

# ICES advice and quotas for 2020

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21 February 2020

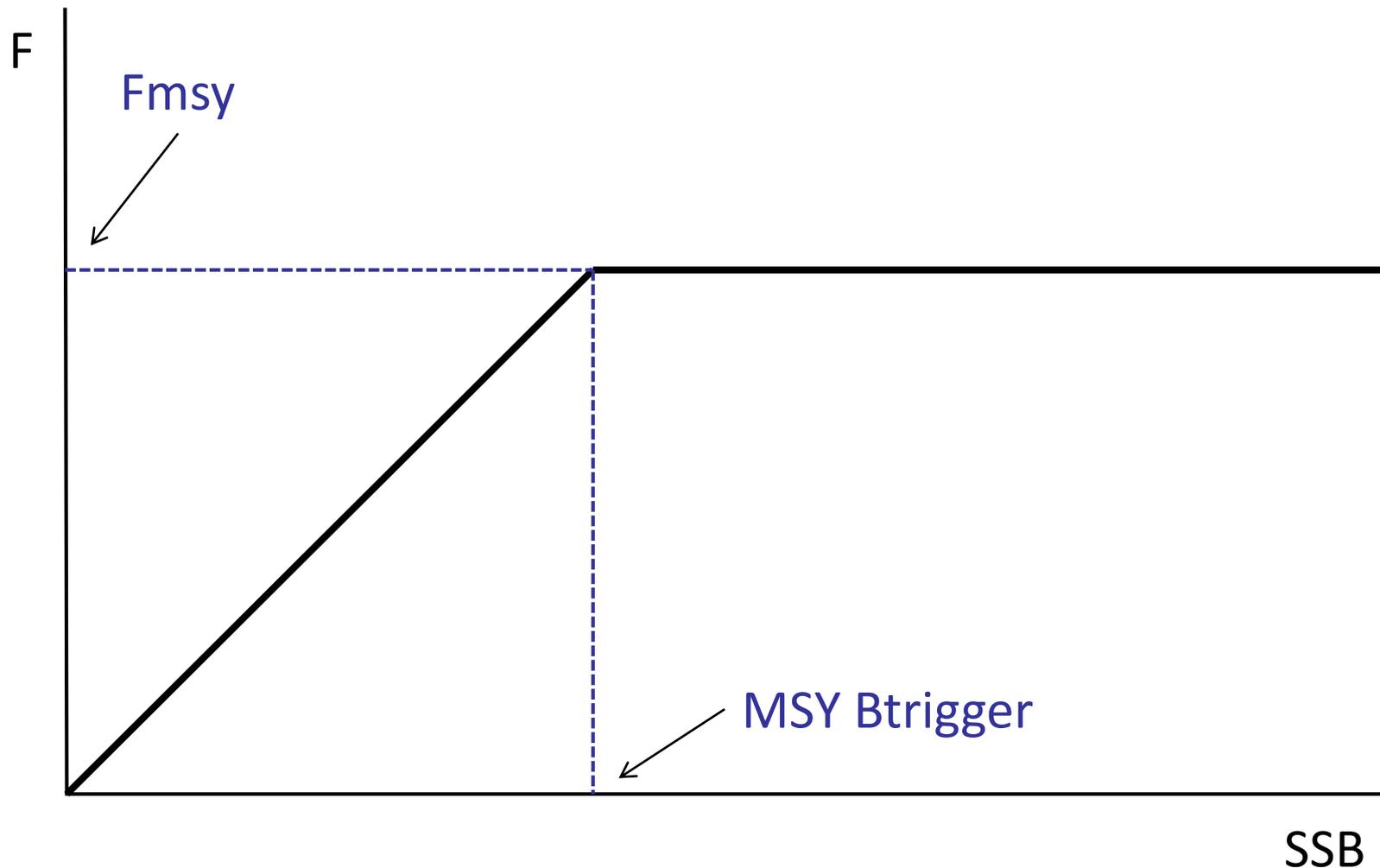
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# Background

- Main advice released by ICES on **28 June** (and 5 July for Northern hake)
- Further advice in the autumn for:
  - Some pelagic stocks
  - Rockall haddock, Rockall megrim, monkfish, west coast *Nephrops*
  - Updates following to some North Sea stocks following autumn surveys
- For the main Scottish commercial stocks I'll cover:
  - Stock assessment
  - ICES advice and updates
  - Quota decisions

# Background

- Most advice is based on the ICES MSY approach
- EU-Norway LTMS is in development, but is not yet agreed and was not used to provide advice for 2020

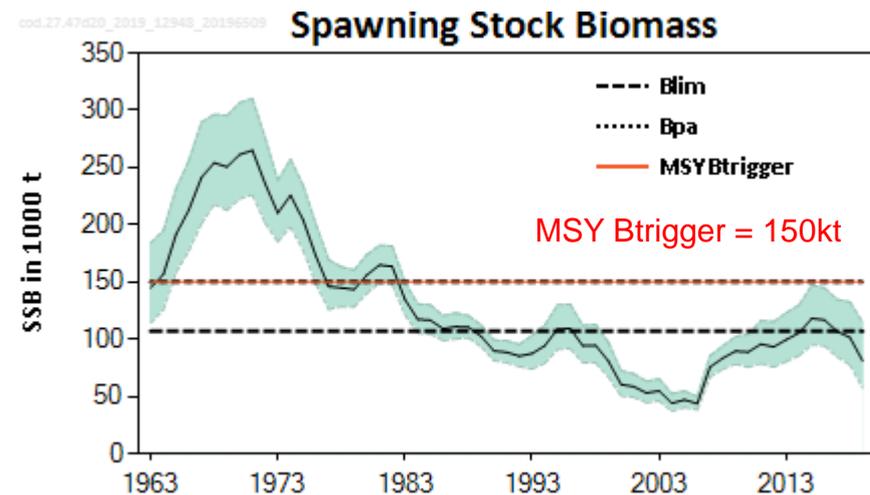
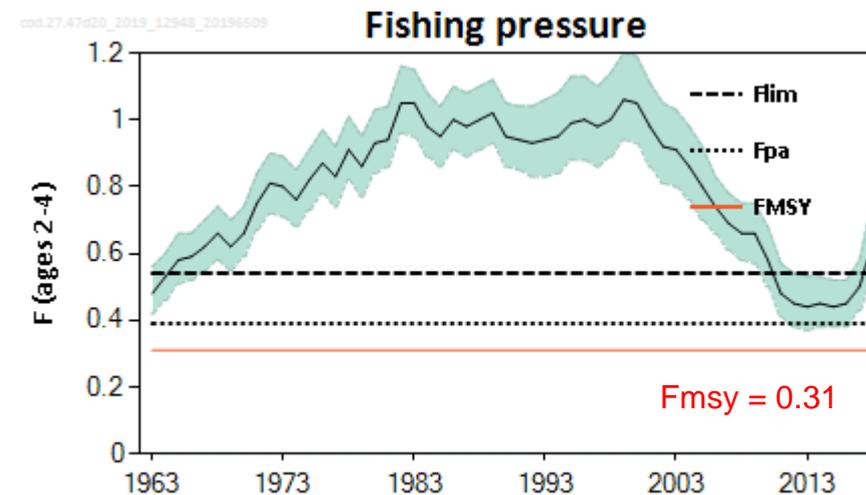
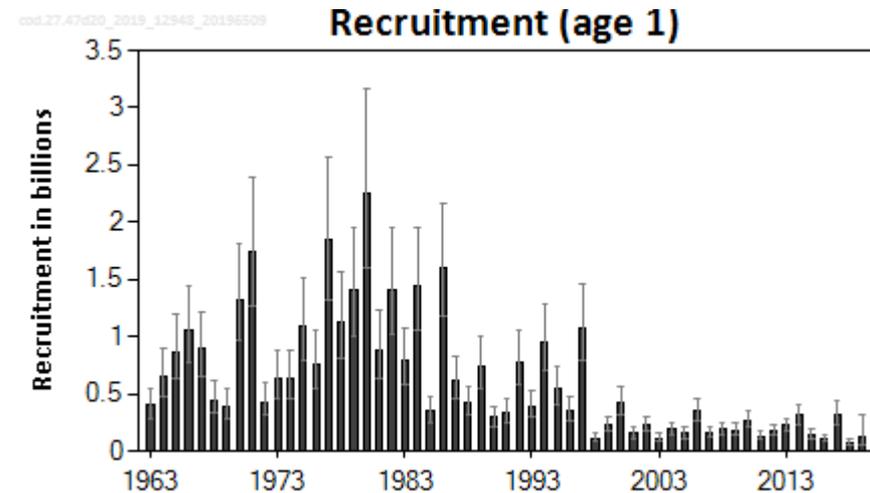
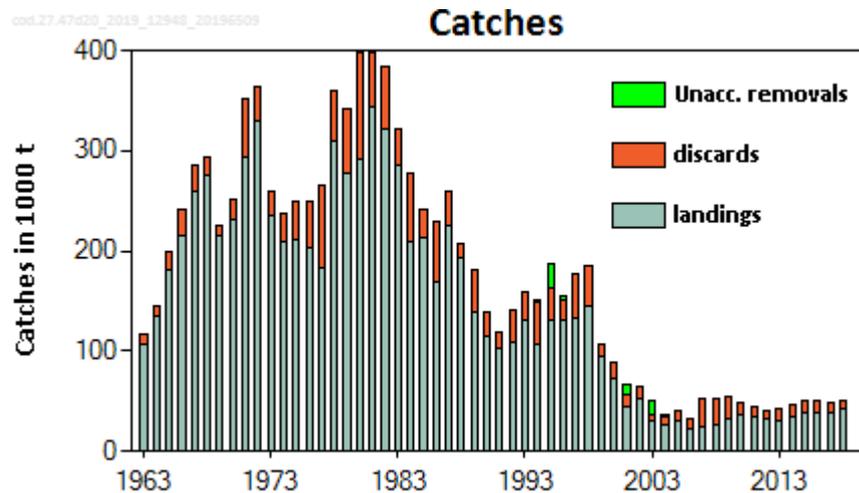
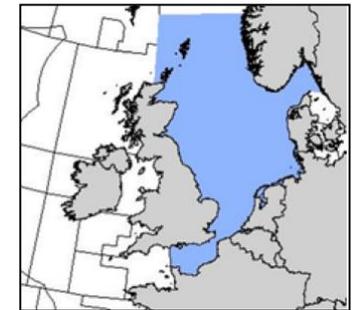


# North Sea demersal

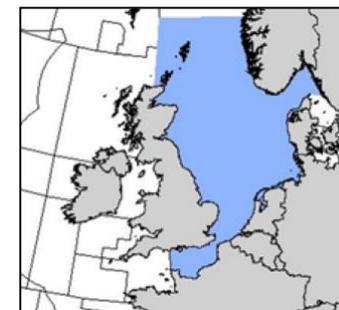


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# North Sea cod: summary



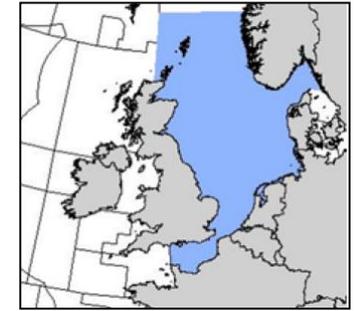
# North Sea cod: advice and TAC decision



