sea West (FU 15)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

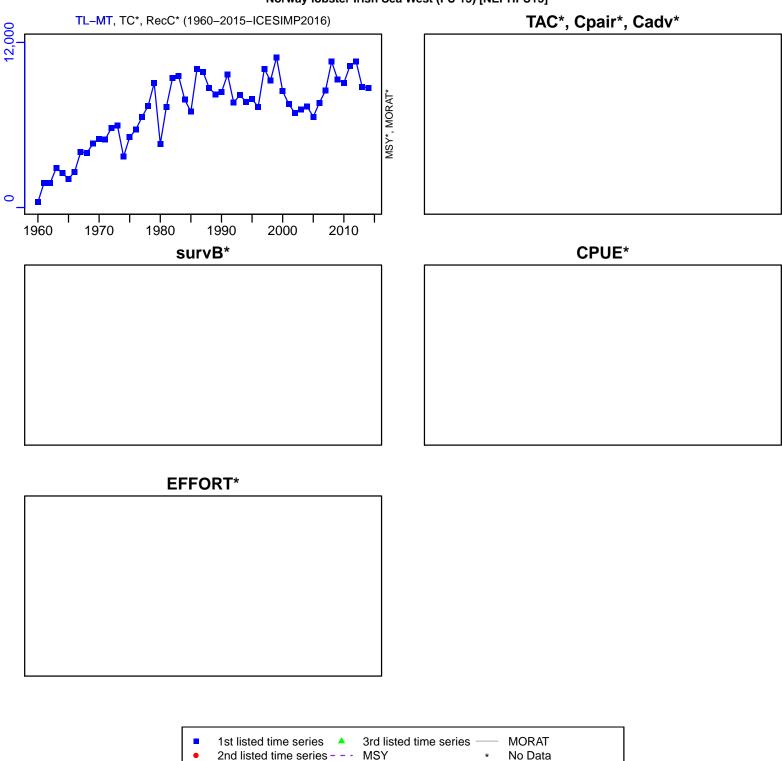
	Reference	Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	17.1
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	17.1
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

	Time	Series			
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	17.5	-	-
TC	-	-	-		
TL	TL-MT	2015	8610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	1.02		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
Spawner Necruit	
Spawner Necruit	Troduction
Spawner Recruit	



Rec-Est No Data



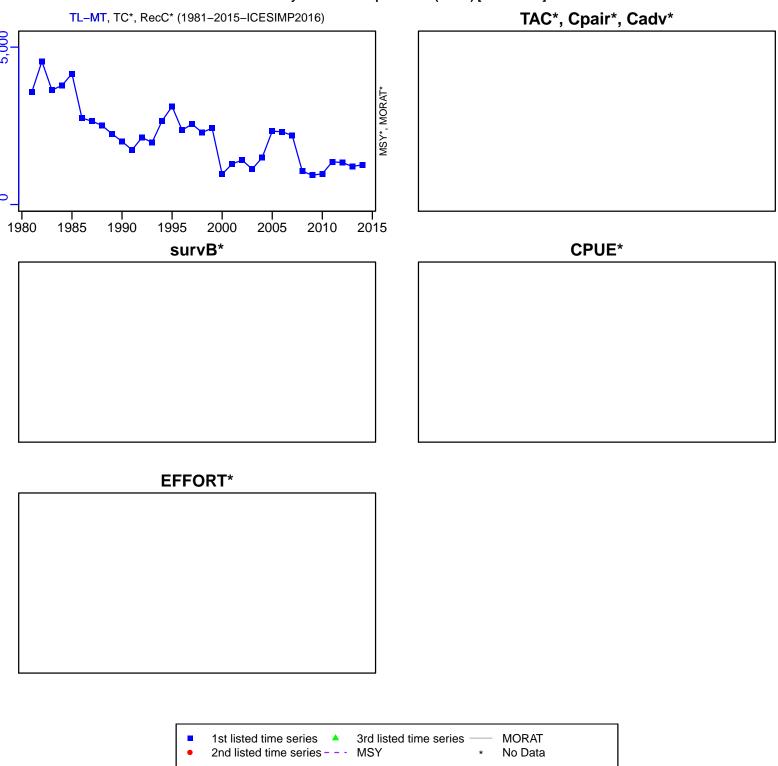
	Metadata
Scientific Name	Nephrops norvegicus
Current Assess ID	WGCSE-NEPHFU16-1981-2015-ICESIMP2016
Area	Porcupine Bank (FU 16)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on Celtic Seas Ecosystems
Asmts in RAM	2015

F	Refere	ence Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

		Time Series	1		
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	1190		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

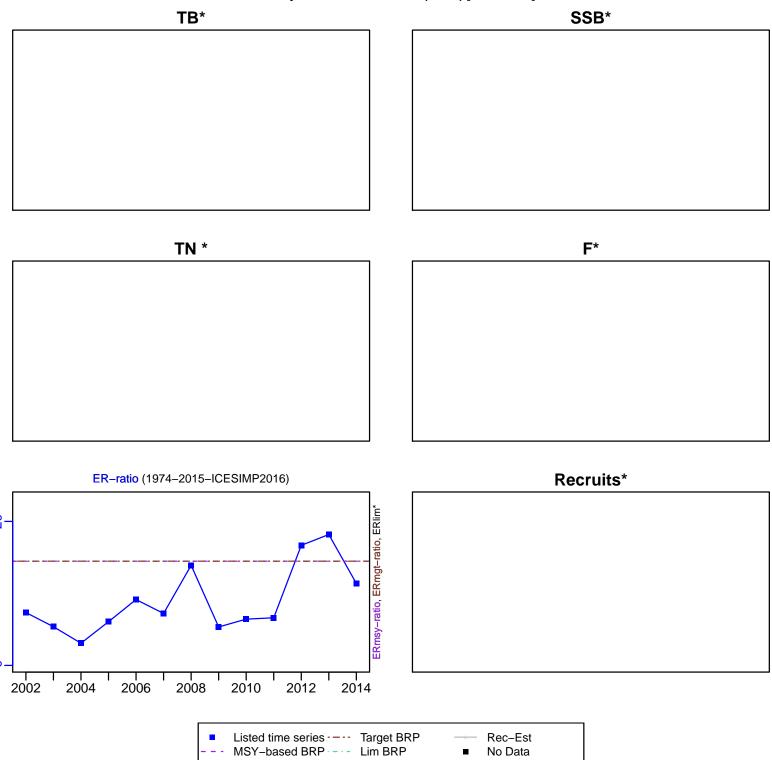


Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGCSE-NEPHFU17-1974-2015-ICESIMP2016	
Area	Aran Grounds (FU 17)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

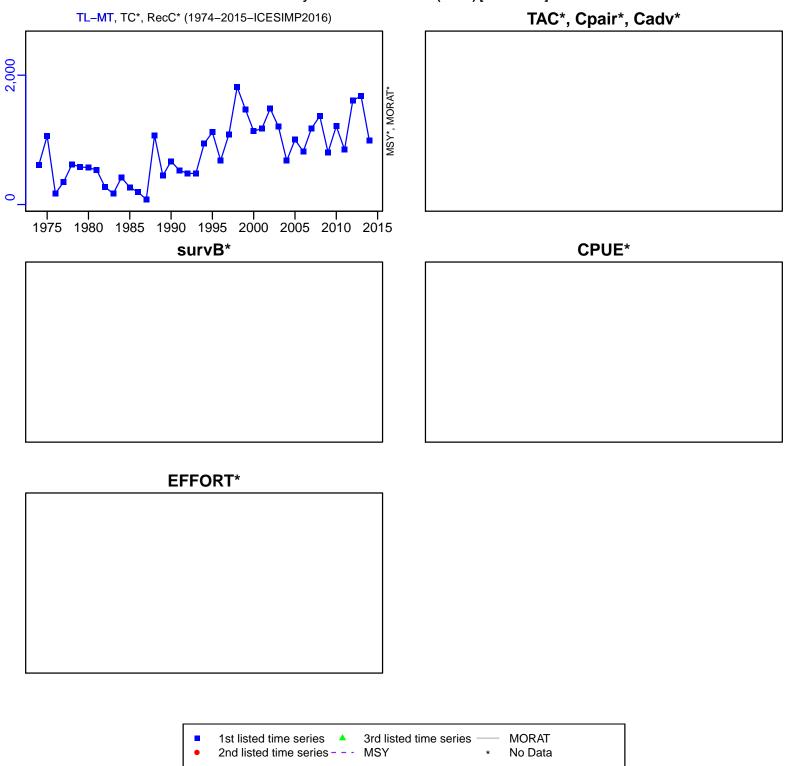
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	ERmsy-ratio	2015	12.5
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	ERmgt-ratio	2015	12.5
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	9.83	-	-
TC	-	-	-		
TL	TL-MT	2015	766		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.79		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*



Rec-Est No Data



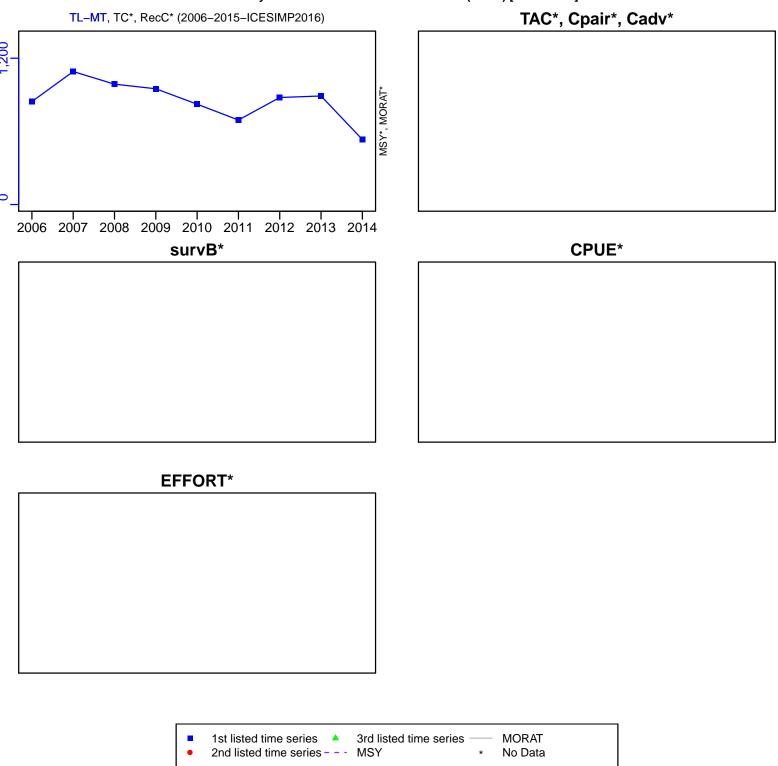
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGCSE-NEPHFU19-2006-2015-ICESIMP2016	
Area South East and West of IRL (FU 19)		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	468		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



# Norway lobster Labadie, Jones and Cockburn (FU 20-21) [NEPHFU2021]

Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGCSE-NEPHFU2021-1995-2015-ICESIMP2016	
Area	Labadie, Jones and Cockburn (FU 20-21)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

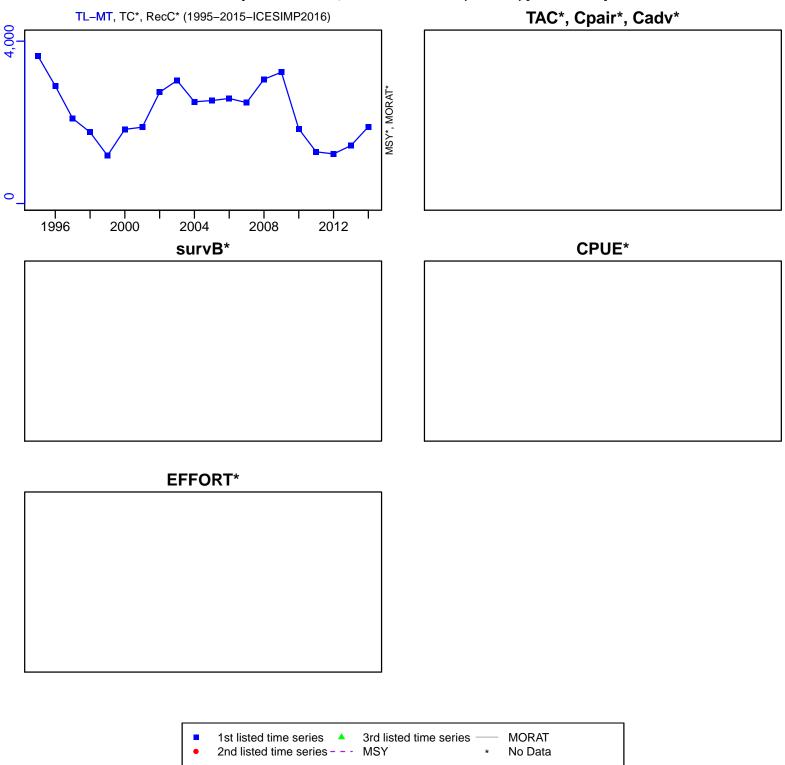
Reference Points			
Type	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	1840		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

Norway lobster Labadie, Jones and Cockburn (FU 20-21) [NEPHFU2021]

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data

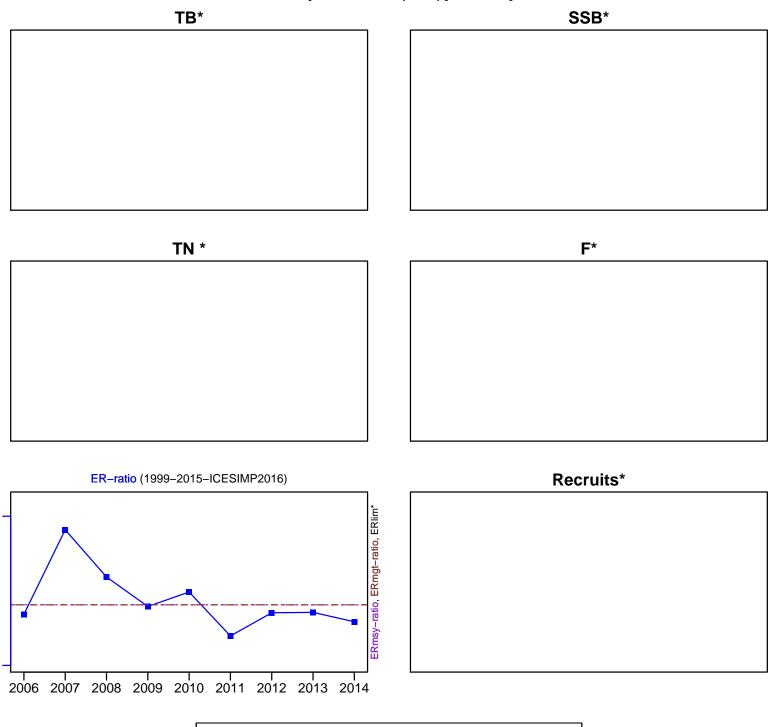


Metadata		
Scientific Name Nephrops norvegicus		
Current Assess ID WGCSE-NEPHFU22-1999-2015-ICESIMP2016		
Area Smalls (FU 22)		
Management Authority	Management Authority International Council for the Exploration of the Se	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM 2015		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2015	10.9	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2015	10.9	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

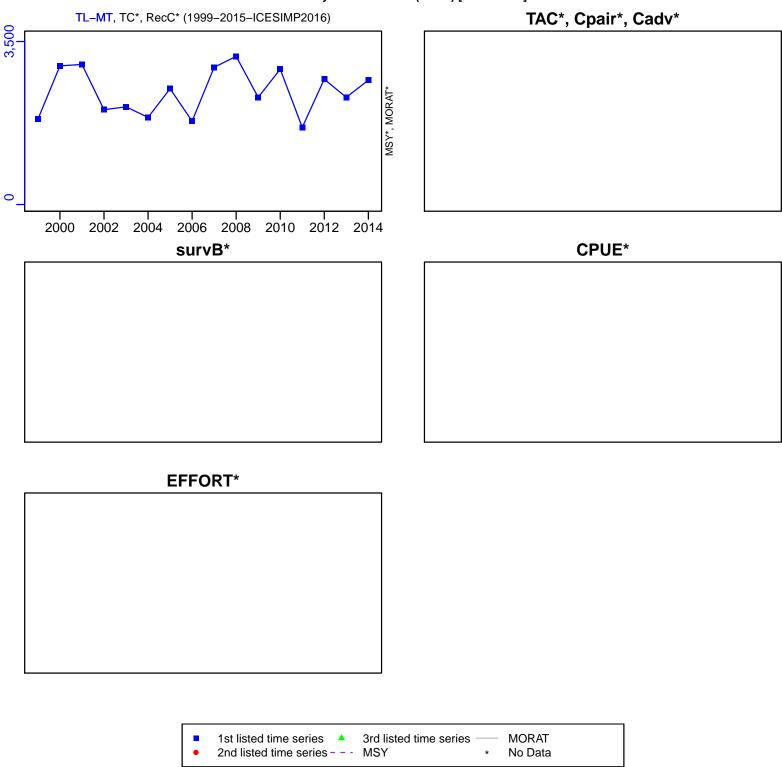
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2015	7.85	-	-
TC	-	-	-		
TL	TL-MT	2015	2610		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2015	0.72		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*



Rec-Est No Data

Listed time series ---- Target BRP MSY-based BRP ---- Lim BRP



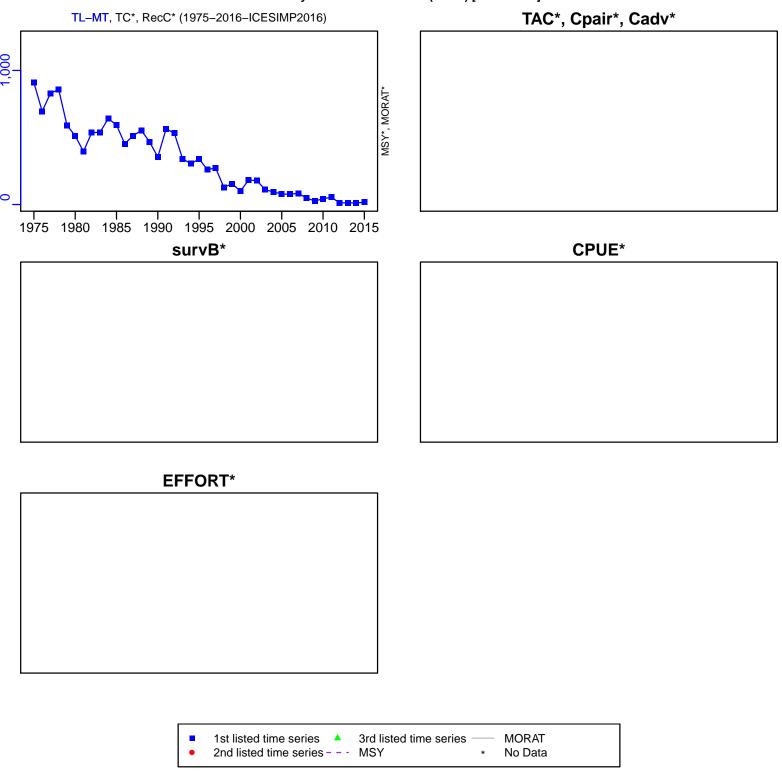
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGBIE-NEPHFU25-1975-2016-ICESIMP2016	
Area North Galicia (FU 25)		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM 2016		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	14		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data



# Norway lobster West Galicia and North Portugal (FU 26-27) [NEPHFU2627]

Metadata				
Scientific Name	Nephrops norvegicus			
Current Assess ID	WGBIE-NEPHFU2627-1975-2016-ICESIMP2016			
Area	West Galicia and North Portugal (FU 26-27)			
Management Authority	International Council for the Exploration of the Sea			
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoreg			
Asmts in RAM	2016			

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

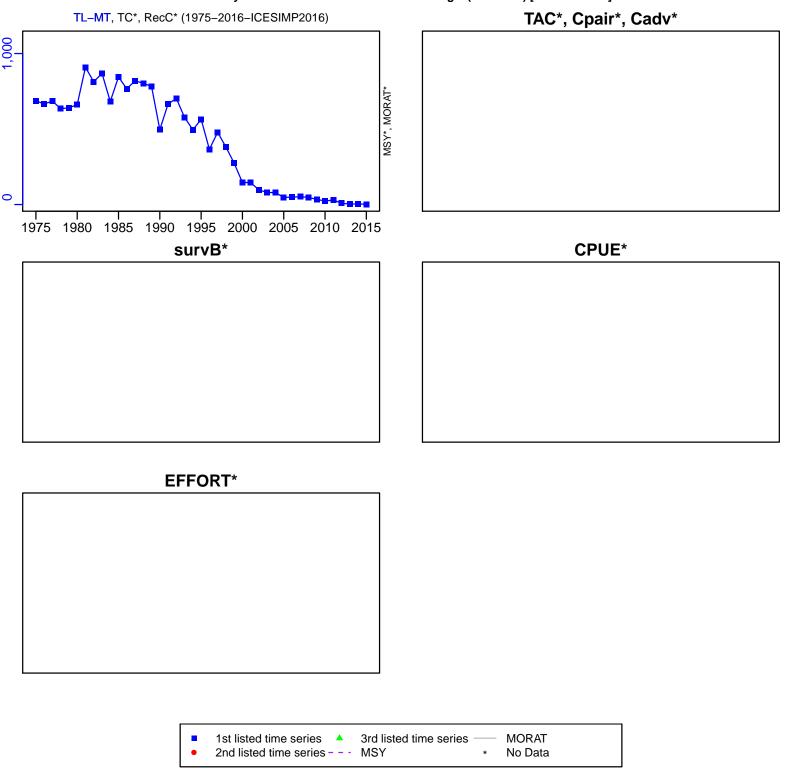
Time Series								
Туре	ID	Asmt Year	Curr Value	Sex	Age			
ТВ	-	-	-	-	-			
SSB	-	-	-	-	-			
TN	-	-	-	-	-			
R	-	-	-	-	-			
F	-	-	-	-	-			
ER	-	-	-	-	-			
TC	-	-	-					
TL	TL-MT	2016	2					
TB/TBmsy	-	-	-					
SSB/SSBmsy	-	-	-					
F/Fmsy	-	-	-					
ER/ERmsy	-	-	-					
TB/TBmgt	-	-	-					
SSB/SSBmgt	-	-	-					
F/Fmgt	-	-	-					
ER/ERmgt	-	-	-					

Norway lobster West Galicia and North Portugal (FU 26-27) [NEPHFU2627]

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

Norway lobster West Galicia and North Portugal (FU 26–27) [NEPHFU2627]

TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



# Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]

Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGBIE-NEPHFU2829-1984-2016-ICESIMP2016	
Area	South-West and South Portugal (FU 28-29)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2016	

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

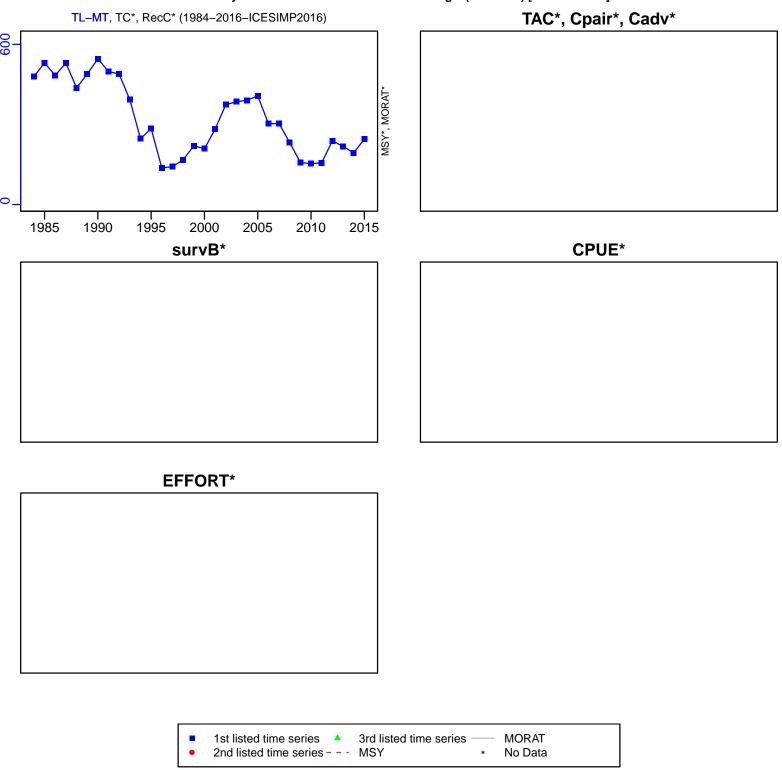
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	235		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

Norway lobster South-West and South Portugal (FU 28-29) [NEPHFU2829]

TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



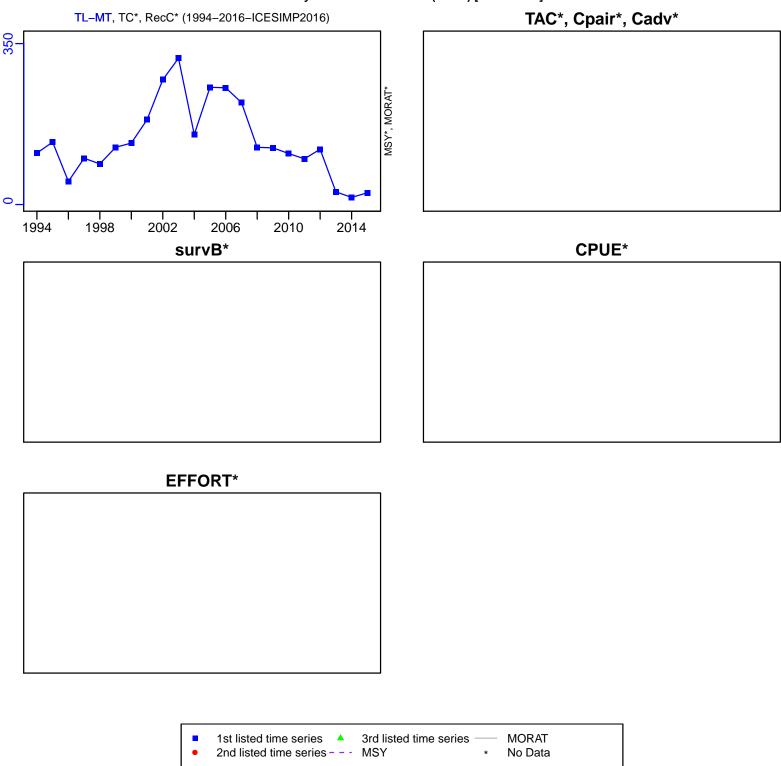
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGBIE-NEPHFU30-1994-2016-ICESIMP2016	
Area	Gulf of Cadiz (FU 30)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	3350		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

TB*	SSB*
Th! *	<b>-</b> +
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	
	arget BRP Rec-Est



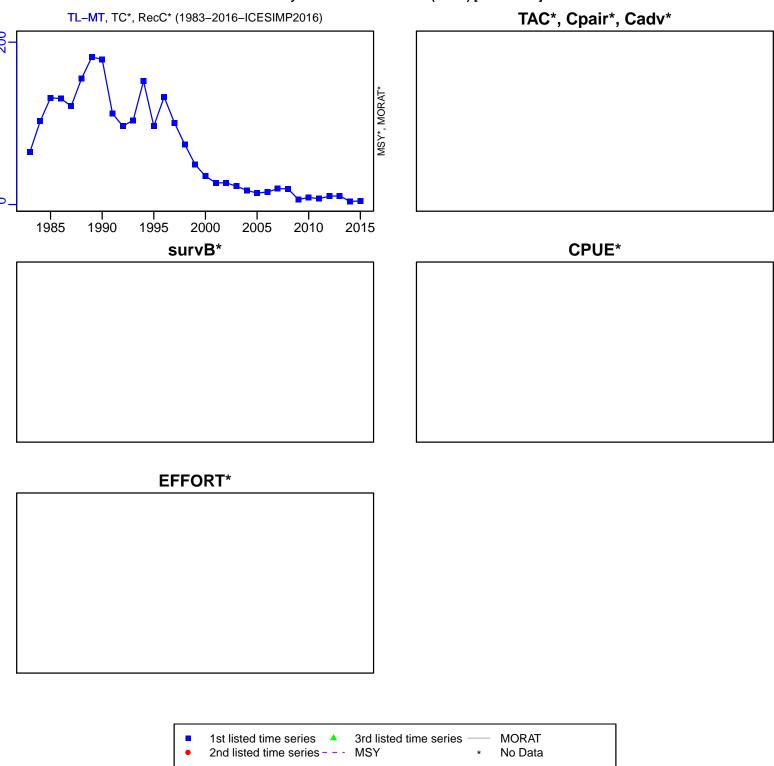
Metadata			
Scientific Name Nephrops norvegicus			
Current Assess ID WGBIE-NEPHFU31-1983-2016-ICESIMP2016			
Area Cantabrian Sea (FU 31)			
Management Authority International Council for the Exploration of the Sea			
Assessor Working Group for the Bay of Biscay and the Iberian Waters Ecore			
Asmts in RAM 2016			

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	25		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	<b>.</b>
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



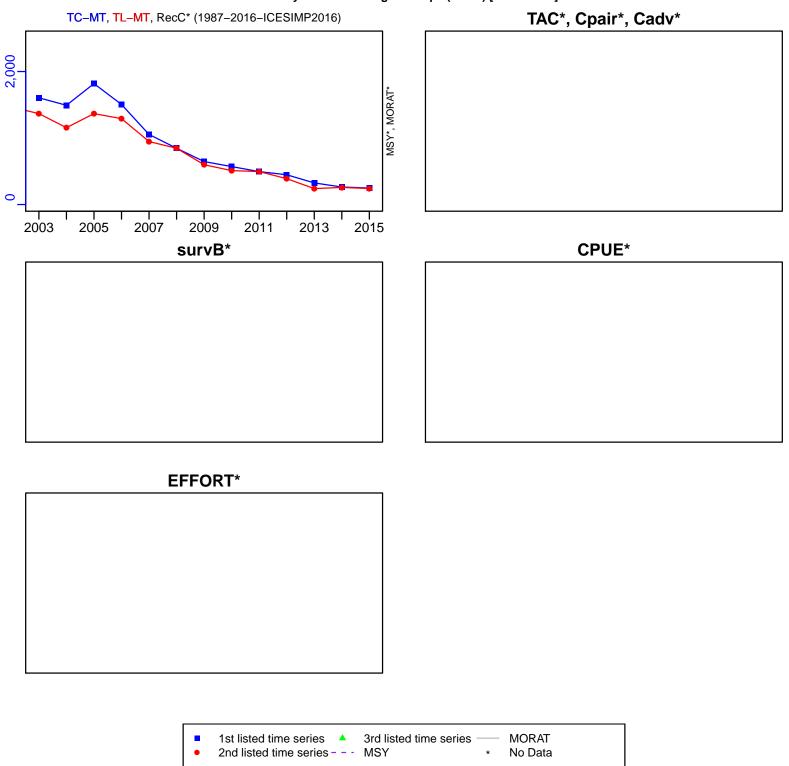
Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID WGNSSK-NEPHFU32-1987-2016-ICESIMP2016			
Area Norwegian Deeps (FU 32)			
Management Authority International Council for the Exploration of the Sea			
Assessor Working Group on the Assessment of Demersal Stocks in the North Science 1985.			
	and Skagerrak		
Asmts in RAM	2016		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	4		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
Γ	
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data



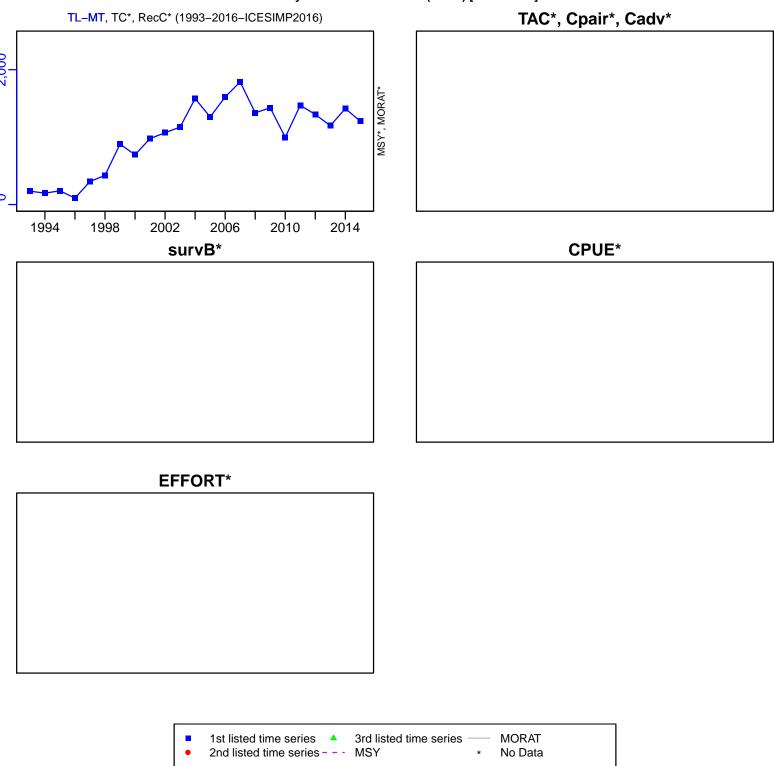
Metadata			
Scientific Name Nephrops norvegicus			
Current Assess ID WGNSSK-NEPHFU33-1993-2016-ICESIMP2016			
Area Off Horn Reef (FU 33)			
Management Authority International Council for the Exploration of the Sea			
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak		
Asmts in RAM	2016		

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

		Time Series			
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	198		
TL	TL-MT	2016	192		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MGT*
Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
· MSY-based BRP · - · · Li	m BRP ■ No Data



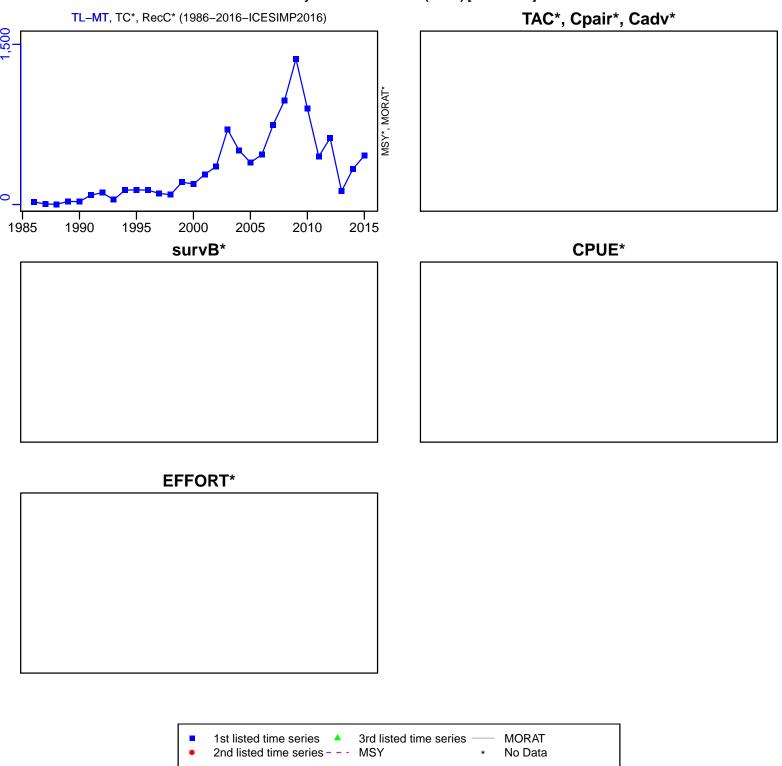
	Metadata
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU34-1986-2016-ICESIMP2016
Area	Devil's Hole (FU 34)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
Asmts in RAM	2016

F	Refere	ence Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

		Time Series	1		
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
Spawner Necruit	
Spawner Necruit	Troduction
Spawner Recruit	

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



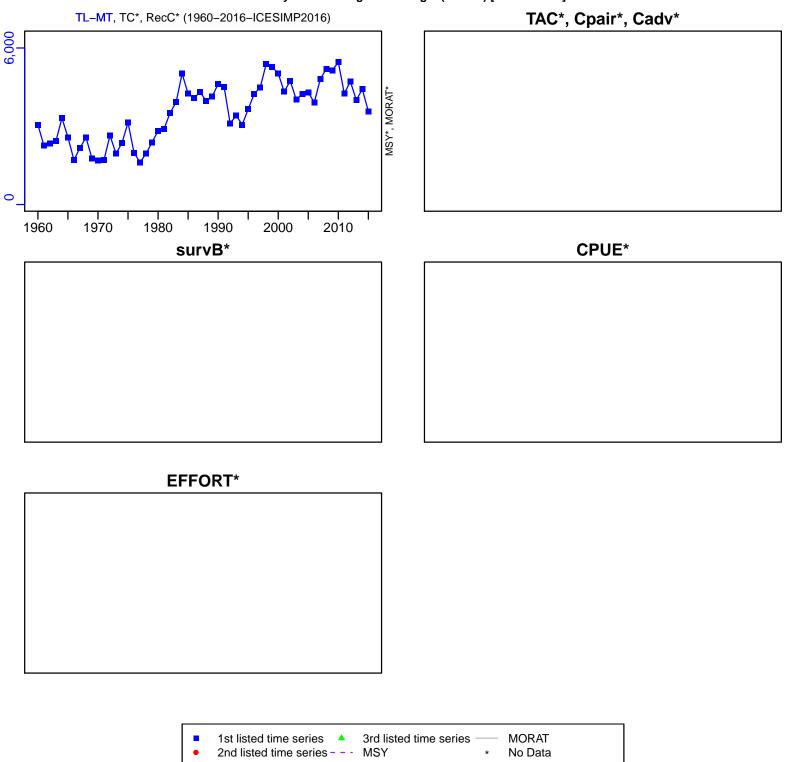
	Metadata
Scientific Name	Nephrops norvegicus
Current Assess ID	WGNSSK-NEPHFU3-4-1960-2016-ICESIMP2016
Area	Skagerak Kattegat (FU 3-4)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea
	and Skagerrak
Asmts in RAM	2016, 2015

F	Refere	ence Points	
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

		Time Series	1		
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	439		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data



# Norway lobster Botney Cut - Silver Pit (FU 5) [NEPHFU5]

Metadata			
Scientific Name	Nephrops norvegicus		
Current Assess ID	WGNSSK-NEPHFU5-1991-2016-ICESIMP2016		
Area	Botney Cut - Silver Pit(FU 5)		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak		
Asmts in RAM	2016		

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					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1520		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

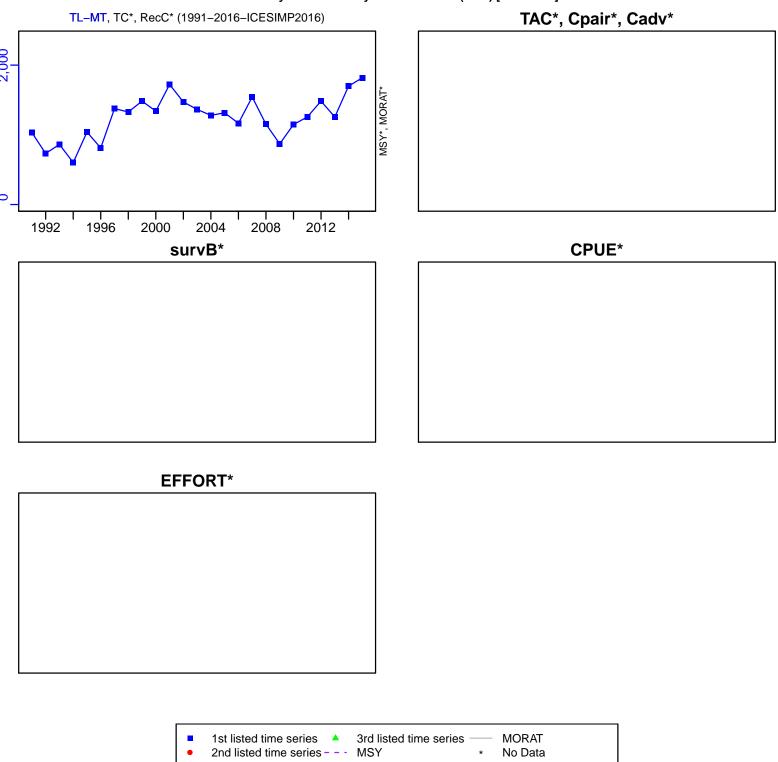
## Norway lobster Botney Cut – Silver Pit (FU 5) [NEPHFU5]

Kobe MGT*
Production*

## Norway lobster Botney Cut – Silver Pit (FU 5) [NEPHFU5]

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

#### Norway lobster Botney Cut - Silver Pit (FU 5) [NEPHFU5]



# Norway lobster Farn Deeps (FU 6) [NEPHFU6]

Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGNSSK-NEPHFU6-1981-2016-ICESIMP2016	
Area	Farn Deeps (FU 6)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak	
Asmts in RAM	2015, 2016	

Reference Points				
Туре	ID	Value		
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2016	0.08	
TBmgt	-	-		
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2016	0.08	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

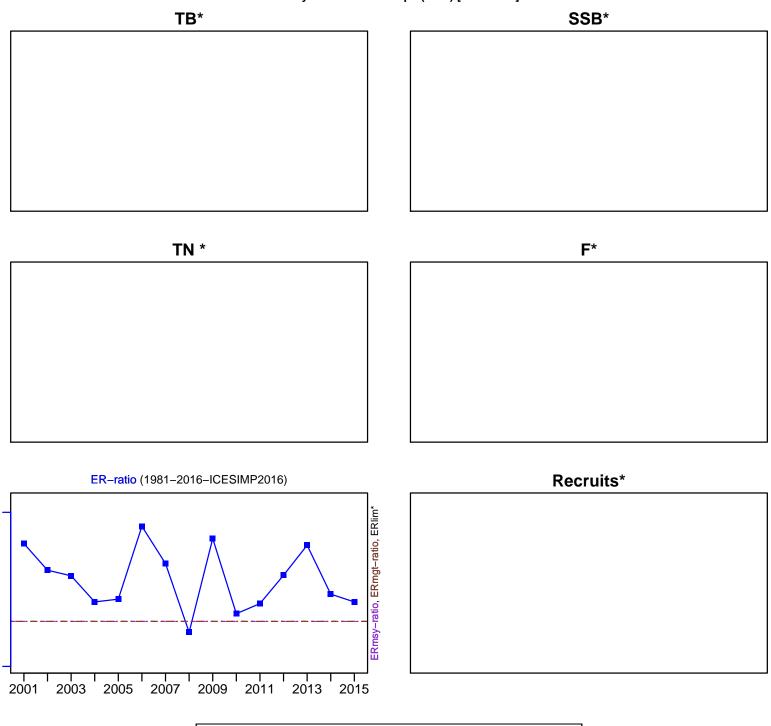
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.12	-	-
TC	-	-	-		•
TL	TL-MT	2016	1370		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	1.44		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

# Norway lobster Farn Deeps (FU 6) [NEPHFU6]

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

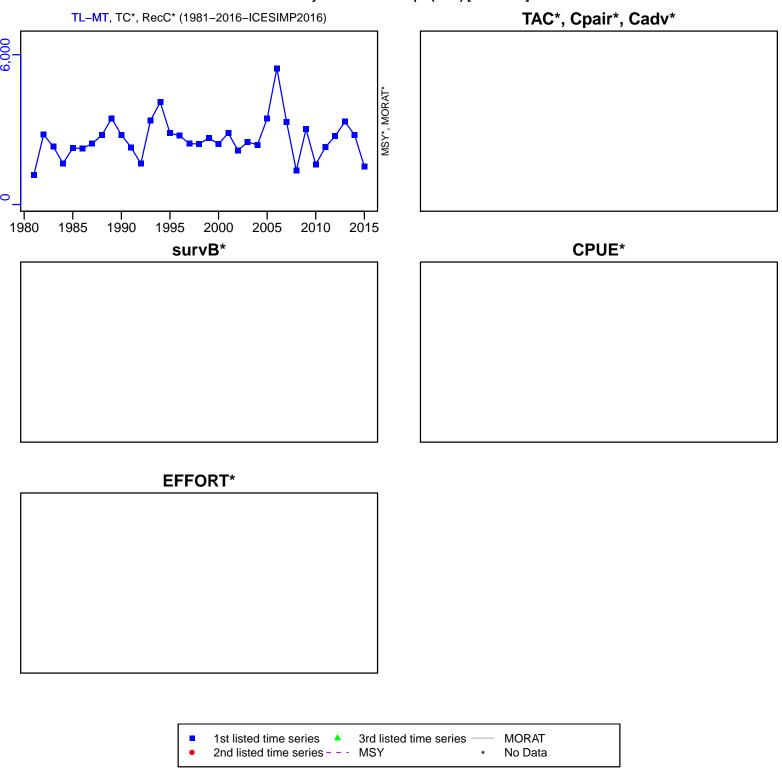
### Norway lobster Farn Deeps (FU 6) [NEPHFU6]



Rec-Est No Data

Listed time series ---- Target BRP MSY-based BRP ---- Lim BRP

#### Norway lobster Farn Deeps (FU 6) [NEPHFU6]



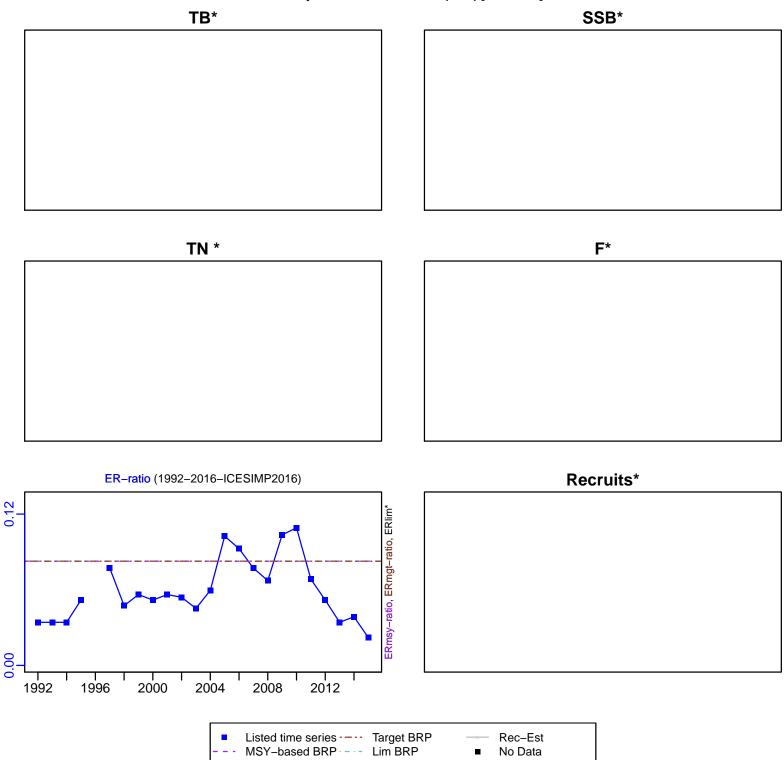
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGNSSK-NEPHFU7-1992-2016-ICESIMP2016	
Area	Fladen Ground (FU 7)	
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak	
Asmts in RAM	2015, 2016	

Reference Points				
Туре	Value			
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2016	0.08	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2016	0.08	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

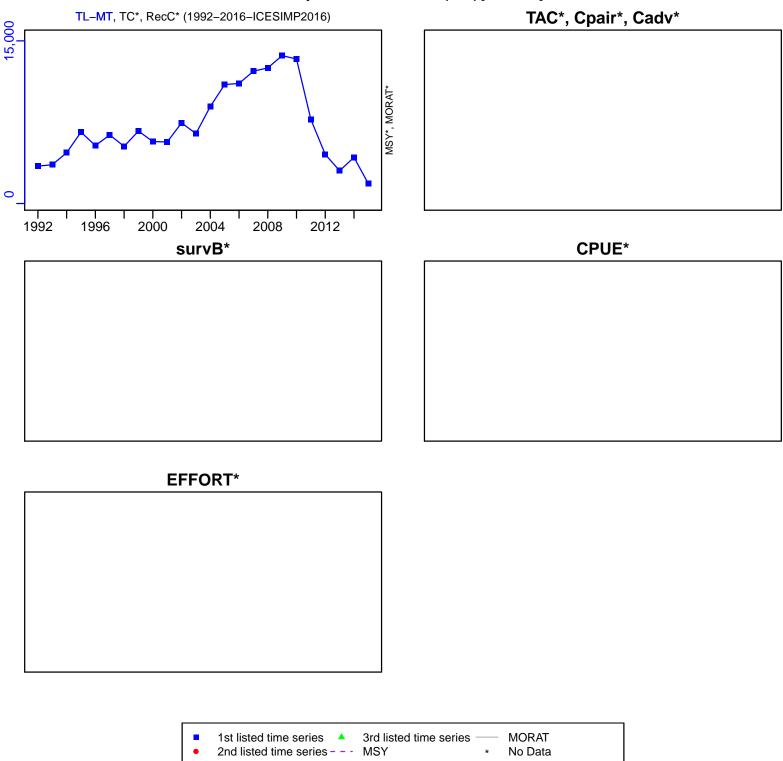
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.02	-	-
TC	-	-	-		
TL	TL-MT	2016	1790		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	0.27		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



No Data



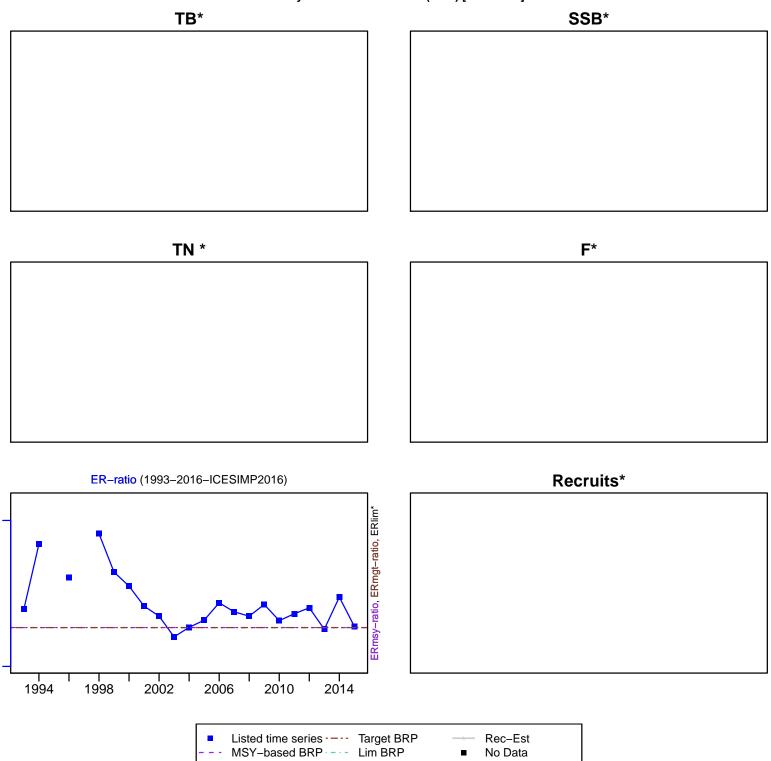
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGNSSK-NEPHFU8-1993-2016-ICESIMP2016	
Area	Firth of Forth (FU 8)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2015, 2016	

Reference Points				
Туре	Value			
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	ERmsy-ratio	2016	0.16	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	ERmgt-ratio	2016	0.16	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

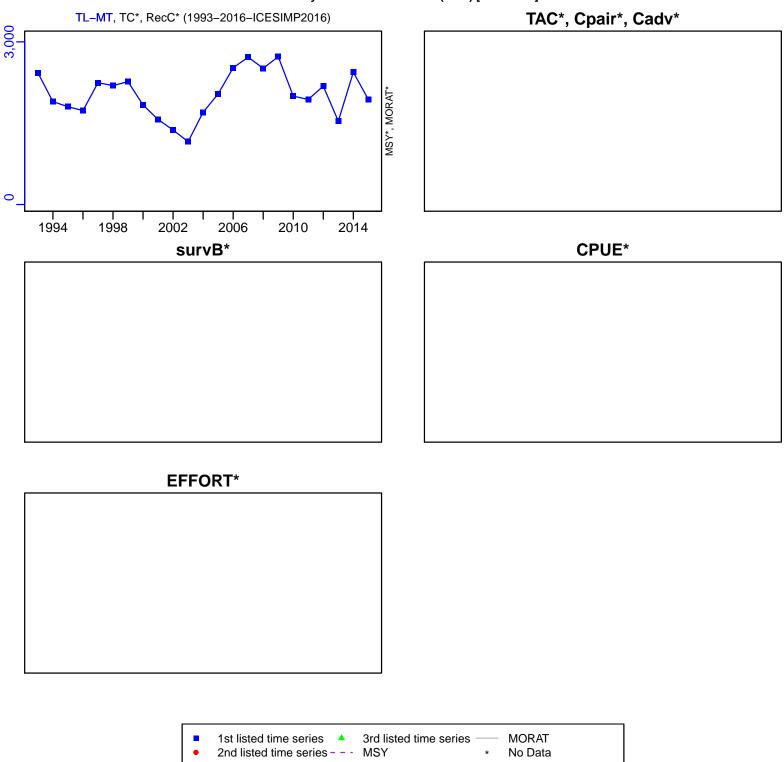
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.17	-	-
TC	-	-	-		
TL	TL-MT	2016	1890		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	1.03		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



Rec-Est No Data



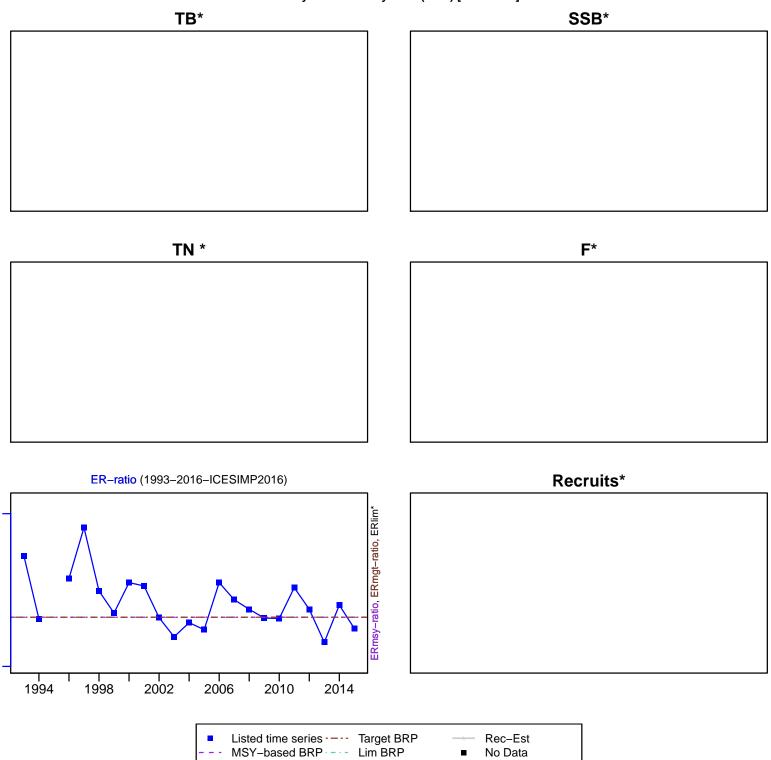
Metadata		
Scientific Name	Nephrops norvegicus	
Current Assess ID	WGNSSK-NEPHFU9-1993-2016-ICESIMP2016	
Area	Moray Firth (FU 9)	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak	
Asmts in RAM	2015, 2016	

Reference Points					
Type ID Asmt Year Va					
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2016	0.12		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	ERmgt-ratio	2016	0.12		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

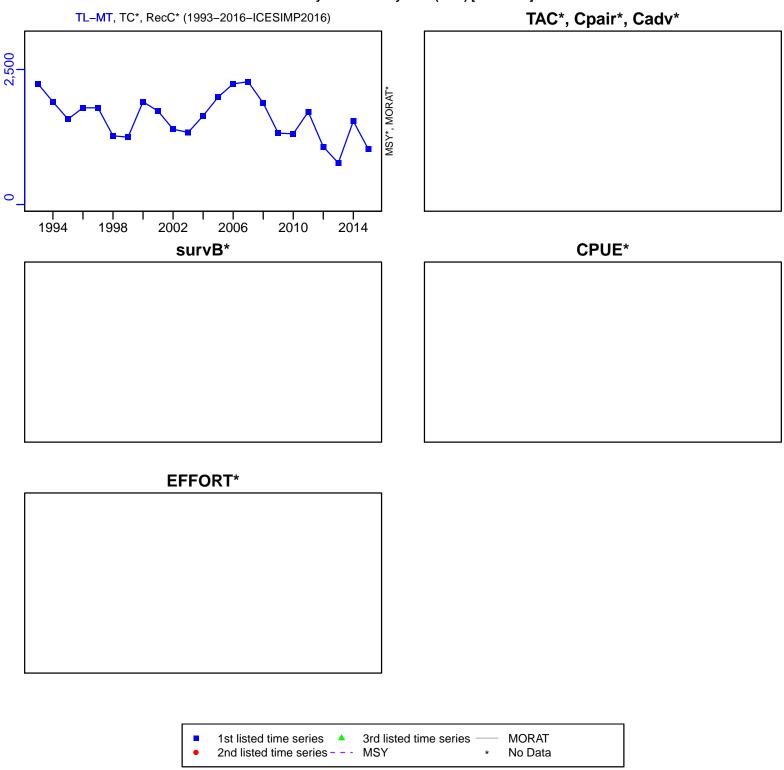
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	ER-ratio	2016	0.09	-	-
TC	-	-	-		
TL	TL-MT	2016	830		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2016	0.77		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data



Rec-Est No Data

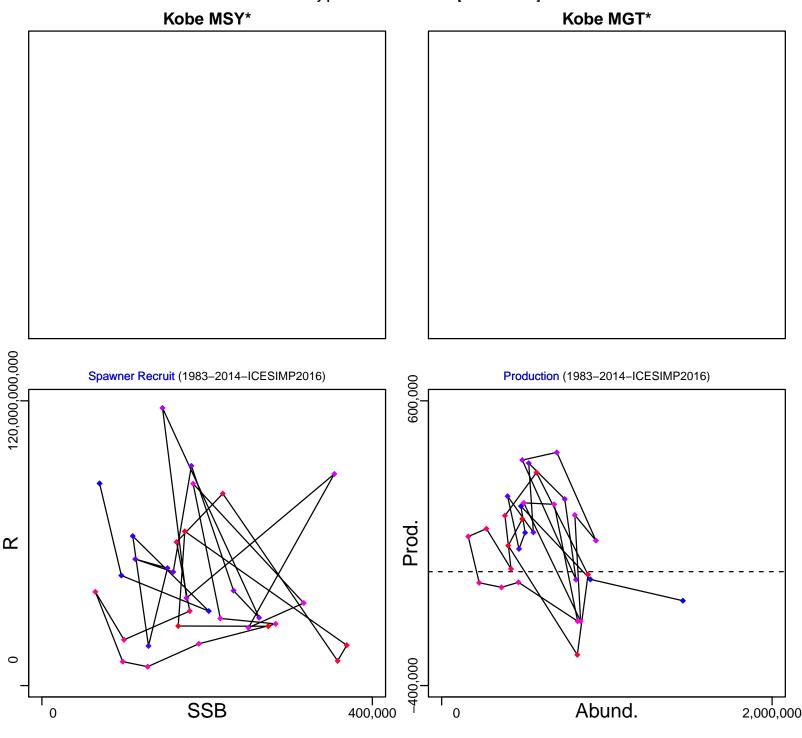


# Norway pout Illa and North Sea [NPOUTIlla-IV]

Metadata			
Scientific Name	Trisopterus esmarkii		
Current Assess ID	WGNSSK-NPOUTIIIa-IV-1983-2014-ICESIMP2016		
Area	Illa and North Sea		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak		
Asmts in RAM	2011, 2013, 2014		

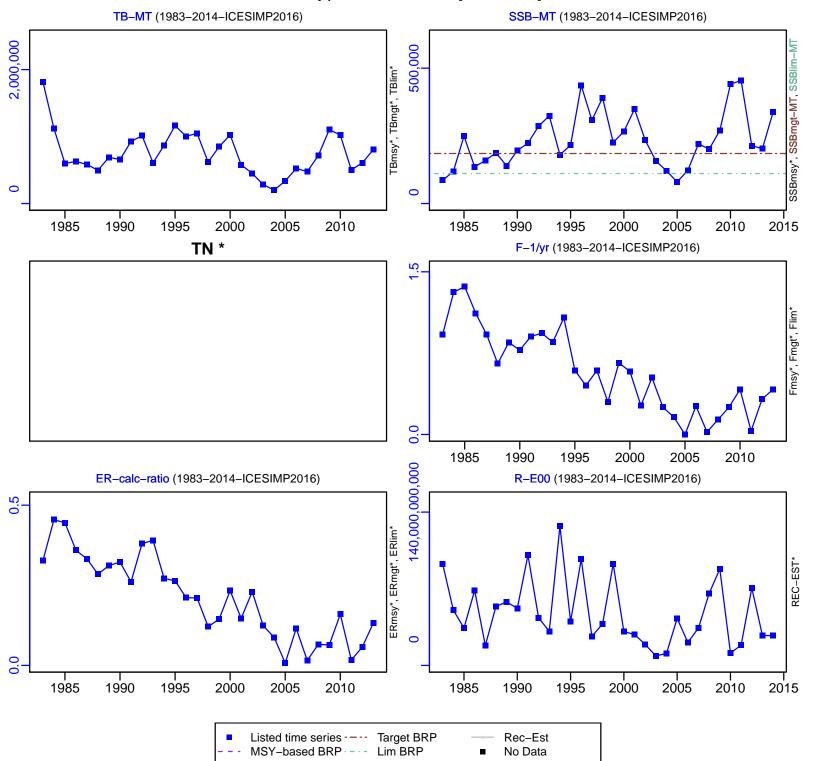
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2014	150,000		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	TBlim-MT	2011	$1 \times 10^5$		
SSBlim	SSBlim-MT	2014	90,000		
Flim	-	-	-		
ERlim	-	-	-		

Time Series							
Туре	ID	ID Asmt Year Curr Value					
ТВ	TB-MT	2014	646,000	-	-		
SSB	SSB-MT	2014	274,000	-	-		
TN	-	-	-	-	-		
R	R-E00	2014	$2.5 \times 10^{10}$	-	0		
F	F-1/yr	2014	0.41	-	1 to 2		
ER	ER-calc-ratio	2014	0.13	-	-		
TC	-	-	-				
TL	TL-MT	2014	82,100	1			
TB/TBmsy	-	-	-	1			
SSB/SSBmsy	-	-	-				
F/Fmsy	-	-	-	]			
ER/ERmsy	-	-	-				
TB/TBmgt	-	-	-	]			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	1.83	]			
F/Fmgt	-	-	-				
ER/ERmgt	-	-	-	]			

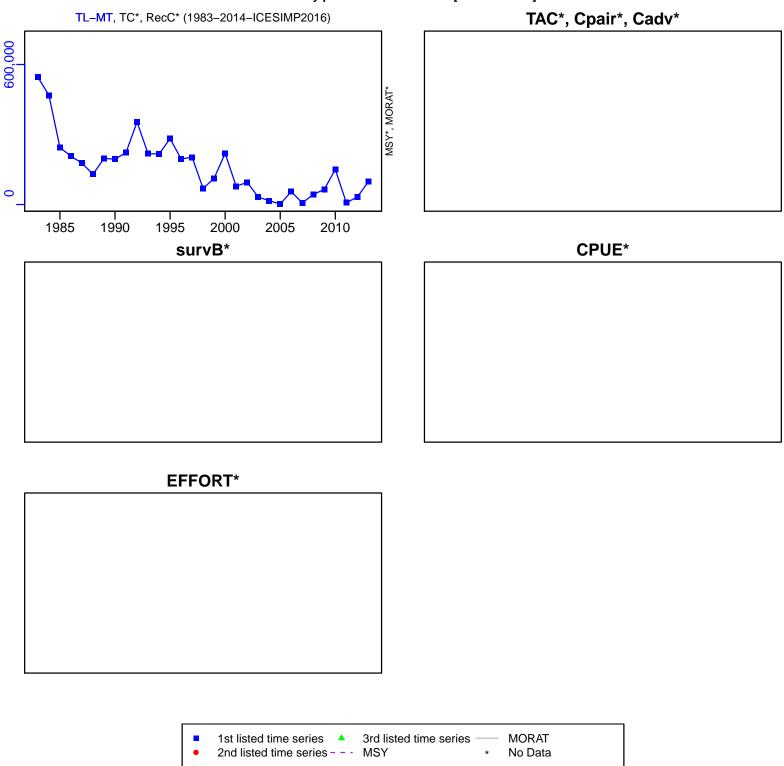


Start Year • End Year • No Data

#### Norway pout Illa and North Sea [NPOUTIlla-IV]



# Norway pout Illa and North Sea [NPOUTIlla-IV]



Metadata			
Scientific Name	Hoplostethus atlanticus		
Current Assess ID	WGDEEP-OROUGHYNEATL-1988-2016-ICESIMP2016		
Area Northeast Atlantic			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources		
Asmts in RAM	2016		

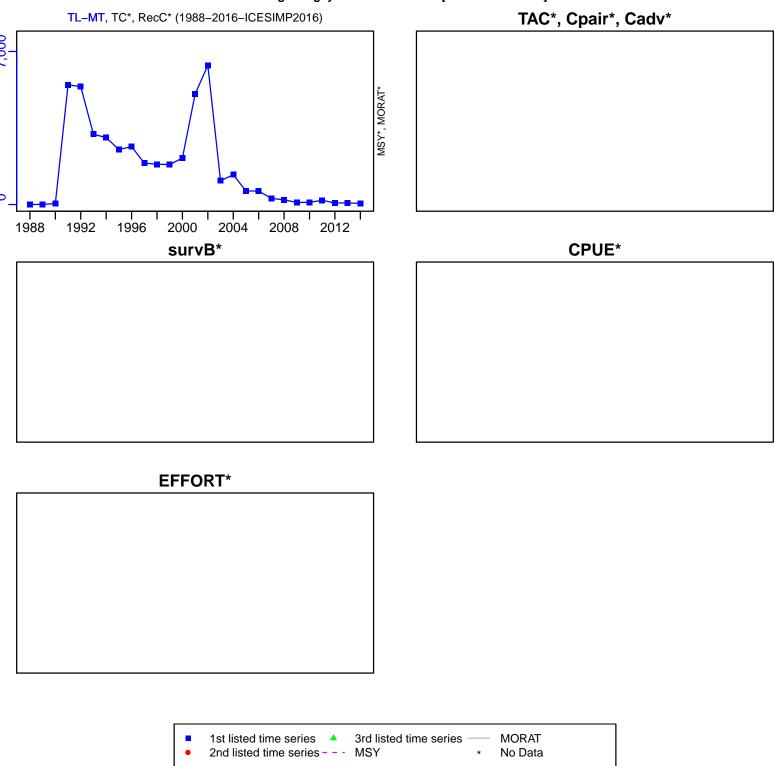
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2016	48			
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

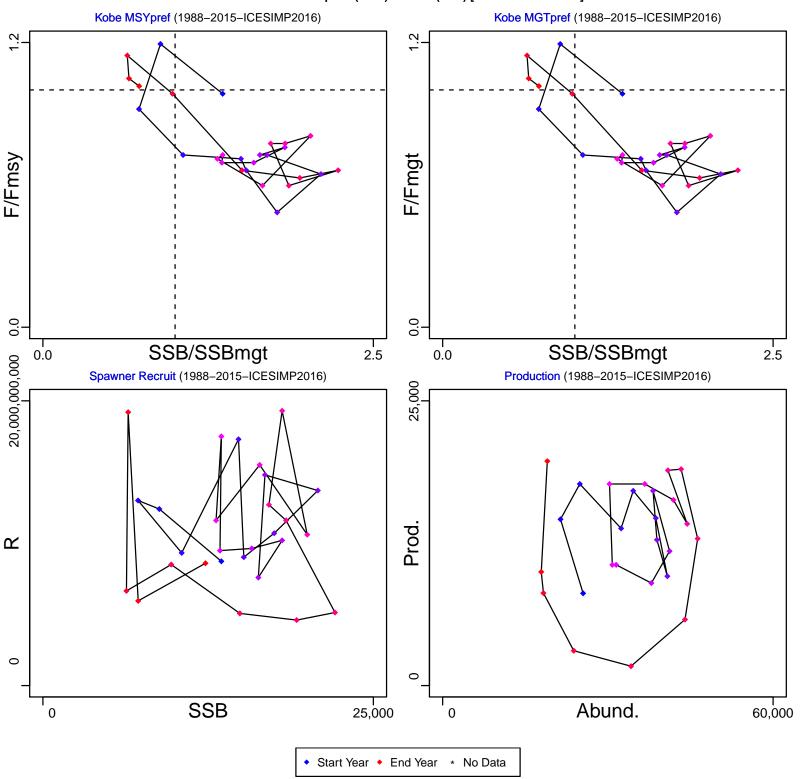
TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

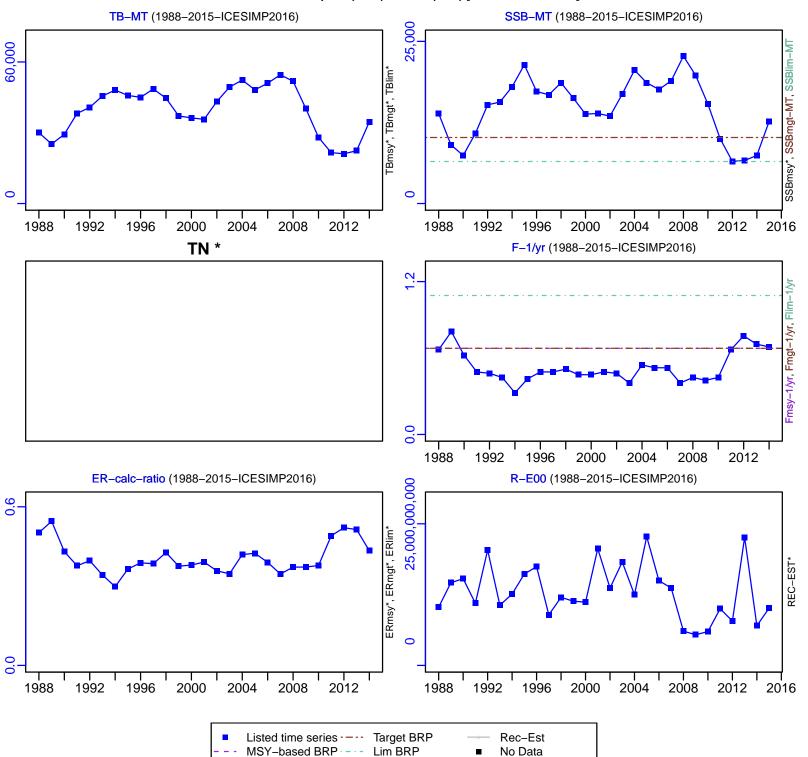


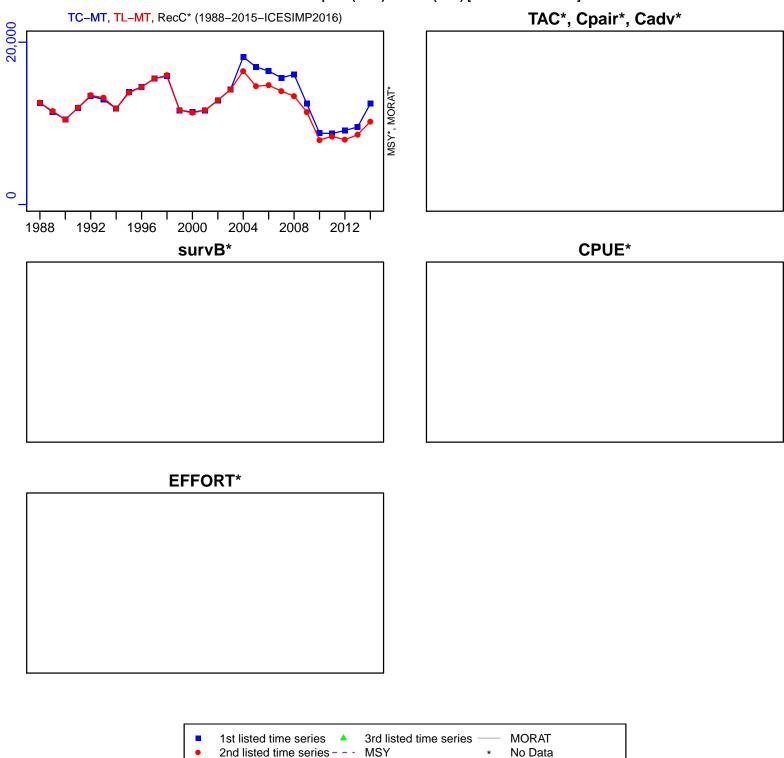
Metadata			
Scientific Name	Pandalus borealis		
Current Assess ID	NIPAG-PANDALIIIaW-IVaE-1988-2015-ICESIMP2016		
Area IIIa (west) and IVa (east)			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group		
Asmts in RAM	2013, 2014, 2015		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2015	0.62		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2015	9900		
Fmgt	Fmgt-1/yr	2015	0.62		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2015	6300		
Flim	Flim-1/yr	2015	1		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	29,400	-	-
SSB	SSB-MT	2015	12,300	-	-
TN	-	-	-	-	-
R	R-E00	2015	$8.59 \times 10^{9}$	-	0
F	F-1/yr	2015	0.63	-	1 to 3
ER	ER-calc-ratio	2015	0.41	-	-
TC	TC-MT	2015	12,100		
TL	TL-MT	2015	9950		
TB/TBmsy	-	-	-		
SSB/SSBmsy	SSBdivSSBmsy-dimensionless	2014	1.1		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	1.02		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2015	1.24		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.02		
ER/ERmgt	-	-	-		







Metadata			
Scientific Name Pandalus borealis			
Current Assess ID NIPAG-PANDALIVa-1970-2015-ICESIMP2016			
Area Northern North Sea			
Management Authority International Council for the Exploration of the Sea			
Assessor	Joint NAFO and ICES Pandalus Assessment Working Group		
Asmts in RAM	2015		

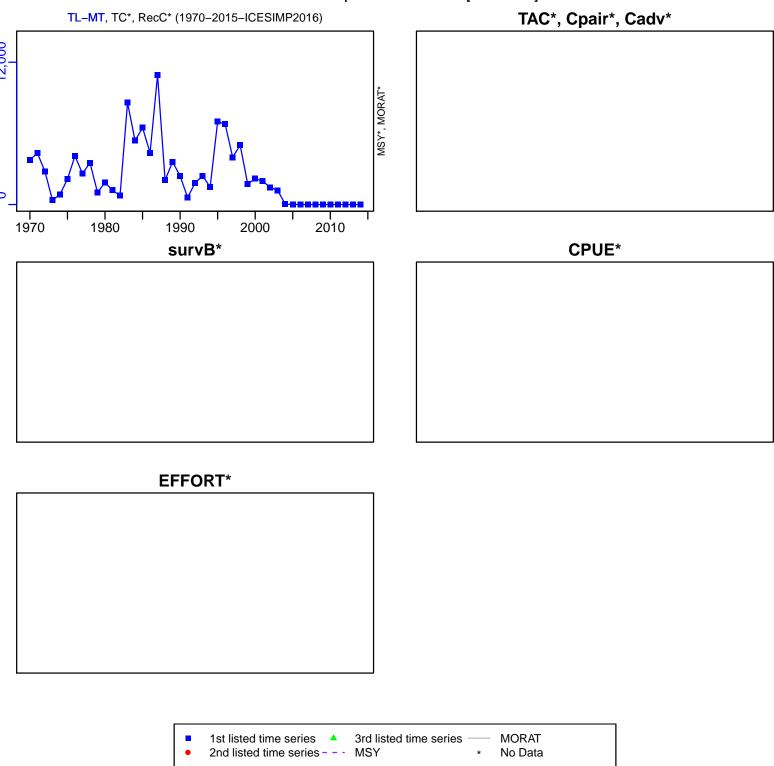
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	0		
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*
ER	Reciuits
Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
· MSY-based BRP · - · · Li	m BRP ■ No Data

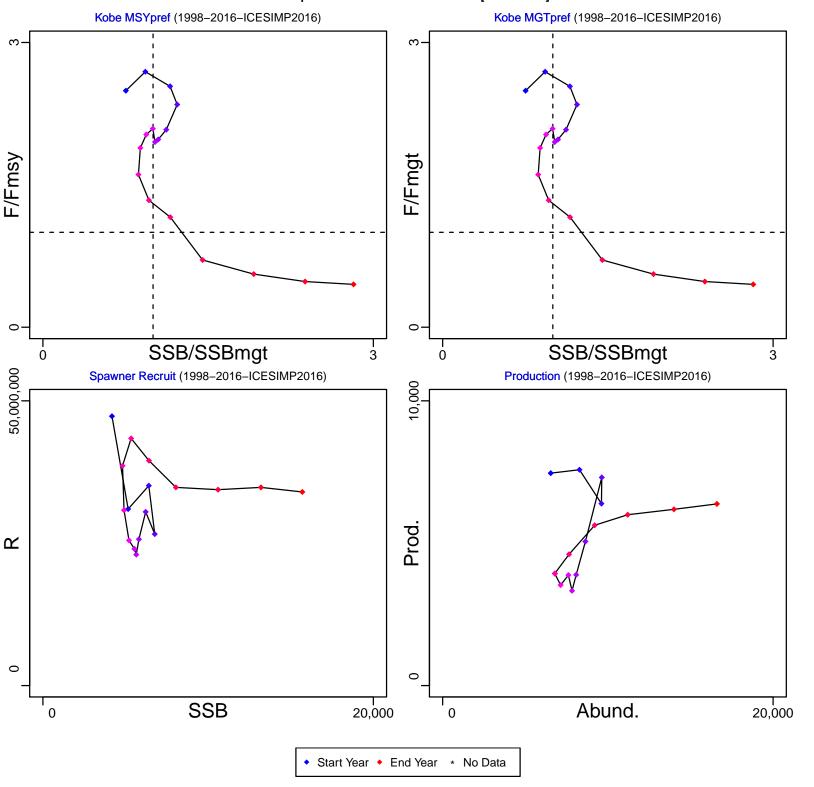


# **European Plaice Subdivisions 21-23 [PLAIC2123]**

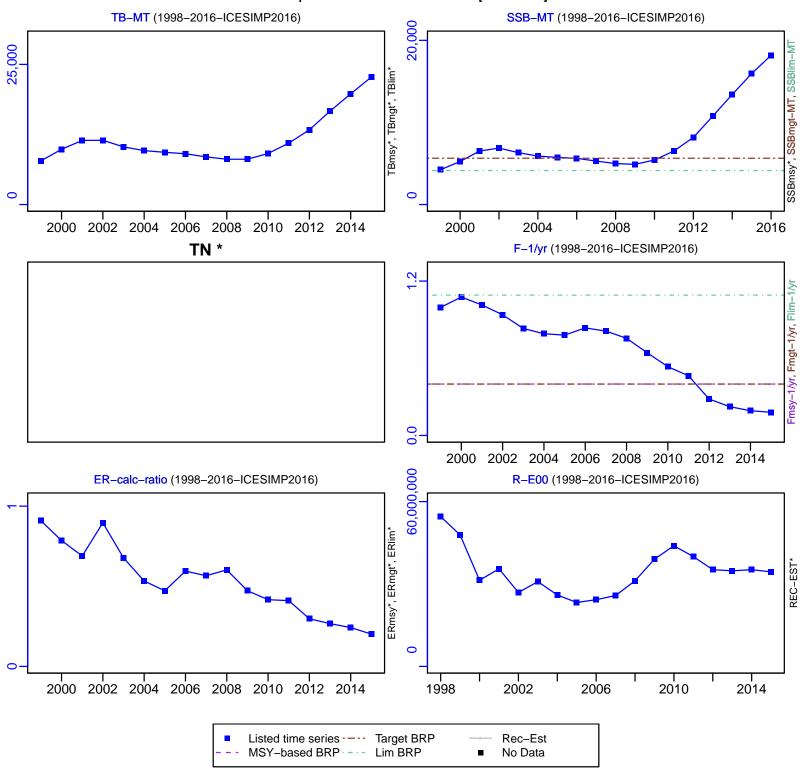
Metadata			
Scientific Name Pleuronectes platessa			
Current Assess ID WGBFAS-PLAIC2123-1998-2016-ICESIMP2016			
Area Subdivisions 21-23			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2014, 2015, 2016		

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.37		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	5553		
Fmgt	Fmgt-1/yr	2016	0.37		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	4077		
Flim	Flim-1/yr	2016	1.01		
ERlim	-	-	-		

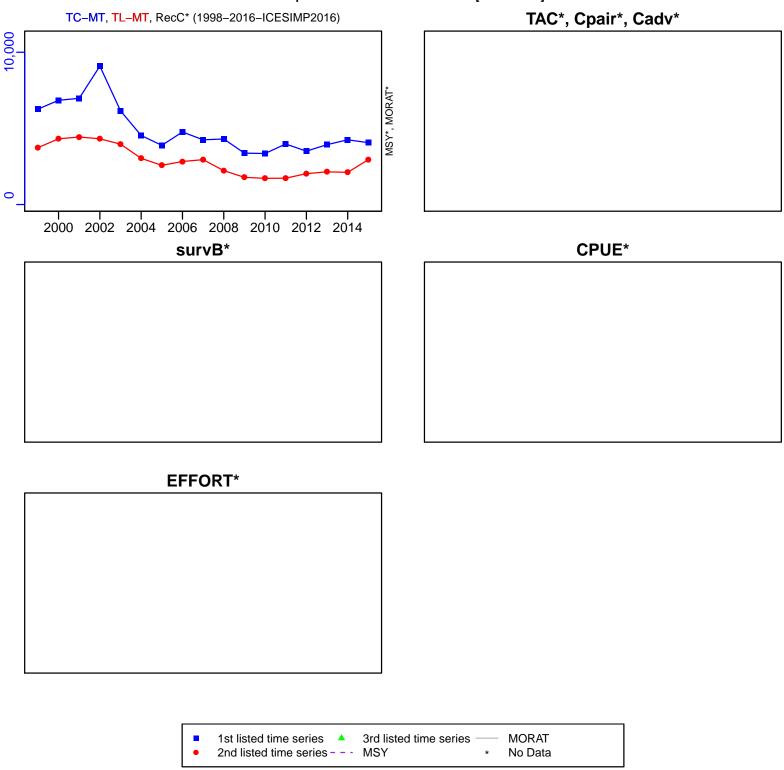
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	19,100	-	-
SSB	SSB-MT	2016	17,900	-	-
TN	-	-	-	-	-
R	R-E00	2016	$3.4 \times 10^{7}$	-	1
F	F-1/yr	2016	0.17	-	3 to 5
ER	ER-calc-ratio	2016	0.19	-	-
TC	TC-MT	2016	3710		
TL	TL-MT	2016	2690		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.45		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	3.22		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.45		
ER/ERmgt	-	-	-		



#### European Plaice Subdivisions 21-23 [PLAIC2123]



### European Plaice Subdivisions 21-23 [PLAIC2123]

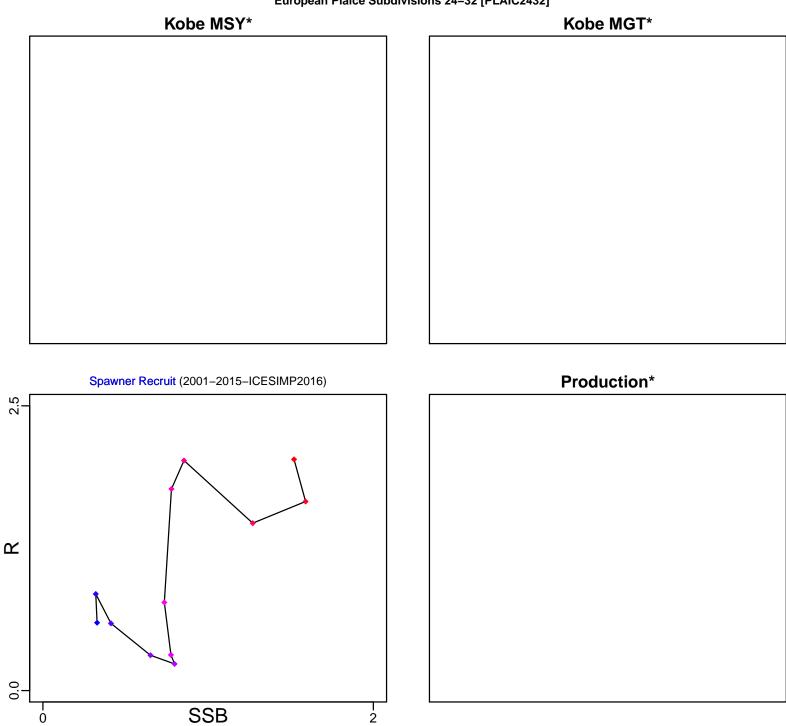


# **European Plaice Subdivisions 24-32 [PLAIC2432]**

Metadata			
Scientific Name Pleuronectes platessa			
Current Assess ID	WGBFAS-PLAIC2432-2001-2015-ICESIMP2016		
Area Subdivisions 24-32			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2015		