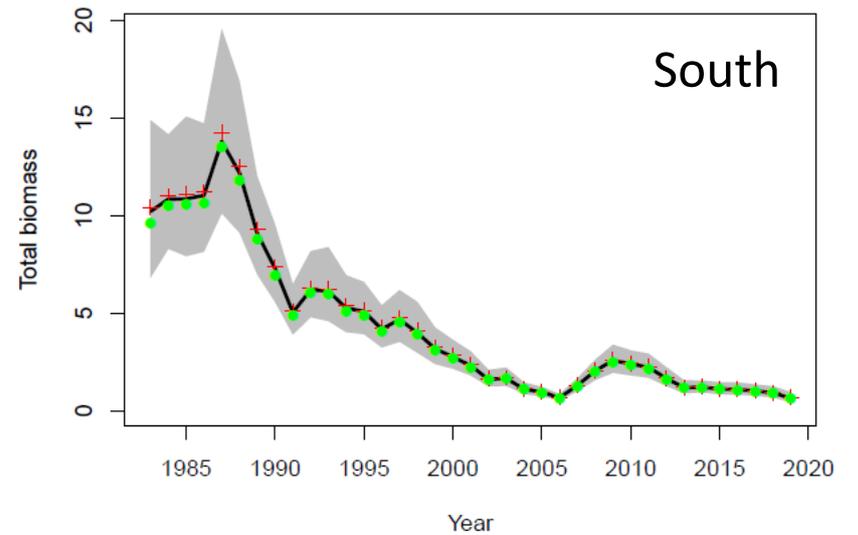
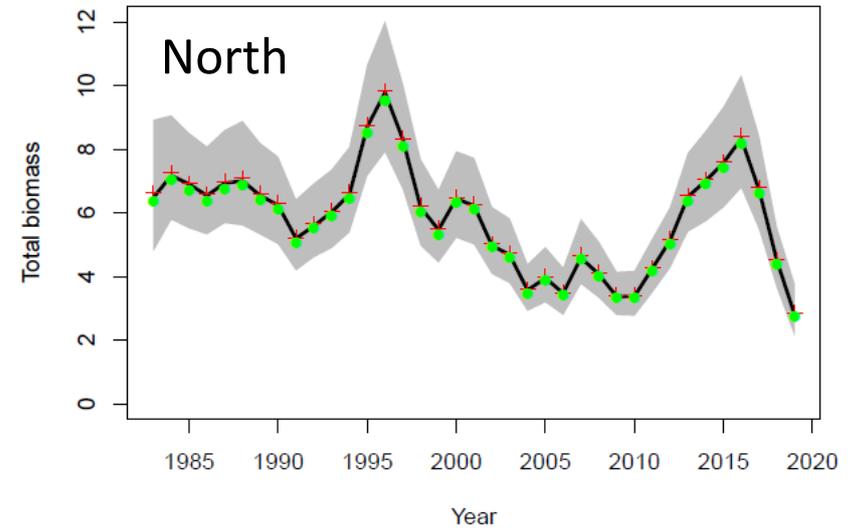
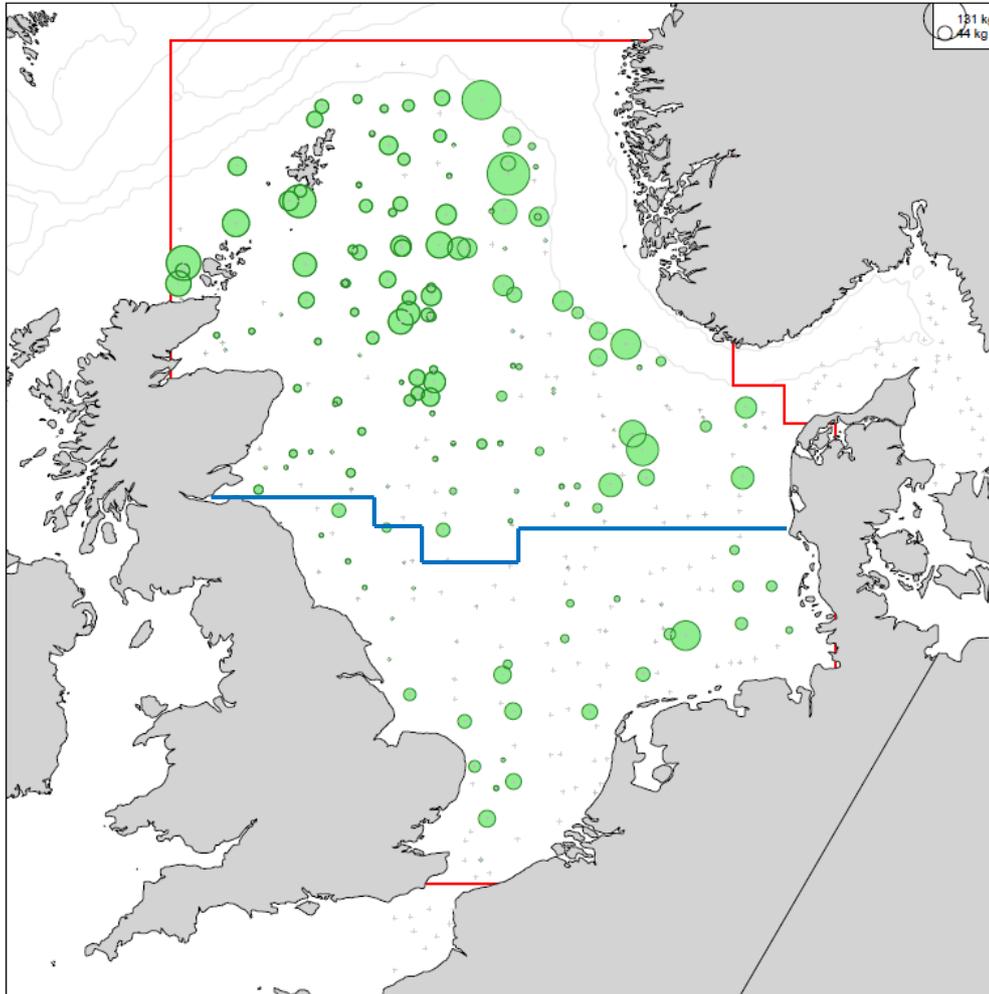
- MSY advice basis
  - But  $SSB < Blim$  so advice is to increase SSB to Blim by 2021
- TAC agreed after 3 rounds of EU-Norway negotiations
- Norway and most Member States argued for smaller cut of -30% to -50%
- Commission unwilling to move from -62%
- Final compromise:
  - 50% TAC cut with additional technical measures

	Advice (4, 3a, 7d)	% change from 2019 TAC	2020 TAC (4, 3a, 7d)	% change from 2019 TAC
Total catch 2020	13 686	-62%	17 679	-50%
SSB 2021	107 000 (+28%)			

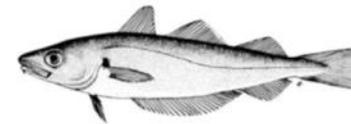
# North Sea cod: stock distribution



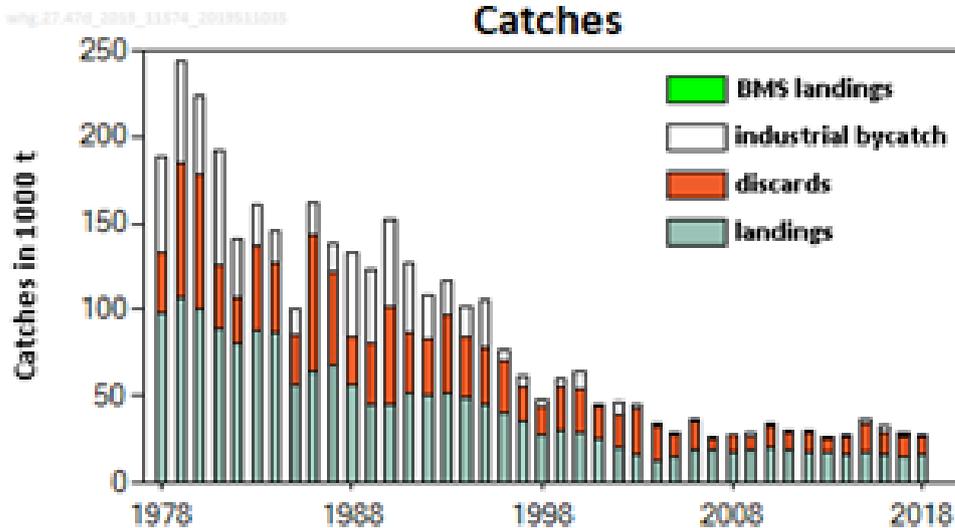
Cod 2019 Q1 NS-IBTS: biomass within area (4)



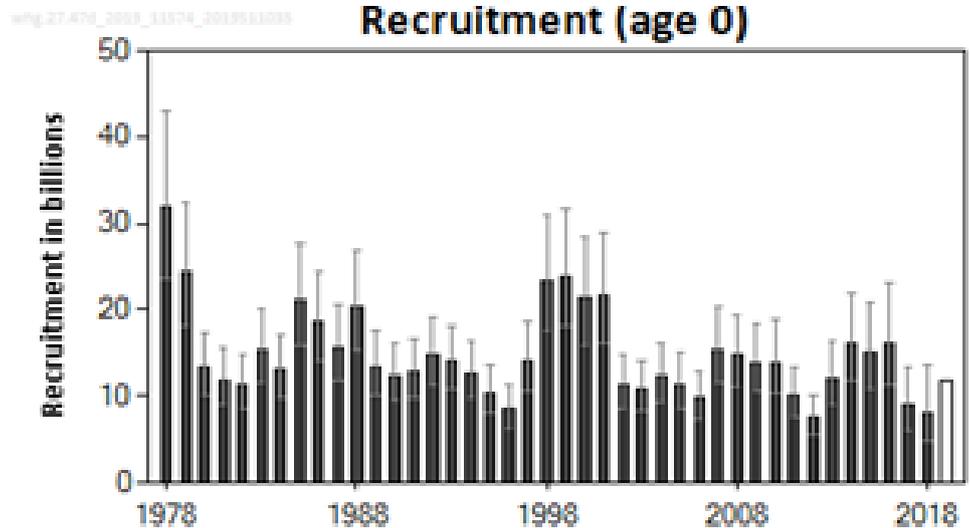
# North Sea whiting: summary



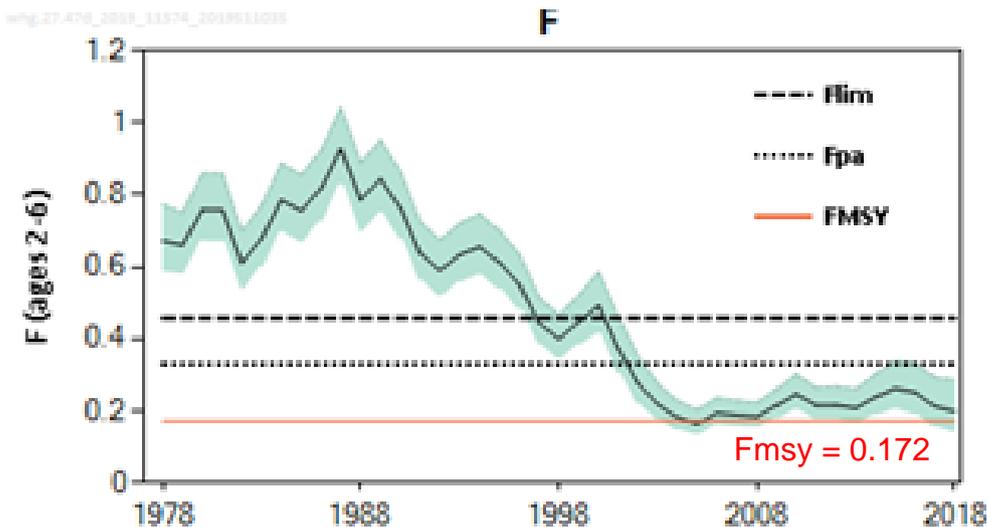
## Catches



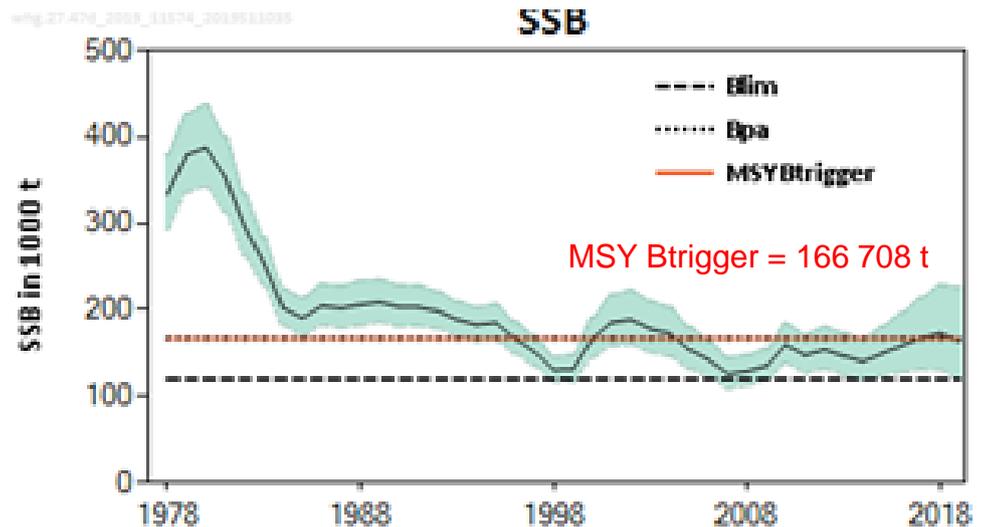
## Recruitment (age 0)



## F



## SSB



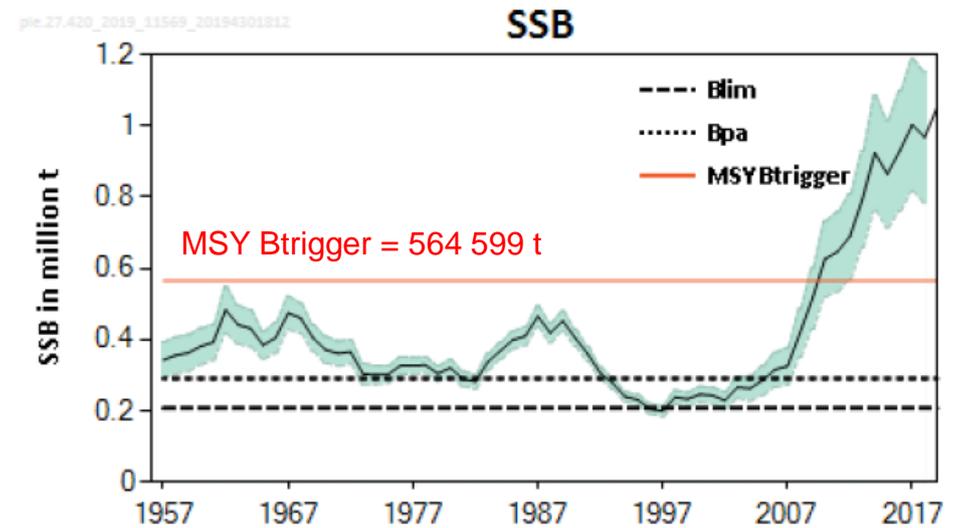
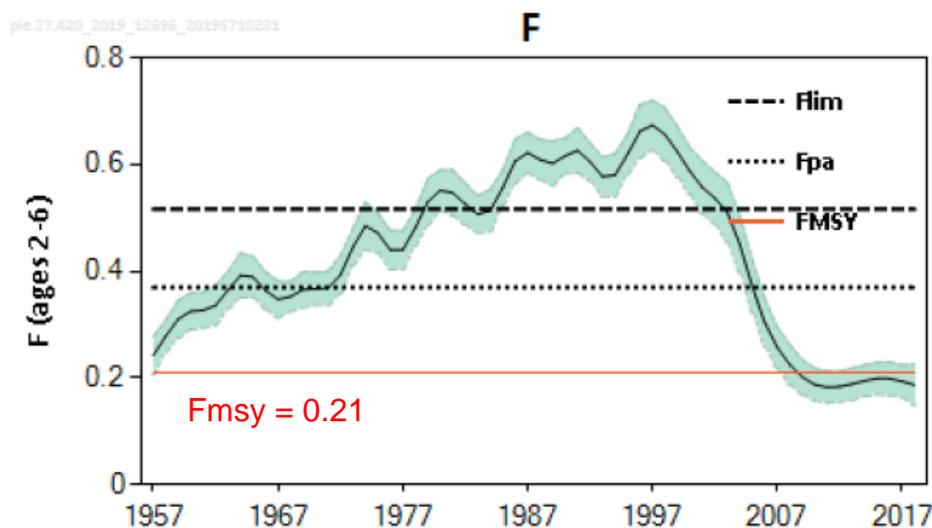
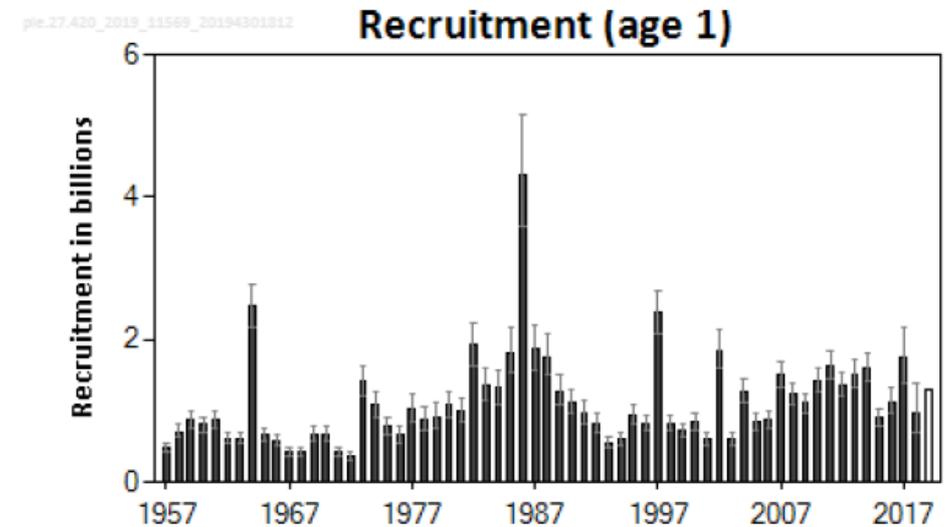
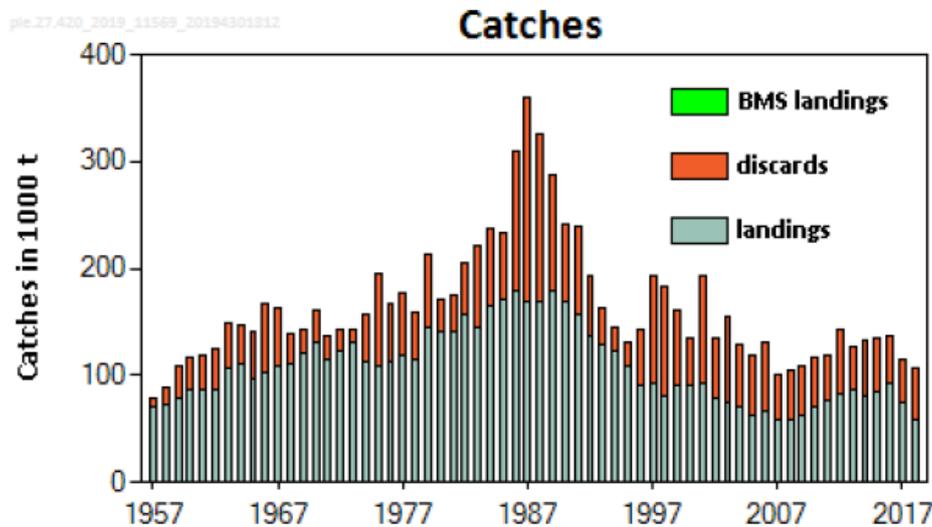
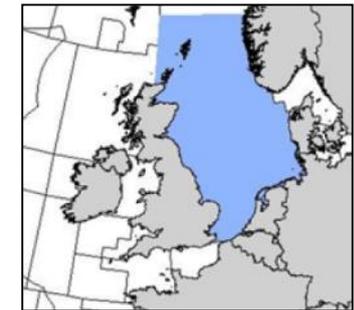
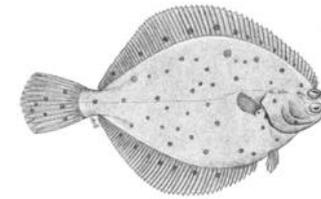
# North Sea whiting: advice and TAC decision



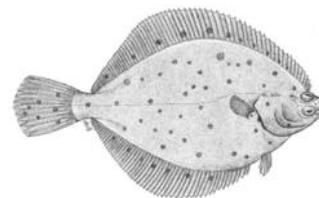
	Advice	% change from 2019 TAC (NS)	2020 TAC	% change from 2019 TAC
Total catch 2020 (all areas)	22 082	+28.5%		
HC catch 2020 (NS)	15 036	-12.5%	17 158	0%
SSB 2021	156 981 (+0.25%)			

- MSY advice basis
- Whiting more impacted by natural mortality

# North Sea plaice: summary



# North Sea plaice: advice and TAC decision



	Advice (4, 3a)	% change from 2019 TAC	2020 TAC (4, 3a)	% change from 2019 TAC
Total catch 2020	166 499	+17%	166 499	+17%
SSB 2021	1 237 188 (+4.4%)			

- MSY advice basis

# North Sea *Nephrops*: advice and TAC decision



	Advice (4)	% change from 2019 TAC	2020 TAC (4)	% change from 2019 TAC
Total catch 2020	24 755	+12%	23 002	+4%
SSB 2021	Unknown			

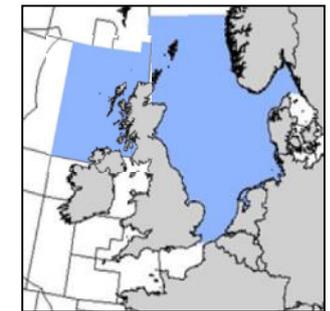
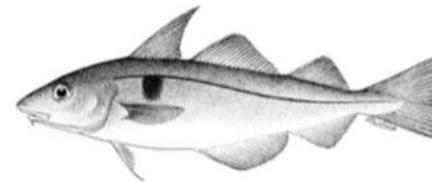
- MSY advice basis
- TAC increase limited by survivability discard exemption

# Northern Shelf and widely distributed demersal



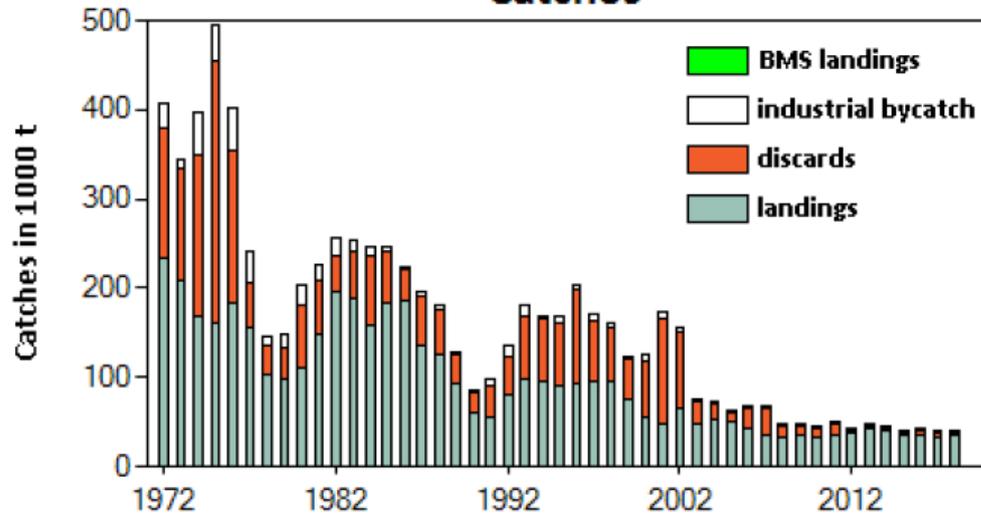
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# Northern Shelf haddock: summary