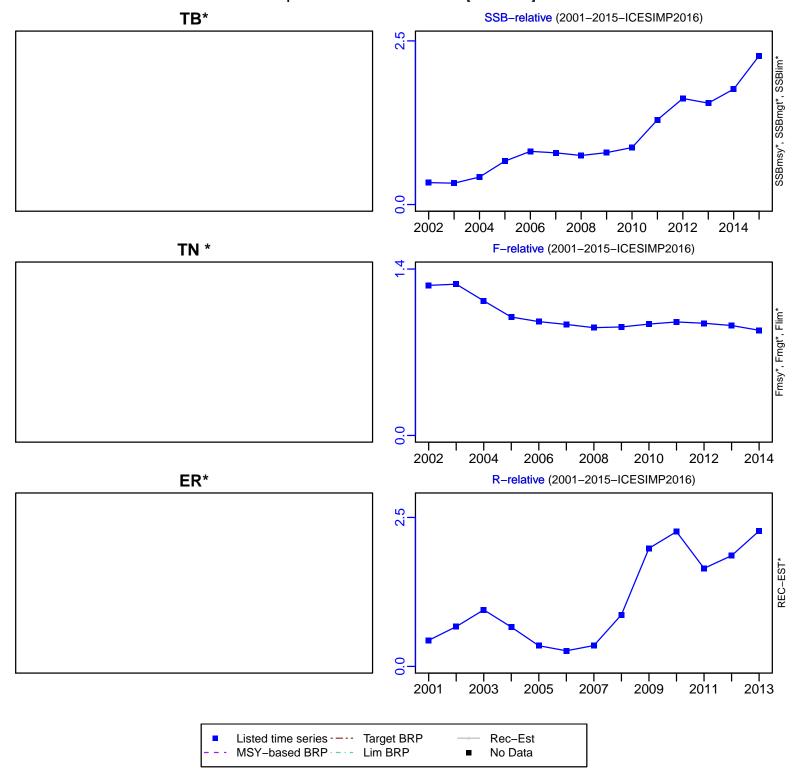
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2015	2	-	-
TN	-	-	-	-	-
R	R-relative	2015	2	-	1
F	F-relative	2015	0.88	-	2 to 5
ER	-	-	-	-	-
TC	TC-MT	2015	1010		
TL	TL-MT	2015	534		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

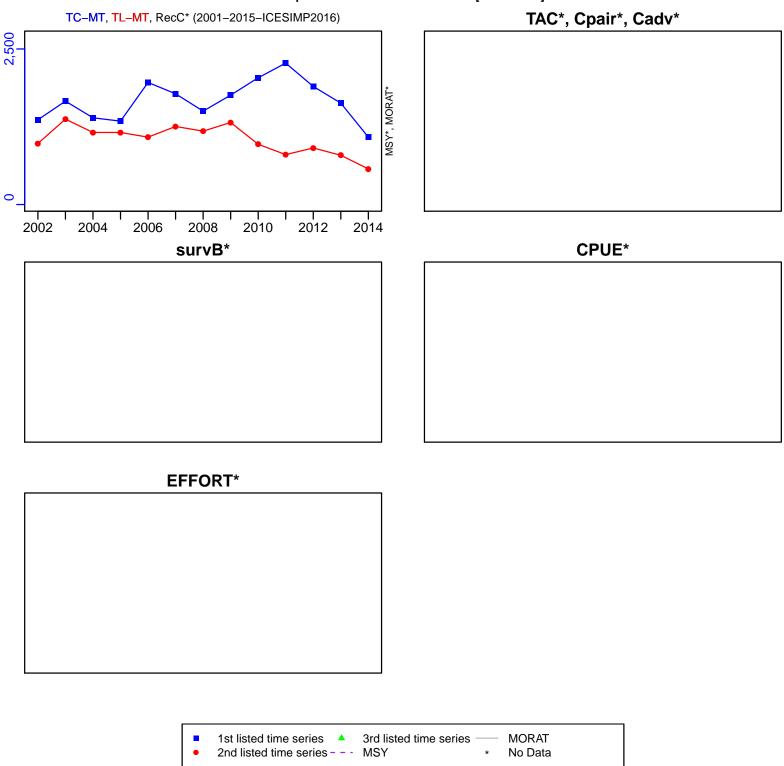


Start Year • End Year \* No Data

#### European Plaice Subdivisions 24-32 [PLAIC2432]



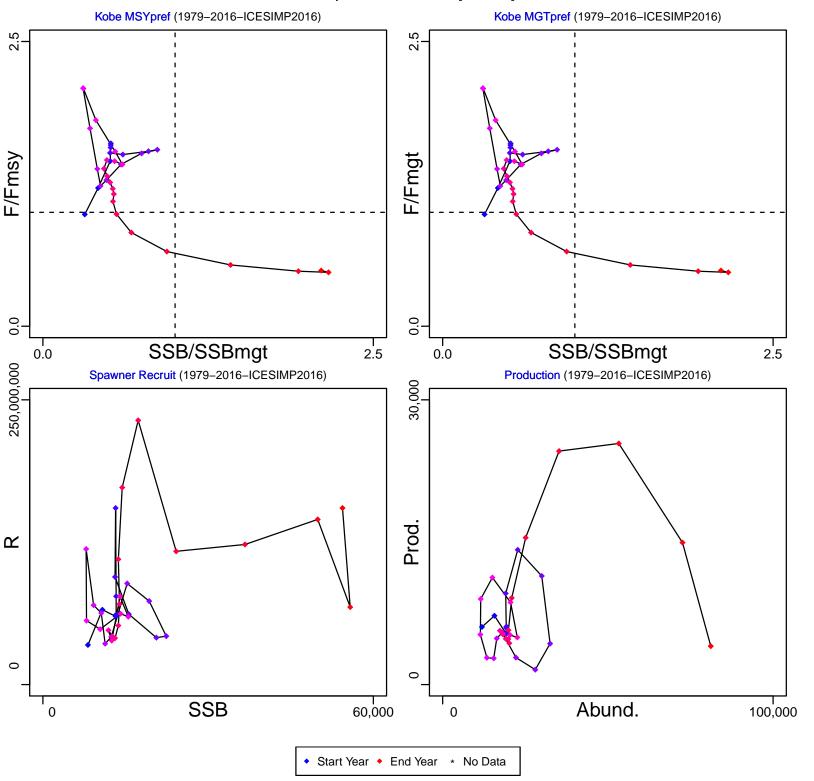
### European Plaice Subdivisions 24-32 [PLAIC2432]

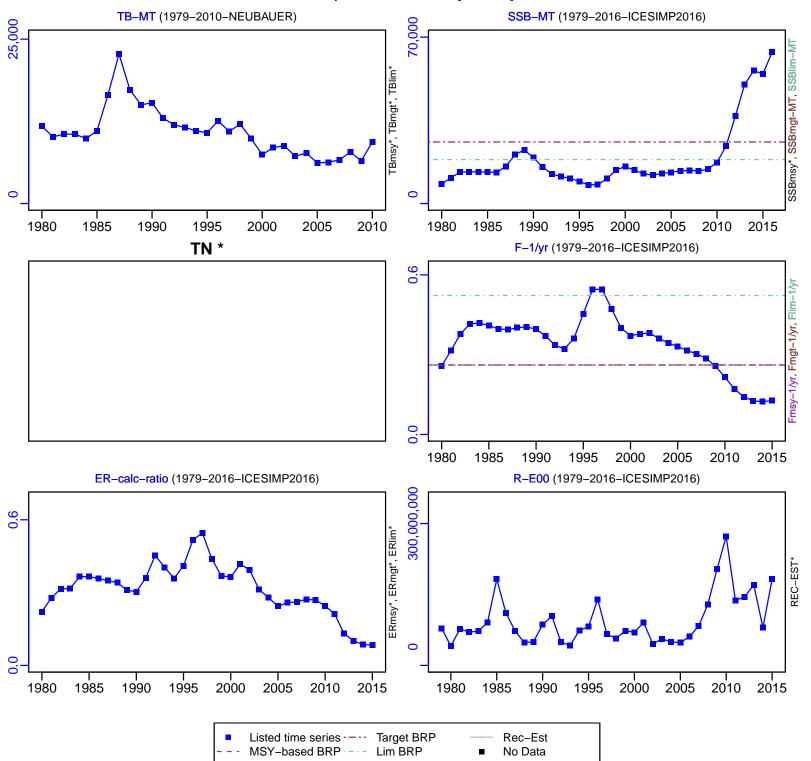


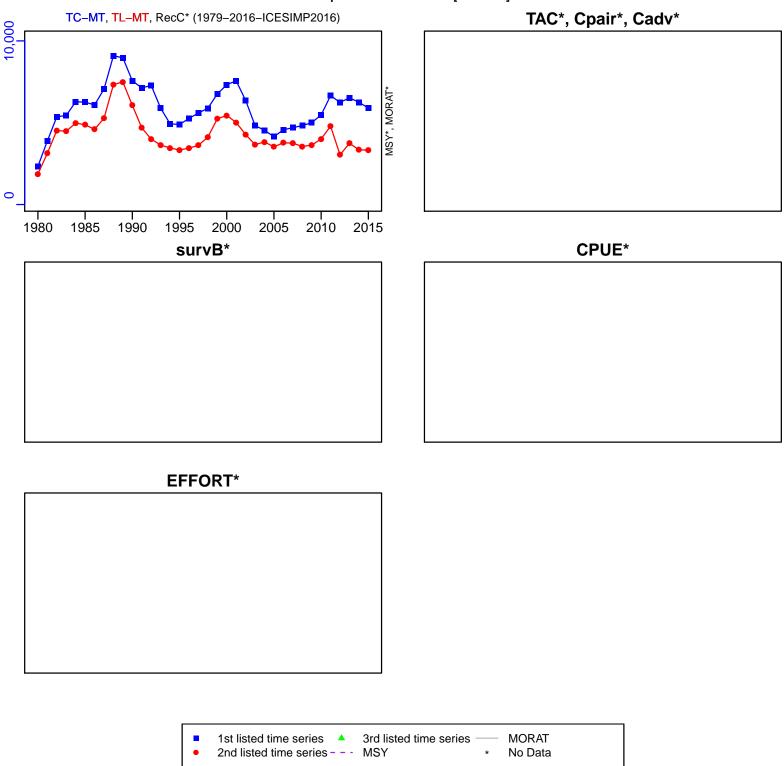
Metadata			
Scientific Name	Pleuronectes platessa		
Current Assess ID	WGNSSK-PLAIC7d-1979-2016-ICESIMP2016		
Area Eastern English Channel			
Management Authority International Council for the Exploration of the Sea			
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak		
Asmts in RAM	2010, 2013, 2014, 2015, 2016		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.25	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	25,826	
Fmgt	Fmgt-1/yr	2016	0.25	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2010	0.1	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	18,448	
Flim	Flim-1/yr	2016	0.5	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2010	9230	-	1+
SSB	SSB-MT	2016	63,500	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.55 \times 10^{8}$	-	1
F	F-1/yr	2016	0.12	-	3 to 6
ER	ER-calc-ratio	2016	0.07	-	-
TC	TC-MT	2016	5790		
TL	TL-MT	2016	3250	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.49		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.46		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.49		
ER/ERmgt	-	-	-		





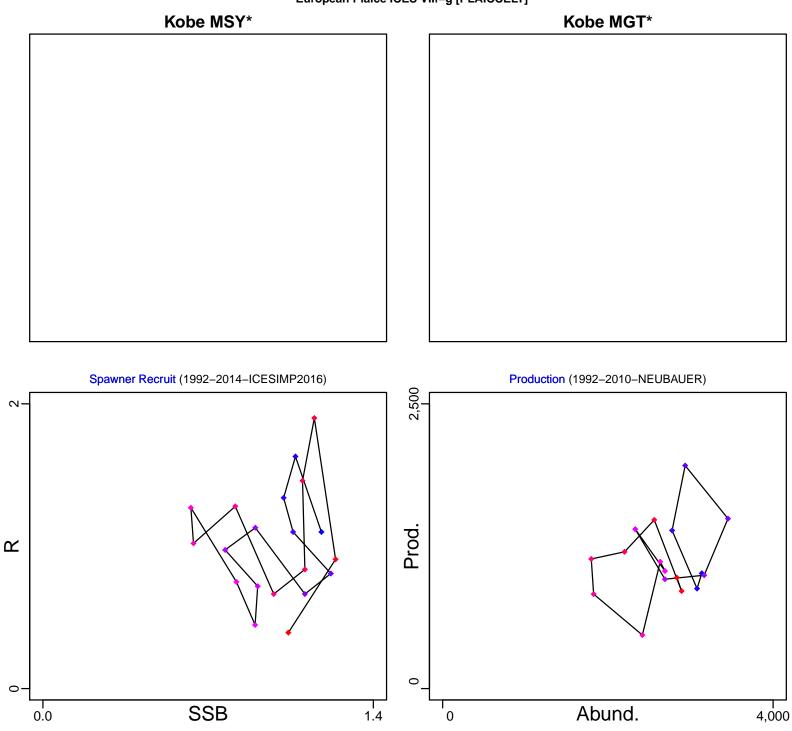


# **European Plaice ICES VIIf-g [PLAICCELT]**

Metadata			
Scientific Name	Pleuronectes platessa		
Current Assess ID	WGCSE-PLAICCELT-1993-2016-ICESIMP2016		
Area	Celtic Sea		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2014, 2016, 2010		

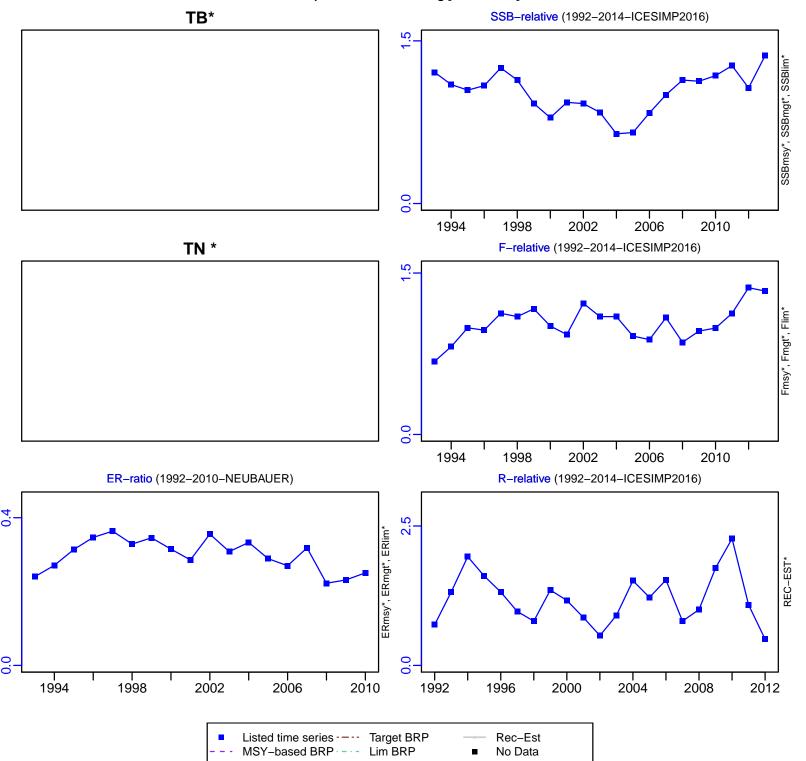
	Reference Points				
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2010	0.12		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2014	1	-	-
TN	-	-	-	-	-
R	R-relative	2014	0	-	1
F	F-relative	2014	1.29	-	3 to 6
ER	ER-ratio	2010	0.22	-	-
TC	TC-MT	2014	1670		•
TL	TL-MT	2016	381		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

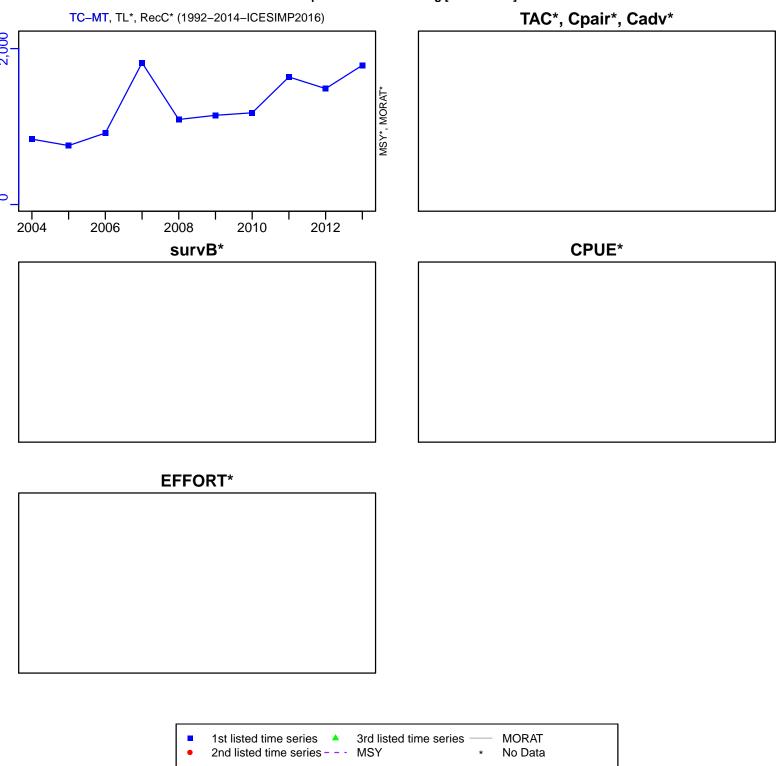


Start Year → End Year → No Data

#### European Plaice ICES VIIf-g [PLAICCELT]



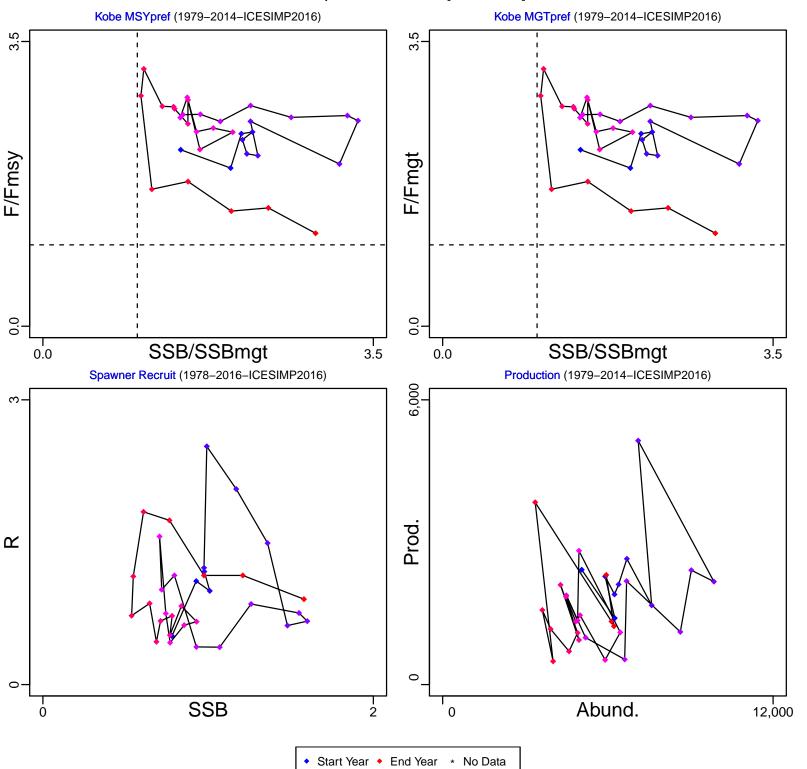
### European Plaice ICES VIIf-g [PLAICCELT]

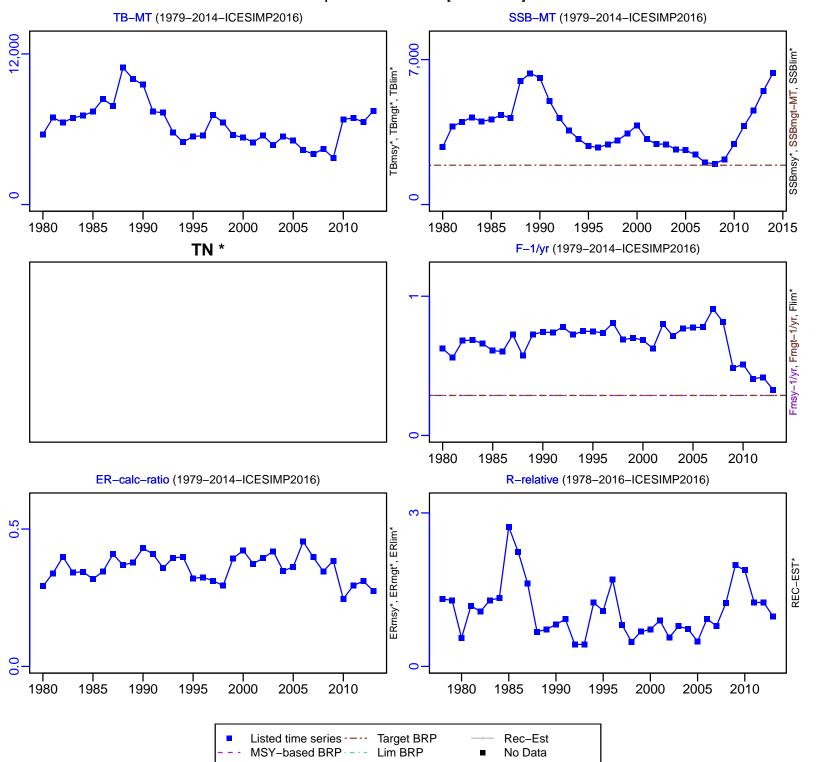


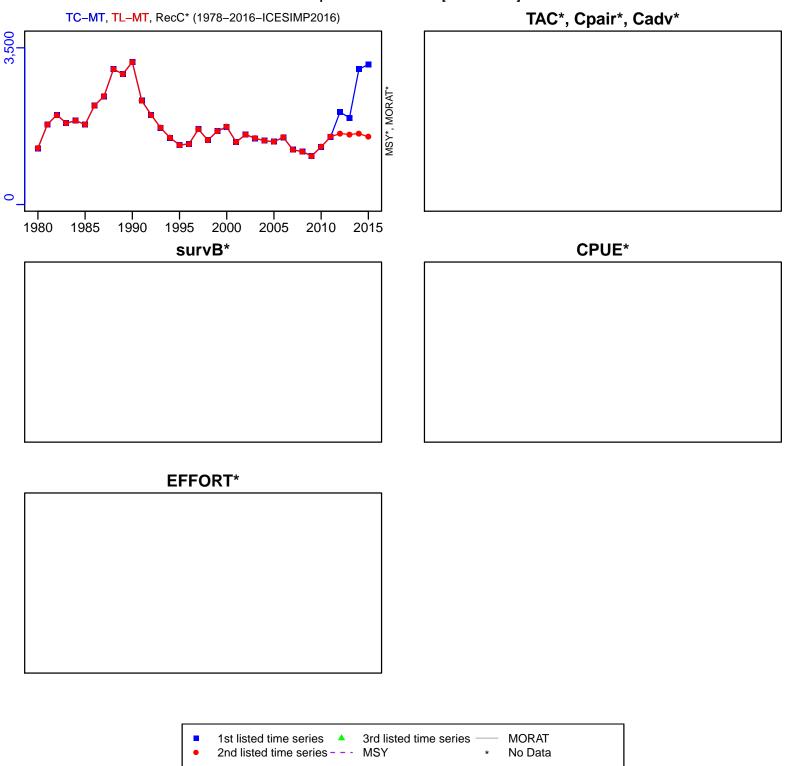
Metadata			
Scientific Name	Pleuronectes platessa		
Current Assess ID	WGCSE-PLAICECHW-1978-2016-ICESIMP2016		
Area Western English Channel			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2015, 2016, 2013, 2014, 2010		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2014	0.24	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2014	1650	
Fmgt	Fmgt-1/yr	2014	0.24	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2010	0.12	
TBlim	TBlim-MT	2010	1300	
SSBlim	SSBlim-relative	2015	1246	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	6730	-	-
SSB	SSB-relative	2016	2	-	-
TN	-	-	-	-	-
R	R-relative	2016	1	-	2
F	F-relative	2016	0.35	-	3 to 6
ER	ER-calc-ratio	2014	0.23	-	-
TC	TC-MT	2016	2940		
TL	TL-MT	2016	1420	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2014	1.14		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2014	3.35		
F/Fmgt	F-1/yr/Fmgt-1/yr	2014	1.14		
ER/ERmgt	-	-	-		





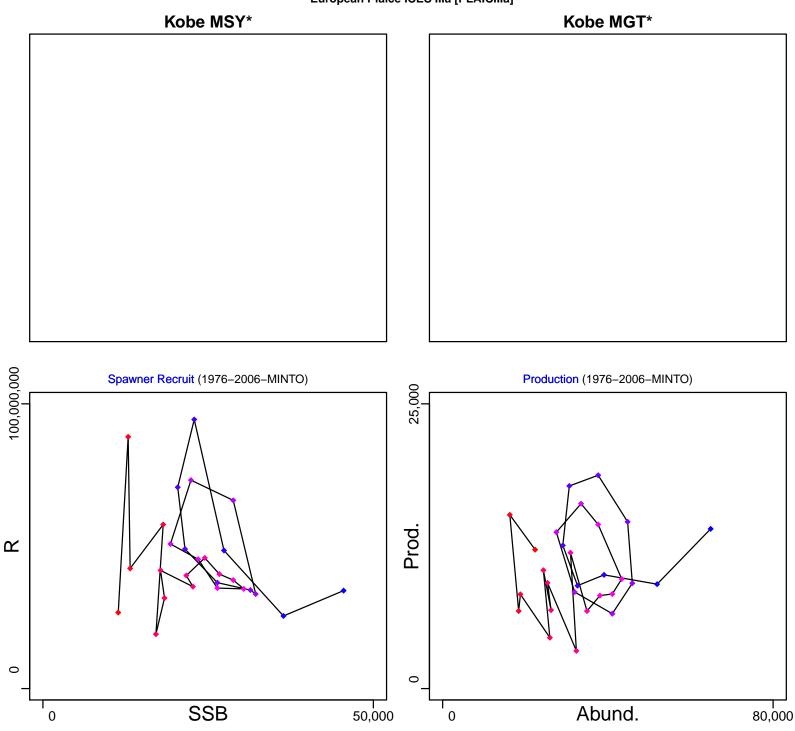


# European Plaice ICES IIIa [PLAICIIIa]

Metadata			
Scientific Name	Pleuronectes platessa		
Current Assess ID	WGNSSK-PLAICIIIa-1976-2006-MINTO		
Area	Kattegat and Skagerrak		
Management Authority International Council for the Exploration of the Sea			
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak		
Asmts in RAM	2006		

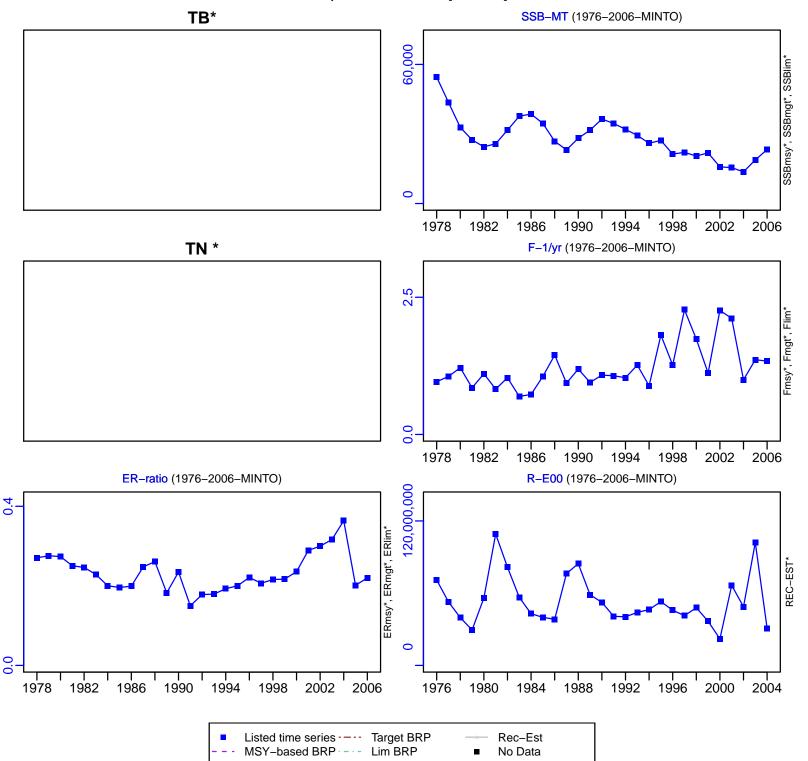
Reference Points				
Type	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2006	0.1	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-MT	2006	19,400	-	2+
TN	-	-	-	-	-
R	R-E00	2006	26,700,000	-	2
F	F-1/yr	2006	1.1	-	4 to 8
ER	ER-ratio	2006	0.21	-	-
TC	-	-	-		
TL	TL-MT	2006	9410		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

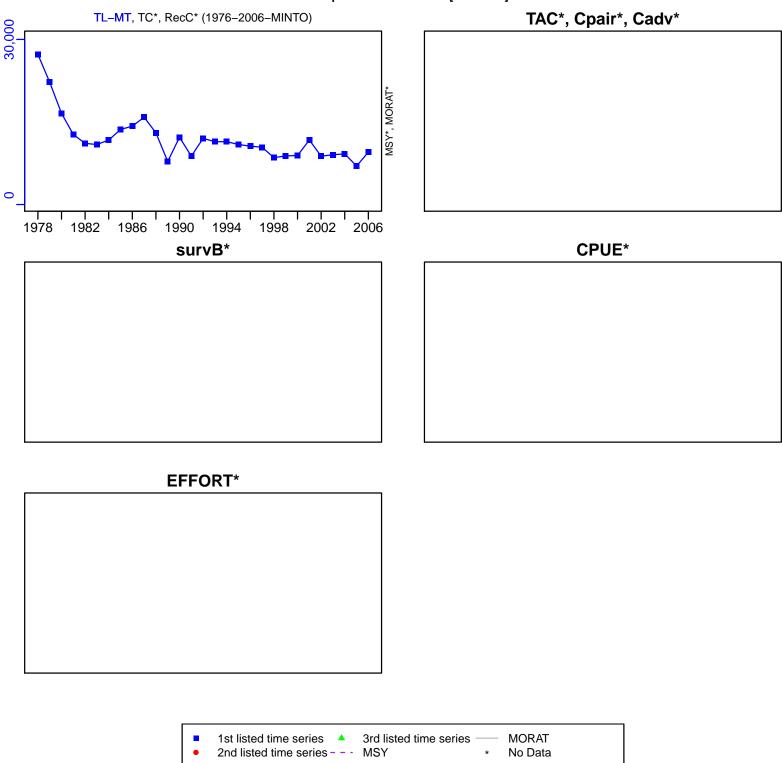


Start Year → End Year → No Data

#### **European Plaice ICES IIIa [PLAICIIIa]**



#### European Plaice ICES IIIa [PLAICIIIa]

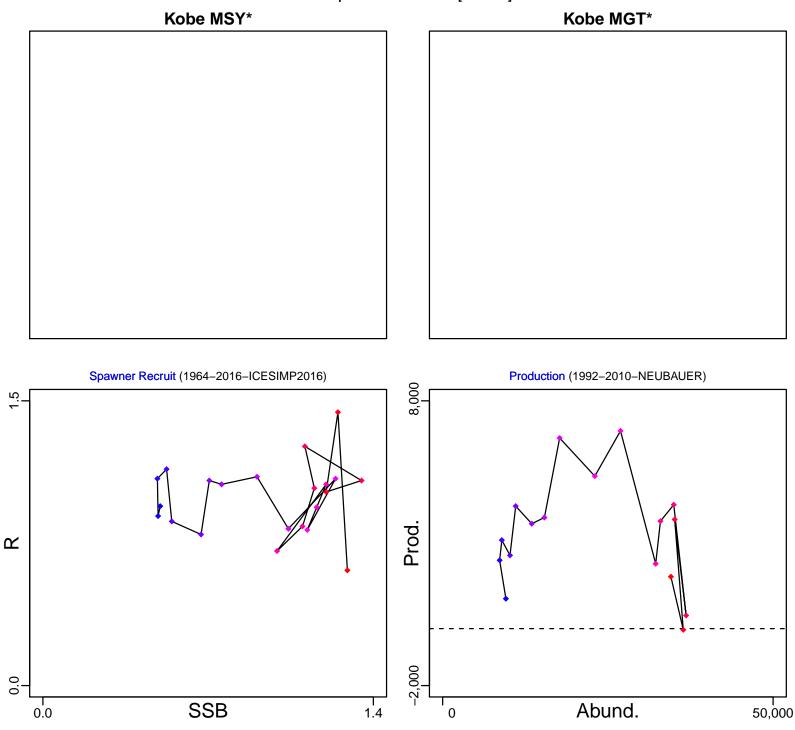


## **European Plaice Irish Sea [PLAICIS]**

Metadata		
Scientific Name Pleuronectes platessa		
Current Assess ID	WGCSE-PLAICIS-1964-2016-ICESIMP2016	
Area Irish Sea		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015, 2016, 2014, 2010	

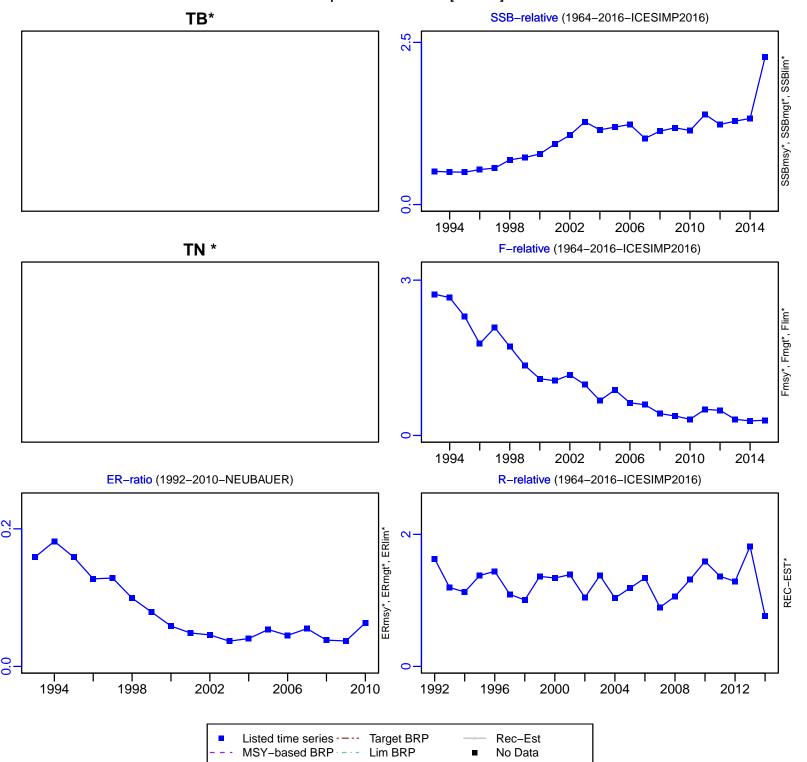
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2010	0.12	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2016	2	-	-
TN	-	-	-	-	-
R	R-relative	2016	1	-	1
F	F-relative	2016	0.27	-	3 to 6
ER	ER-ratio	2010	0.05	-	-
TC	TC-MT	2016	1010		
TL	TL-MT	2016	439		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

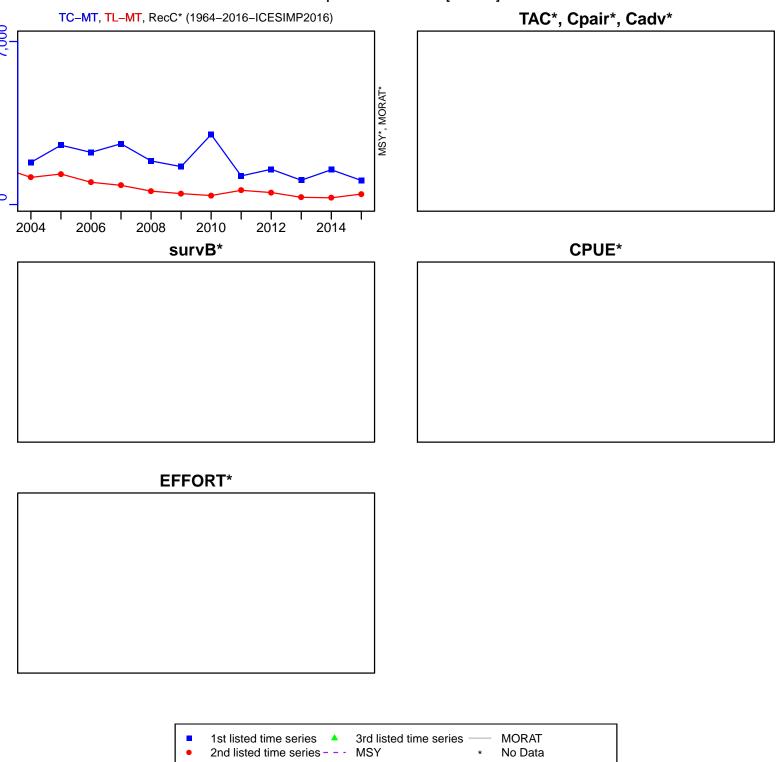


Start Year → End Year → No Data

### **European Plaice Irish Sea [PLAICIS]**



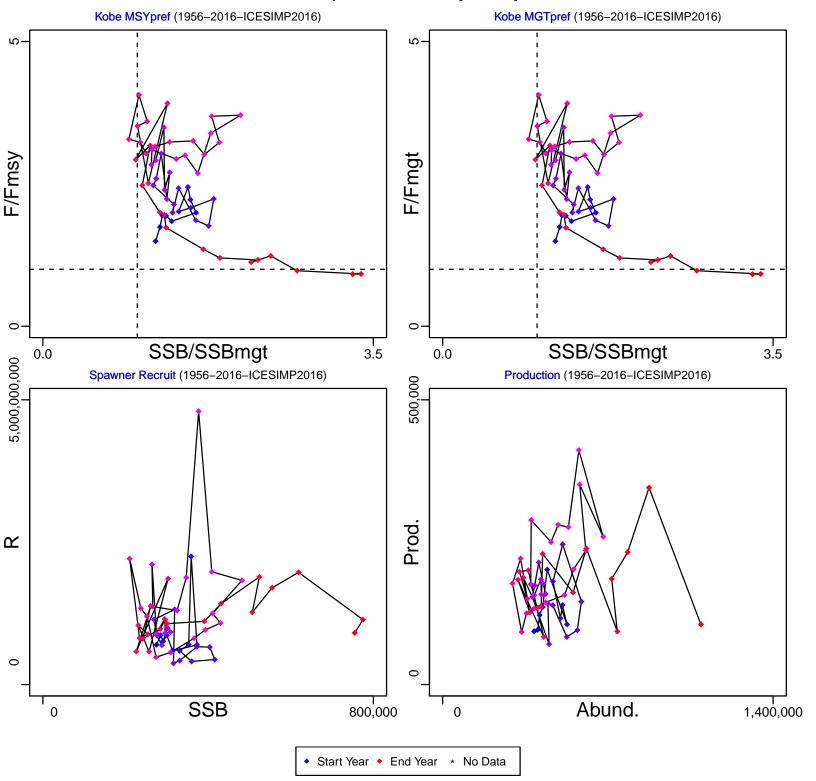
### **European Plaice Irish Sea [PLAICIS]**