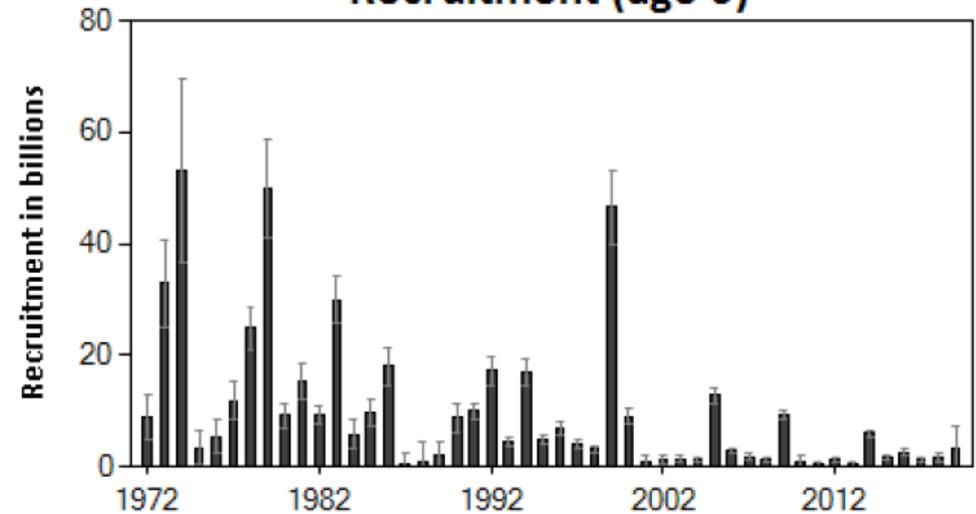
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## Catches



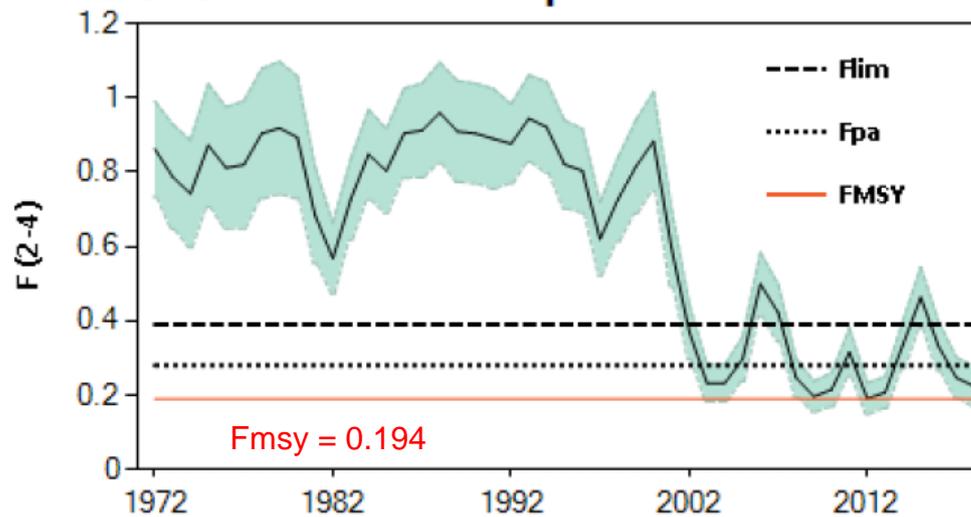
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## Recruitment (age 0)



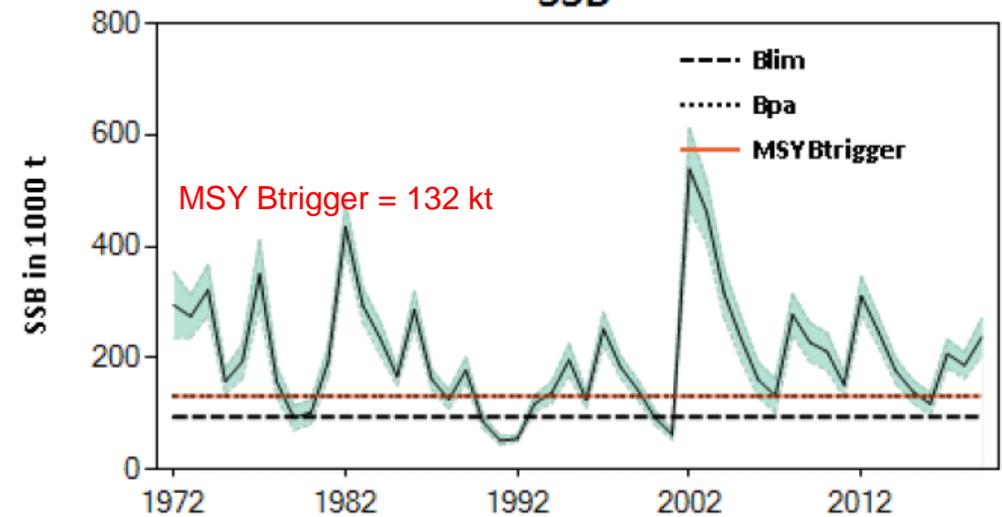
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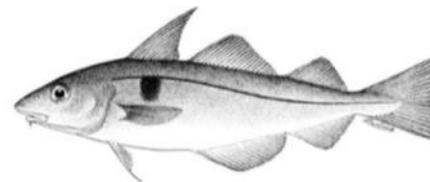


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## SSB



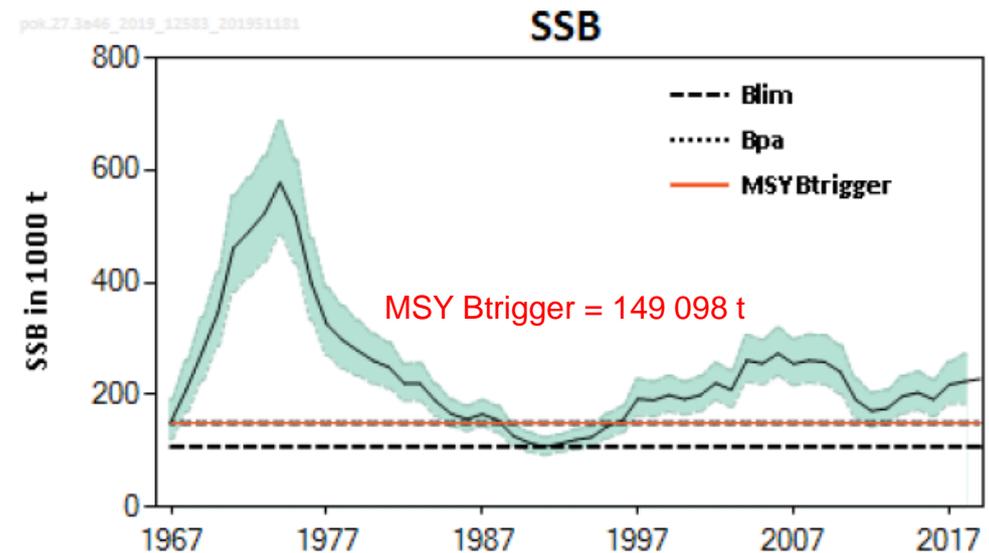
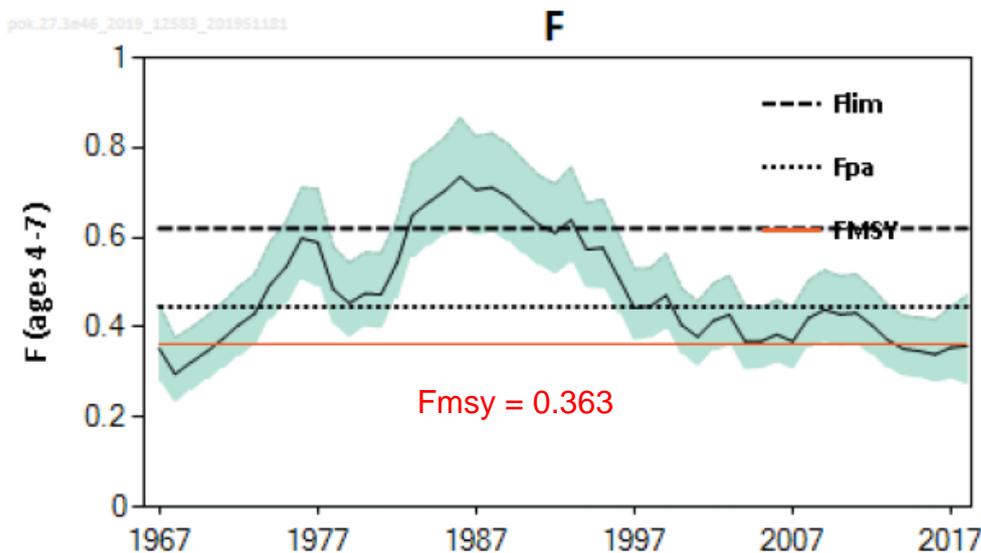
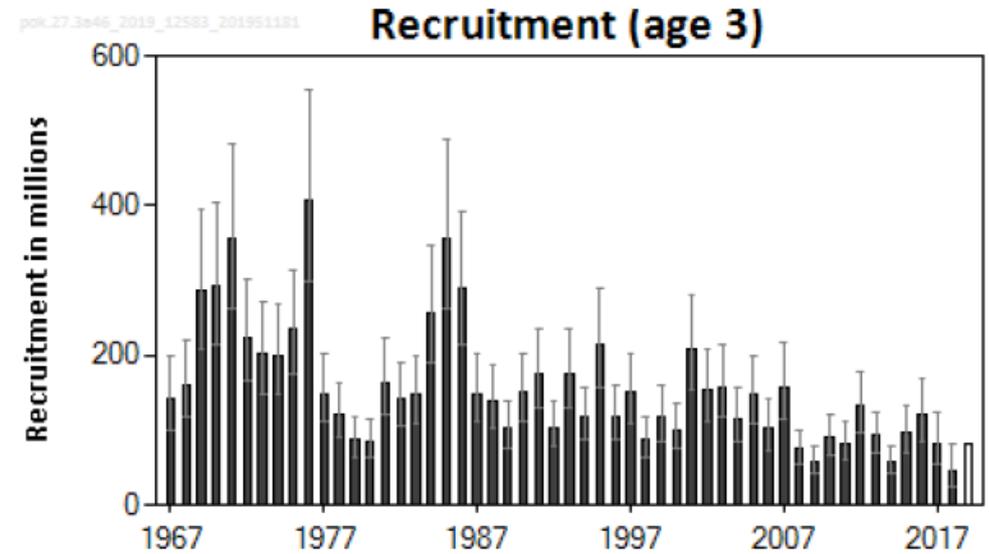
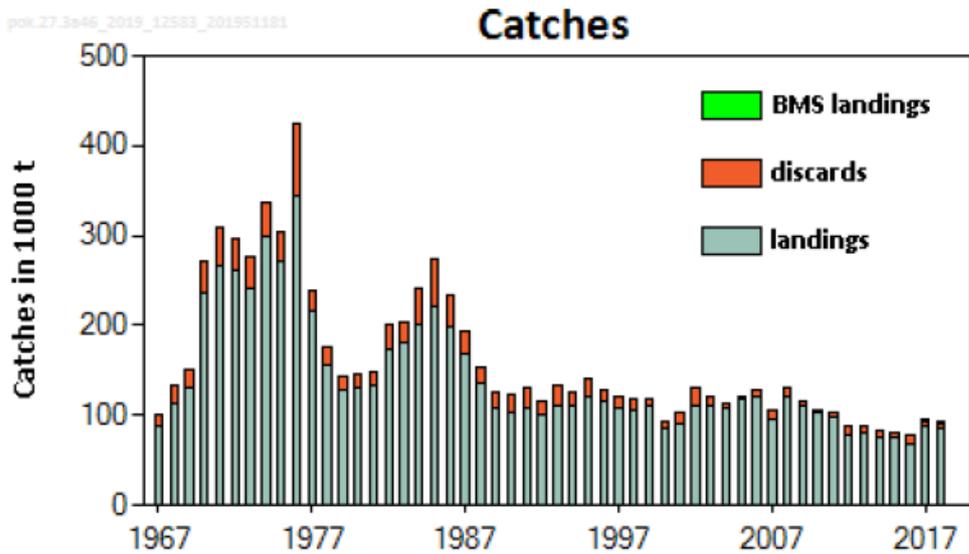
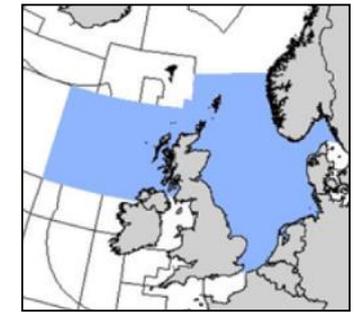
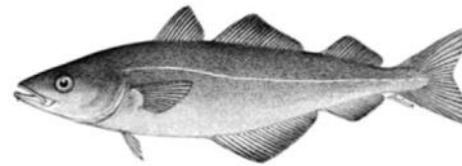
# Northern Shelf haddock: advice and TAC decision