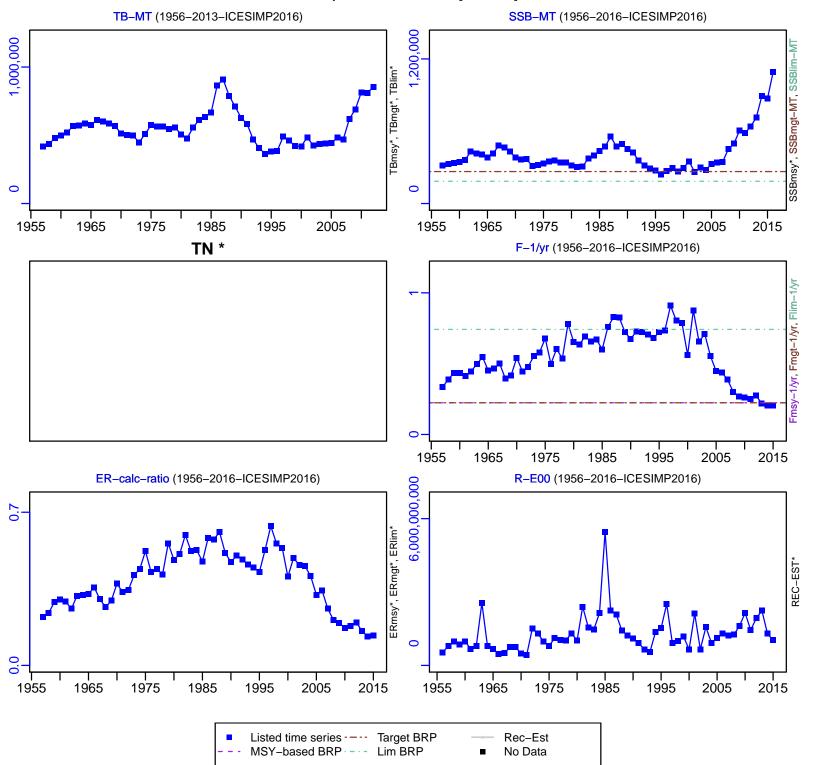


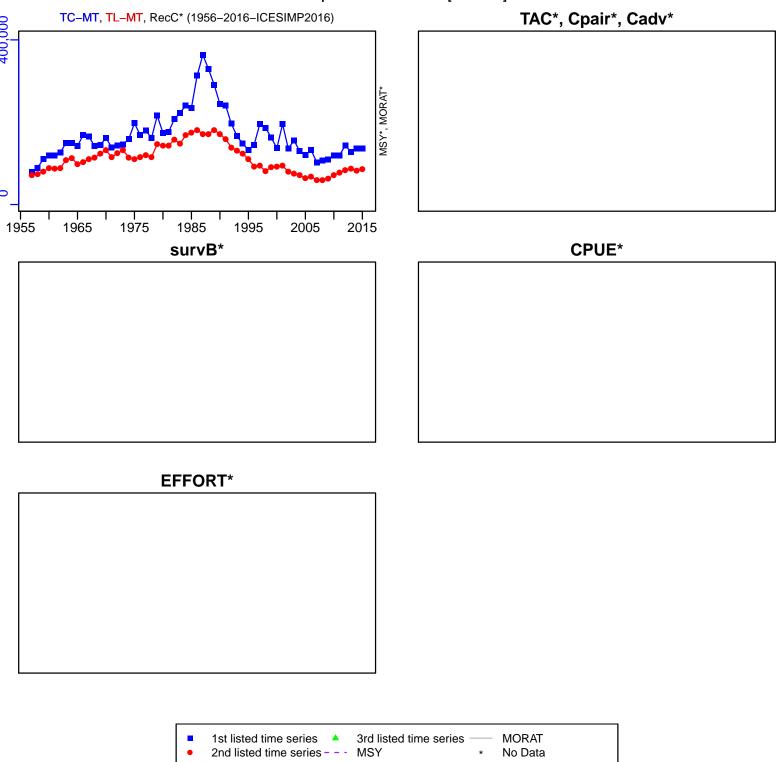
Metadata		
Scientific Name	Pleuronectes platessa	
Current Assess ID	WGNSSK-PLAICNS-1956-2016-ICESIMP2016	
Area	North Sea	
Management Authority International Council for the Exploration of the Sea		
Assessor	Assessor Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2010, 2013, 2014, 2015, 2016	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.19	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	230,000	
Fmgt	Fmgt-1/yr	2016	0.19	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2010	0.1	
TBlim	TBlim-MT	2010	160,000	
SSBlim	SSBlim-MT	2016	160,000	
Flim	Flim-1/yr	2016	0.63	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2013	698,000	-	-
SSB	SSB-MT	2016	946,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$9.08 \times 10^{8}$	-	1
F	F-1/yr	2016	0.17	-	2 to 6
ER	ER-calc-ratio	2016	0.13	-	-
TC	TC-MT	2016	134,000		
TL	TL-MT	2016	85,400	1	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.91		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	4.11		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.91		
ER/ERmgt	-	-	-		







Metadata		
Scientific Name	Pleuronectes platessa	
Current Assess ID	WGCSE-PLAICVIIbc-1996-2015-ICESIMP2016	
Area	VIIbc	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

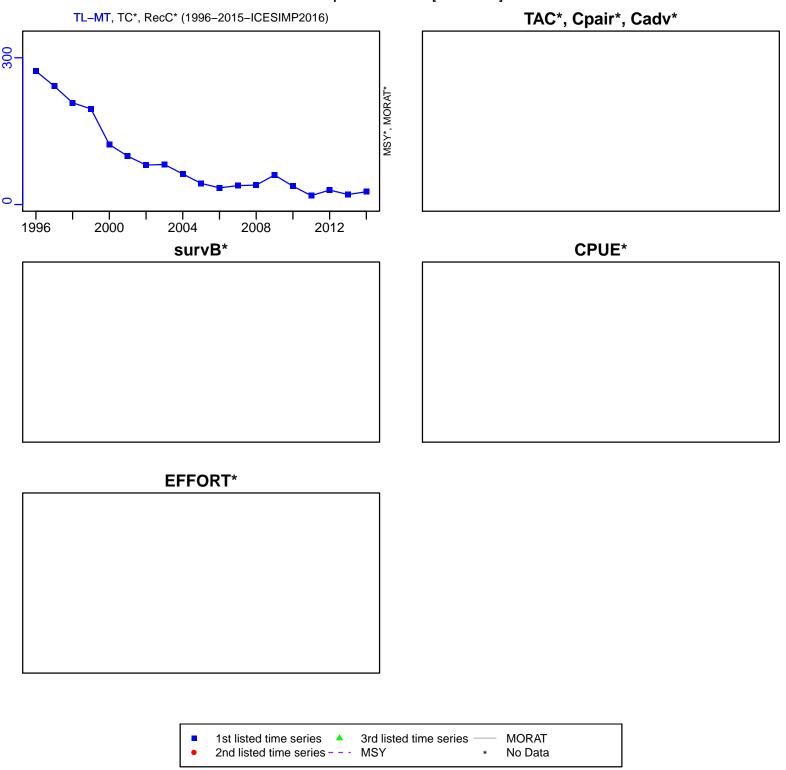
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	23		
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*
ED*	Doowito*
ER*	Recruits*
	J
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

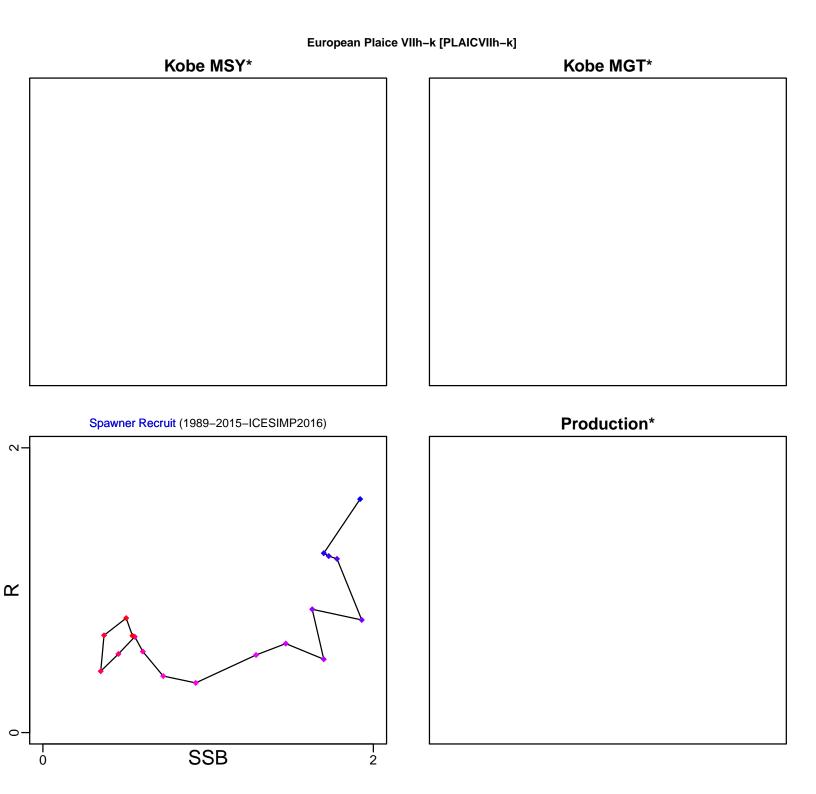


## European Plaice VIIh-k [PLAICVIIh-k]

Metadata		
Scientific Name Pleuronectes platessa		
Current Assess ID	WGCSE-PLAICVIIh-k-1989-2015-ICESIMP2016	
Area	VIIh-k	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2014, 2015	

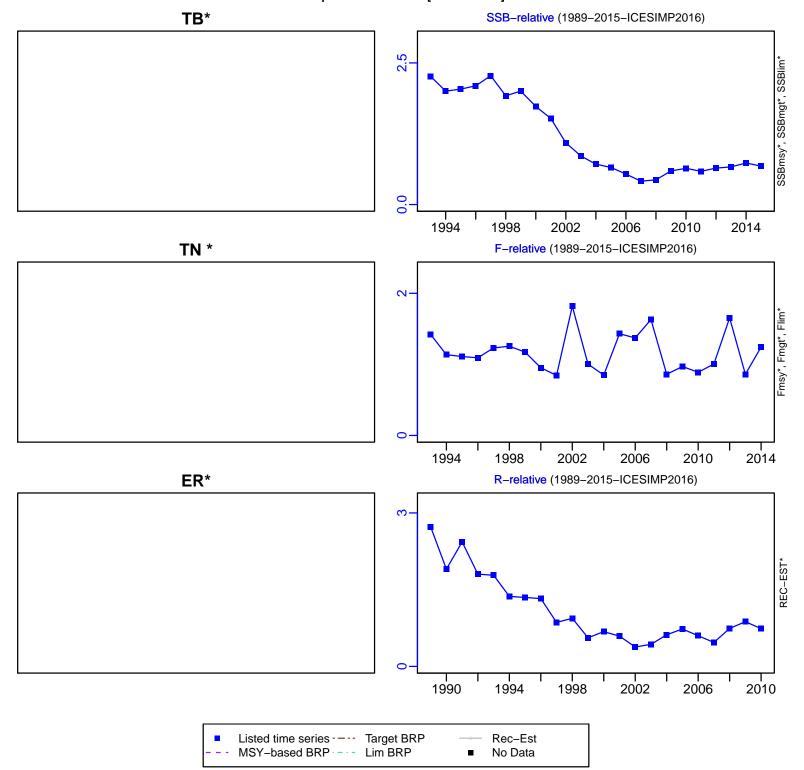
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2015	1	-	-
TN	-	-	-	-	-
R	R-relative	2015	1	-	4
F	F-relative	2015	1.06	-	4 to 6
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	148		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

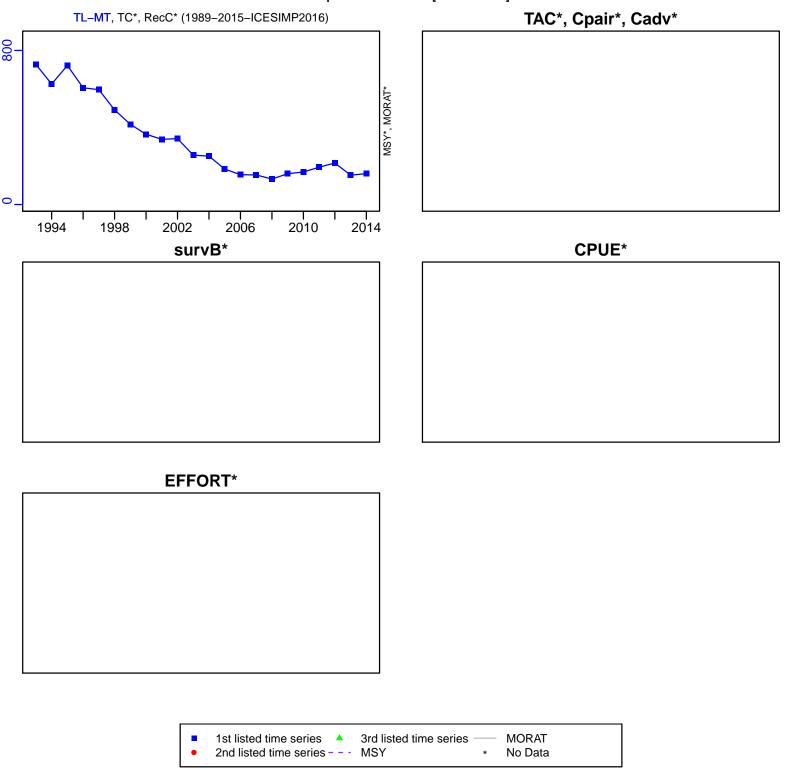


Start Year • End Year \* No Data

### European Plaice VIIh-k [PLAICVIIh-k]



### European Plaice VIIh-k [PLAICVIIh-k]



## European Plaice VIII and IXa [PLAICVIII-IXa]

Metadata			
Scientific Name	c Name Pleuronectes platessa		
Current Assess ID	WGBIE-PLAICVIII-IXa-1994-2015-ICESIMP2016		
Area	VIII and IXa		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion		
Asmts in RAM	2015		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	220		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

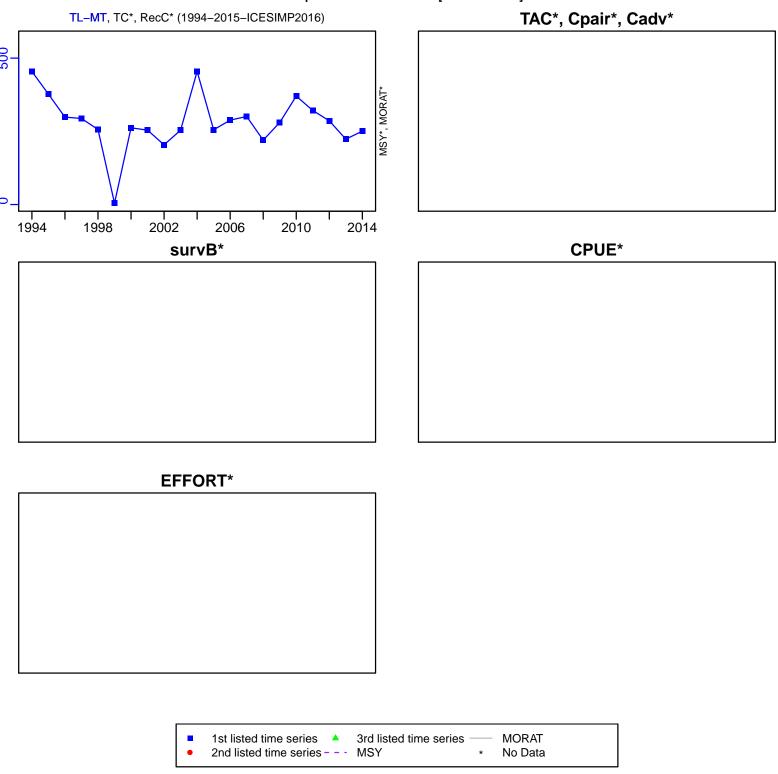
# European Plaice VIII and IXa [PLAICVIII-IXa]

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

# European Plaice VIII and IXa [PLAICVIII-IXa]

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

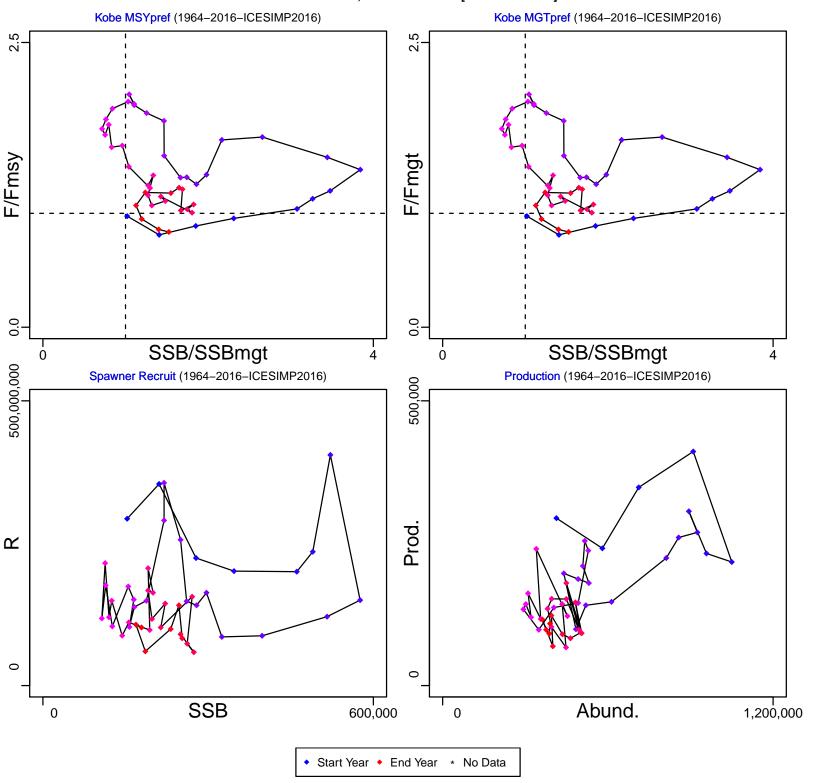
# European Plaice VIII and IXa [PLAICVIII-IXa]

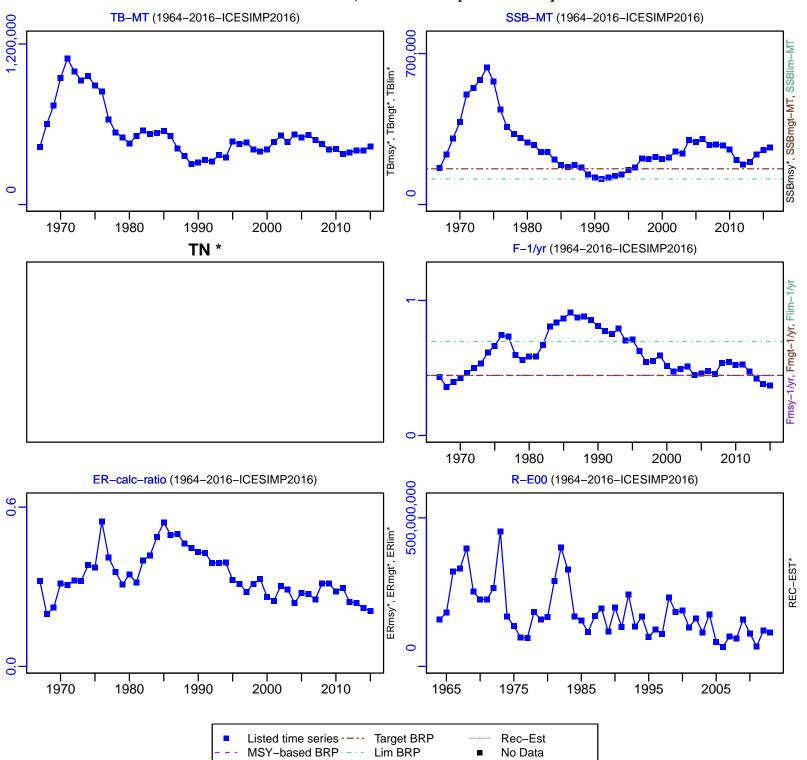


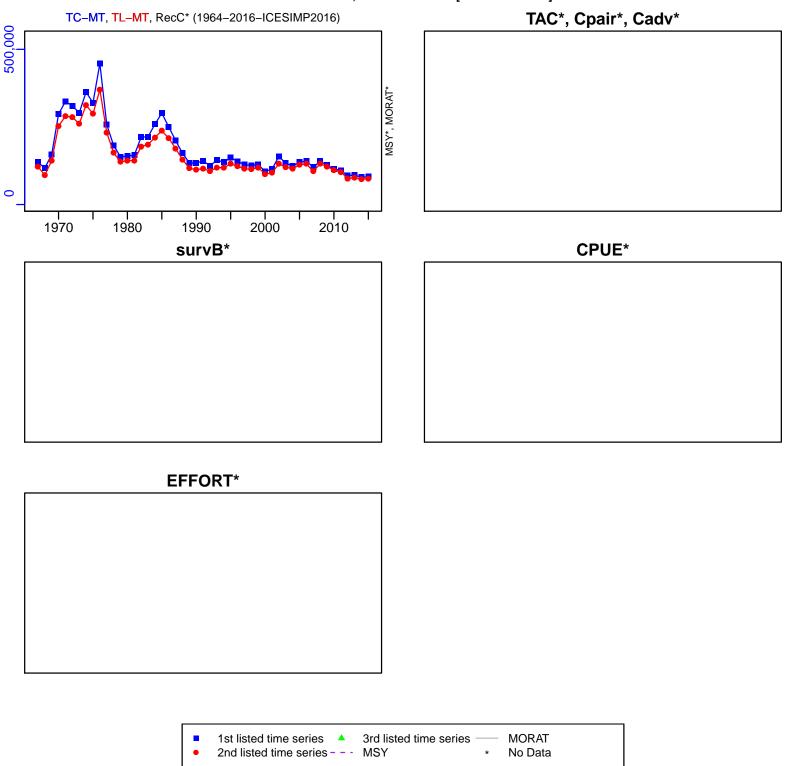
Metadata		
Scientific Name	Pollachius virens	
Current Assess ID	WGNSSK-POLLNS-VI-IIIa-1964-2016-ICESIMP2016	
Area	Illa, VI and North Sea	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2012, 2013, 2014, 2015, 2016	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.36	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	150,000	
Fmgt	Fmgt-1/yr	2016	0.36	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	$2 \times 10^5$	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	107,000	
Flim	Flim-1/yr	2016	0.56	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	417,000	-	-
SSB	SSB-MT	2016	240,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.02 \times 10^{8}$	-	3
F	F-1/yr	2016	0.3	-	4 to 7
ER	ER-calc-ratio	2016	0.2	-	-
TC	TC-MT	2016	83,300		
TL	TL-MT	2016	78,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.84		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.6		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.84		
ER/ERmgt	-	-	-		







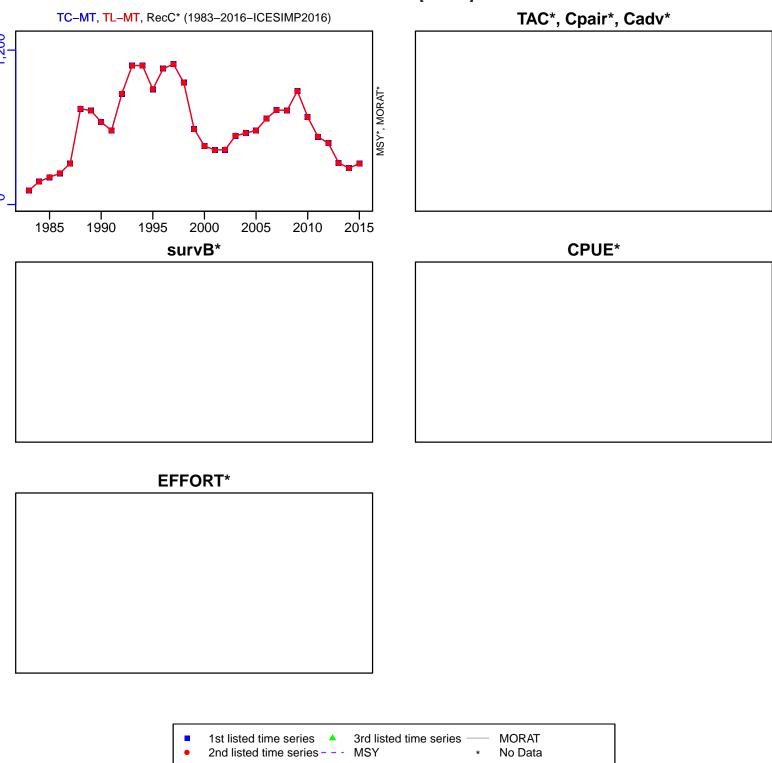
Metadata		
Scientific Name	Pagellus bogaraveo	
Current Assess ID	WGDEEP-RBRMIX-1983-2016-ICESIMP2016	
Area	IX	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	295		
TL	TL-MT	2016	295		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



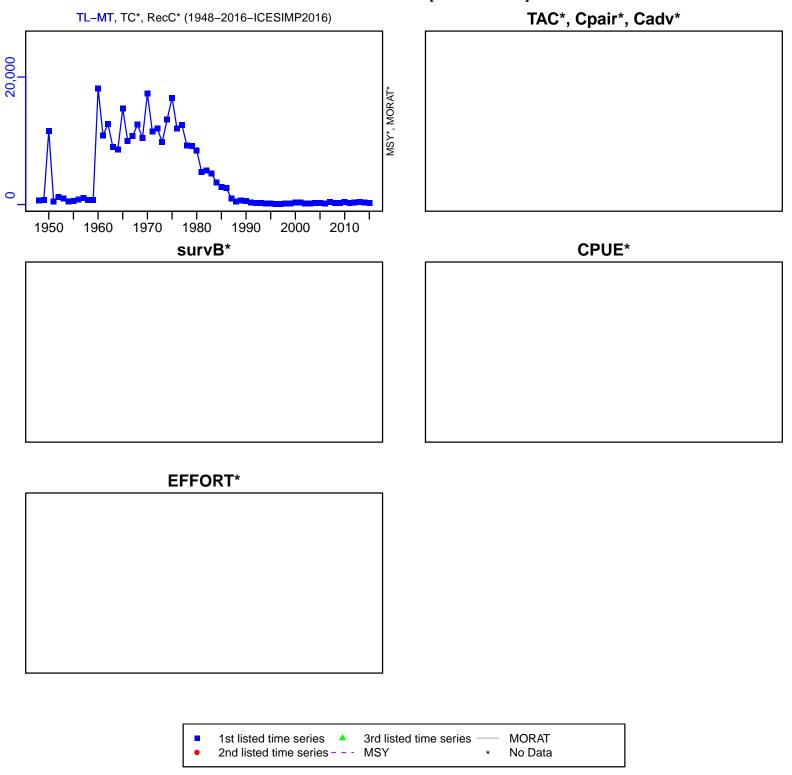
Metadata		
Scientific Name	Pagellus bogaraveo	
Current Assess ID	WGDEEP-RBRMVI-VIII-1948-2016-ICESIMP2016	
Area	VI-VII-VIII	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	177		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
L	
Spawner Recruit*	Production*
Spawner Recruit	Pioduction
Spawner Recruit	Production
Spawner Recruit	

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



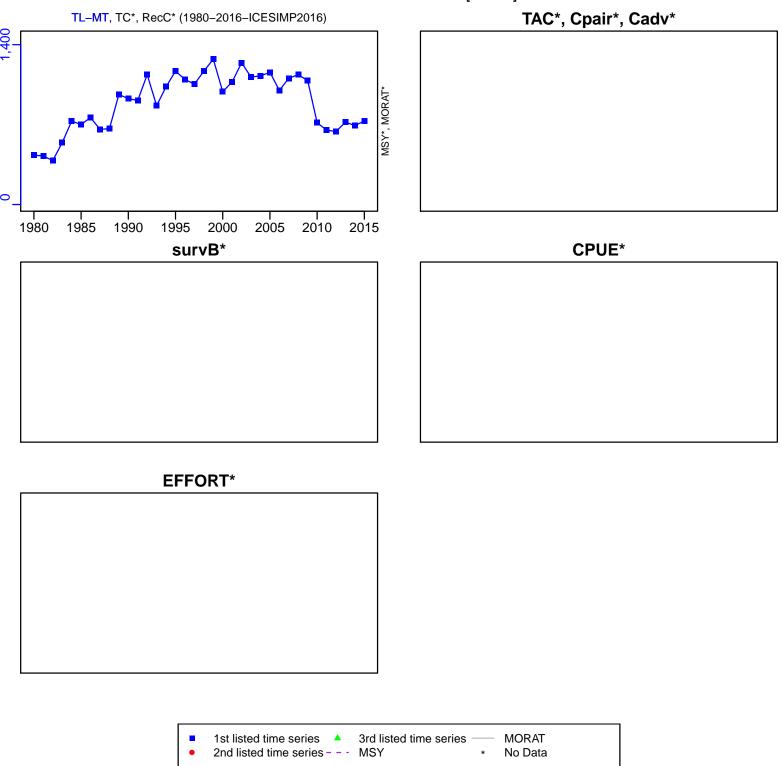
Metadata		
Scientific Name	Pagellus bogaraveo	
Current Assess ID	WGDEEP-RBRMX-1980-2016-ICESIMP2016	
Area	Azores Grounds	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources	
Asmts in RAM	2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	701		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data



# Beaked Redfish Areas V-XII-XIV and NAFO Subareas 1-2 [REDDEEPSH1-2-V-XII-XIV]

Metadata		
Scientific Name	Sebastes mentella	
Current Assess ID	NWWG-REDDEEPSH1-2-V-XII-XIV-1982-2016-ICESIMP2016	
Area	Areas V-XII-XIV and NAFO Subareas 1-2	
Management Authority	International Council for the Exploration of the Sea	
Assessor	North-Western Working Group	
Asmts in RAM	2016	

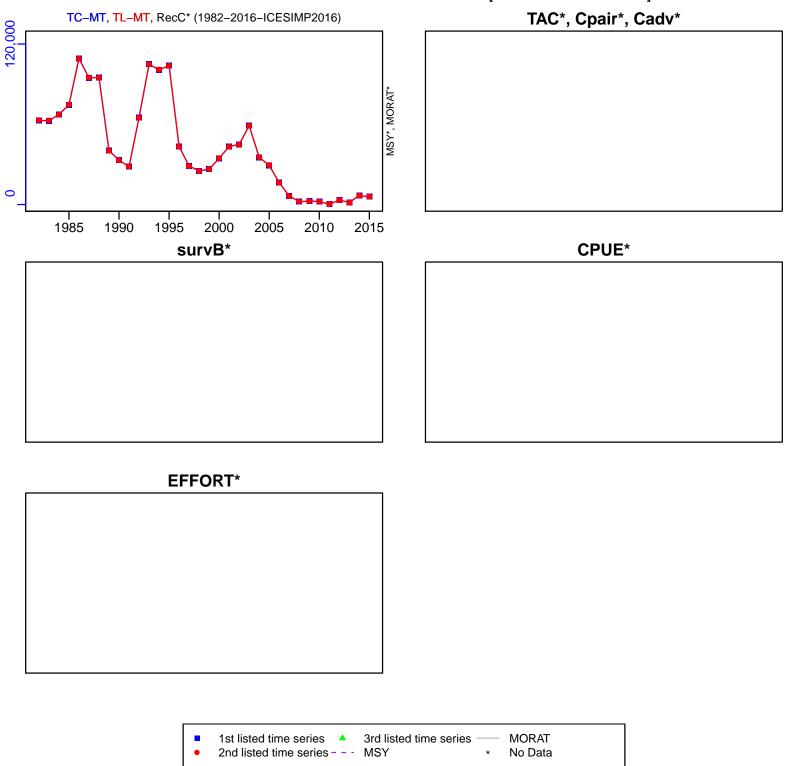
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	5600		
TL	TL-MT	2016	5600		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*
Opawiici Reciuit	Troduction

# Beaked Redfish Areas V–XII–XIV and NAFO Subareas 1–2 [REDDEEPSH1–2–V–XII–XIV]

TB*	SSB*
TN *	F*
ER*	Recruits*
[ <u> </u>	Des Ed
Listed time series Ti MSY-based BRP L	arget BRP — Rec–Est im BRP ■ No Data



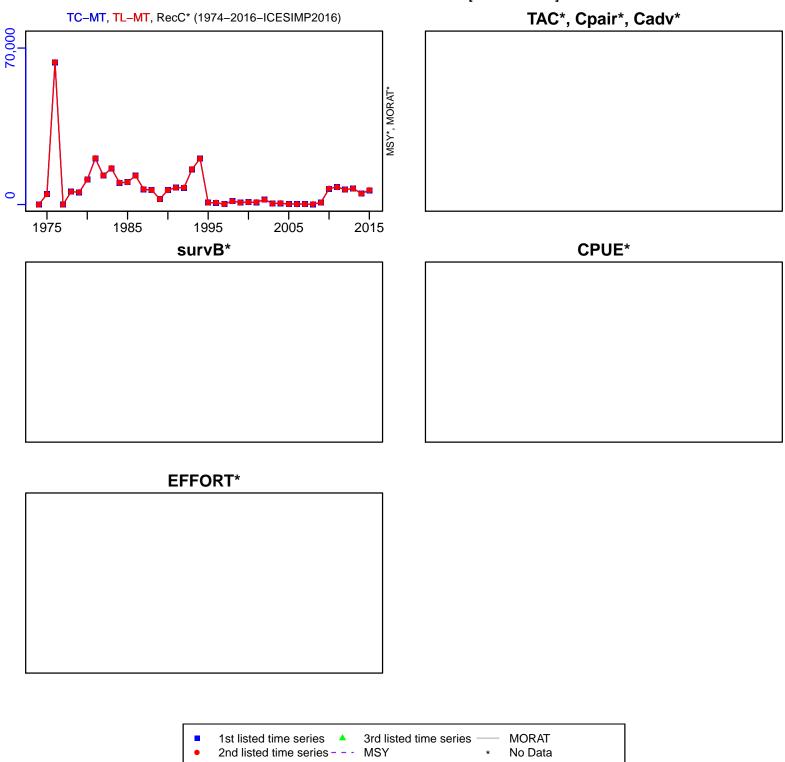
Metadata	
Scientific Name	Sebastes mentella
Current Assess ID	NWWG-REDDEEPXIVb-1974-2016-ICESIMP2016
Area	Southeast Greenland
Management Authority	International Council for the Exploration of the Sea
Assessor	North-Western Working Group
Asmts in RAM	2016

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	5980		
TL	TL-MT	2016	5980		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data



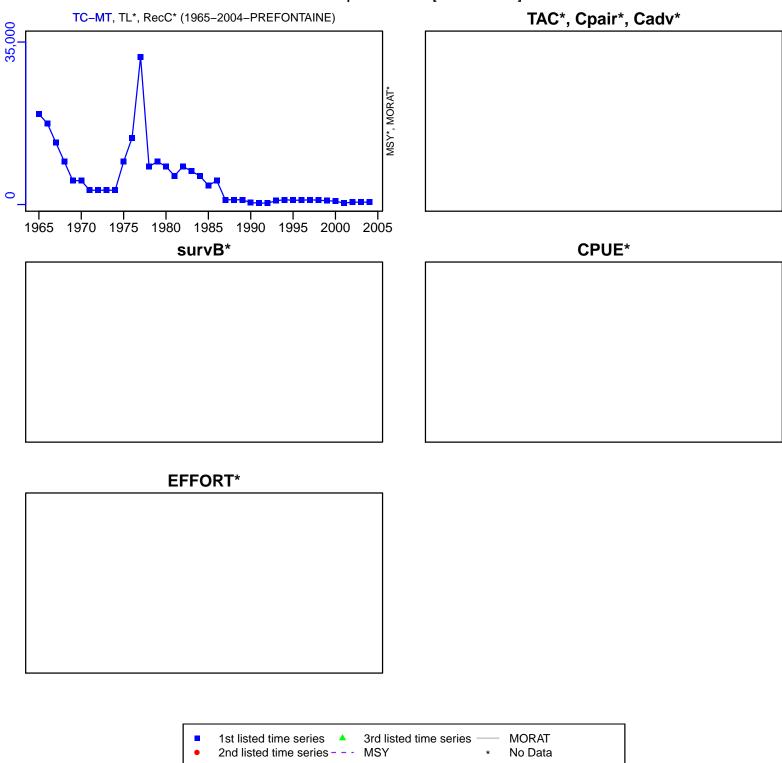
Metadata	
Scientific Name	Sebastes spp
Current Assess ID	NAFO-SC-REDFISHSPP1-1965-2004-PREFONTAINE
Area	West Greenland
Management Authority	Northwest Atlantic Fisheries Organization
Assessor	NAFO Scientific Council
Asmts in RAM	2004

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2004	500		
TL	-	-	-		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time porice T	orgat PPD —— Pop Est
Listed time series Ta	arget BRP — Rec–Est im BRP ■ No Data



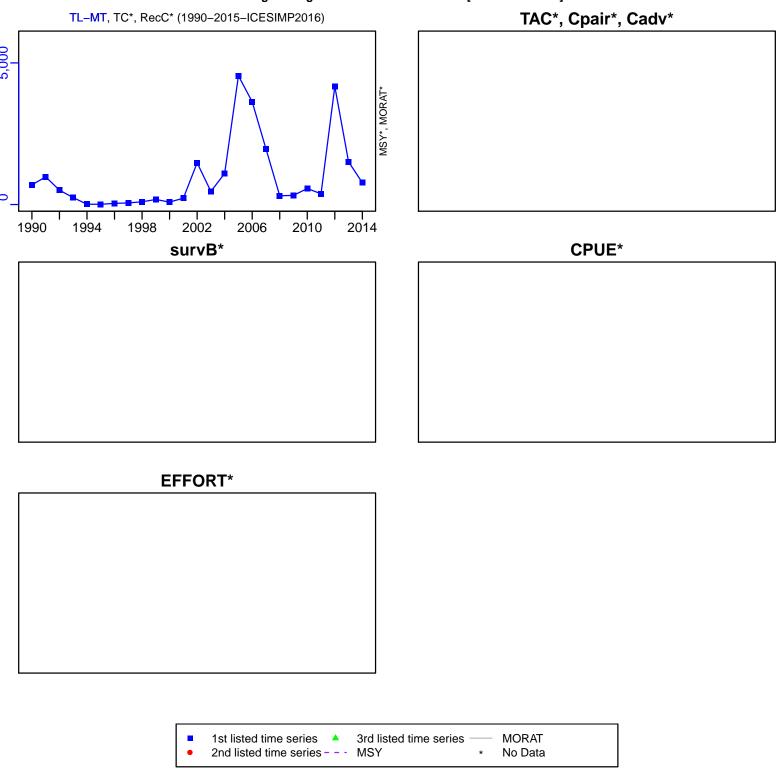
Metadata	
Scientific Name	Macrourus berglax
Current Assess ID	WGDEEP-RHGRENNEATL-1990-2015-ICESIMP2016
Area	Northeast Atlantic
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

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

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2015	654			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

Kobe MGT*
Production*

TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



# Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2 [RNGENI-II-IV-Va2-VIII-IX-XIVab2]

Metadata			
Scientific Name	Coryphaenoides rupestris		
Current Assess ID	WGDEEP-RNGENI-II-IV-Va2-VIII-IX-XIVab2-1990-2015-ICESIMP2016		
Area	I-II-IV-Va2-VIII-IX-XIVab2		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources		
Asmts in RAM	2015		

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

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	•	-	-	-	-	
F	•	-	-	-	-	
ER	-	-	-	-	-	
TC	-	-	-			
TL	TL-MT	2015	51			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	-	-	-			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

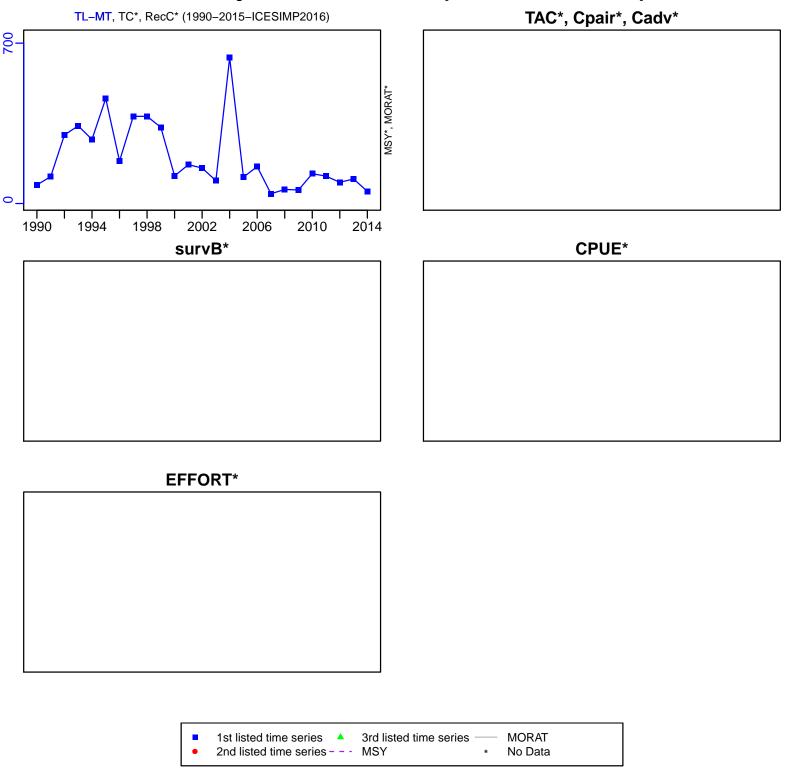
◆ Start Year ◆ End Year \* No Data

Roundnose grenadier I-II-IV-Va2-VIII-IX-XIVab2 [RNGENI-II-IV-Va2-VIII-IX-XIVab2]

TB*	SSB*
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	arget BRP — Rec-Est

No Data

- - MSY-based BRP - - - Lim BRP



Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGENMATLR-1980-2015-ICESIMP2016
Area	Mid-Atlantic Ridge (Xb, XIIc, Va1, XIIa1, XIVb1)
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2015

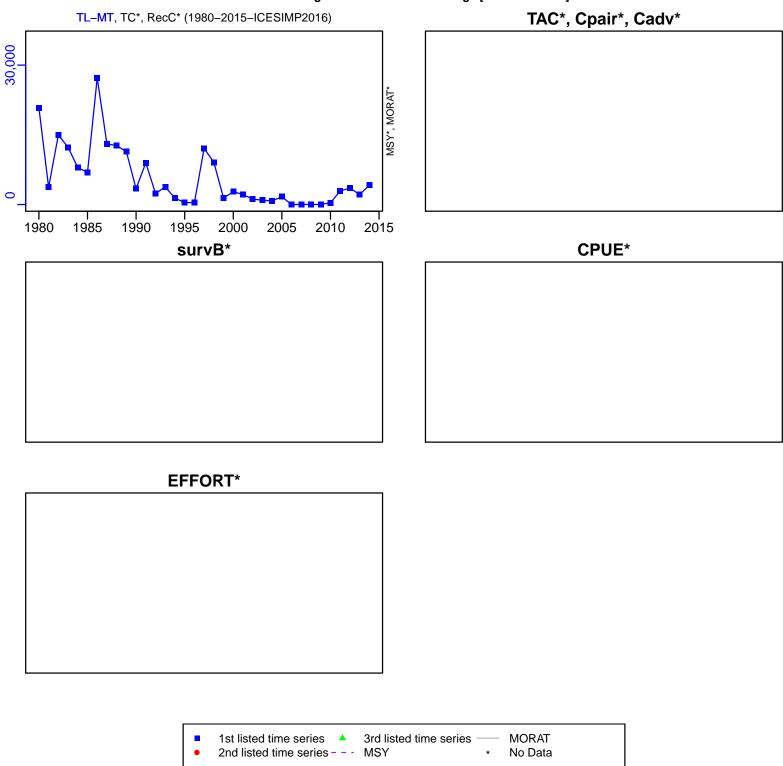
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	•	-	-	-	-
F	•	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	3480		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	ı	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