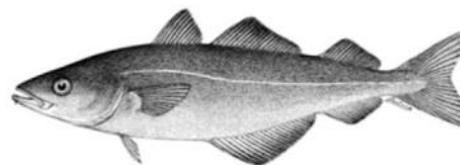
	Advice (4, 3a, 6a)	% change from 2019 TAC	2020 TAC (4, 3a, 6a)	% change from 2019 TAC
Total catch 2020	41 818	+23%	41 818	+23%
SSB 2021	196 886 (-3.5%)			

- MSY advice basis

# Northern Shelf saithe: summary



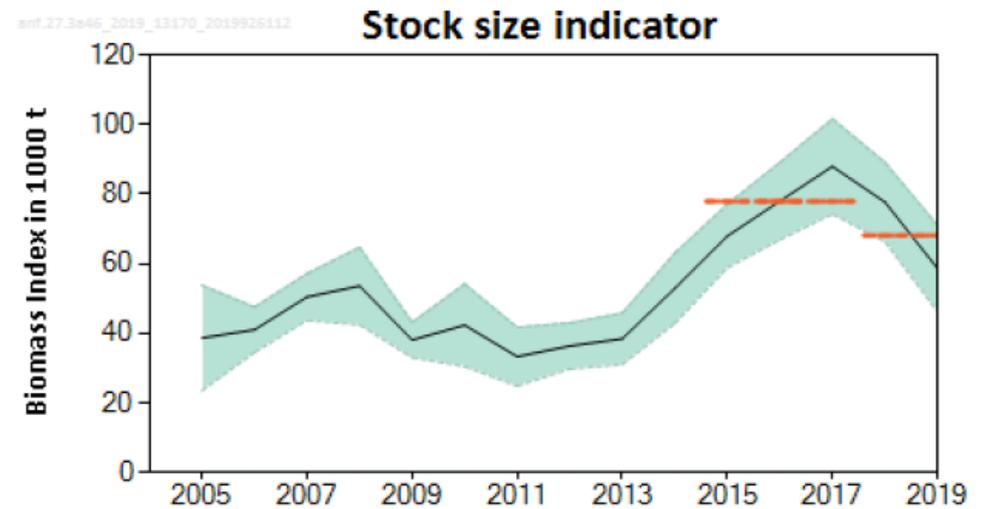
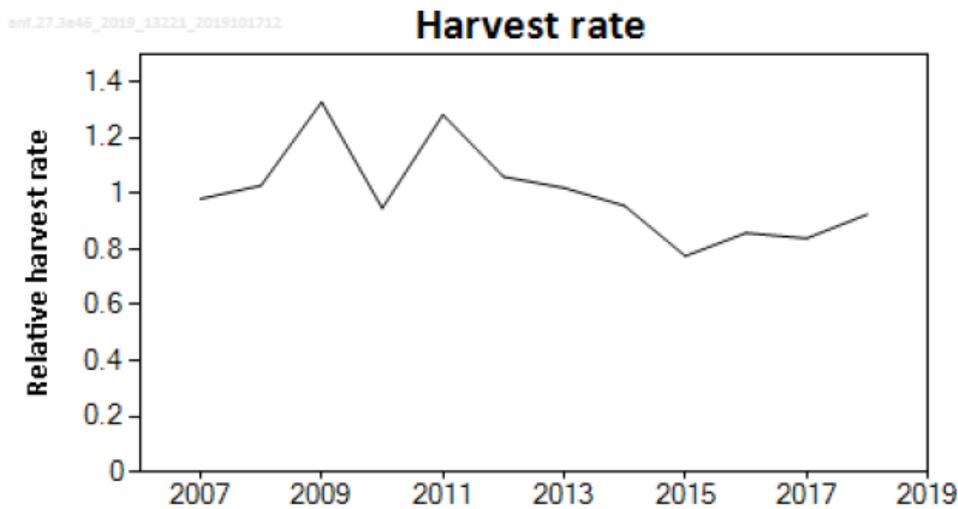
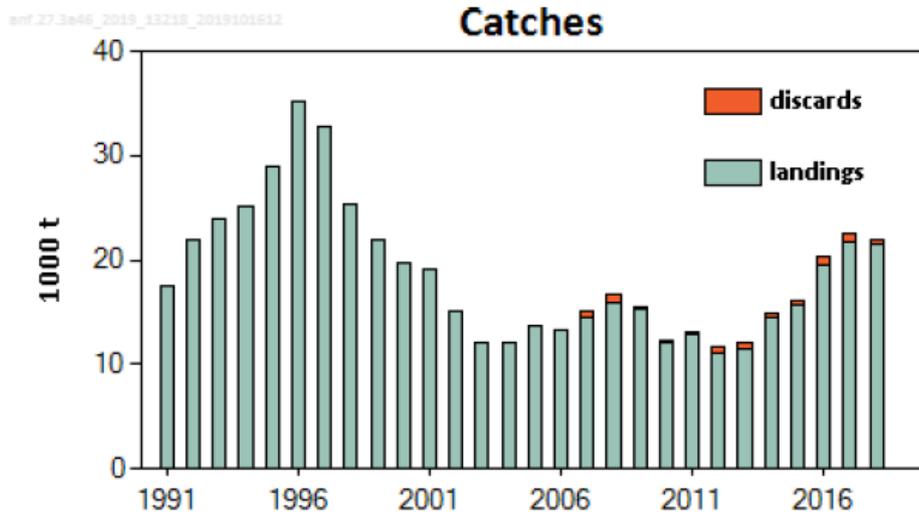
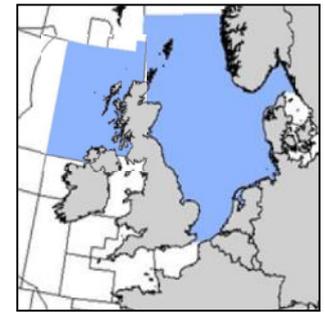
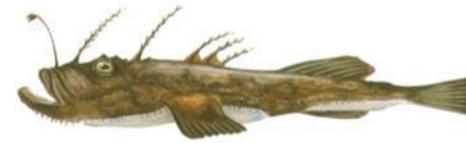
# Northern Shelf saithe: advice and TAC decision



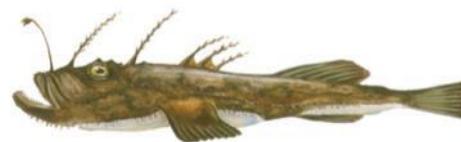
	Advice (4,3a,6)	% change from 2019 TAC (4, 6a, 3a)	2020 TAC (4,3a,6)	% change from 2019 TAC
Total catch 2020	88 093	-15%	88 093	-15%
SSB 2021	213 159 (-1.93%)			

- MSY advice basis

# Northern Shelf monkfish: summary



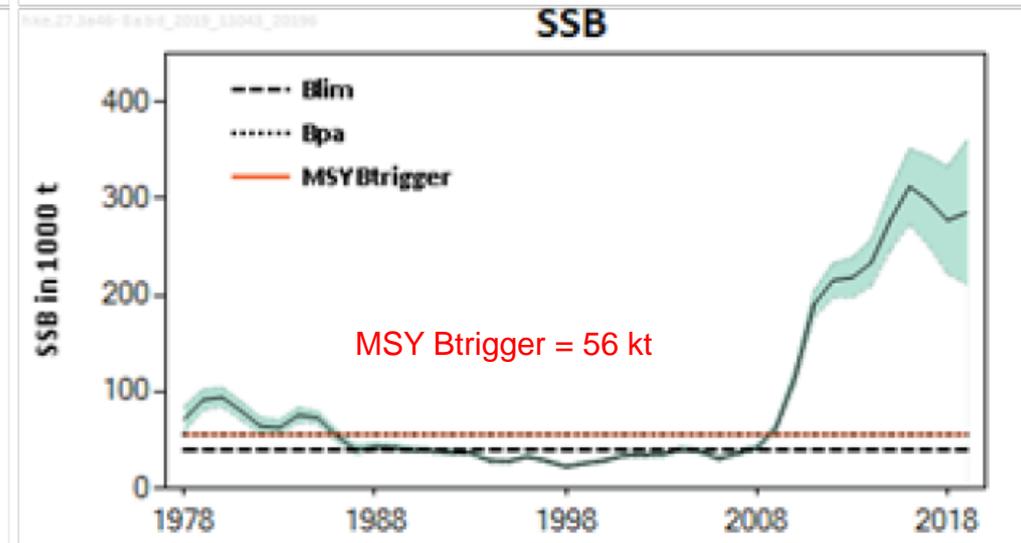
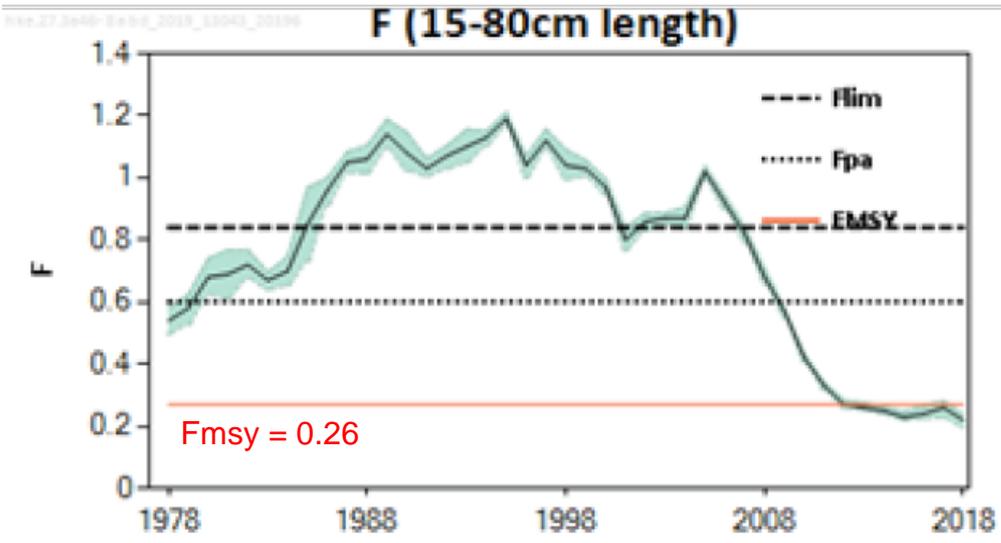
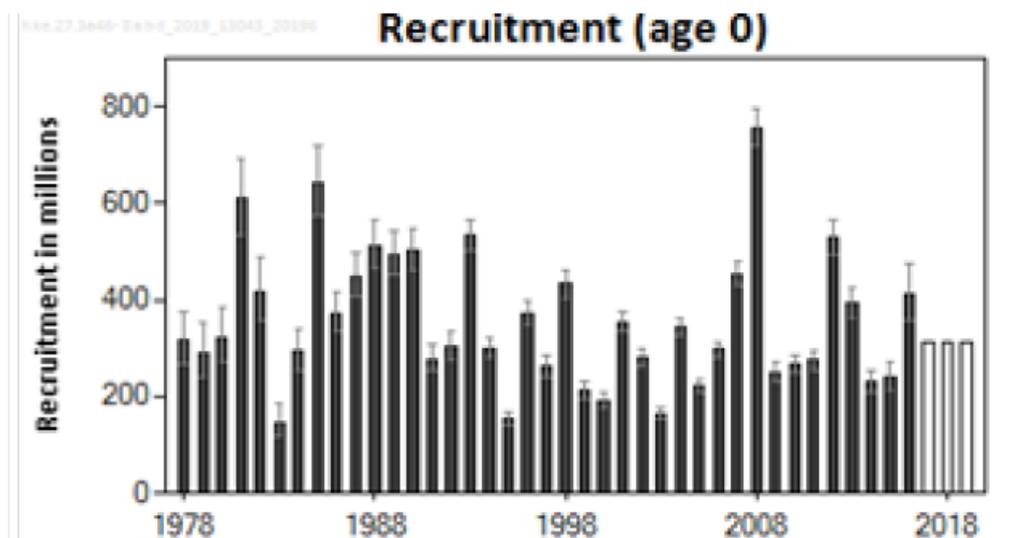
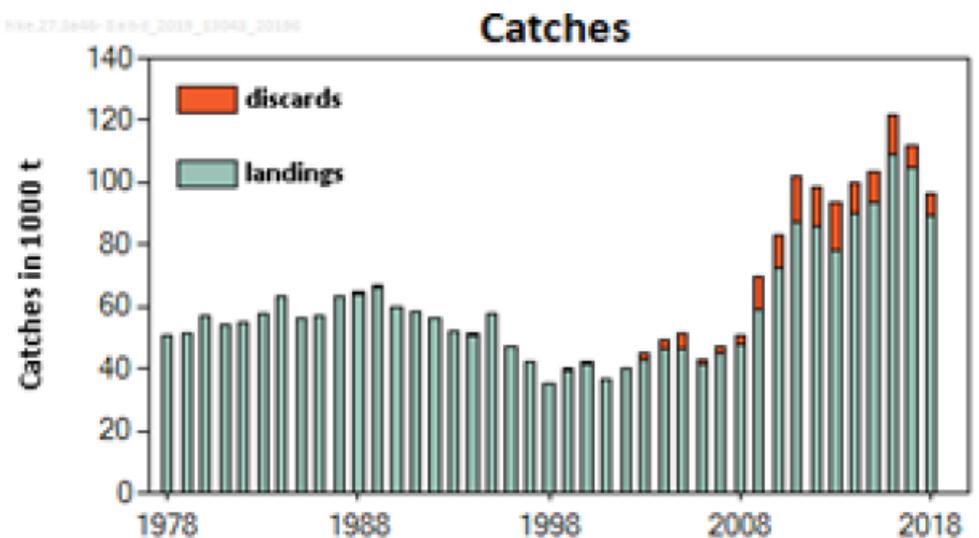
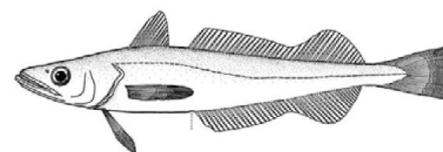
# Northern Shelf monkfish: advice and TAC decision



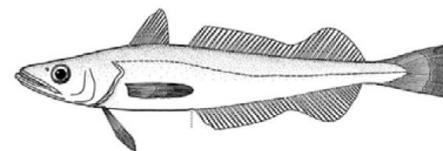
	Advice (4, 3a, 6)	% change from 2019 TAC	2020 TAC (4, 3a, 6)	% change from 2019 TAC
Total catch 2020	22 056	-30%	22 056	-30%
SSB 2021	Unknown			

- Data limited stock advice
- Additional precautionary reduction

# NE Atlantic hake (Northern): summary



# NE Atlantic hake (Northern): advice and TAC decision



	Advice	% change from 2019 advice	2020 TAC	% change from 2019 TAC
Total catch 2020	104 763	-26%	112 903	-21%
SSB 2021	263 204 (-5%)			

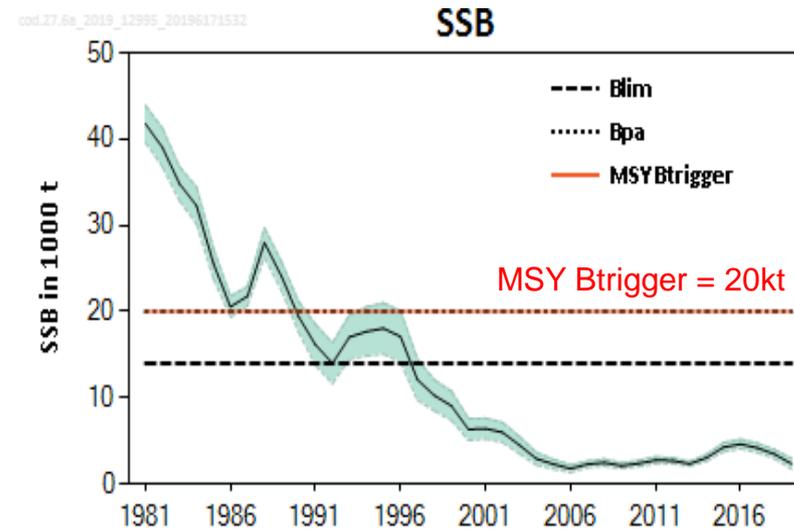
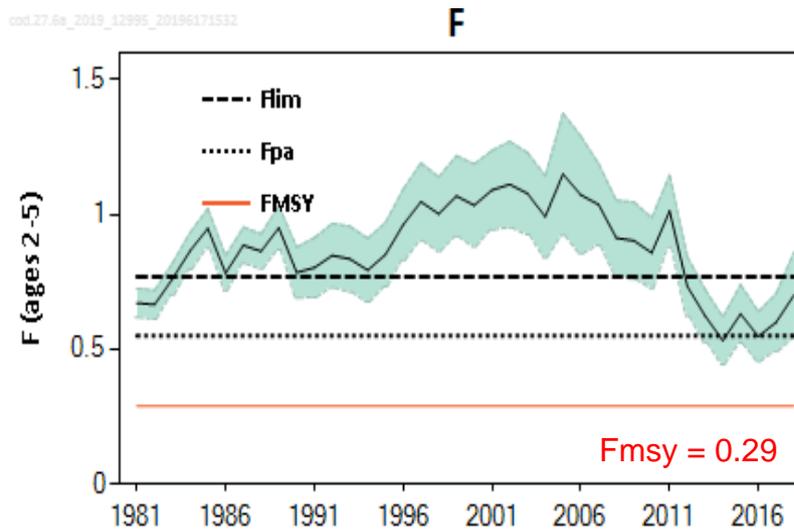
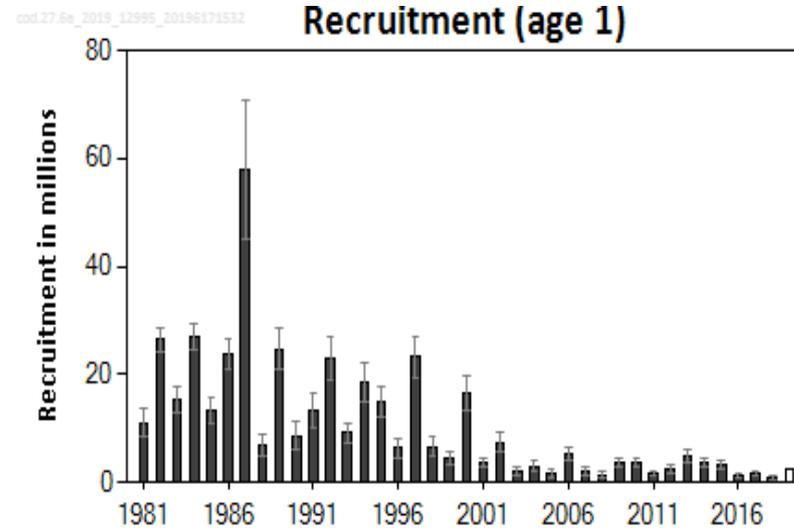
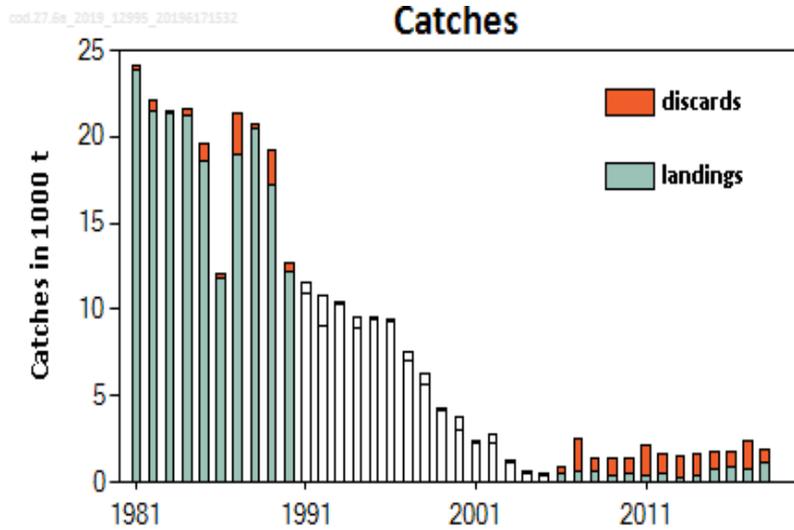
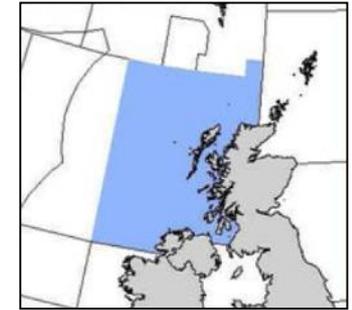
- MSY advice basis
- Advice lower than last year because of stock rescaling and reference point changes after interbenchmark meeting
- Key issue is stock distribution

# West of Scotland demersal

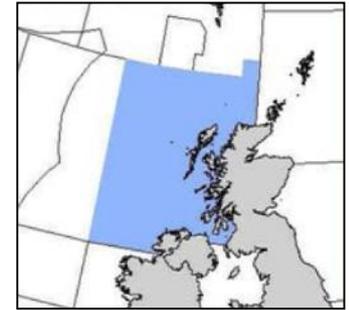


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# West of Scotland cod: summary