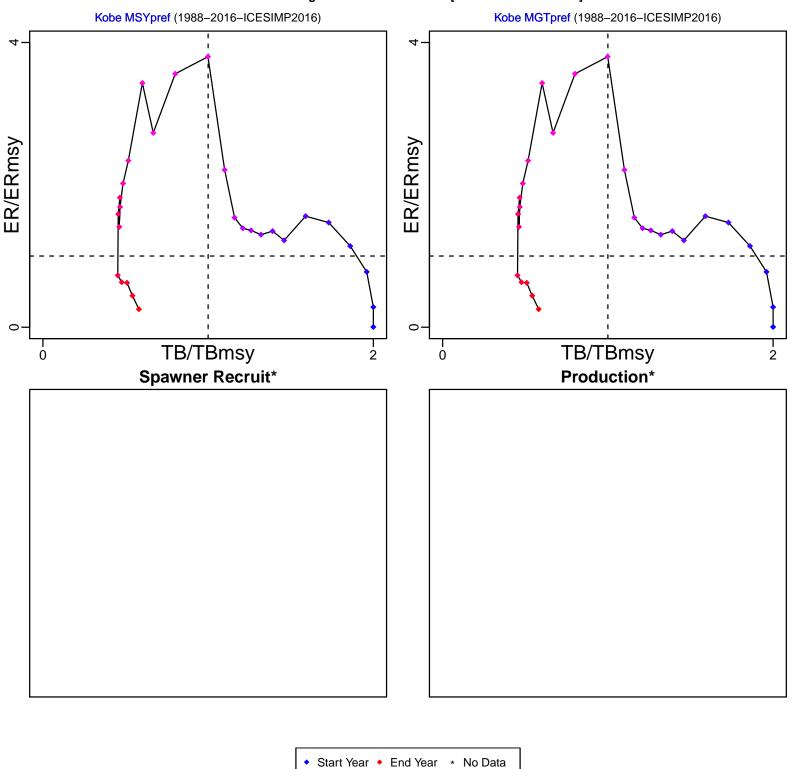
TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data



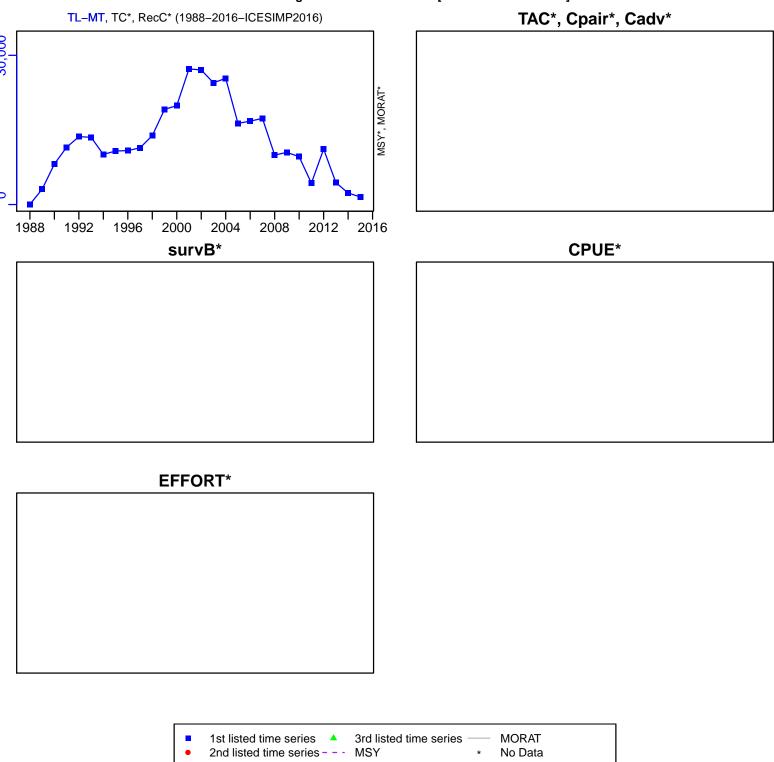
Metadata	
Scientific Name	Coryphaenoides rupestris
Current Assess ID	WGDEEP-RNGENVb-VI-VII-XIIb-1988-2016-ICESIMP2016
Area	Vb-VI-VII-XIIb
Management Authority	International Council for the Exploration of the Sea
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources
Asmts in RAM	2016

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
TB	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	1360		
TB/TBmsy	TBdivTBmsy-dimensionless	2016	0.58		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ERdivERmsy-dimensionless	2016	0.25		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



TB*	SSB*
TN *	F*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



Metadata		
Scientific Name	Coryphaenoides rupestris	
Current Assess ID	WGDEEP-RNGRENIIIa-1988-2016-ICESIMP2016	
Area	Kattegat and Skagerrak	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources	
Asmts in RAM	2016	

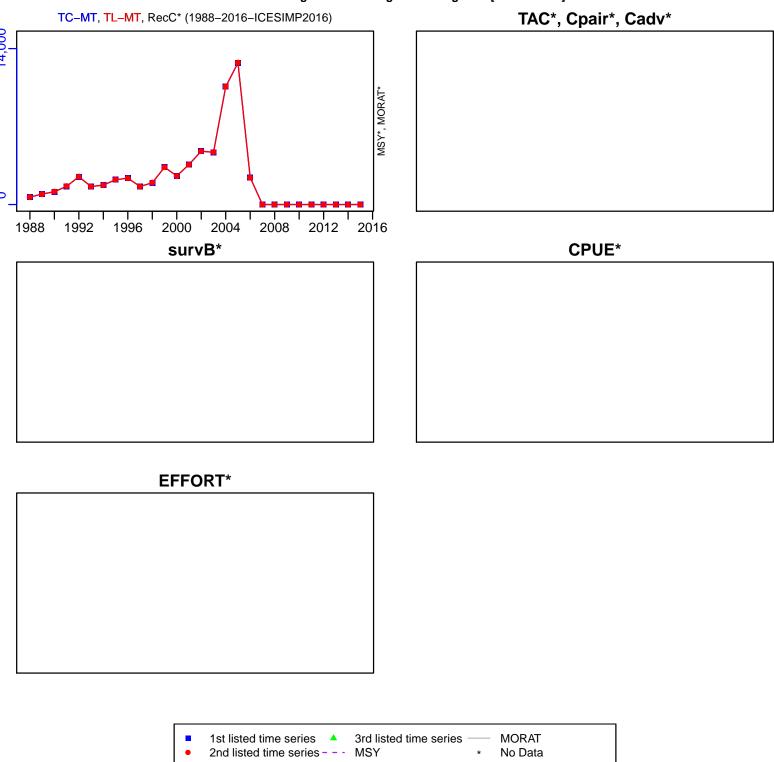
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2016	2		
TL	TL-MT	2016	1		
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

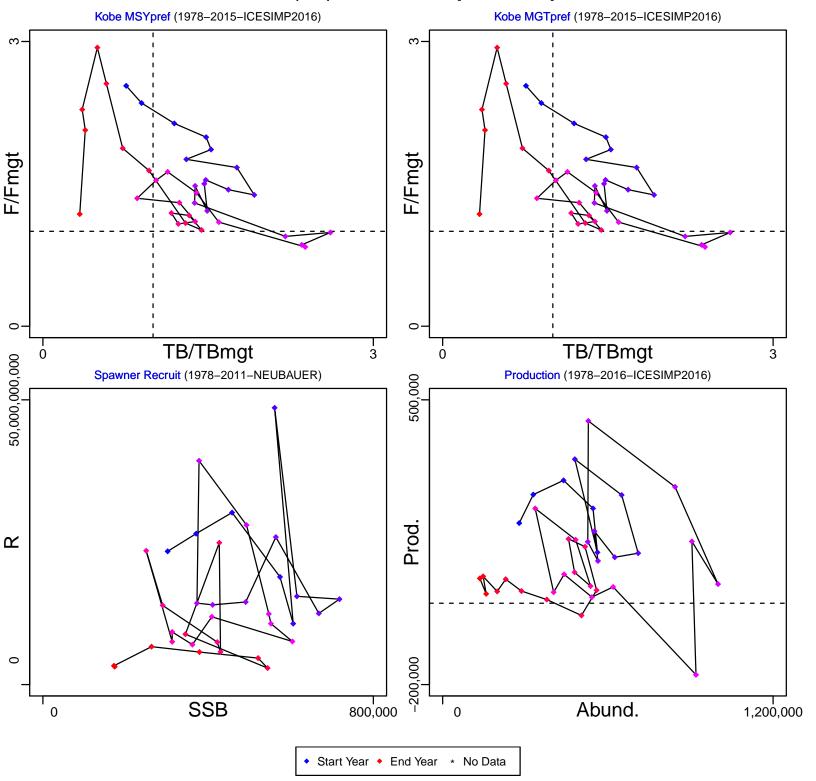
TB*	SSB*
TN *	F*
ER*	Recruits*
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	m BRP ■ No Data

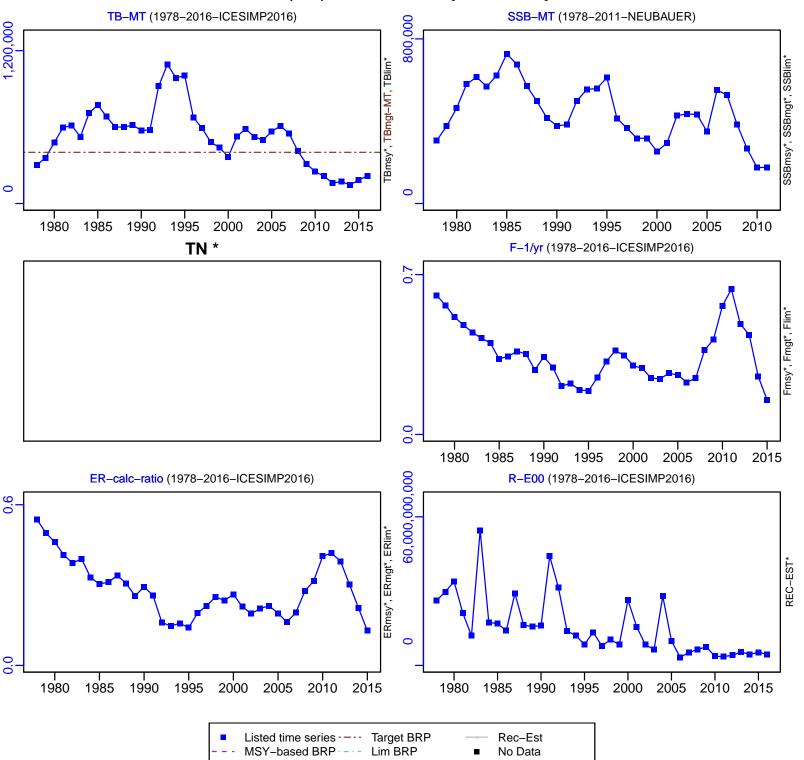


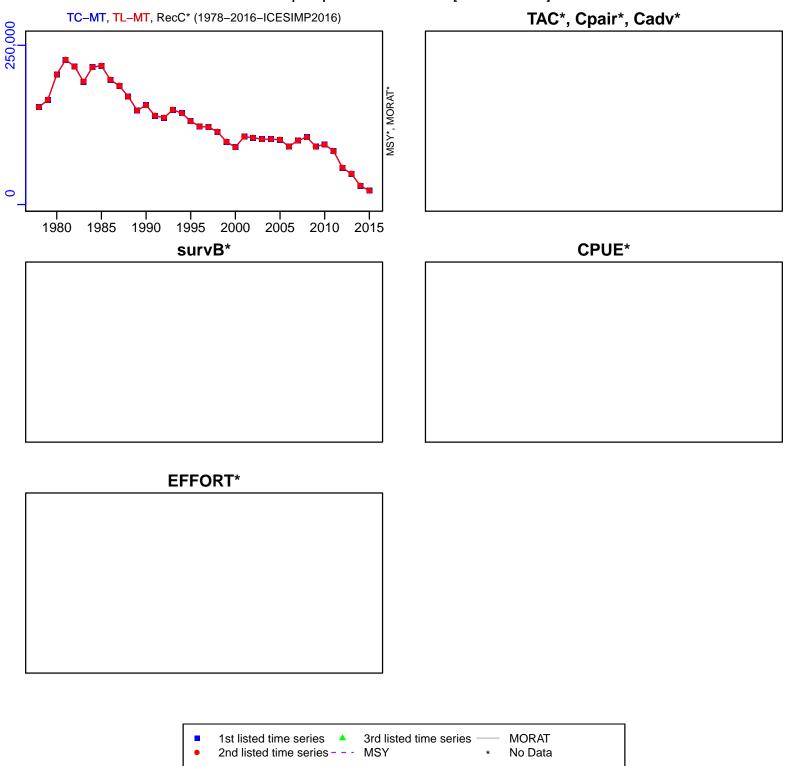
Metadata			
Scientific Name	Sardina pilchardus		
Current Assess ID	WGHANSA-SARDPVIIIc-IXa-1978-2016-ICESIMP2016		
Area VIIIc-IXa			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Southern Horse Mackerel, Anchovy and Sardine		
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	TBmgt-MT	2016	368,400	
SSBmgt	-	-	-	
Fmgt	Fmgt-1/yr	2015	0.23	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2011	0.33	
TBlim	TBlim-MT	2015	135,000	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	199,000	-	-
SSB	SSB-MT	2011	174,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$4.01 \times 10^{9}$	-	0
F	F-1/yr	2016	0.14	-	2 to 5
ER	ER-calc-ratio	2016	0.12	-	-
TC	TC-MT	2016	21,000		
TL	TL-MT	2016	21,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	1	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	TB-MT/TBmgt-MT	2016	0.54		
SSB/SSBmgt	-	-	-		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	1.18		
ER/ERmgt	-	-	-		



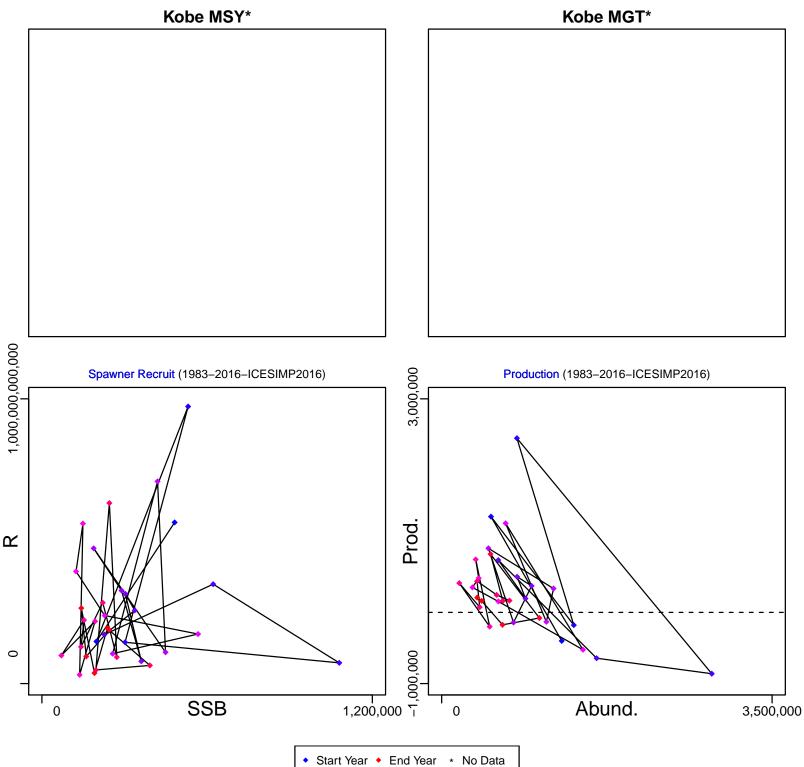


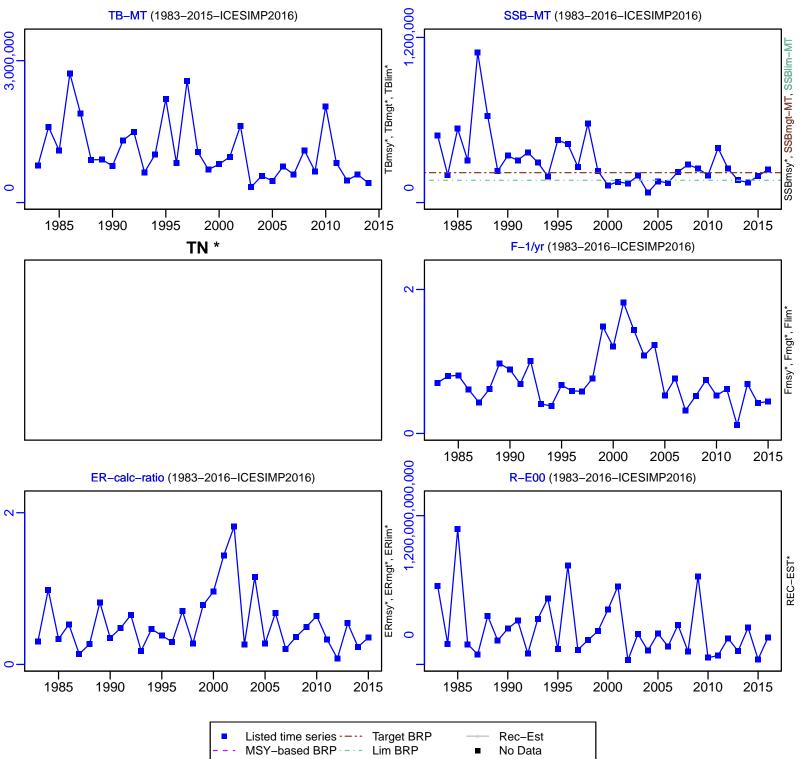


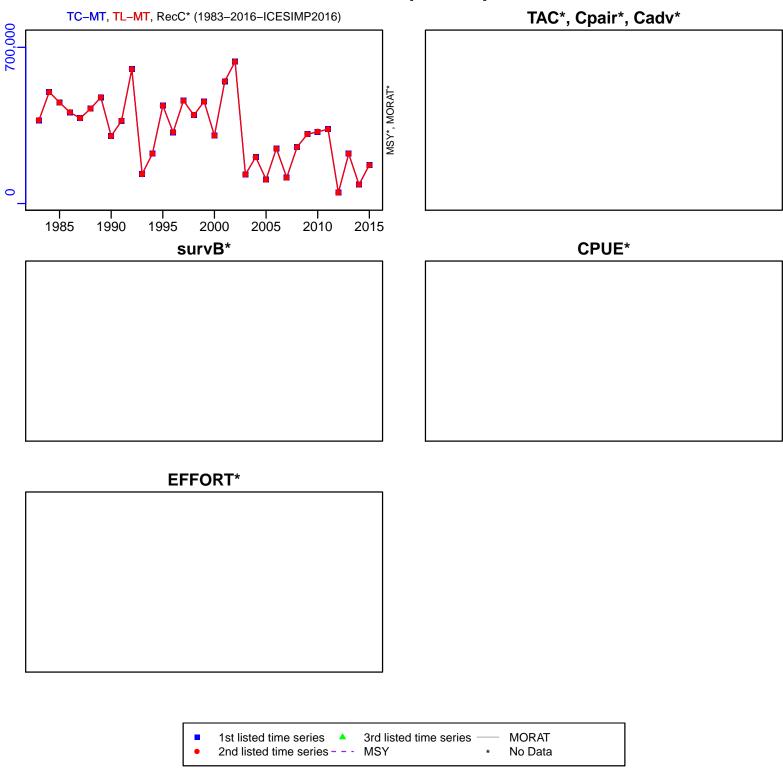
Metadata			
Scientific Name	Ammodytes marinus		
Current Assess ID	HAWG-SEELNSSA1-1983-2016-ICESIMP2016		
Area	Sandeel Area 1		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Herring Assessment Working Group for the Area South of 62N		
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	215,000	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	TBlim-MT	2011	160,000	
SSBlim	SSBlim-MT	2016	160,000	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	351,000	-	-
SSB	SSB-MT	2016	238,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$1.95\times10^{11}$	-	0
F	F-1/yr	2016	0.38	-	1 to 2
ER	ER-calc-ratio	2016	0.32	-	-
TC	TC-MT	2016	162,000		
TL	TL-MT	2016	162,000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.11		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



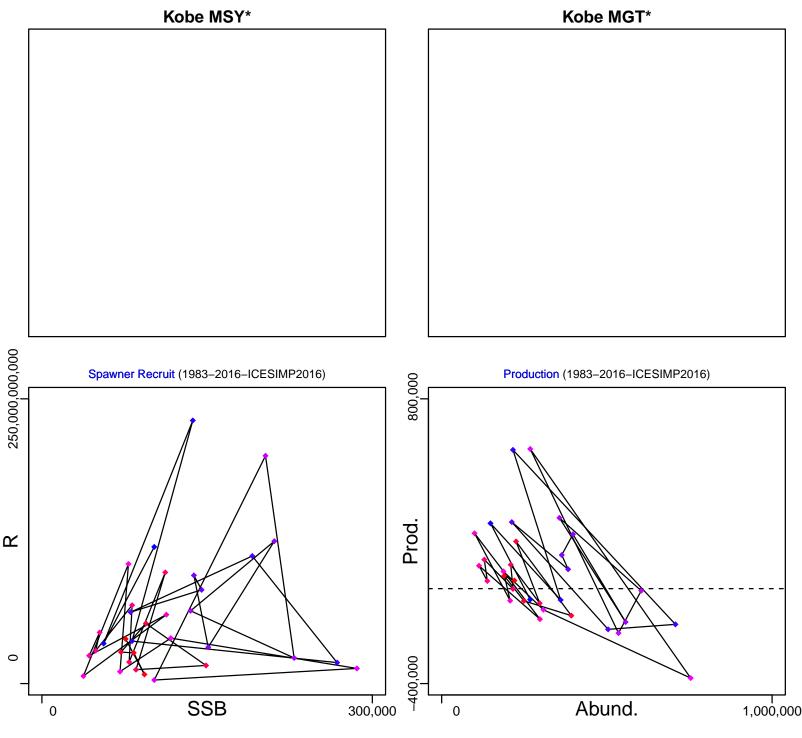




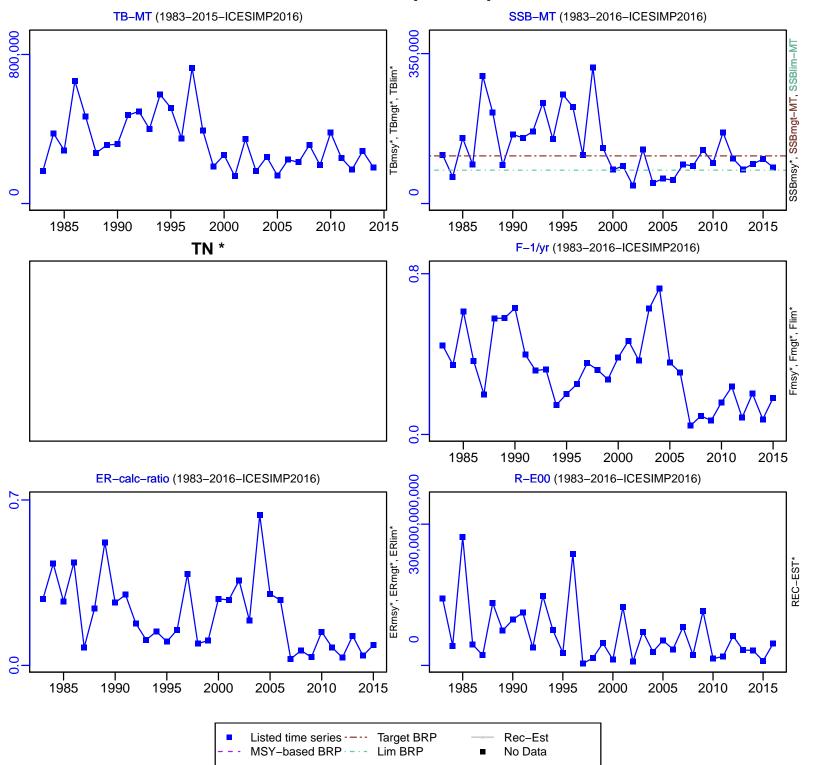
Metadata			
Scientific Name	Ammodytes marinus		
Current Assess ID	HAWG-SEELNSSA2-1983-2016-ICESIMP2016		
Area Sandeel Area 2			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Herring Assessment Working Group for the Area South of 62N		
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

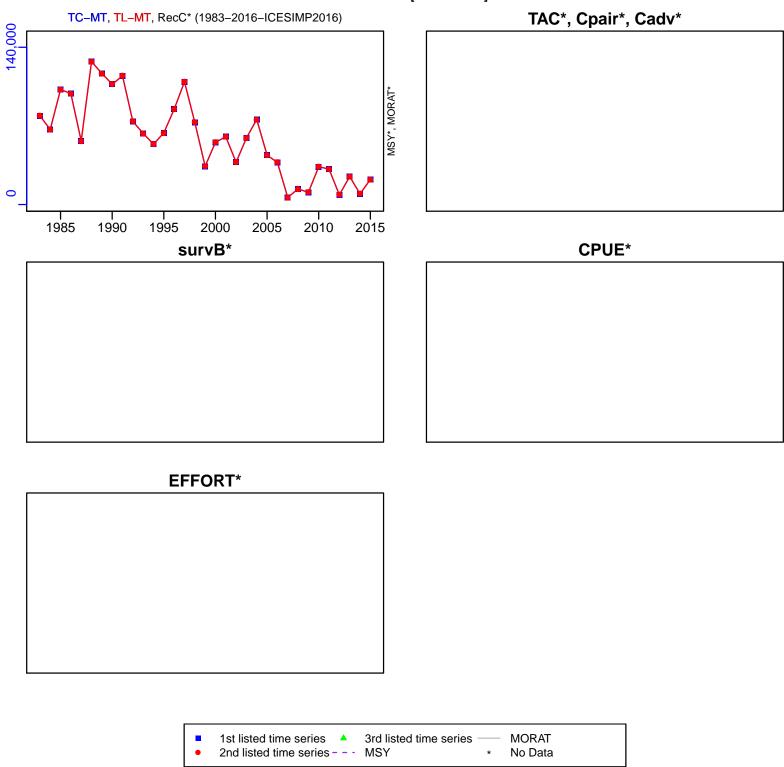
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	$1 \times 10^5$	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	TBlim-MT	2011	70,000	
SSBlim	SSBlim-MT	2016	70,000	
Flim	-	-	-	
ERlim	-	-	-	

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	174,000	-	-	
SSB	SSB-MT	2016	76,000	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	$3.92 \times 10^{10}$	-	0	
F	F-1/yr	2016	0.18	-	1 to 2	
ER	ER-calc-ratio	2016	0.09	-	-	
TC	TC-MT	2016	21,000			
TL	TL-MT	2016	21,000			
TB/TBmsy	-	-	-			
SSB/SSBmsy	-	-	-			
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.76			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



Start Year • End Year • No Data

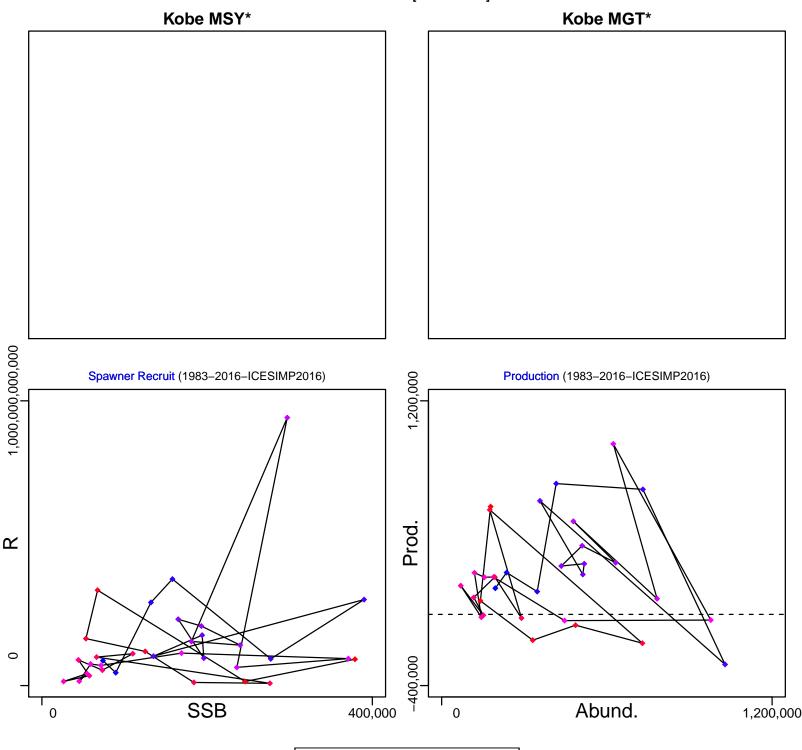




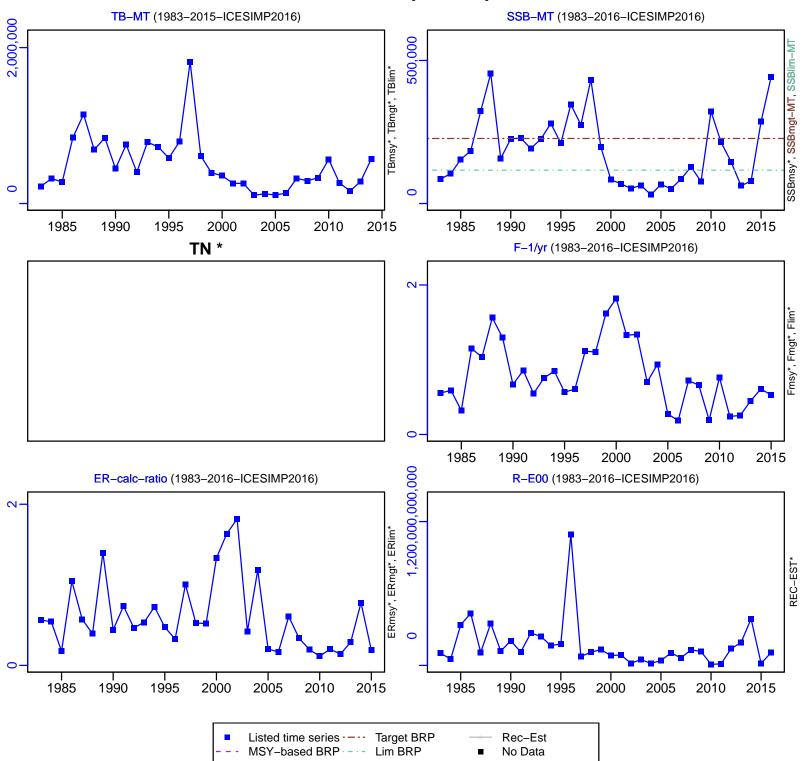
Metadata			
Scientific Name	Ammodytes marinus		
Current Assess ID	HAWG-SEELNSSA3-1983-2016-ICESIMP2016		
Area Sandeel Area 3			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Herring Assessment Working Group for the Area South of 62N		
Asmts in RAM	2013, 2014, 2015, 2016, 2011		

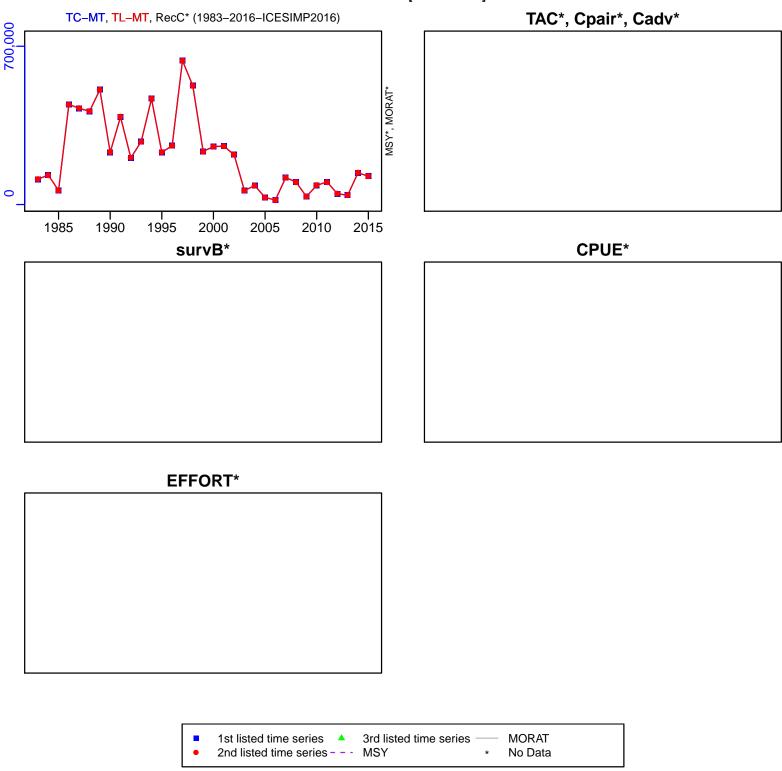
Reference Points						
Туре	ID	Asmt Year	Value			
TBmsy	-	-	-			
SSBmsy	-	-	-			
Fmsy	-	-	-			
ERmsy	-	-	-			
TBmgt	-	-	-			
SSBmgt	SSBmgt-MT	2016	195,000			
Fmgt	-	-	-			
ERmgt	-	-	-			
TB0	-	-	-			
SSB0	-	-	-			
MSY	-	-	-			
M	-	-	-			
TBlim	TBlim-MT	2011	$1 \times 10^5$			
SSBlim	SSBlim-MT	2016	$1 \times 10^5$			
Flim	-	-	-			
ERlim	-	-	-			

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	TB-MT	2015	535,000	-	-	
SSB	SSB-MT	2016	379,000	-	-	
TN	-	-	-	-	-	
R	R-E00	2016	$9.25 \times 10^{10}$	-	0	
F	F-1/yr	2016	0.48	-	1 to 2	
ER	ER-calc-ratio	2016	0.18	-	-	
TC	TC-MT	2016	119,000			
TL	TL-MT	2016	119,000	]		
TB/TBmsy	-	-	-	1		
SSB/SSBmsy	-	-	-	]		
F/Fmsy	-	-	-			
ER/ERmsy	-	-	-			
TB/TBmgt	-	-	-			
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.94			
F/Fmgt	-	-	-			
ER/ERmgt	-	-	-			



Start Year • End Year • No Data





Metadata			
Scientific Name	Ammodytes marinus		
Current Assess ID	HAWG-SEELNSSA5-1983-2015-ICESIMP2016		
Area	Sandeel Area 5		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Herring Assessment Working Group for the Area South of 62N		
Asmts in RAM	2015		

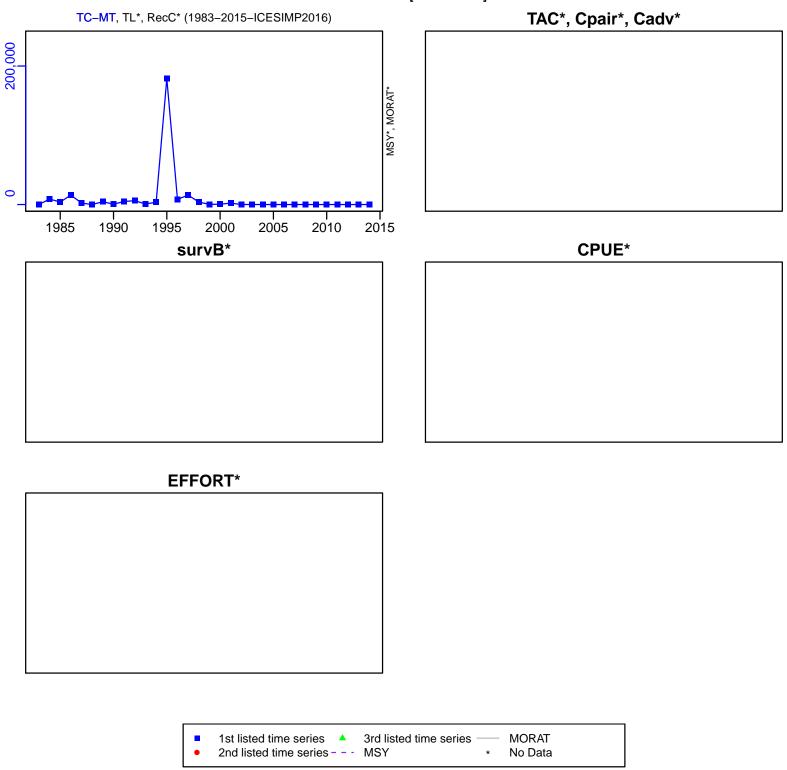
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2015	0			
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*
■ Listed time porice T	orgat PPD —— Pop Est
Listed time series Ta	arget BRP — Rec–Est im BRP ■ No Data



Metadata			
Scientific Name	Ammodytes marinus		
Current Assess ID	HAWG-SEELNSSA6-1983-2015-ICESIMP2016		
Area	Sandeel Area 6		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Herring Assessment Working Group for the Area South of 62N		
Asmts in RAM	2015		

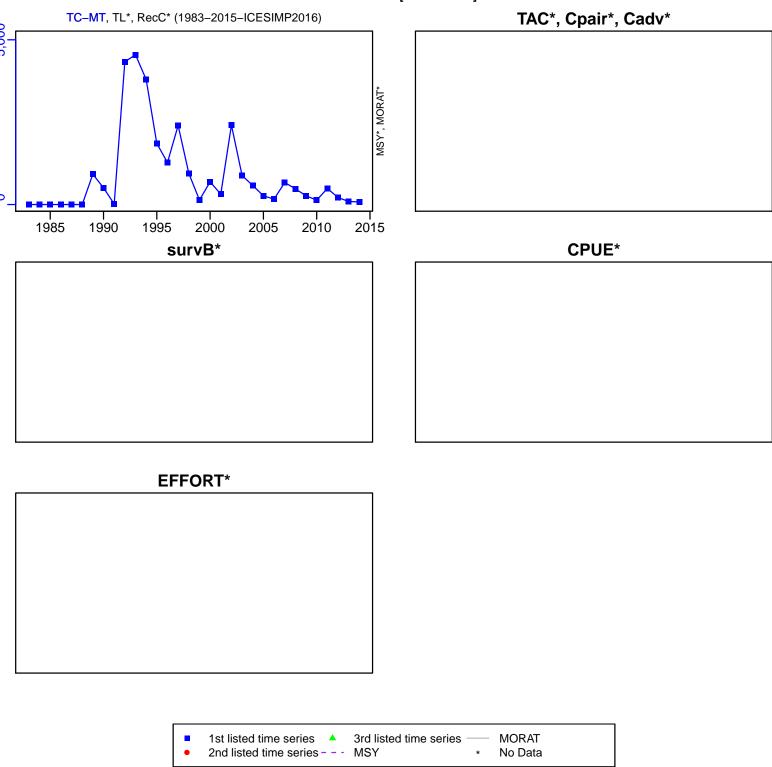
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series						
Туре	ID	Asmt Year	Curr Value	Sex	Age	
ТВ	-	-	-	-	-	
SSB	-	-	-	-	-	
TN	-	-	-	-	-	
R	-	-	-	-	-	
F	-	-	-	-	-	
ER	-	-	-	-	-	
TC	TC-MT	2015	79			
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*
ED.	D 14 . W
ER*	Recruits*
Listed time series T	proof PPD —— Poc. Ect
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data



Metadata		
Scientific Name	Ammodytes marinus	
Current Assess ID	HAWG-SEELNSSA7-1983-2015-ICESIMP2016	
Area	Sandeel Area 7	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Herring Assessment Working Group for the Area South of 62N	
Asmts in RAM	2015	

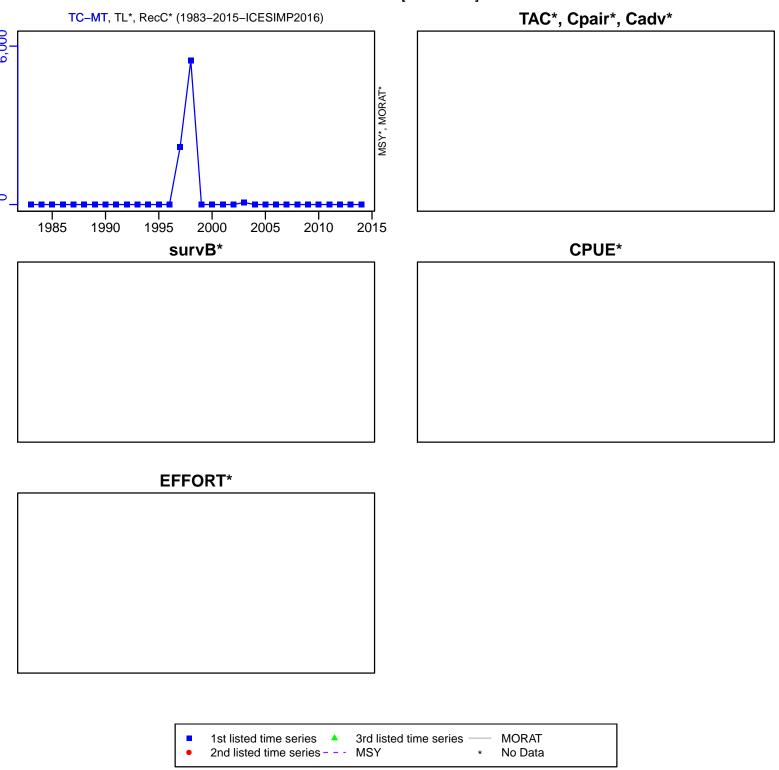
Reference Points					
Type ID Asmt Year Value					
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	TC-MT	2015	0		
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