# West of Scotland cod: advice and TAC decision

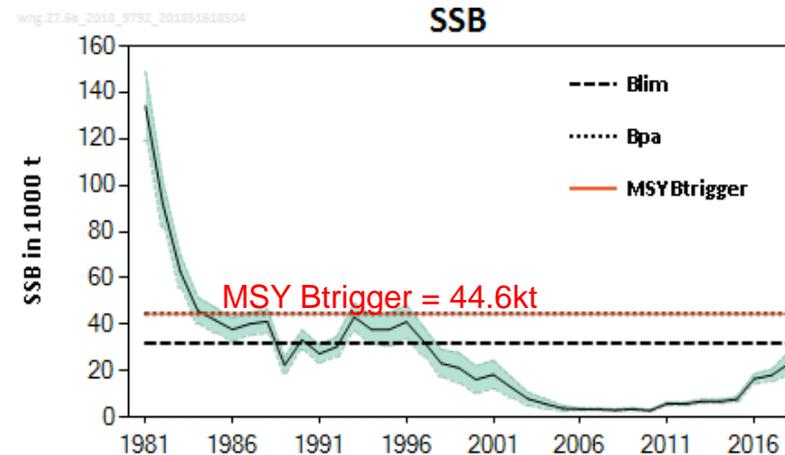
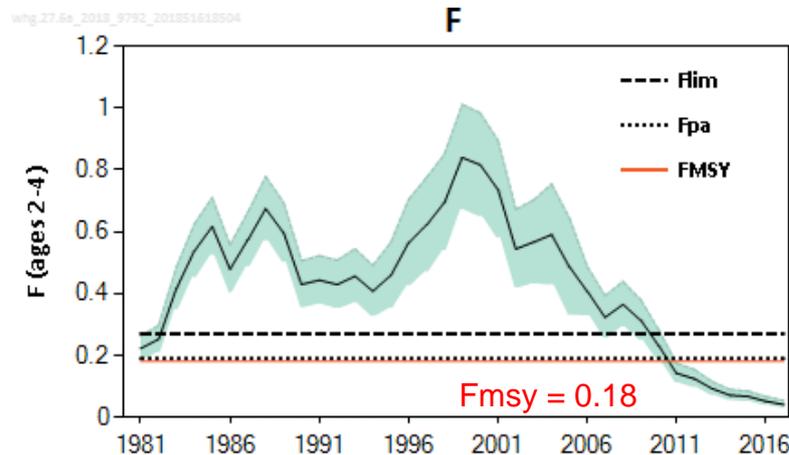
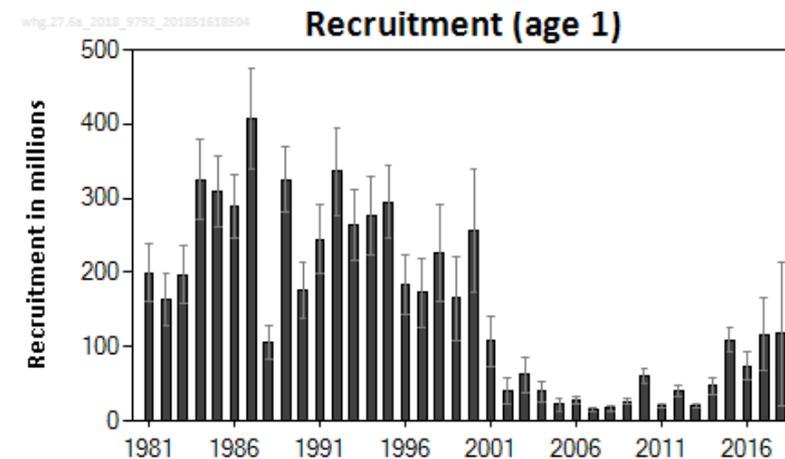
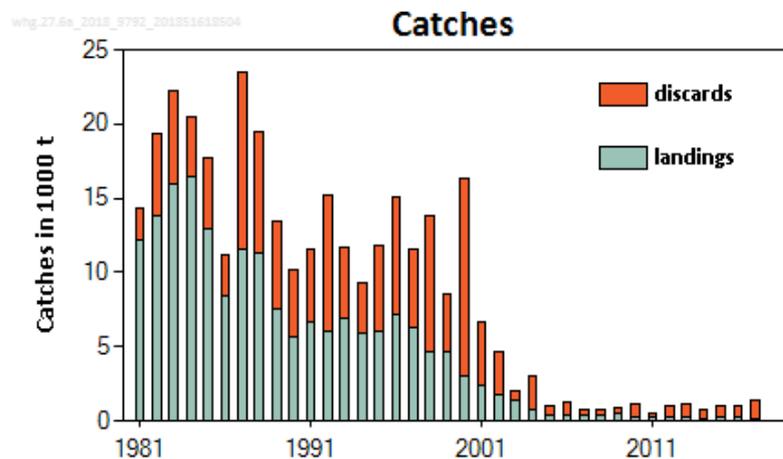
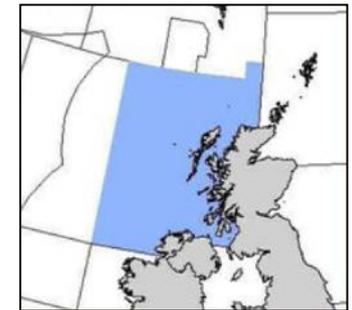


	Advice	% change from 2019 TAC	TAC 2020	% change from 2020 TAC
Total catch 2020	Zero catch	-100%	1 279	-26%
SSB 2021	3 765 (+87%)			

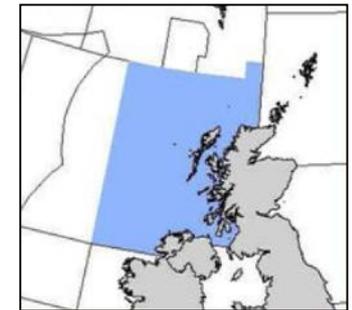
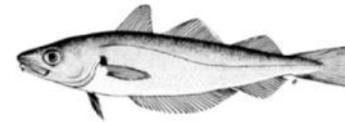
- Based on Nov 2019 ICES special request advice minus 20% to encourage selectivity
- Biennial advice for 2020 and 2021
- Benchmark just concluded

# West of Scotland whiting

- No new advice in 2019
- Biennial advice for 2019 and 2020
  - Zero catch



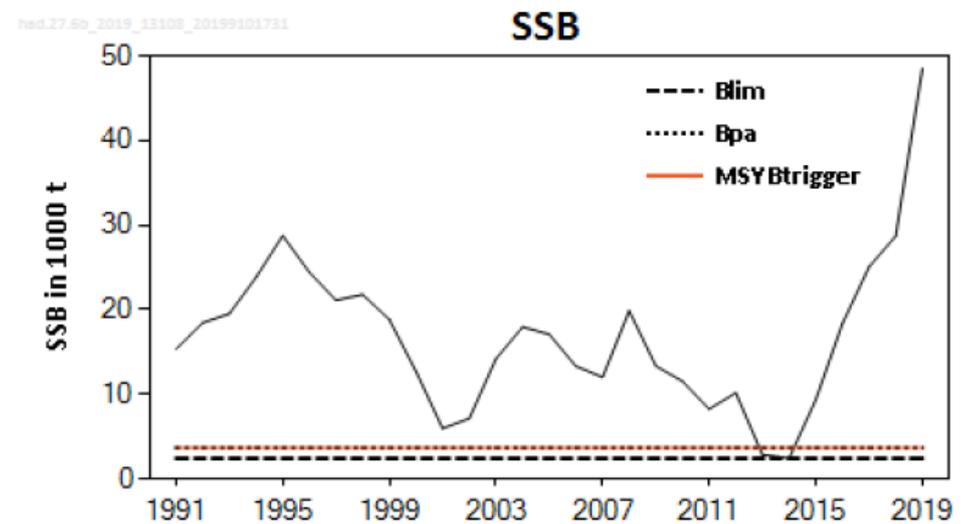
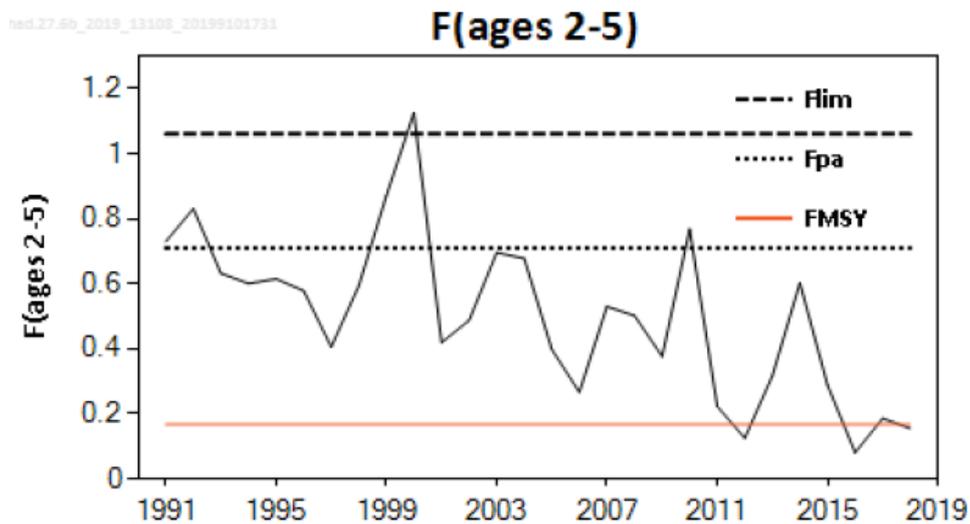
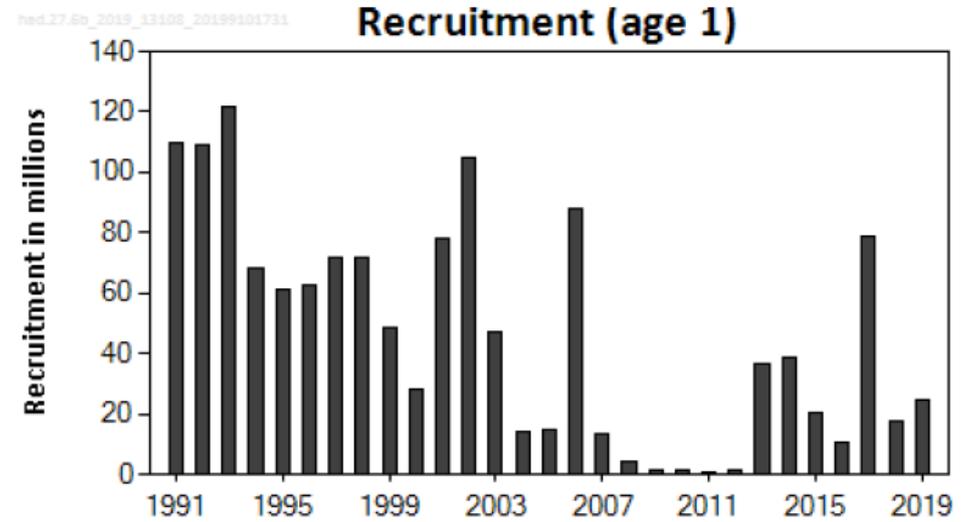
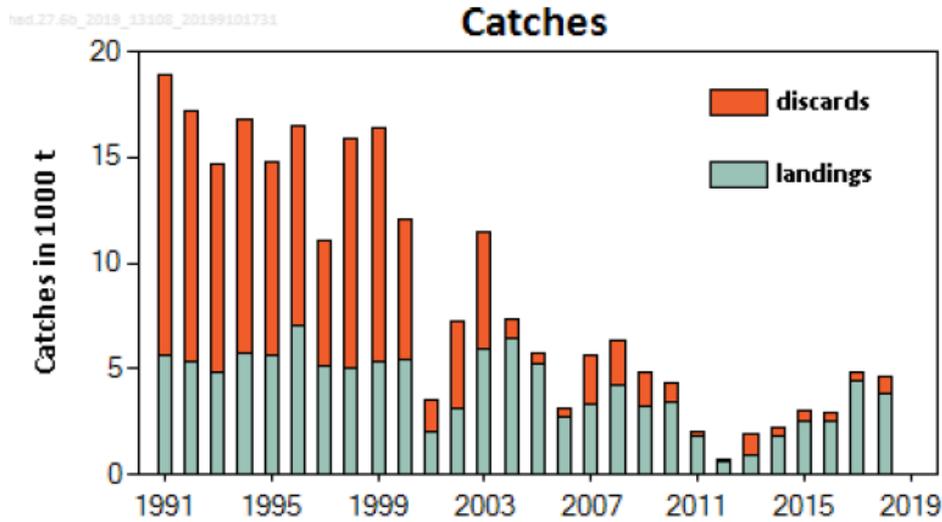
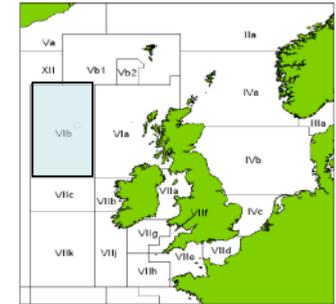
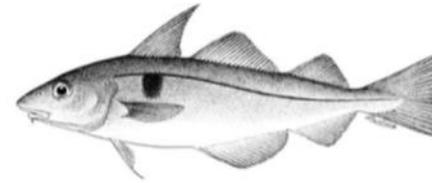
# West of Scotland whiting: advice and TAC decision