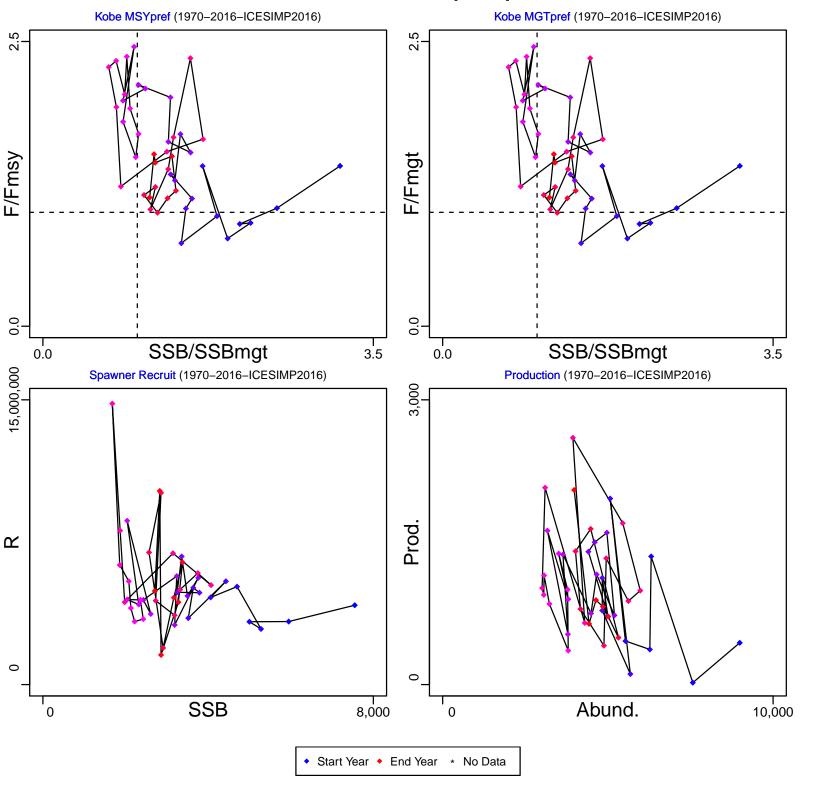
TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Reciuits
■ Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
MSY-based BRP Li	m BRP ■ No Data

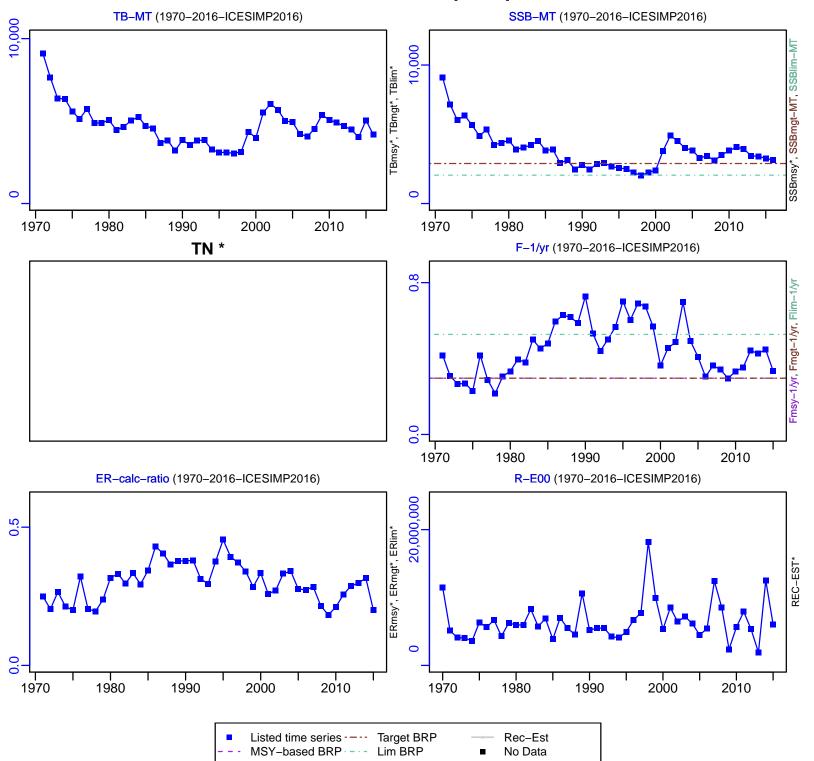


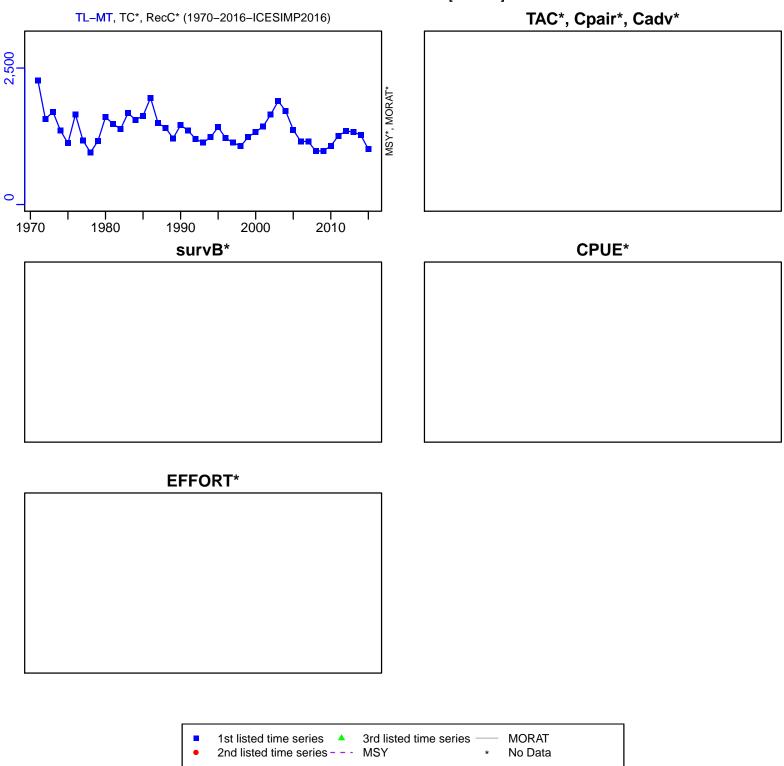
Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGCSE-SOLECS-1970-2016-ICESIMP2016	
Area Celtic Sea		
Management Authority International Council for the Exploration of the Se		
Assessor Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2013, 2014, 2015, 2016, 2011	

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.27
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	2400
Fmgt	Fmgt-1/yr	2016	0.27
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	1700
Flim	Flim-1/yr	2016	0.48
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	4130	-	-
SSB	SSB-MT	2016	2600	-	-
TN	-	-	-	-	-
R	R-E00	2016	4,930,000	-	1
F	F-1/yr	2016	0.3	-	4 to 8
ER	ER-calc-ratio	2016	0.17	-	-
TC	-	-	-		
TL	TL-MT	2016	830	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.13		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.08		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.13		
ER/ERmgt	-	-	-		





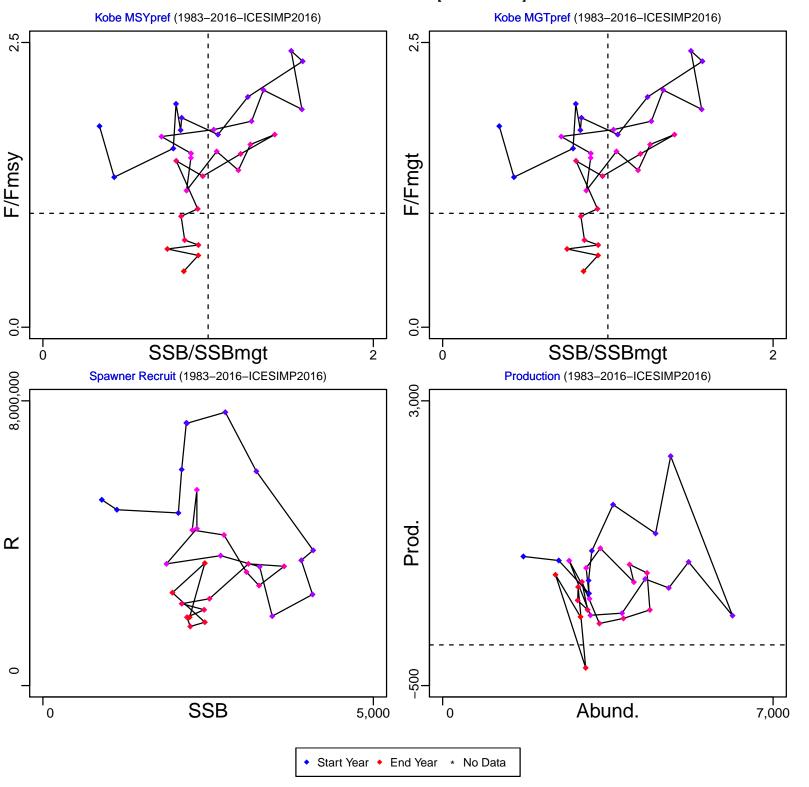


# Common sole 22-24-IIIa [SOLEIIIa-2224]

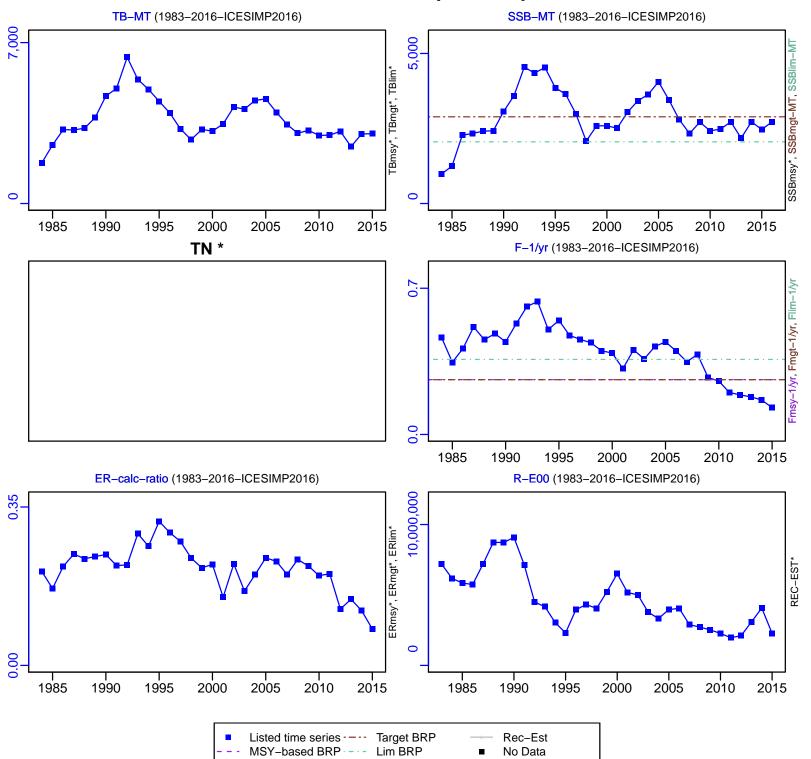
Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGBFAS-SOLEIIIa-2224-1983-2016-ICESIMP2016	
Area	22-24-IIIa	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Baltic Fisheries Assessment Working Group	
Asmts in RAM	2013, 2014, 2015, 2016, 2011	

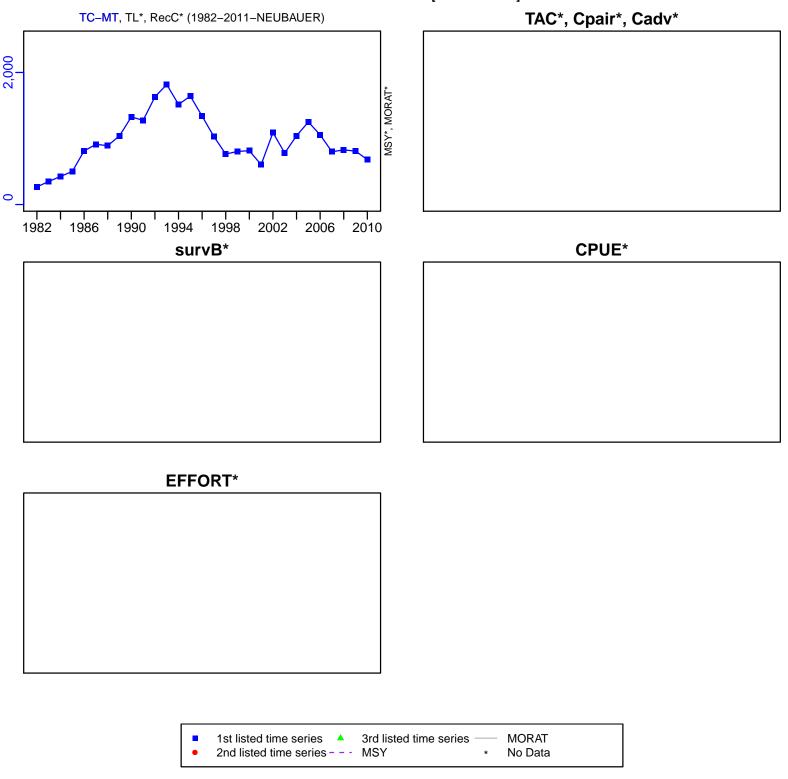
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.23
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	2600
Fmgt	Fmgt-1/yr	2016	0.23
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	M-1/yr	2011	0.1
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	1850
Flim	Flim-1/yr	2016	0.32
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	2930	-	-
SSB	SSB-MT	2016	2450	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,920,000	-	1
F	F-1/yr	2016	0.11	-	4 to 8
ER	ER-calc-ratio	2016	0.08	-	-
TC	TC-MT	2011	538		
TL	TL-MT	2016	224	1	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.49		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.94		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.49		
ER/ERmgt	-	-	-		



#### Common sole 22-24-IIIa [SOLEIIIa-2224]

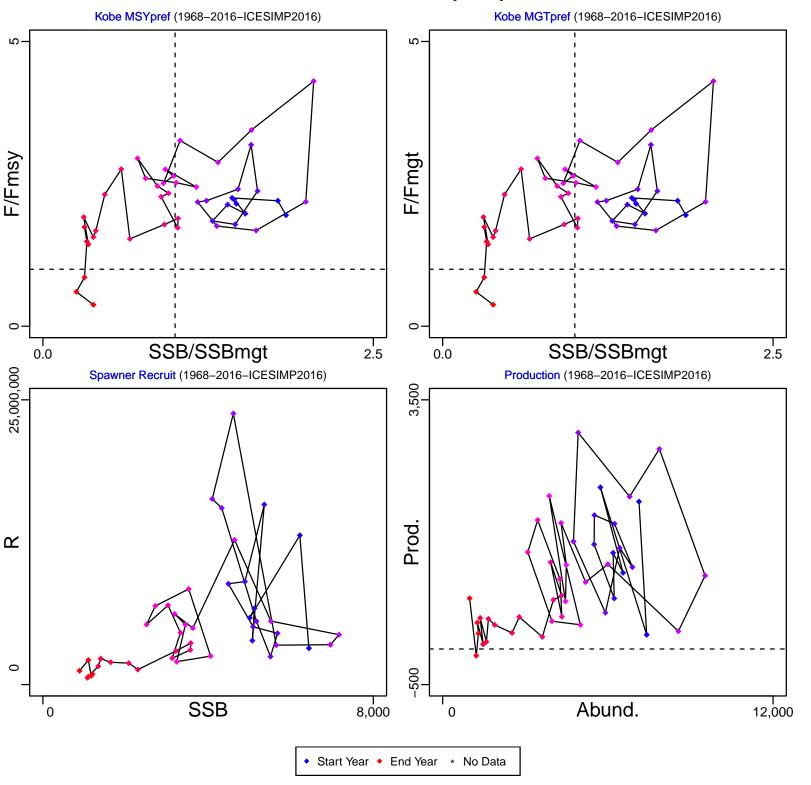


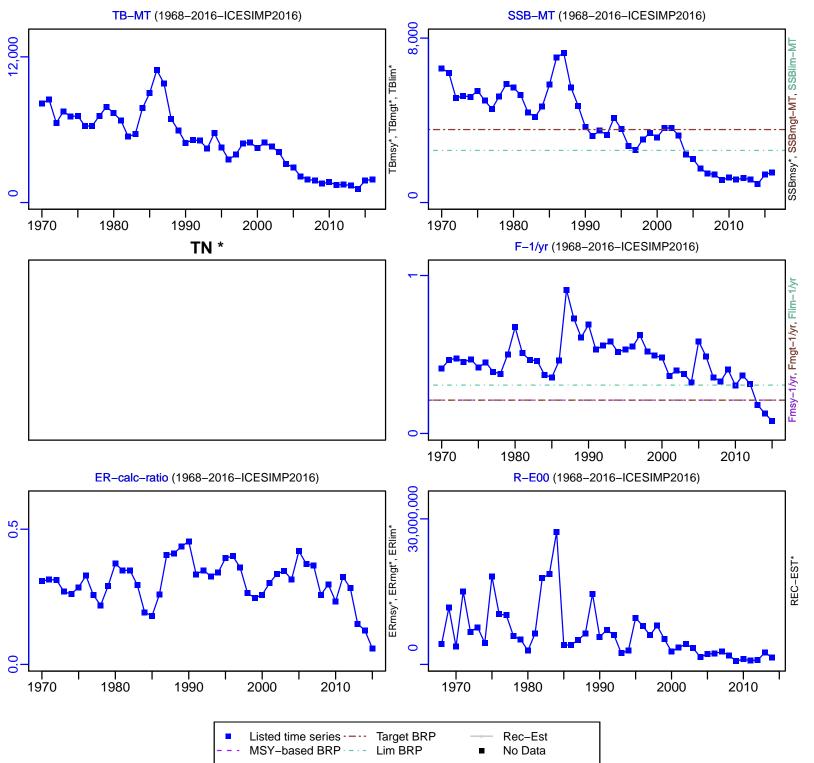


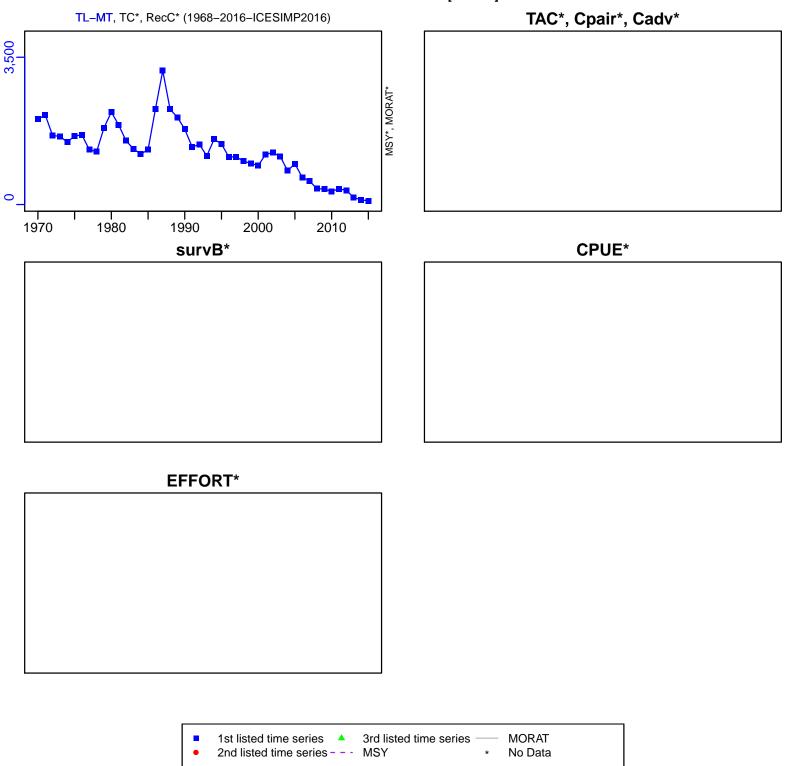
Metadata		
Scientific Name Solea solea		
Current Assess ID	WGCSE-SOLEIS-1968-2016-ICESIMP2016	
Area	Irish Sea	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2013, 2014, 2015, 2016, 2011	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.2	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	3500	
Fmgt	Fmgt-1/yr	2016	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	M-1/yr	2011	0.1	
TBlim	TBlim-MT	2011	2200	
SSBlim	SSBlim-MT	2016	2500	
Flim	Flim-1/yr	2016	0.29	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	1660	-	-
SSB	SSB-MT	2016	1450	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,210,000	-	2
F	F-1/yr	2016	0.08	-	4 to 7
ER	ER-calc-ratio	2016	0.05	-	-
TC	-	-	-		
TL	TL-MT	2016	76	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.38		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.41		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.38		
ER/ERmgt	-	-	-		



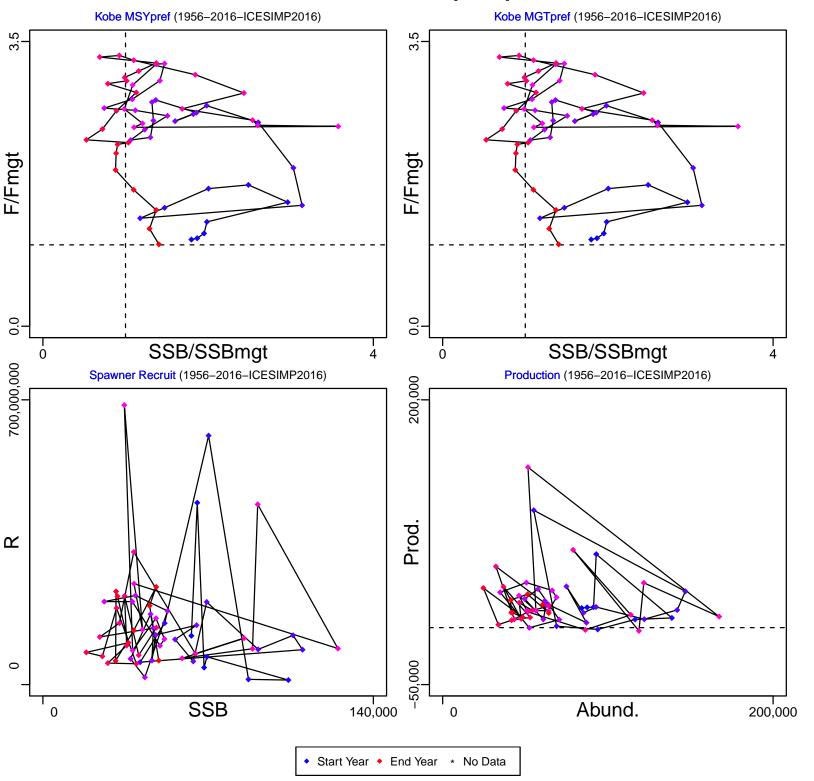


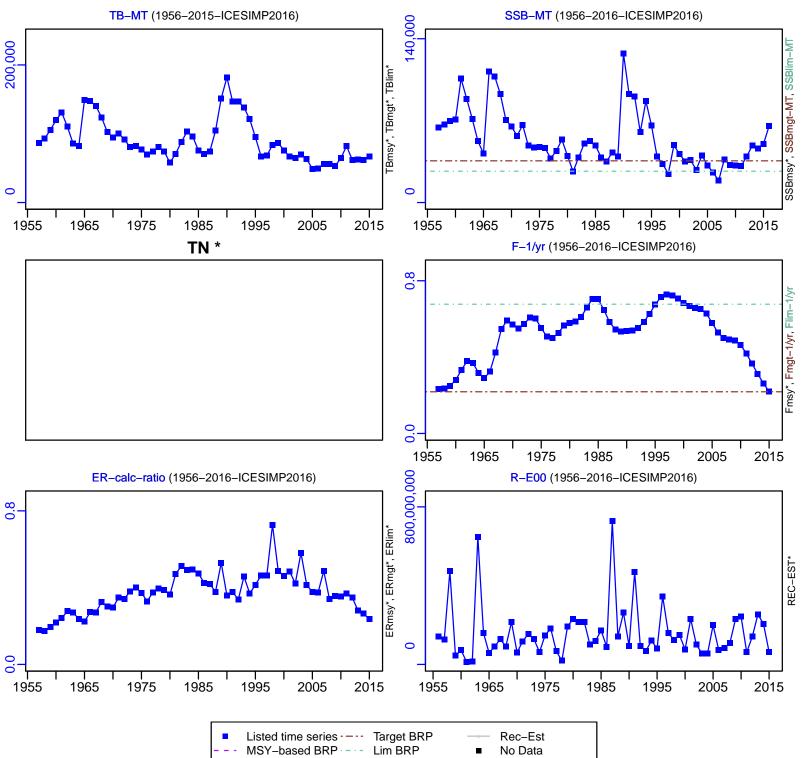


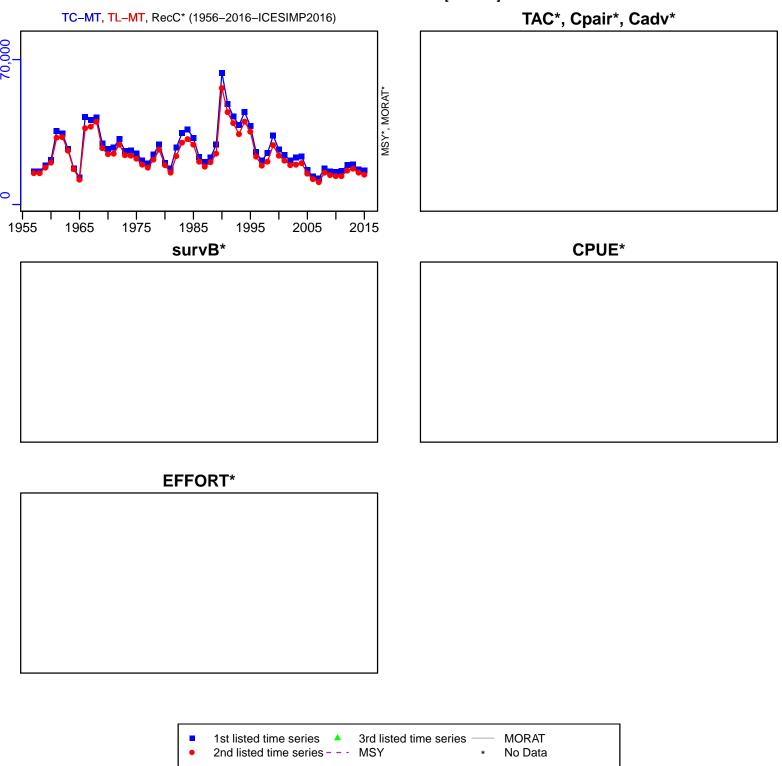
Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGNSSK-SOLENS-1956-2016-ICESIMP2016	
Area North Sea		
Management Authority	nagement Authority International Council for the Exploration of the Sea	
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea	
	and Skagerrak	
Asmts in RAM	2010, 2013, 2014, 2015, 2016	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2010	0.22	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	35,000	
Fmgt	Fmgt-1/yr	2016	0.2	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2010	0.1	
TBlim	TBlim-MT	2010	25,000	
SSBlim	SSBlim-MT	2016	26,300	
Flim	Flim-1/yr	2016	0.62	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2015	55,100	-	-
SSB	SSB-MT	2016	64,300	-	-
TN	-	-	-	-	-
R	R-E00	2016	59,200,000	-	1
F	F-1/yr	2016	0.2	-	2 to 6
ER	ER-calc-ratio	2016	0.22	-	-
TC	TC-MT	2016	14,300		
TL	TL-MT	2016	12,600	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2010	1.55		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.84		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.01		
ER/ERmgt	-	-	-		







Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGCSE-SOLEVIIbc-1993-2015-ICESIMP2016	
Area	VIIbc	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2015	

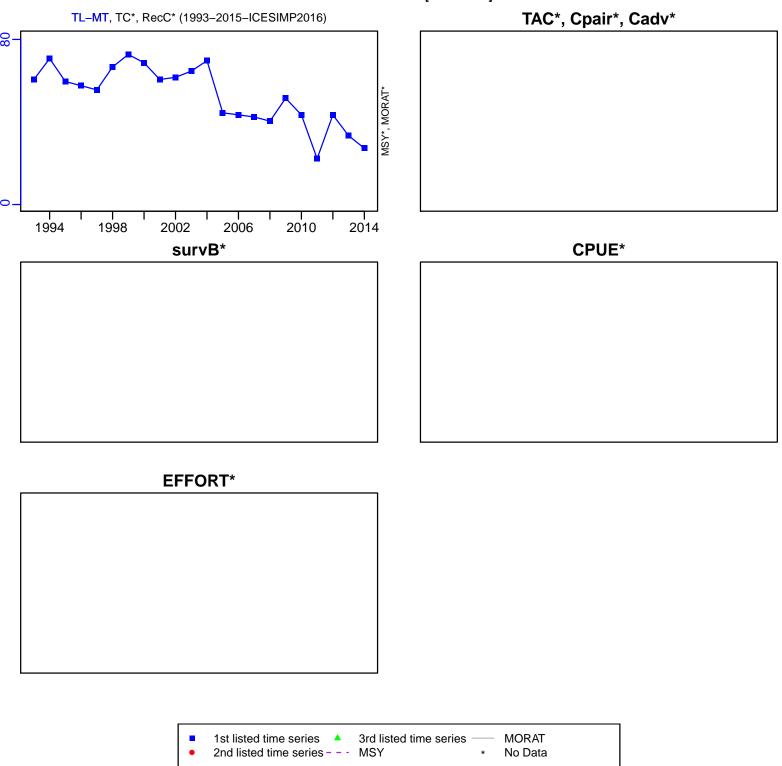
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	27		
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

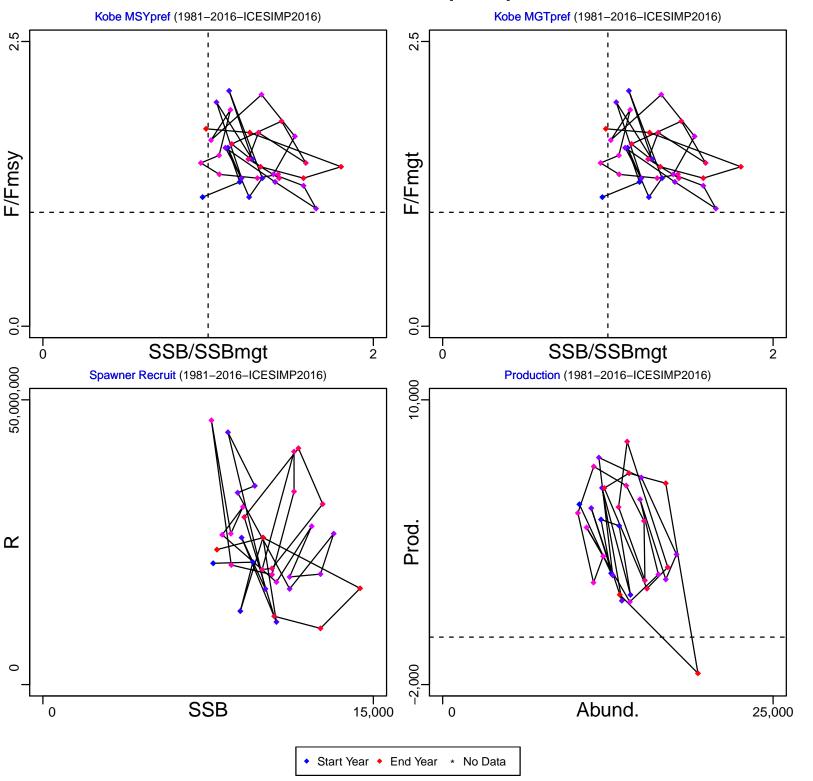
TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

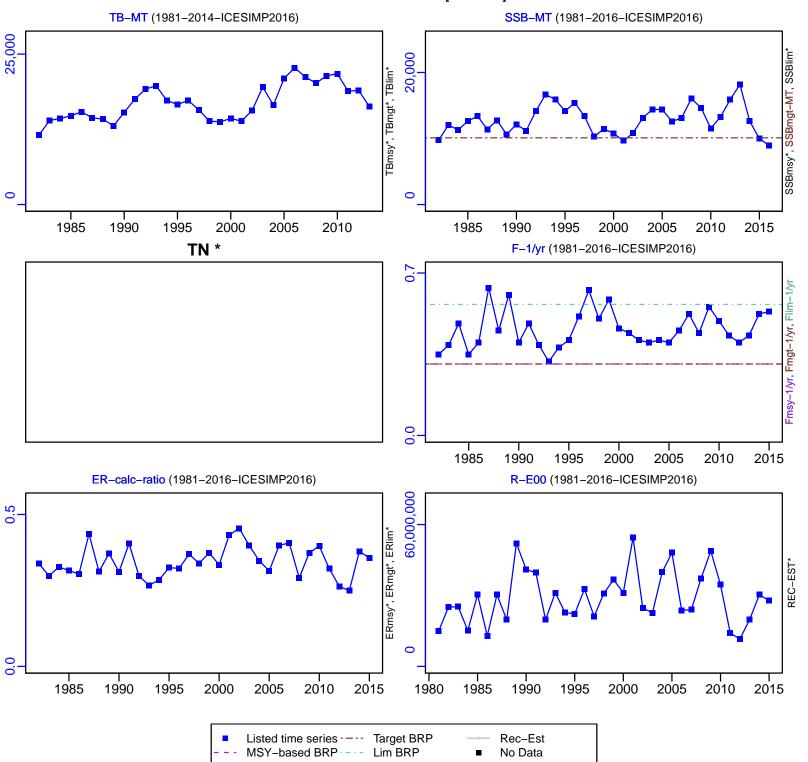


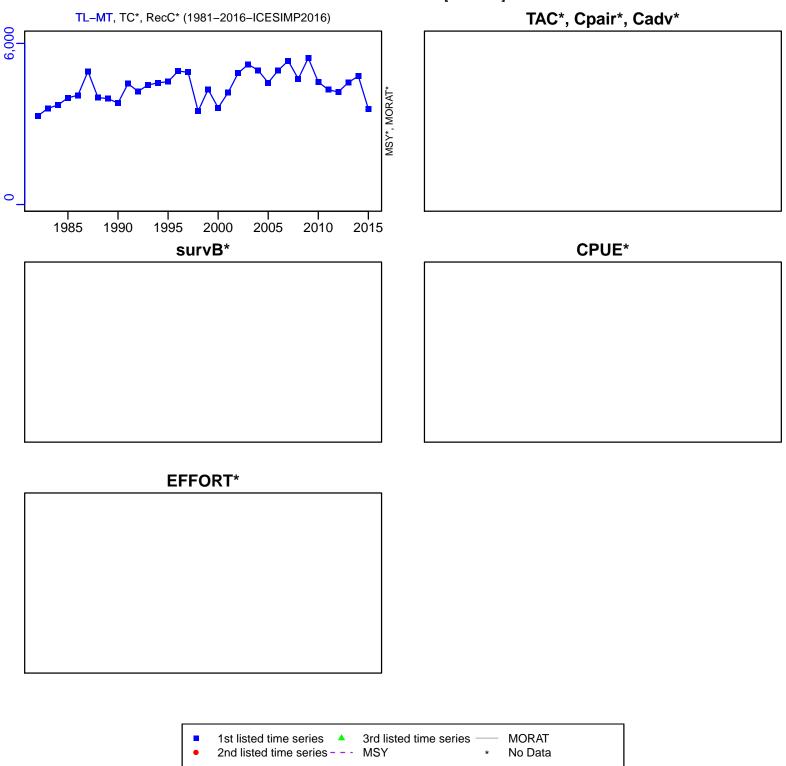
Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGNSSK-SOLEVIId-1981-2016-ICESIMP2016	
Area	Eastern English Channel	
Management Authority	International Council for the Exploration of the Sea	
Assessor Working Group on the Assessment of Demersal Stocks in the North Sea		
	and Skagerrak	
Asmts in RAM	2011, 2013, 2014, 2015, 2016	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.3		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	8000		
Fmgt	Fmgt-1/yr	2016	0.3		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2011	0.1		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	Flim-1/yr	2016	0.55		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	14,700	-	-
SSB	SSB-MT	2016	7080	-	-
TN	-	-	-	-	-
R	R-E00	2016	23,700,000	-	1
F	F-1/yr	2016	0.52	-	3 to 7
ER	ER-calc-ratio	2016	0.33	-	-
TC	-	-	-		
TL	TL-MT	2016	3440		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.73		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.89		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.73		
ER/ERmgt	-	-	-		



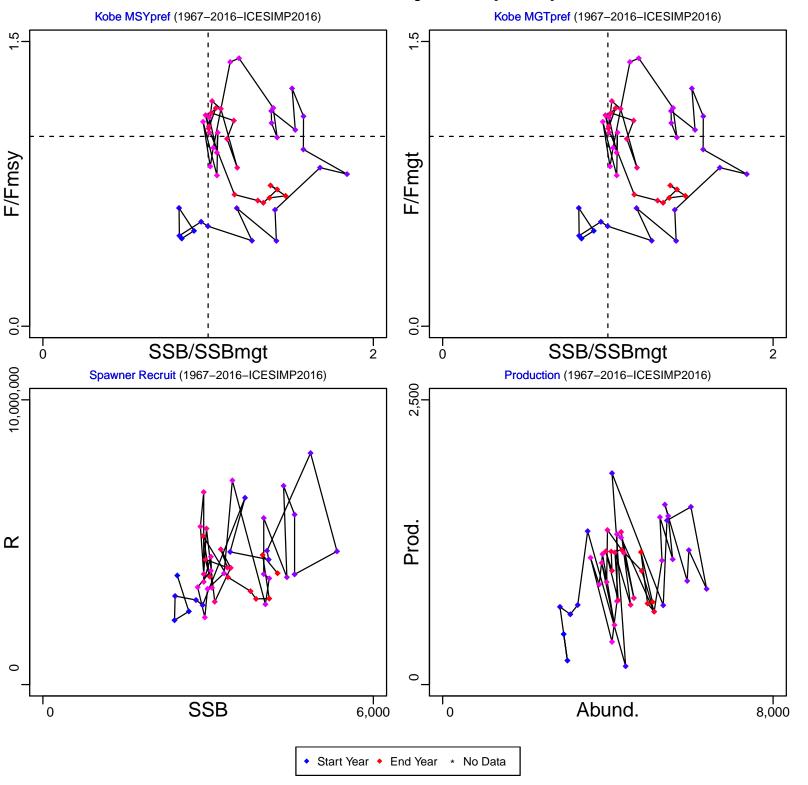


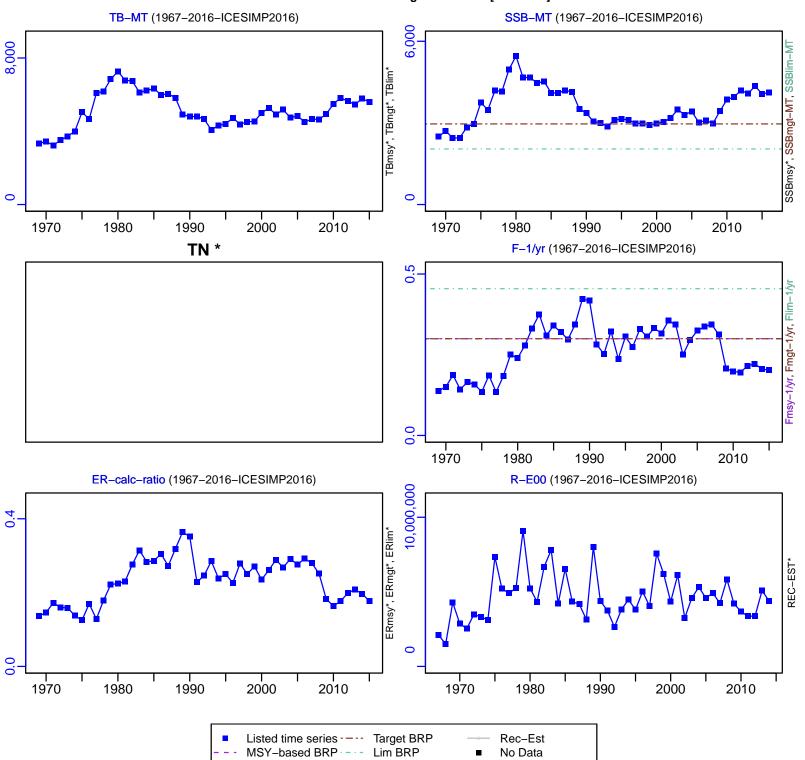


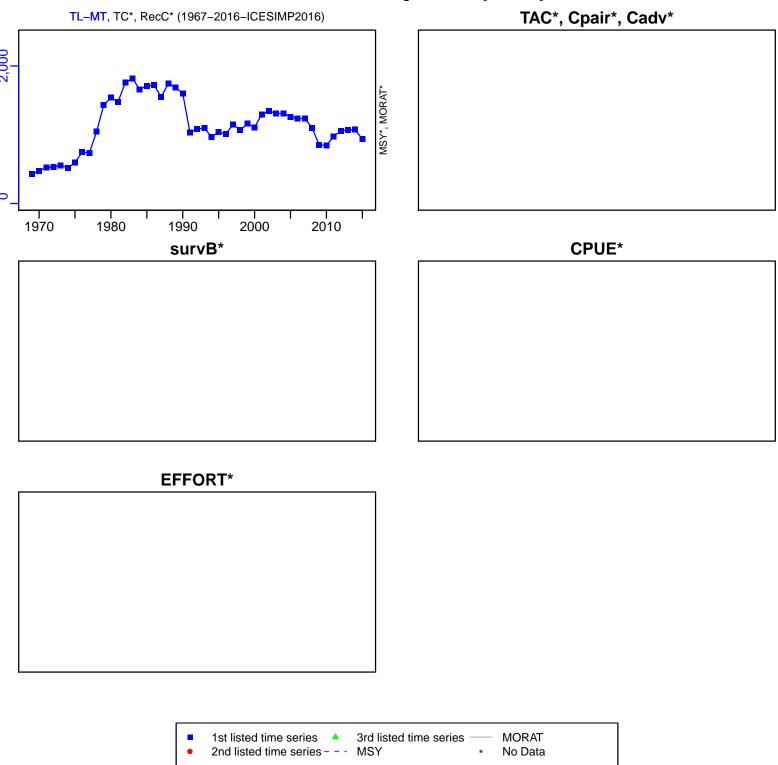
Metadata			
Scientific Name	Solea solea		
Current Assess ID	WGCSE-SOLEVIIe-1967-2016-ICESIMP2016		
Area	Western English Channel		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2015, 2016, 2013, 2014, 2010		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.29	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	2900	
Fmgt	Fmgt-1/yr	2016	0.29	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2010	0.1	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	2000	
Flim	Flim-1/yr	2016	0.44	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	4920	-	-
SSB	SSB-MT	2016	4030	-	-
TN	-	-	-	-	-
R	R-E00	2016	3,910,000	-	2
F	F-1/yr	2016	0.2	-	3 to 9
ER	ER-calc-ratio	2016	0.16	-	-
TC	-	-	-		
TL	TL-MT	2016	772	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.68		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.39		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.68		
ER/ERmgt	-	-	-		





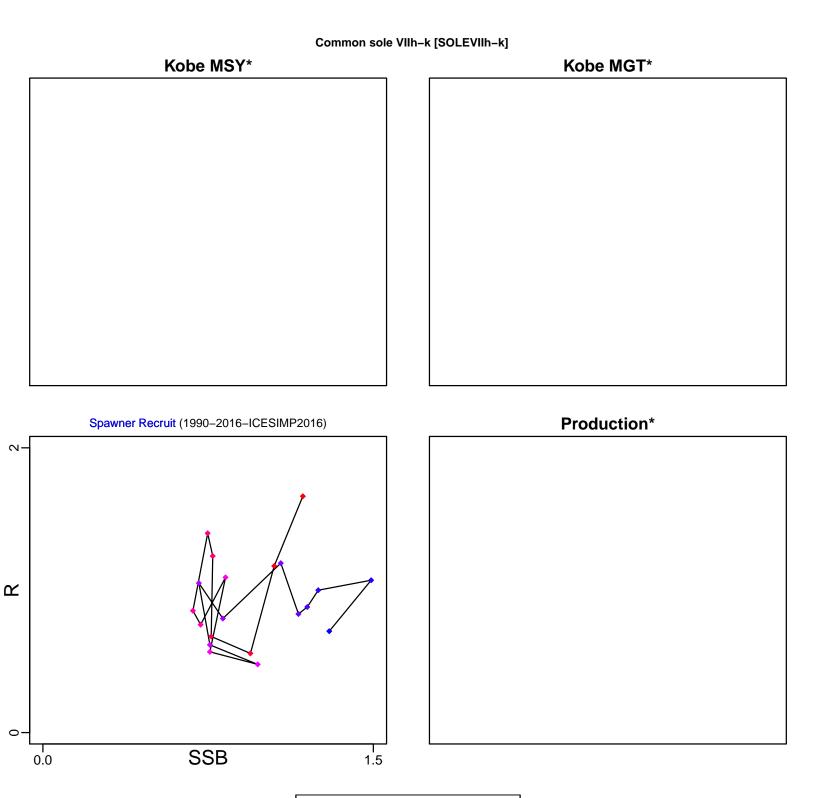


# Common sole VIIh-k [SOLEVIIh-k]

Metadata			
Scientific Name	Solea solea		
Current Assess ID	WGCSE-SOLEVIIh-k-1990-2016-ICESIMP2016		
Area	VIIh-k		
Management Authority	International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems		
Asmts in RAM	2014, 2015, 2016		

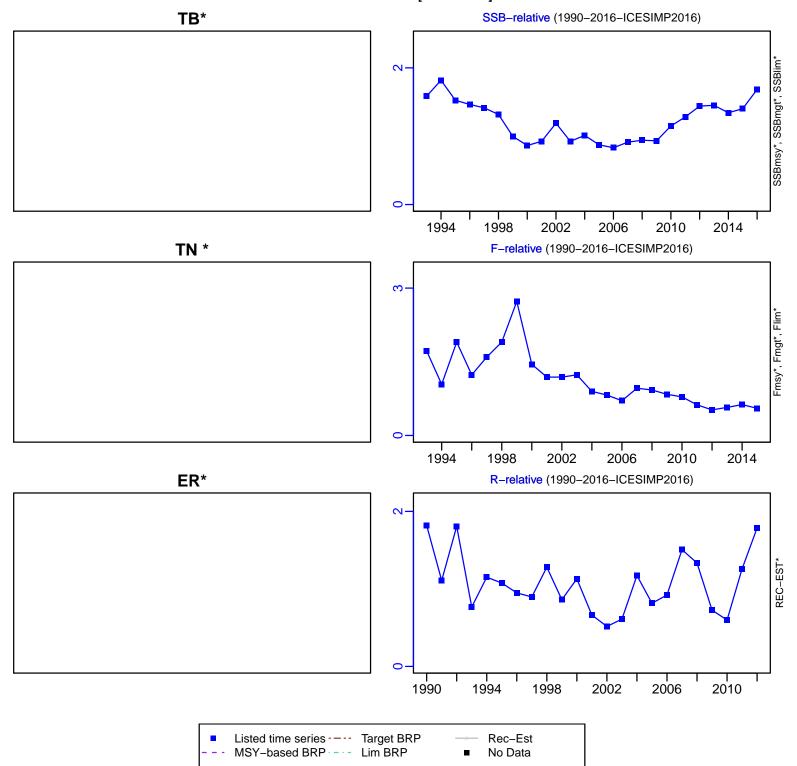
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

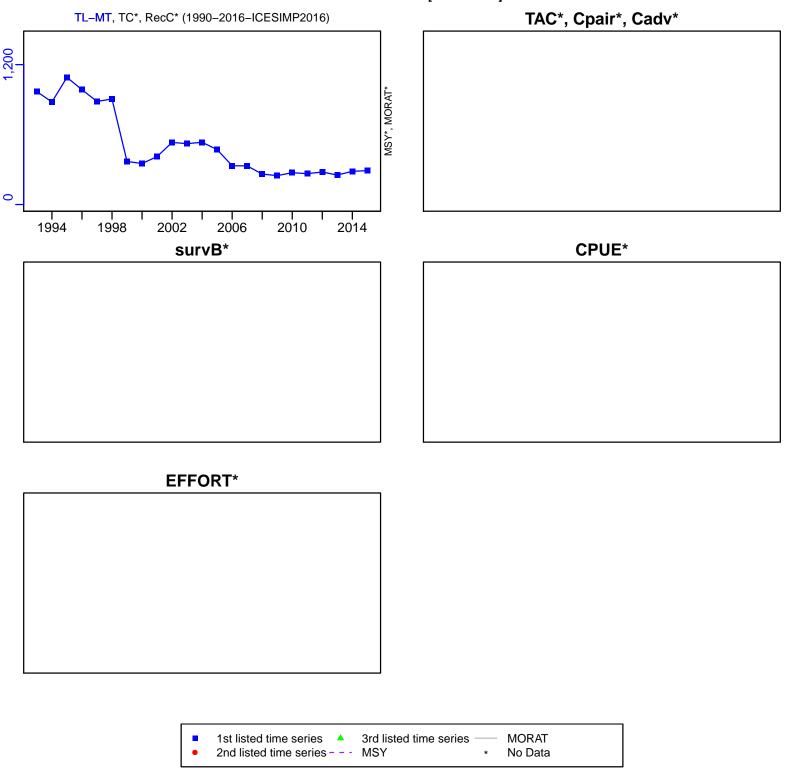
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2016	1	-	-
TN	-	-	-	-	-
R	R-relative	2016	2	-	3
F	F-relative	2016	0.49	-	3 to 6
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	244		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		



Start Year → End Year → No Data

#### Common sole VIIh-k [SOLEVIIh-k]

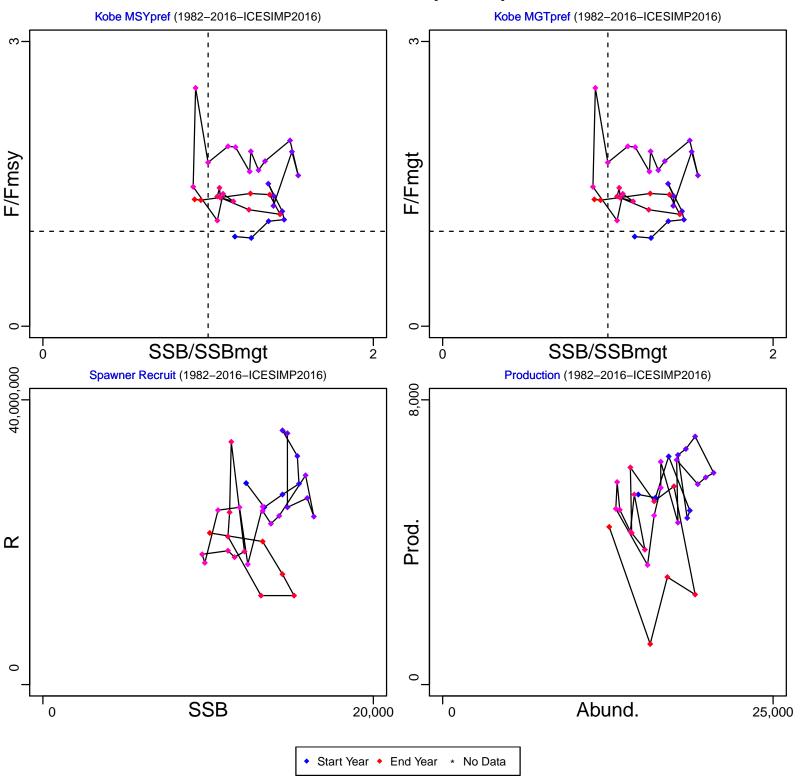


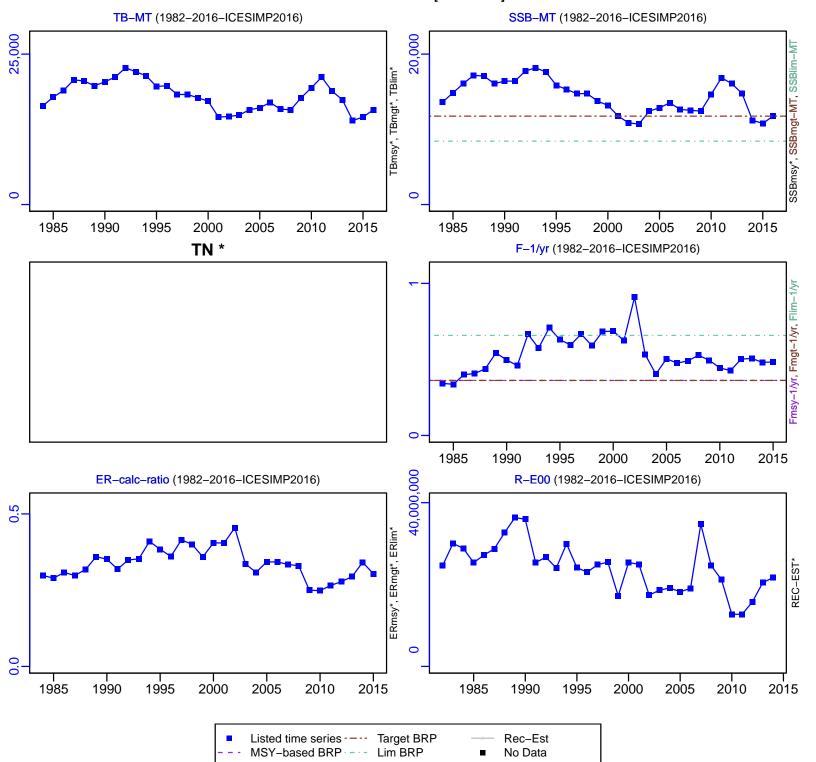


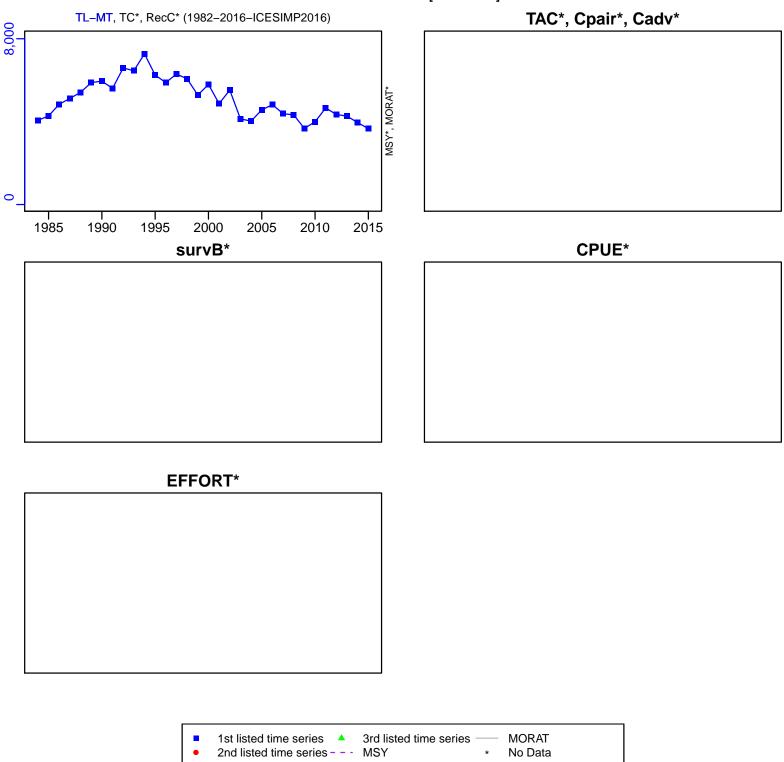
Metadata		
Scientific Name	Solea solea	
Current Assess ID	WGBIE-SOLEVIIIab-1982-2016-ICESIMP2016	
Area	VIIIab	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2016, 2014, 2015, 2011, 2013	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.33	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	10,600	
Fmgt	Fmgt-1/yr	2016	0.33	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	M-1/yr	2011	0.1	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	7600	
Flim	Flim-1/yr	2016	0.6	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	14,200	-	-
SSB	SSB-MT	2016	10,600	-	-
TN	-	-	-	-	-
R	R-E00	2016	21,300,000	-	2
F	F-1/yr	2016	0.44	-	3 to 6
ER	ER-calc-ratio	2016	0.28	-	-
TC	-	-	-		
TL	TL-MT	2016	3640	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.34		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.34		
ER/ERmgt	-	-	-		





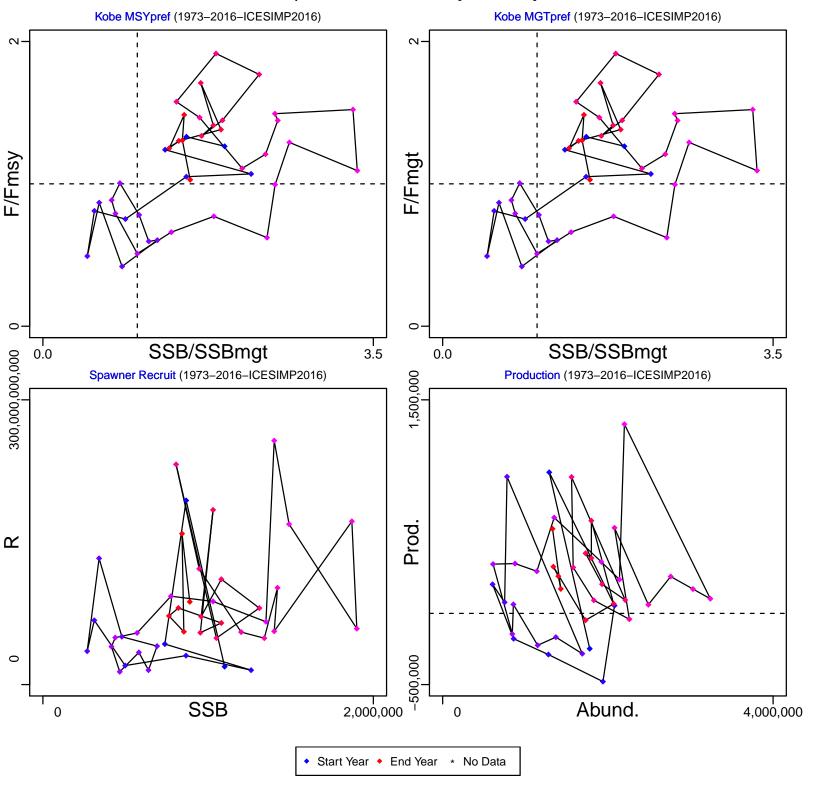


# Sprat ICES Baltic Areas 22-32 [SPRAT22-32]

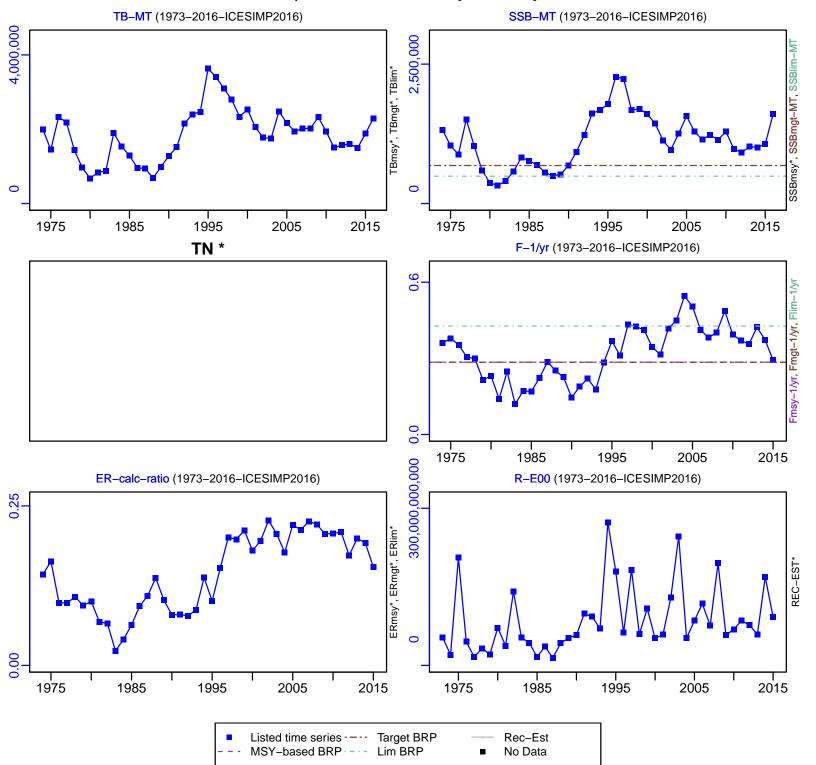
Metadata		
Scientific Name	Sprattus sprattus	
Current Assess ID	WGBFAS-SPRAT22-32-1973-2016-ICESIMP2016	
Area	Baltic Areas 22-32	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Baltic Fisheries Assessment Working Group	
Asmts in RAM	2011, 2013, 2014, 2015, 2016	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2016	0.26		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	570,000		
Fmgt	Fmgt-1/yr	2016	0.26		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	410,000		
Flim	Flim-1/yr	2016	0.39		
ERlim	-	-	-		

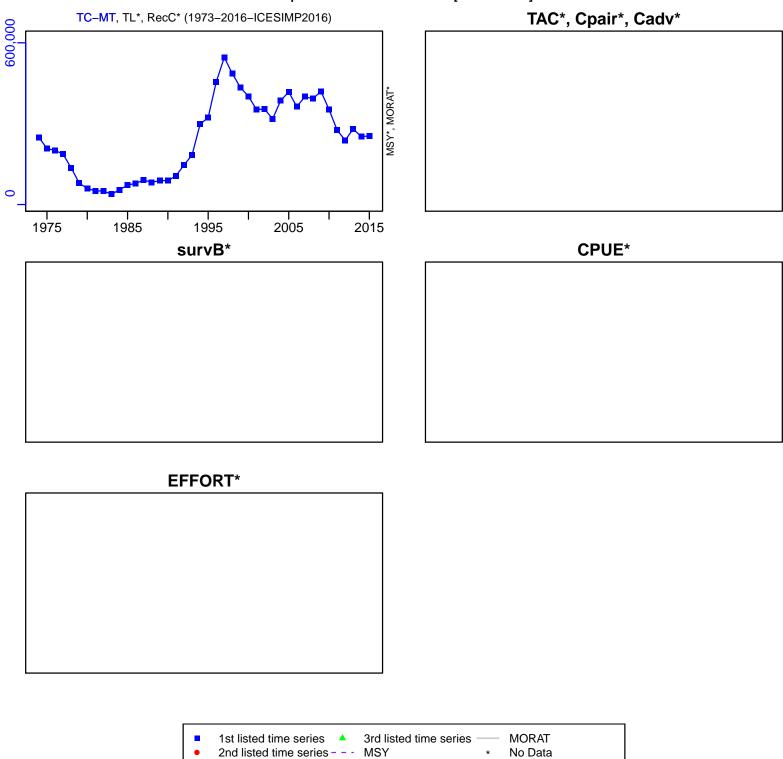
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	2,040,000	-	-
SSB	SSB-MT	2016	1,340,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$8.72 \times 10^{10}$	-	1
F	F-1/yr	2016	0.27	-	3 to 5
ER	ER-calc-ratio	2016	0.15	-	-
TC	TC-MT	2016	247,000		
TL	TL-MT	2015	244,000	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.03		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	2.36		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.03		
ER/ERmgt	-	-	-		



#### Sprat ICES Baltic Areas 22-32 [SPRAT22-32]



### Sprat ICES Baltic Areas 22-32 [SPRAT22-32]



Metadata		
Scientific Name	Sprattus sprattus	
Current Assess ID	HAWG-SPRATIIIa-1974-2016-ICESIMP2016	
Area	Kattegat and Skagerrak	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Herring Assessment Working Group for the Area South of 62N	
Asmts in RAM	2016	

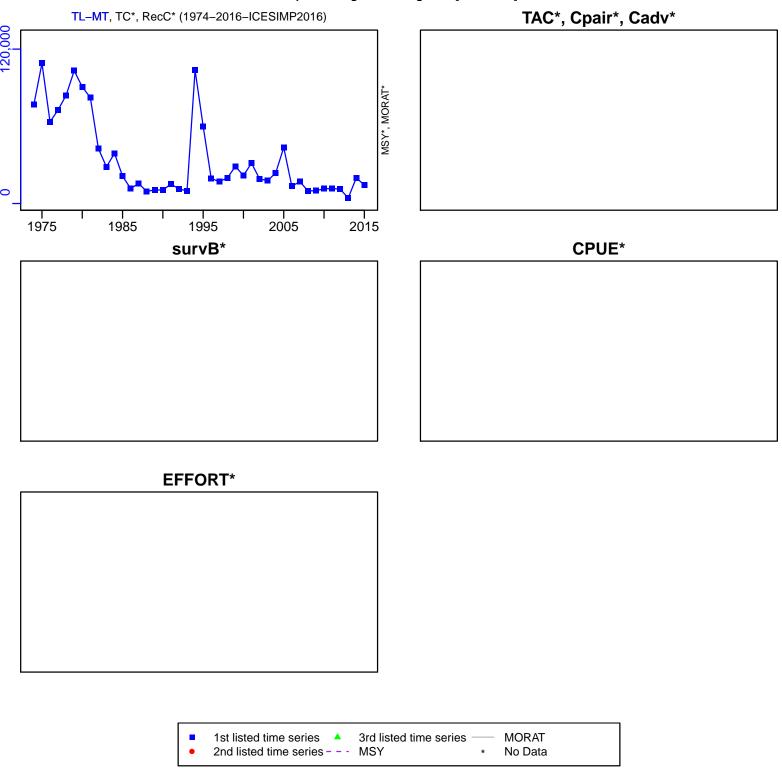
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	13,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ED.	D 14 . W
ER*	Recruits*
Listed time series T	proof PPD —— Poc. Ect
Listed time series Ta	arget BRP — Rec–Est m BRP ■ No Data

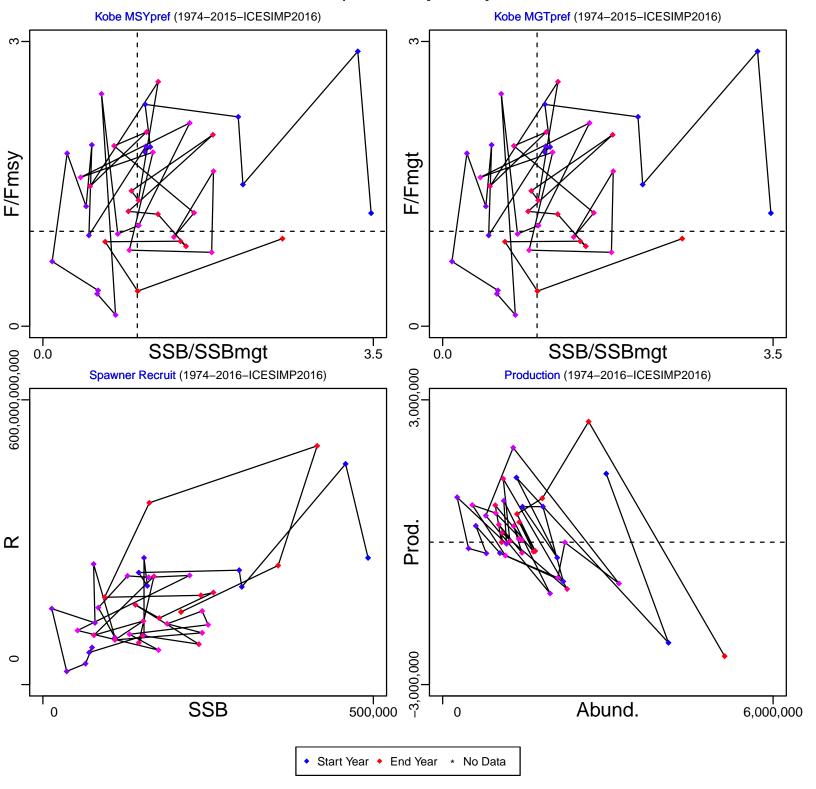


# Sprat North Sea [SPRATNS]

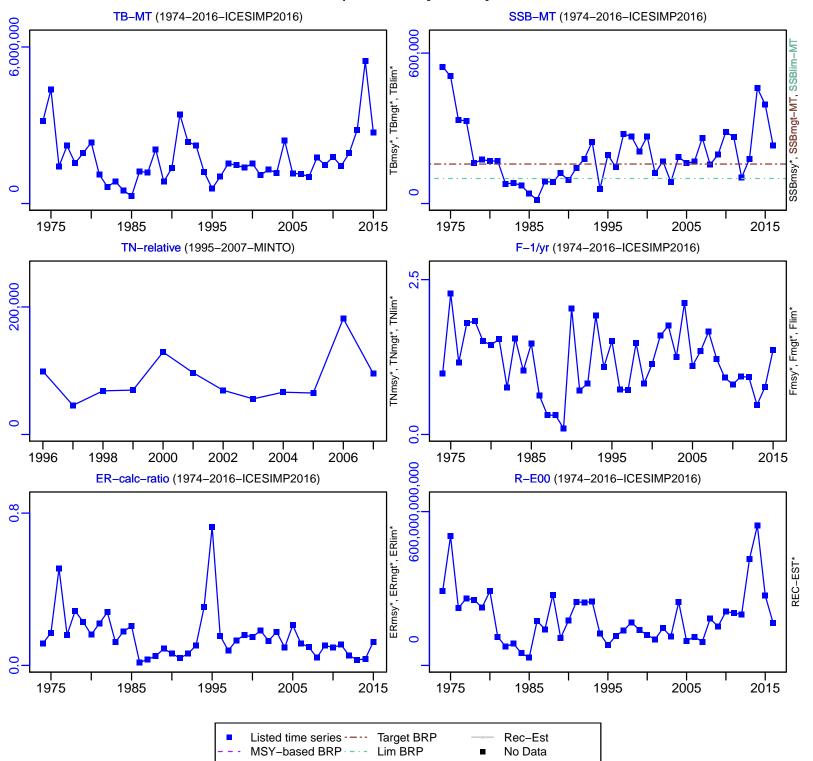
Metadata		
Scientific Name	Sprattus sprattus	
Current Assess ID	HAWG-SPRATNS-1974-2016-ICESIMP2016	
Area	North Sea	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Herring Assessment Working Group for the Area South of 62N	
Asmts in RAM	2013, 2014, 2015, 2016, 2007	

Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	Fmsy-1/yr	2015	0.7		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	SSBmgt-MT	2016	142,000		
Fmgt	Fmgt-1/yr	2015	0.7		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	M-1/yr	2007	0.75		
TBlim	-	-	-		
SSBlim	SSBlim-MT	2016	90,000		
Flim	-	-	-		
ERlim	-	-	-		

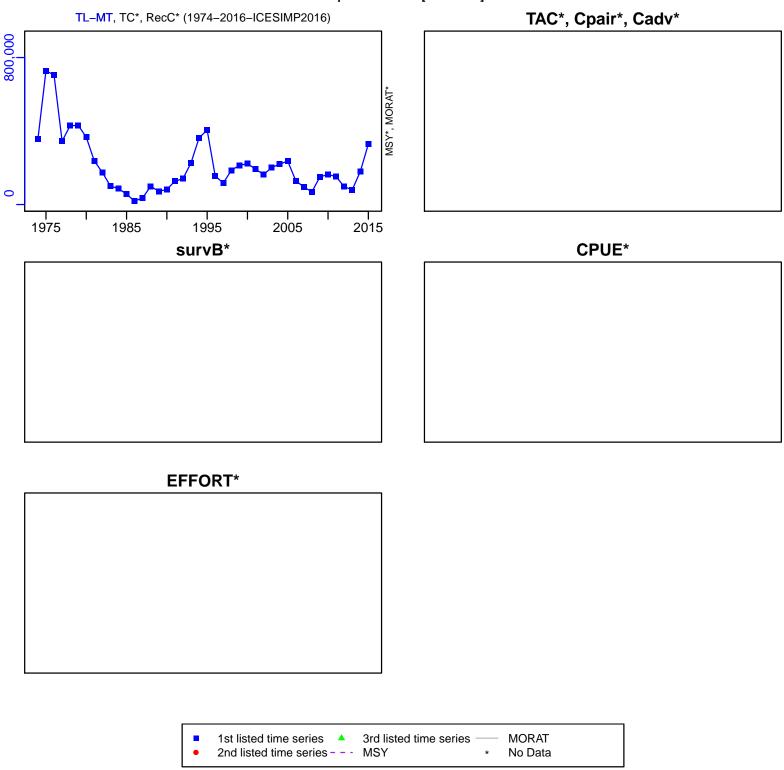
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	2,560,000	-	-
SSB	SSB-MT	2016	209,000	-	-
TN	TN-relative	2007	72,900	-	-
R	R-E00	2016	$1.53 \times 10^{11}$	-	0
F	F-1/yr	2016	1.27	-	1 to 2
ER	ER-calc-ratio	2016	0.11	-	-
TC	-	-	-		
TL	TL-MT	2016	290,000	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2015	0.92		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.47		
F/Fmgt	F-1/yr/Fmgt-1/yr	2015	0.92		
ER/ERmgt	-	-	-		



#### **Sprat North Sea [SPRATNS]**



#### Sprat North Sea [SPRATNS]



Metadata		
Scientific Name Sprattus sprattus		
Current Assess ID	HAWG-SPRATVIIde-1985-2016-ICESIMP2016	
Area	VIIde	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Herring Assessment Working Group for the Area South of 62N	
Asmts in RAM	2016	

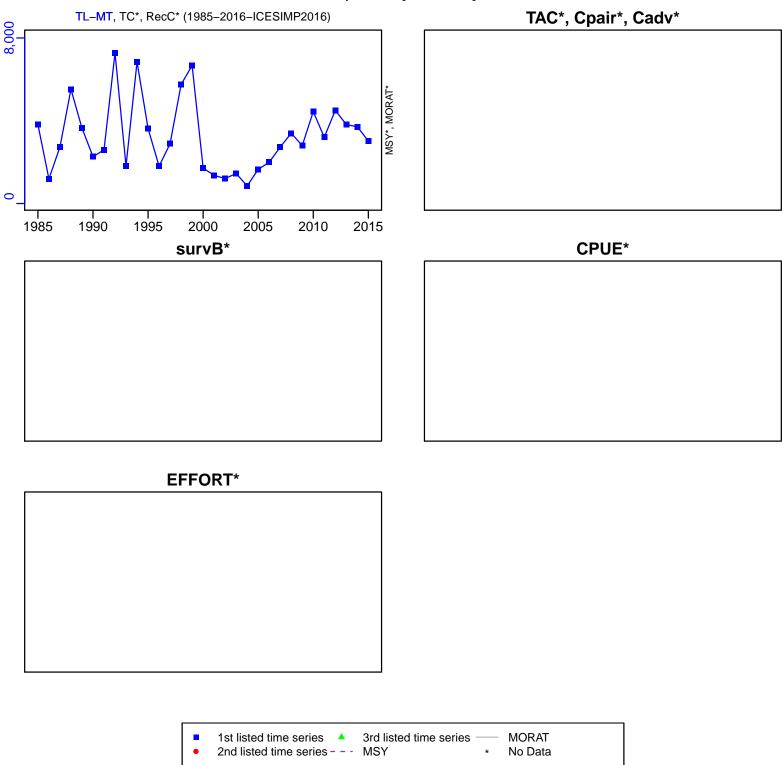
Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	-	-	-
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	-	-	-
Fmgt	-	-	-
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
М	-	-	-
TBlim	-	-	-
SSBlim	-	-	-
Flim	-	-	-
ERlim	-	-	-

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2015	4390		
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*
	<b>.</b>
ER*	Recruits*
- Paralessa	Don Est
Listed time series Ta	arget BRP — Rec-Est Im BRP ■ No Data



Metadata		
Scientific Name	Sprattus sprattus	
Current Assess ID	HAWG-SPRATVI-VIIabcfghijk-1985-2015-ICESIMP2016	
Area	VI and VIIabcfghijk	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Herring Assessment Working Group for the Area South of 62N	
Asmts in RAM	2015	

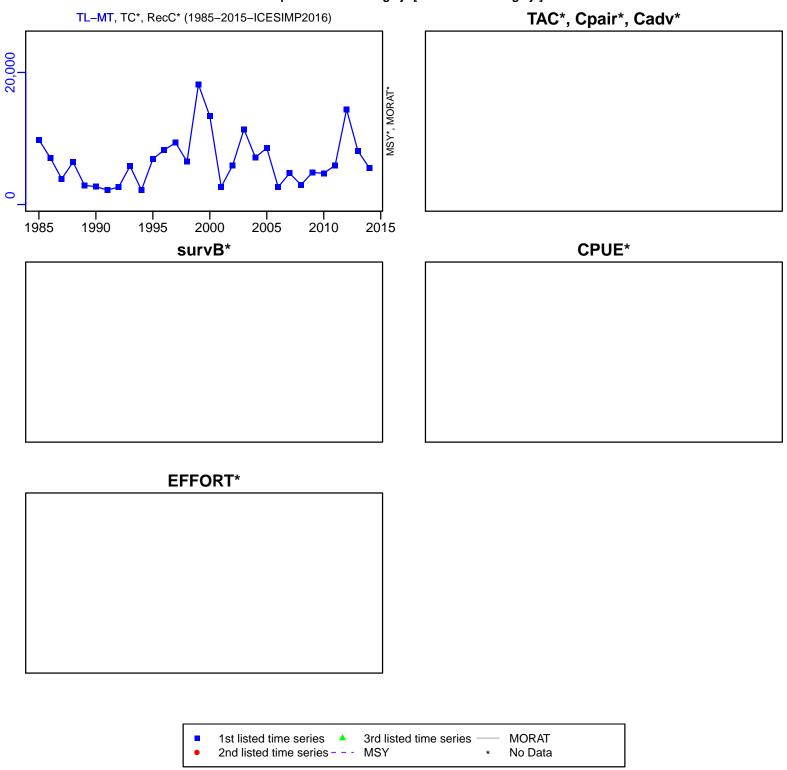
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	-	-	-	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	-	-	-	
Fmgt	-	-	-	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	-	-	-	
Flim	-	-	-	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	3000		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
	l
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

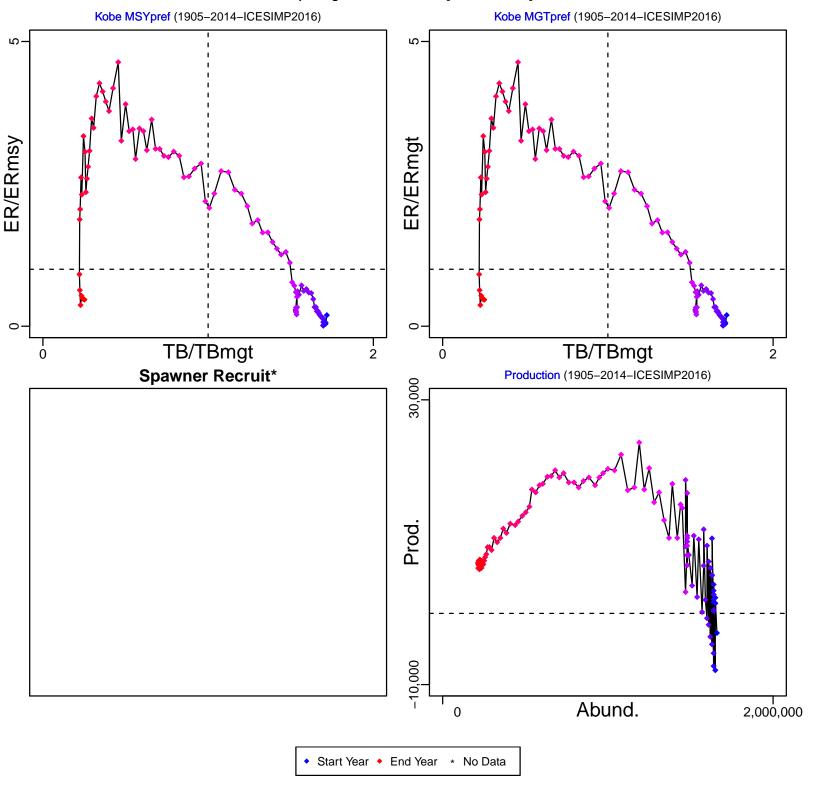
TB*	SSB*
Th! *	<b>-</b> +
TN *	<b>F</b> *
ER*	Recruits*
Listed time series Ta	
	arget BRP Rec-Est

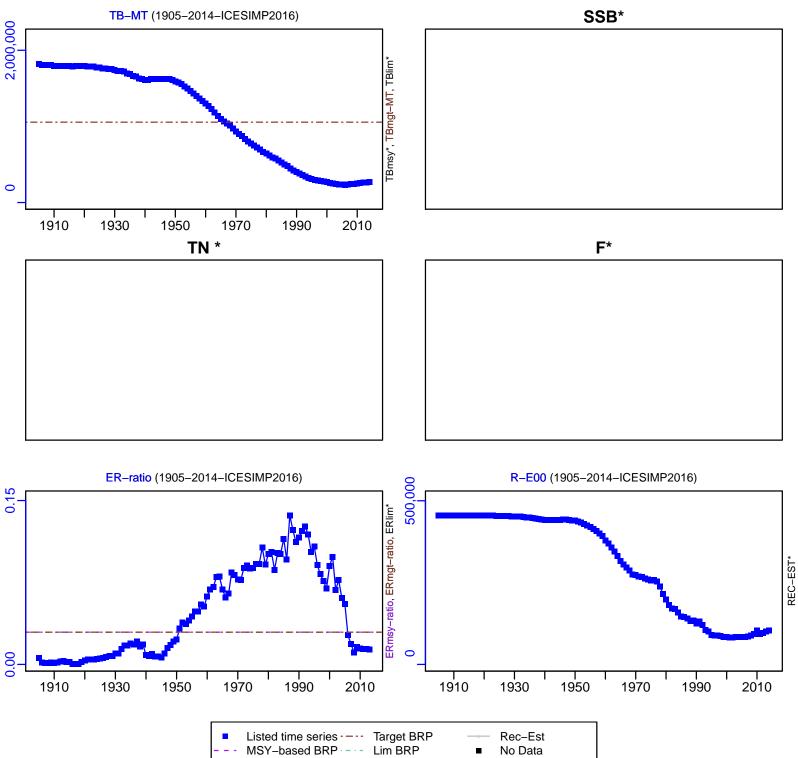


Metadata		
Scientific Name	Squalus acanthias	
Current Assess ID	WGEF-SPURDNEATL-1905-2014-ICESIMP2016	
Area Northeast Atlantic		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group on Elasmobranch Fishes	
Asmts in RAM	2014	

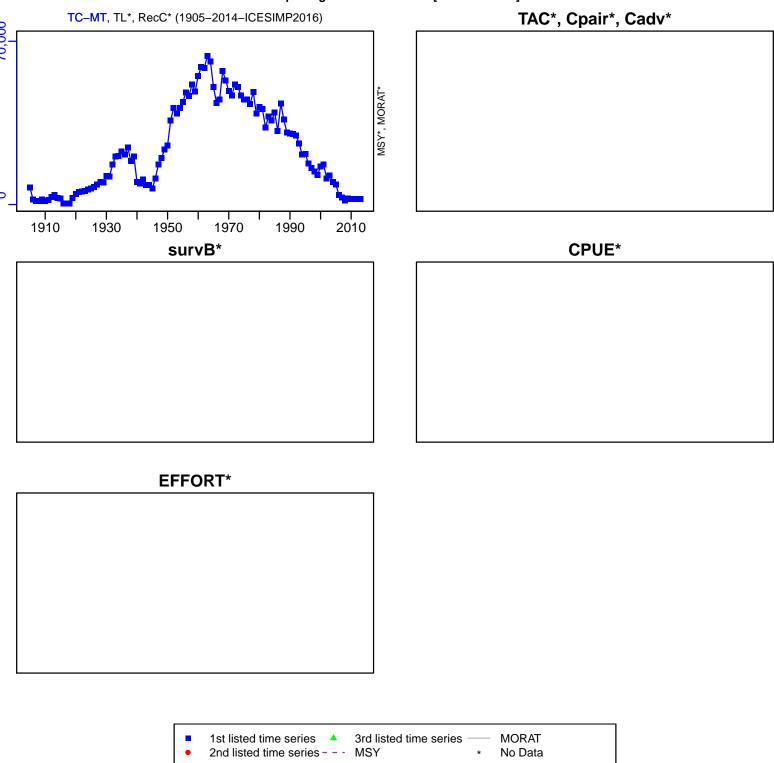
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	ERmsy-ratio	2014	0.03		
TBmgt	TBmgt-MT	2014	963,700		
SSBmgt	-	-	-		
Fmgt	-	-	-		
ERmgt	ERmgt-ratio	2014	0.03		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
M	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2014	248,000	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	R-E00	2014	102,000	-	0
F	-	-	-	-	-
ER	ER-ratio	2014	0.01	-	-
TC	TC-MT	2014	2380		
TL	-	-	-	1	
TB/TBmsy	-	-	-	1	
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	ER-ratio/ERmsy-ratio	2014	0.47	1	
TB/TBmgt	TB-MT/TBmgt-MT	2014	0.26	]	
SSB/SSBmgt	-	-	-	]	
F/Fmgt	-	-	-	]	
ER/ERmgt	-	-	-		





No Data



## Turbot Baltic Areas 22-32 [TUR2232]

Metadata			
Scientific Name Scophthalmus maximus			
Current Assess ID WGBFAS-TUR2232-1965-2016-ICESIMP2016			
Area Baltic Areas 22-32			
Management Authority	International Council for the Exploration of the Sea		
Assessor	Baltic Fisheries Assessment Working Group		
Asmts in RAM	2016		

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	233		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

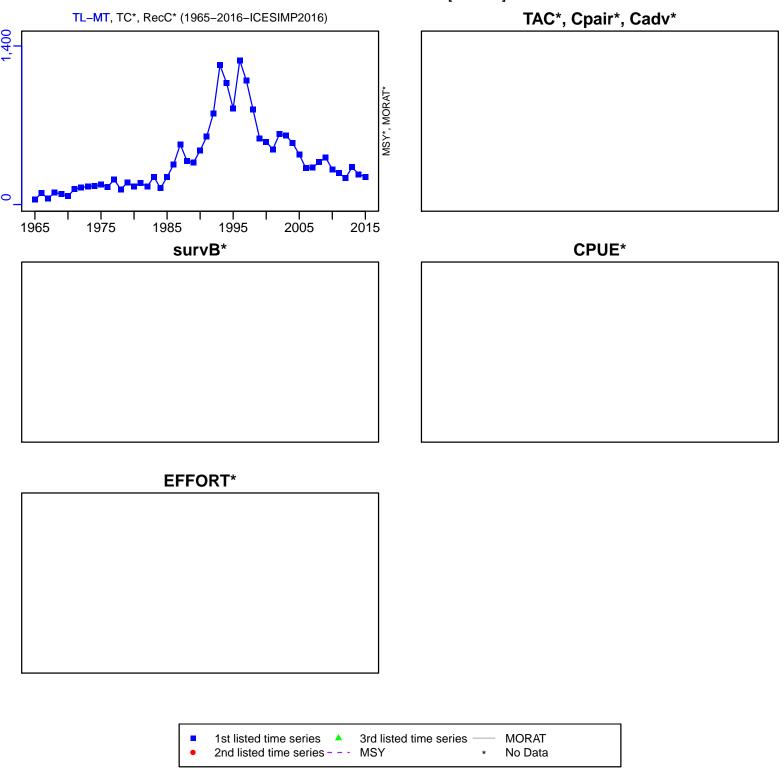
### Turbot Baltic Areas 22-32 [TUR2232]

Kobe MSY*	Kobe MGT*
	<b>B</b> 1 4 4
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

### Turbot Baltic Areas 22-32 [TUR2232]

TB*	SSB*
TN *	F*
ER*	Recruits*
ER	Recidits
Listed time series Ta MSY-based BRP Li	arget BRP — Rec-Est
· MSY-based BRP · - · · Li	m BRP ■ No Data

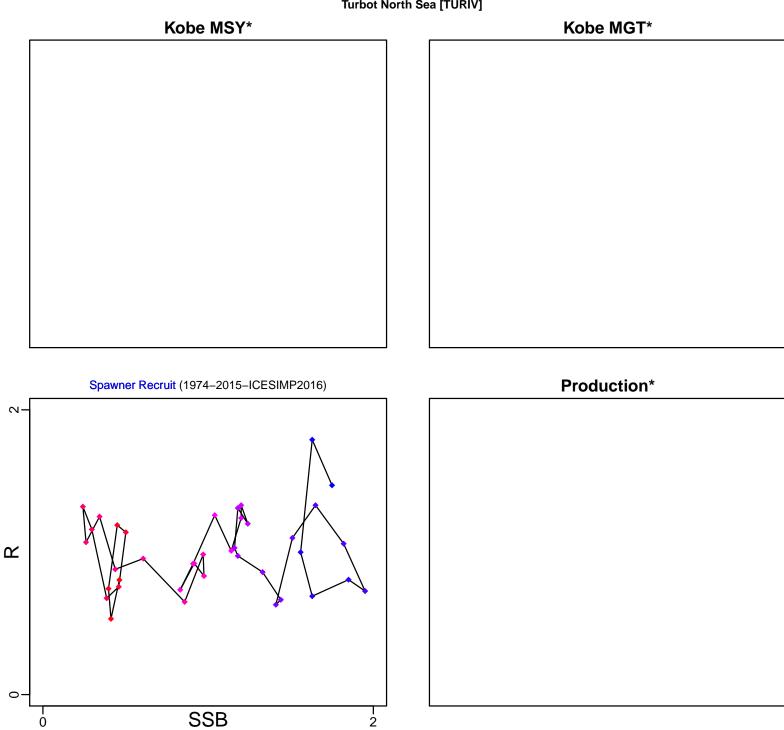


# Turbot North Sea [TURIV]

Metadata		
Scientific Name	Scophthalmus maximus	
Current Assess ID	WGNSSK-TURIV-1974-2015-ICESIMP2016	
Area North Sea		
Management Authority International Council for the Exploration of the Sea		
Assessor Working Group on the Assessment of Demersal Stocks in the North Se		
	and Skagerrak	
Asmts in RAM	2013, 2014, 2015	

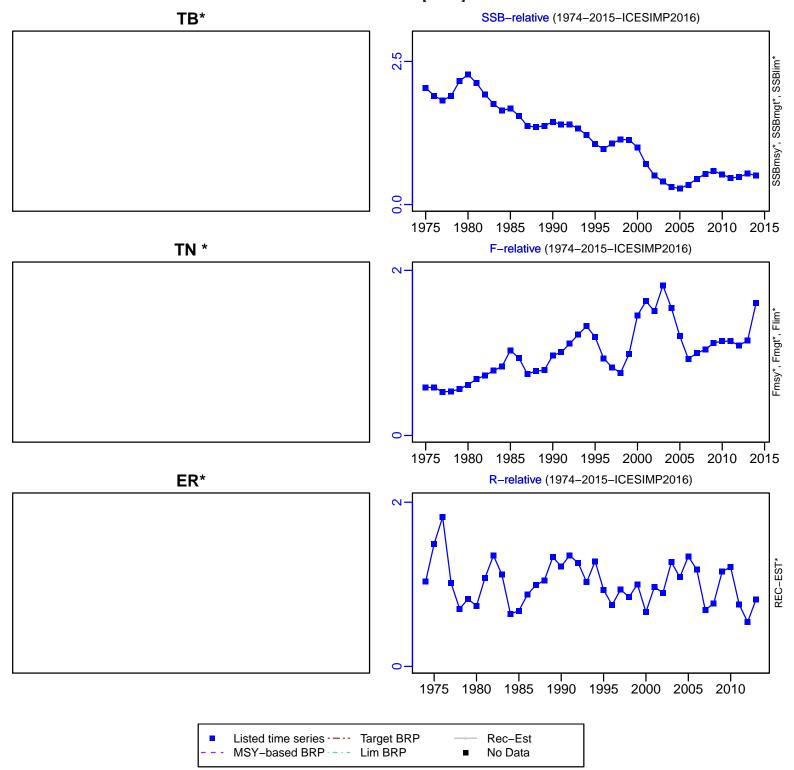
Reference Points					
Туре	ID	Asmt Year	Value		
TBmsy	-	-	-		
SSBmsy	-	-	-		
Fmsy	-	-	-		
ERmsy	-	-	-		
TBmgt	-	-	-		
SSBmgt	-	-	-		
Fmgt	Fmgt-relative	2014	0.22		
ERmgt	-	-	-		
TB0	-	-	-		
SSB0	-	-	-		
MSY	-	-	-		
М	-	-	-		
TBlim	-	-	-		
SSBlim	-	-	-		
Flim	-	-	-		
ERlim	-	-	-		

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	SSB-relative	2015	0	-	-
TN	-	-	-	-	-
R	R-relative	2015	1	-	1
F	F-relative	2015	1.59	-	2 to 6
ER	-	-	-	-	-
TC	TC-MT	2015	2830		
TL	TL-MT	2015	2830		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

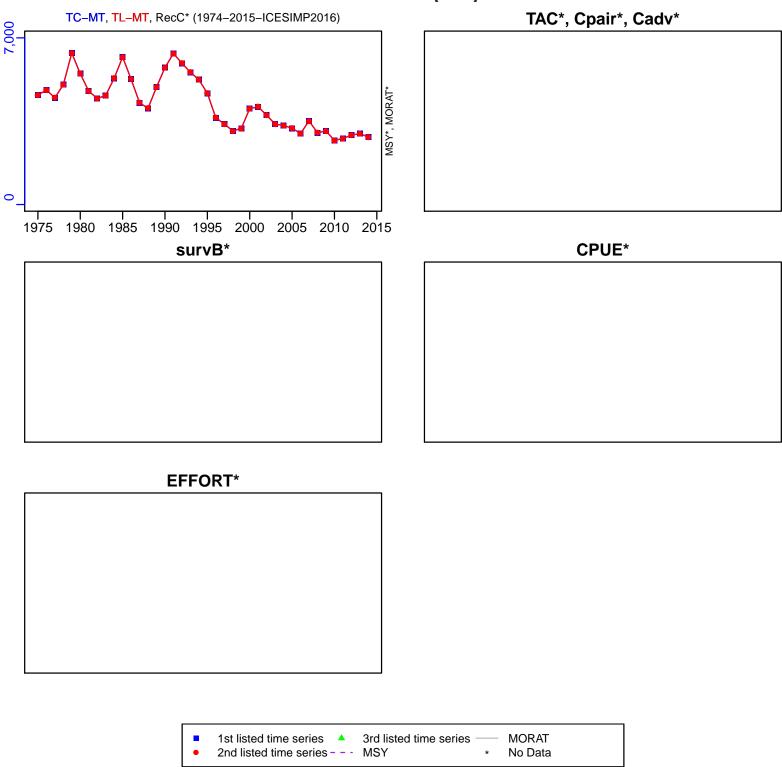


Start Year → End Year → No Data

#### **Turbot North Sea [TURIV]**



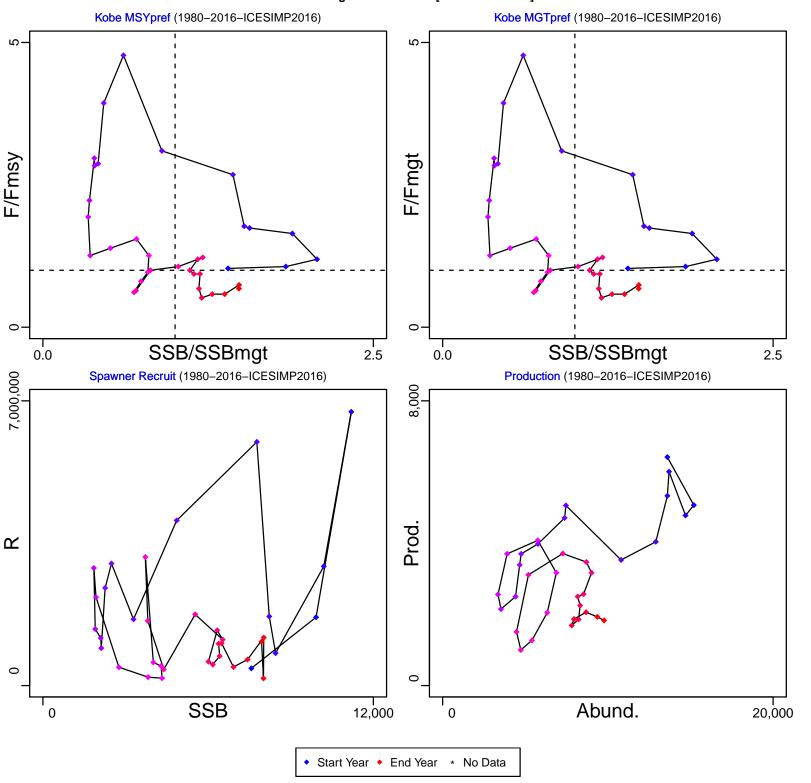
### **Turbot North Sea [TURIV]**

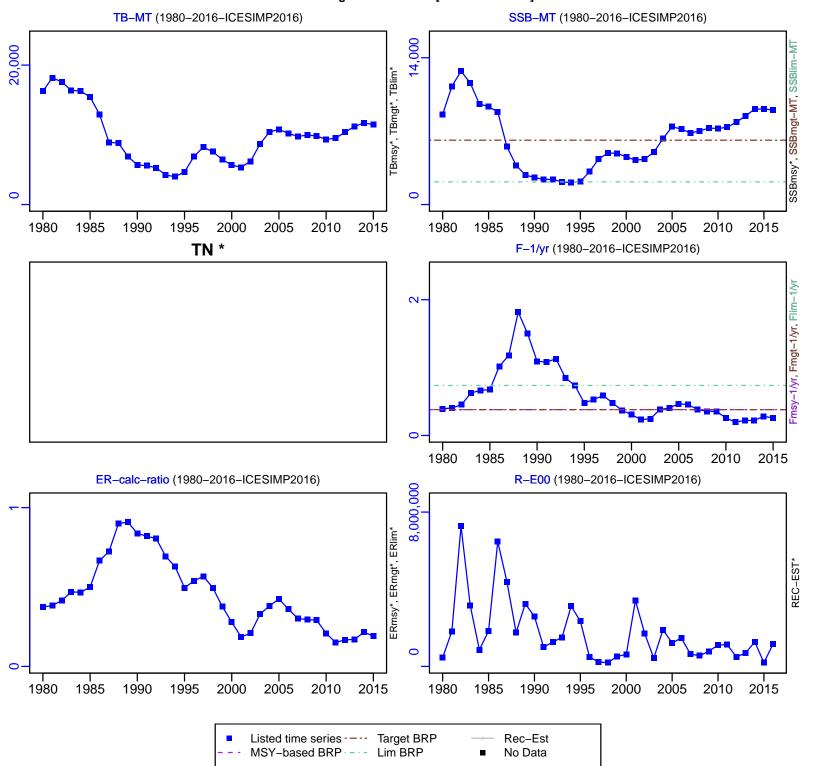


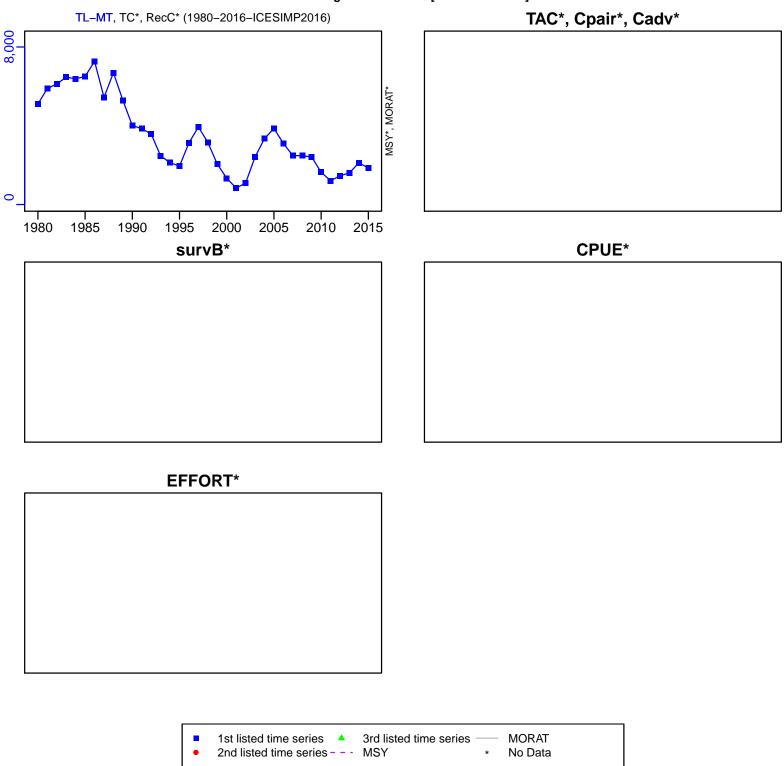
Metadata		
Scientific Name	Lophius piscatorius	
Current Assess ID	WGBIE-WANGLVIIIc-IXa-1980-2016-ICESIMP2016	
Area	VIIIc-IXa	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2014, 2015, 2016, 2013	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	25,300		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		







Metadata		
Scientific Name	Lophius piscatorius	
Current Assess ID	WGBIE-WANGLVII-VIIIabd-1986-2016-ICESIMP2016	
Area	VII and VIIIabd	
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2016	

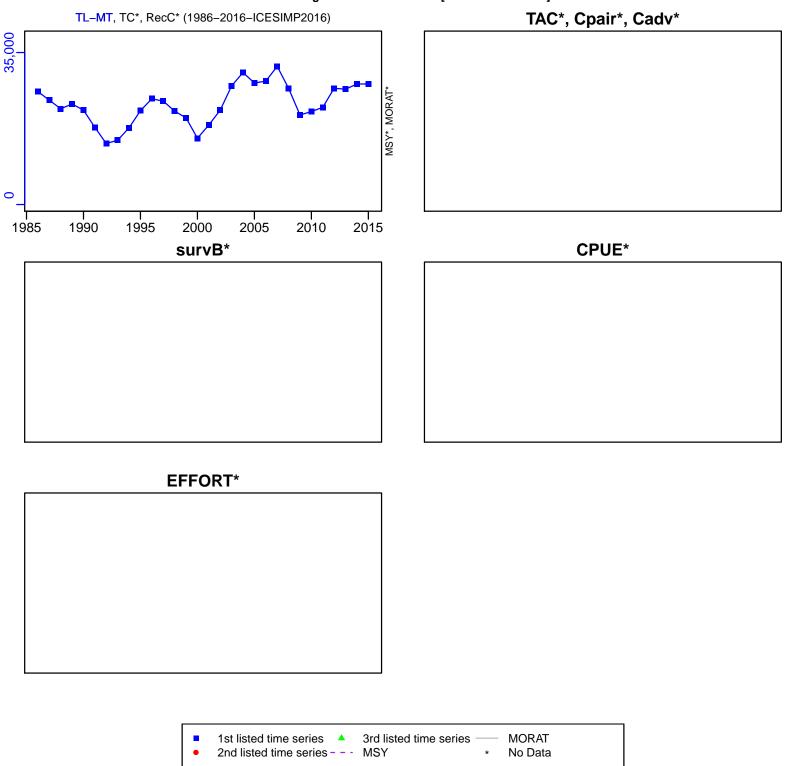
Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.31	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	5400	
Fmgt	Fmgt-1/yr	2016	0.31	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
M	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	1900	
Flim	Flim-1/yr	2016	0.6	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	9600	-	-
SSB	SSB-MT	2016	7940	-	-
TN	-	-	-	-	-
R	R-E00	2016	1,080,000	-	0
F	F-1/yr	2016	0.21	-	-
ER	ER-calc-ratio	2016	0.18	-	-
TC	-	-	-		
TL	TL-MT	2016	1750		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.68		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.47		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.68		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ED*	De evvite*
ER*	Recruits*
	I L
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

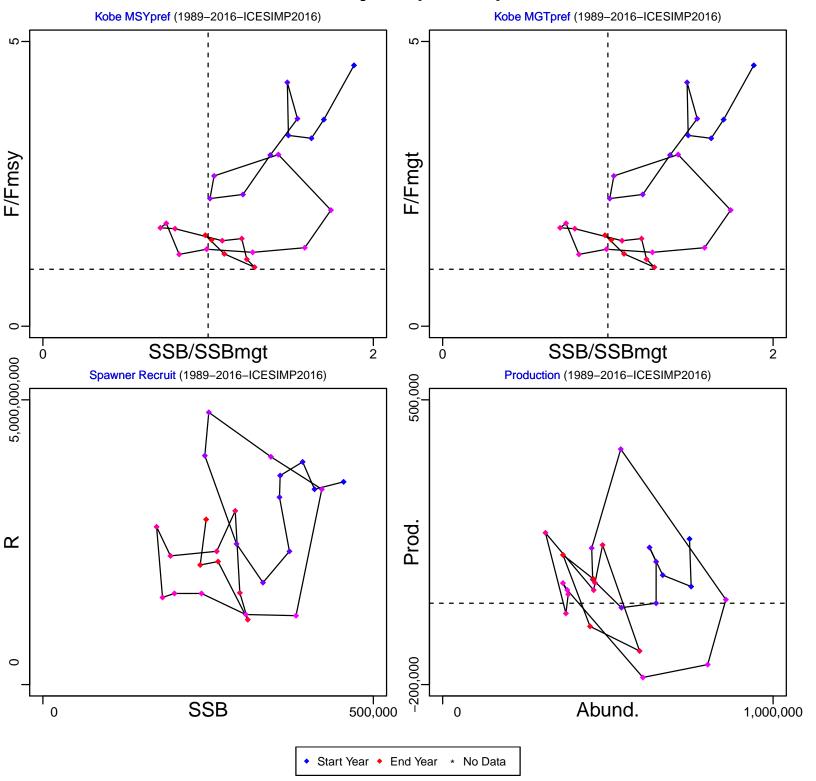


# Whiting NS-VIId [WHITNS-VIId]

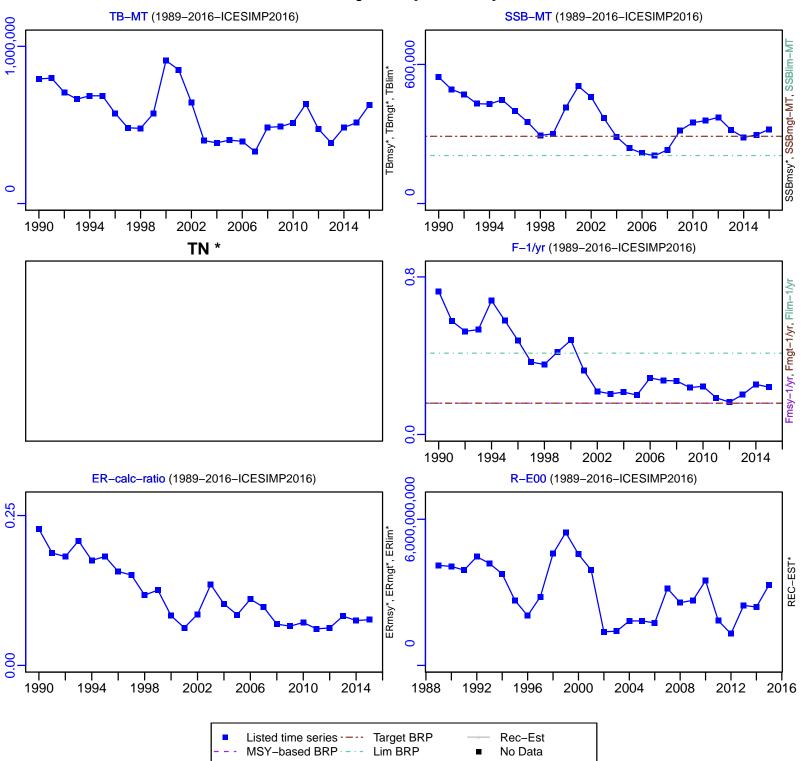
Metadata		
Scientific Name	Merlangius merlangus	
Current Assess ID	WGNSSK-WHITNS-VIId-1989-2016-ICESIMP2016	
Area	IV and VIId	
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak	
Asmts in RAM	2012, 2013, 2014, 2015, 2016	

Reference Points			
Туре	ID	Asmt Year	Value
TBmsy	-	-	-
SSBmsy	-	-	-
Fmsy	Fmsy-1/yr	2016	0.15
ERmsy	-	-	-
TBmgt	-	-	-
SSBmgt	SSBmgt-MT	2016	241,837
Fmgt	Fmgt-1/yr	2016	0.15
ERmgt	-	-	-
TB0	-	-	-
SSB0	-	-	-
MSY	-	-	-
M	-	-	-
TBlim	-	-	-
SSBlim	SSBlim-MT	2016	172,741
Flim	Flim-1/yr	2016	0.39
ERlim	-	-	-

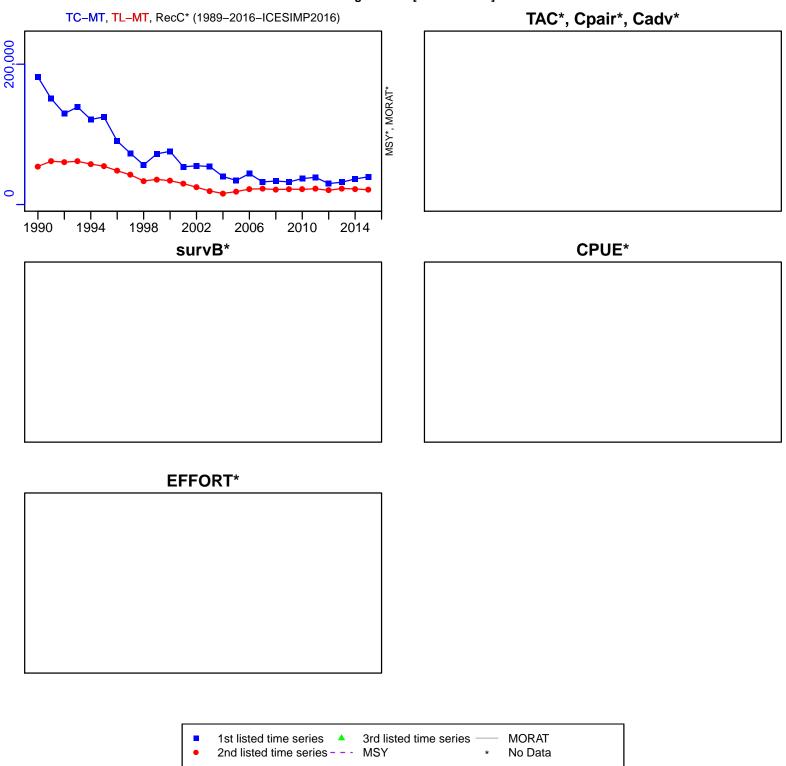
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	591,000	-	-
SSB	SSB-MT	2016	267,000	-	-
TN	-	-	-	-	-
R	R-E00	2016	$2.9 \times 10^{9}$	-	1
F	F-1/yr	2016	0.23	-	2 to 6
ER	ER-calc-ratio	2016	0.07	-	-
TC	TC-MT	2016	33,200		
TL	TL-MT	2016	17,700	1	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	1.52	]	
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.1		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	1.52		
ER/ERmgt	-	-	-		



#### Whiting NS-VIId [WHITNS-VIId]



### Whiting NS-VIId [WHITNS-VIId]

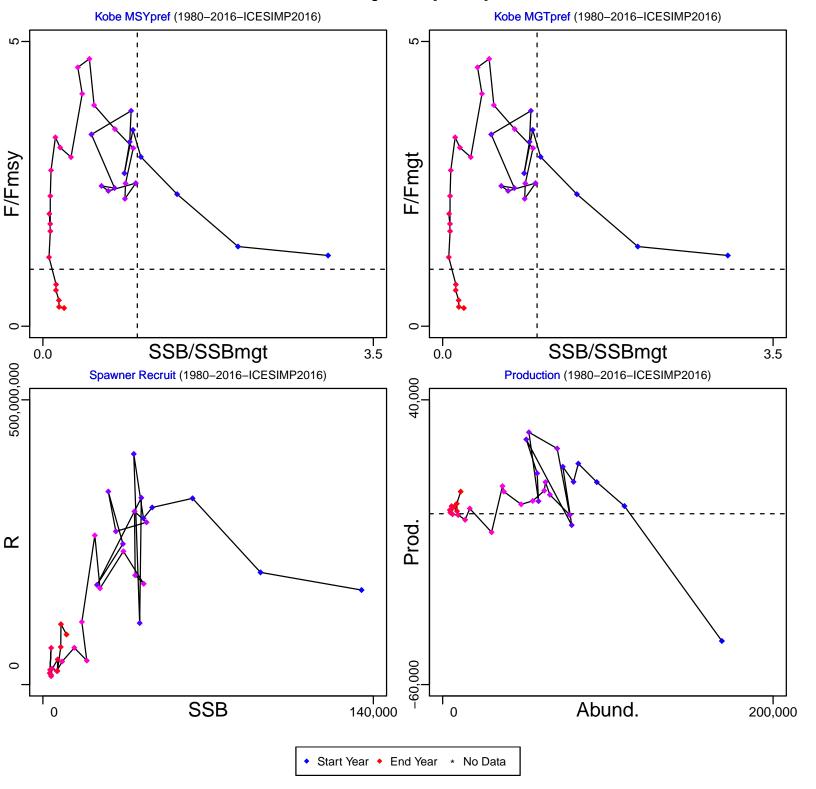


# Whiting ICES VIa [WHITVIa]

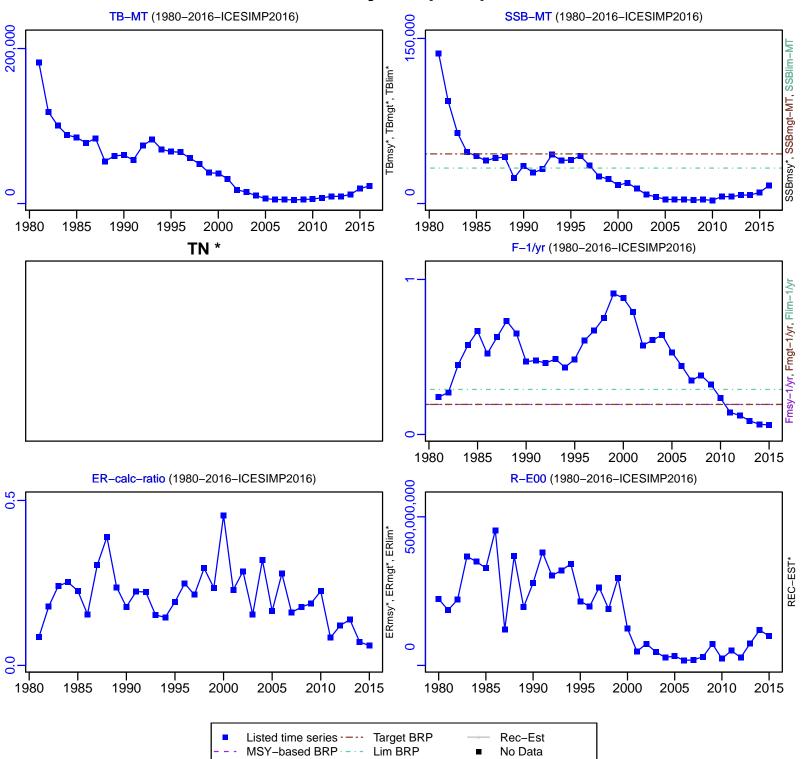
Metadata		
Scientific Name	Merlangius merlangus	
Current Assess ID	WGCSE-WHITVIa-1980-2016-ICESIMP2016	
Area West of Scotland		
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems	
Asmts in RAM	2013, 2014, 2015, 2016, 2012	

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.18	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	44,632	
Fmgt	Fmgt-1/yr	2016	0.18	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	-	-	-	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	31,880	
Flim	Flim-1/yr	2016	0.27	
ERlim	-	-	-	

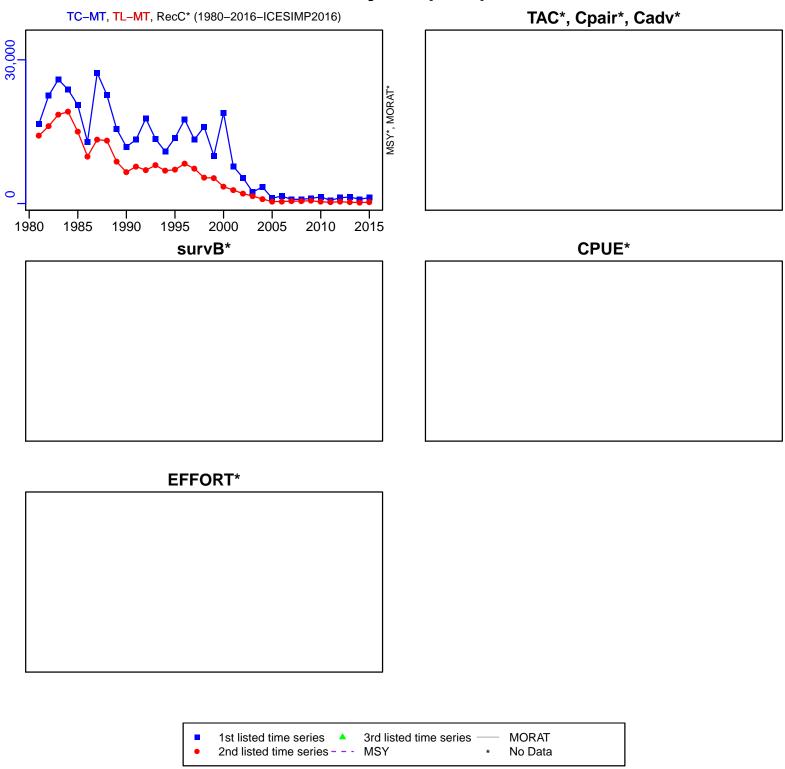
Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	21,100	-	-
SSB	SSB-MT	2016	16,200	-	-
TN	-	-	-	-	-
R	R-E00	2016	87,900,000	-	1
F	F-1/yr	2016	0.06	-	2 to 4
ER	ER-calc-ratio	2016	0.06	-	-
TC	TC-MT	2016	1060		
TL	TL-MT	2016	227	]	
TB/TBmsy	-	-	-	]	
SSB/SSBmsy	-	-	-	]	
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.32		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	0.36		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.32		
ER/ERmgt	-	-	-		



#### Whiting ICES VIa [WHITVIa]



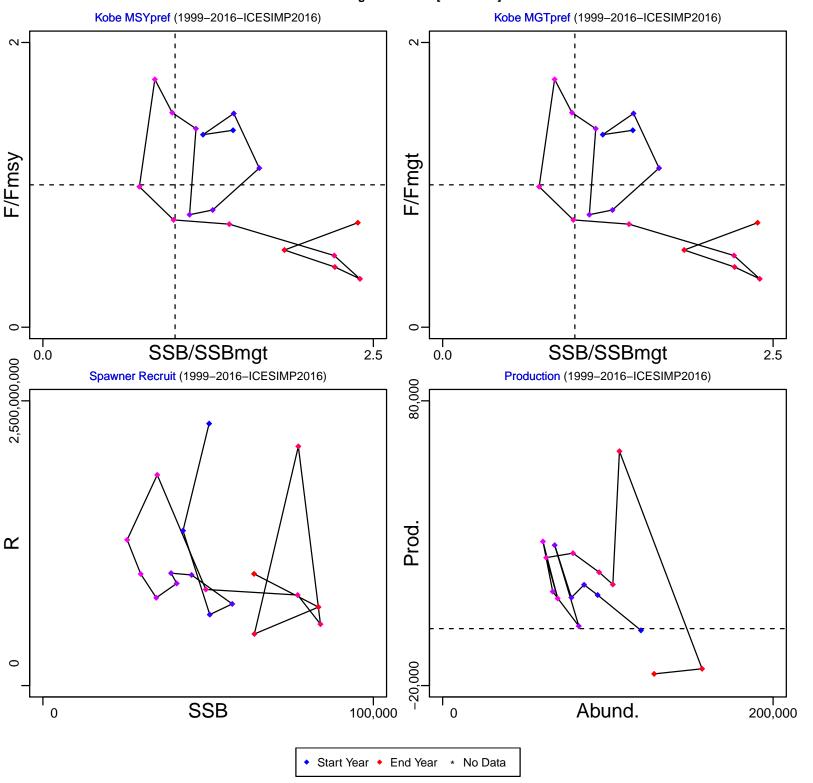
### Whiting ICES VIa [WHITVIa]

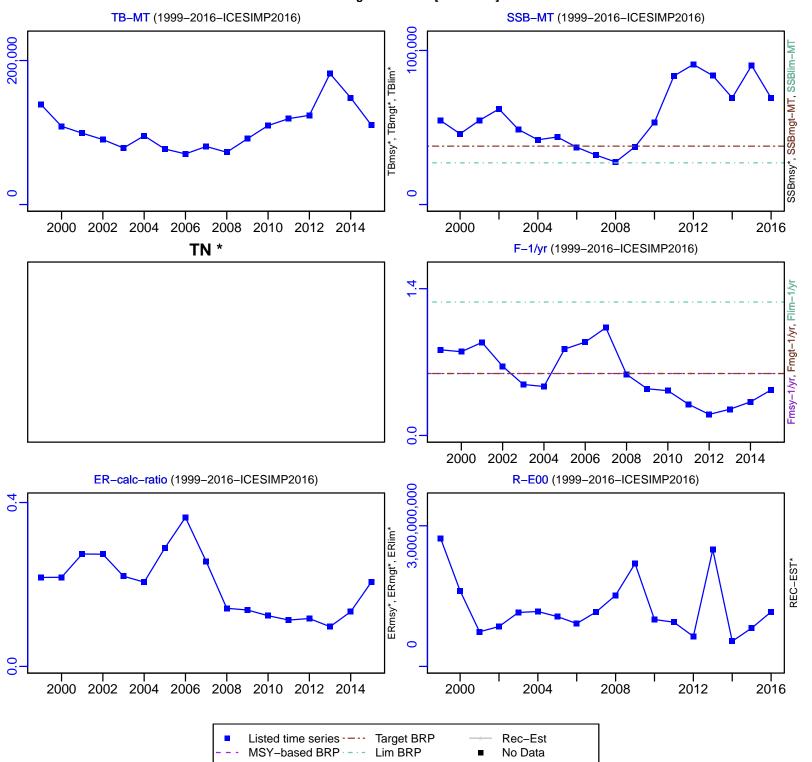


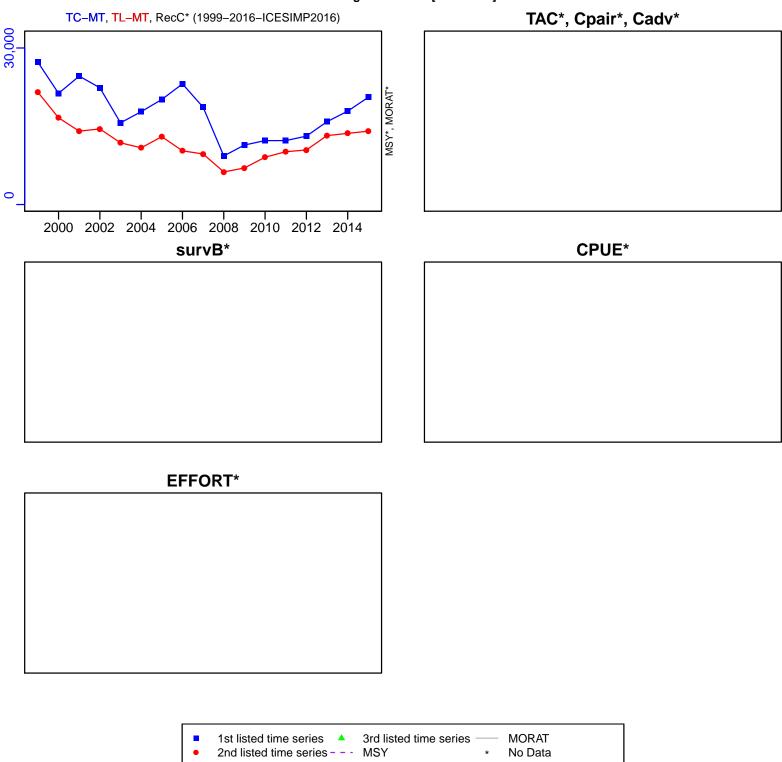
Metadata		
Scientific Name Merlangius merlangus		
Current Assess ID WGCSE-WHITVIIek-1999-2016-ICESIMP2016		
Area Celtic Sea		
Management Authority International Council for the Exploration of the Sea		
Assessor	Working Group on Celtic Seas Ecosystems	
<b>Asmts in RAM</b> 2013, 2014, 2015, 2016, 2012		

Reference Points				
Туре	ID	Asmt Year	Value	
TBmsy	-	-	-	
SSBmsy	-	-	-	
Fmsy	Fmsy-1/yr	2016	0.52	
ERmsy	-	-	-	
TBmgt	-	-	-	
SSBmgt	SSBmgt-MT	2016	35,000	
Fmgt	Fmgt-1/yr	2016	0.52	
ERmgt	-	-	-	
TB0	-	-	-	
SSB0	-	-	-	
MSY	MSY-MT	2012	21,000	
М	-	-	-	
TBlim	-	-	-	
SSBlim	SSBlim-MT	2016	25,000	
Flim	Flim-1/yr	2016	1.12	
ERlim	-	-	-	

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	TB-MT	2016	95,300	-	-
SSB	SSB-MT	2016	63,900	-	-
TN	-	-	-	-	-
R	R-E00	2016	$9.81 \times 10^{8}$	-	0
F	F-1/yr	2016	0.38	-	2 to 5
ER	ER-calc-ratio	2016	0.2	-	-
TC	TC-MT	2016	19,300		
TL	TL-MT	2016	13,200	]	
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	F-1/yr/Fmsy-1/yr	2016	0.73		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	SSB-MT/SSBmgt-MT	2016	1.83		
F/Fmgt	F-1/yr/Fmgt-1/yr	2016	0.73		
ER/ERmgt	-	-	-		







Metadata		
Scientific Name	Merlangius merlangus	
Current Assess ID	rrent Assess ID WGBIE-WHITVIII-IXa-1994-2016-ICESIMP2016	
Area VIII and IXa		
Management Authority	International Council for the Exploration of the Sea	
Assessor	Working Group for the Bay of Biscay and the Iberian Waters Ecoregion	
Asmts in RAM	2015, 2016	

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

Time Series					
Туре	ID	Asmt Year	Curr Value	Sex	Age
ТВ	-	-	-	-	-
SSB	-	-	-	-	-
TN	-	-	-	-	-
R	-	-	-	-	-
F	-	-	-	-	-
ER	-	-	-	-	-
TC	-	-	-		
TL	TL-MT	2016	2200		
TB/TBmsy	-	-	-		
SSB/SSBmsy	-	-	-		
F/Fmsy	-	-	-		
ER/ERmsy	-	-	-		
TB/TBmgt	-	-	-		
SSB/SSBmgt	-	-	-		
F/Fmgt	-	-	-		
ER/ERmgt	-	-	-		

Kobe MSY*	Kobe MGT*
L	
Spawner Recruit*	Production*

◆ Start Year ◆ End Year \* No Data

TB*	SSB*
TN *	F*
ED*	Doowito*
ER*	Recruits*
	J
■ Listed time series Ta	arget BRP — Rec-Est
Listed time series Ta	im BRP ■ No Data