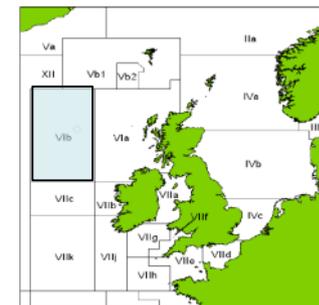
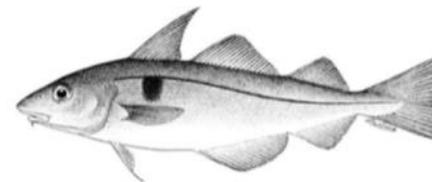
	Advice	% change from 2019 TAC	TAC 2020	% change from 2020 TAC
Total catch 2020	Zero catch	-100%	937	-16%
SSB 2021	24 239 (-9%)			

- Based on Nov 2019 ICES special request advice minus 20% to encourage selectivity
- Biennial advice for 2020 and 2021
- Benchmark just concluded

# Rockall haddock: summary



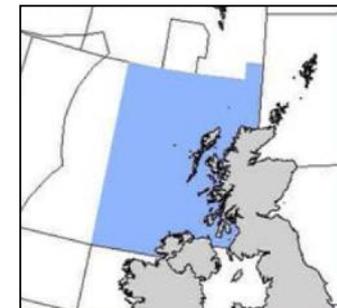
# Rockall haddock: advice and TAC decision



	Advice (4, 3a, 6a)	% change from 2019 TAC	2020 TAC (4, 3a, 6a)	% change from 2019 TAC
Total catch 2020	10 472	0%	10 472	0%
SSB 2021	196 886 (-3.5%)			

- MSY advice basis

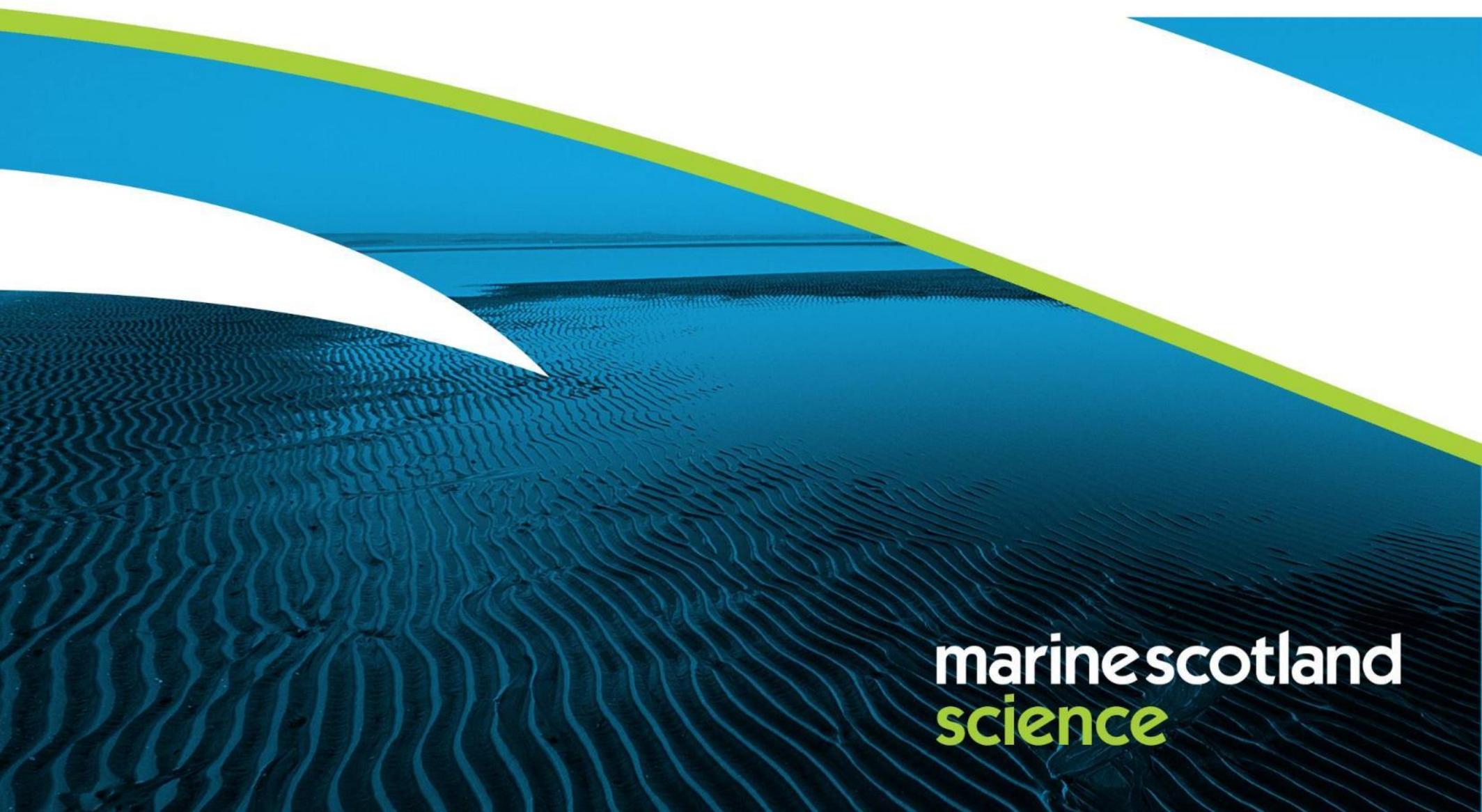
## West of Scotland *Nephrops*: advice and TAC decision



	Advice (6a)	% change from 2019 TAC	2020 TAC (6a)	% change from 2019 TAC
Total catch 2020	16 601	+10%	15 899	+5%
SSB 2021	Unknown			

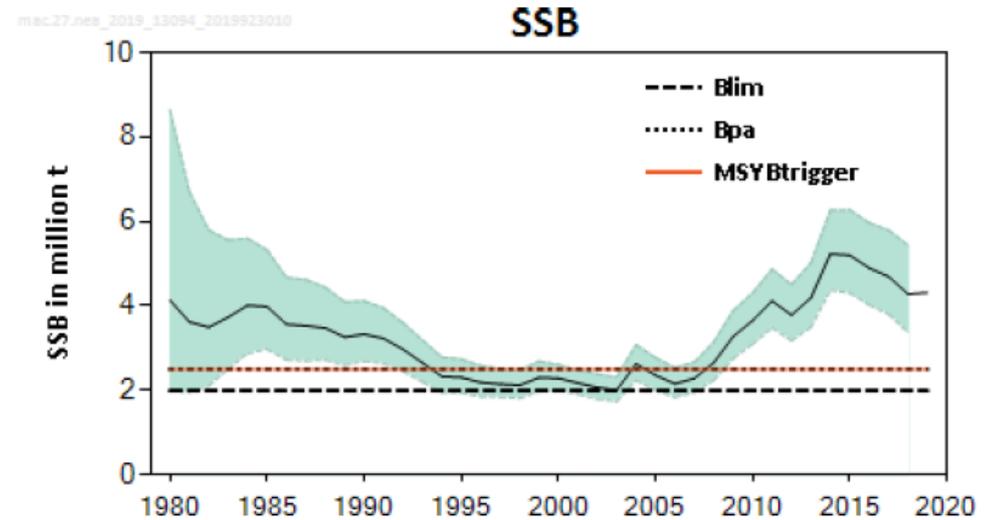
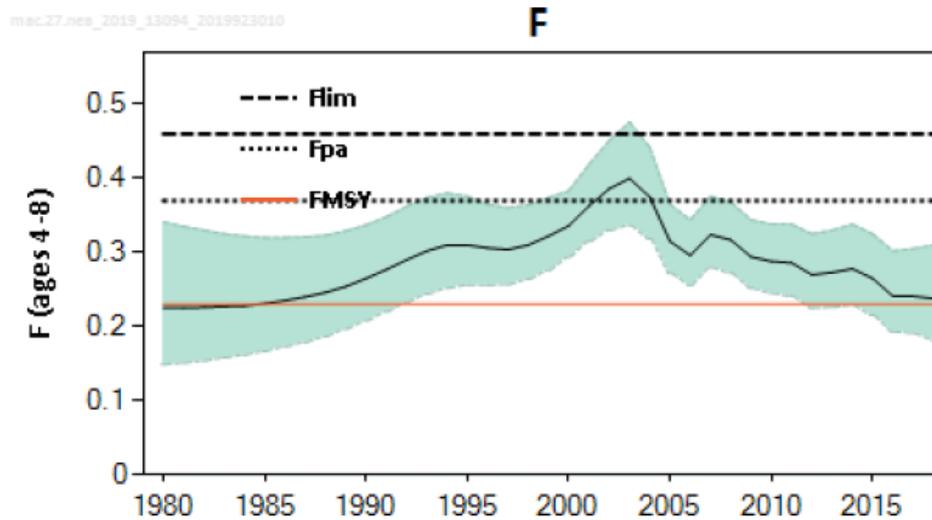
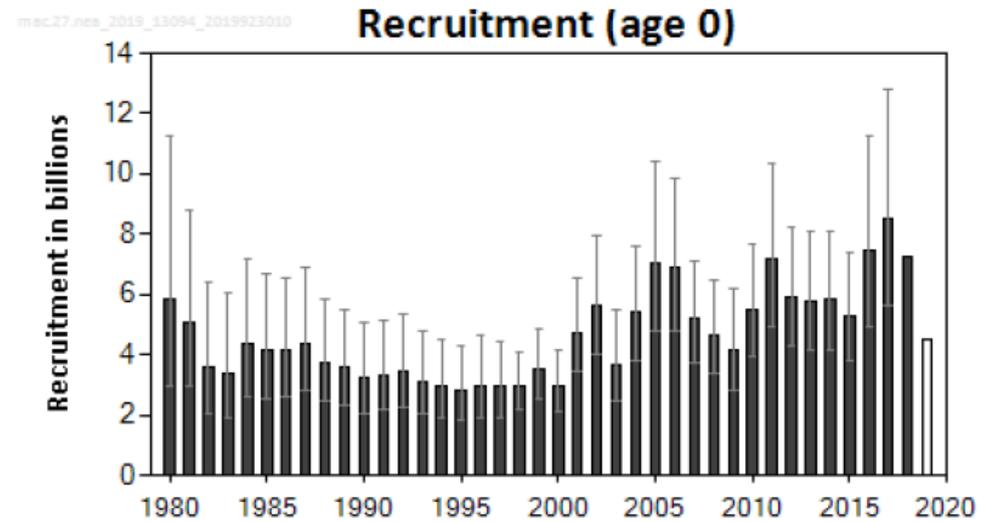
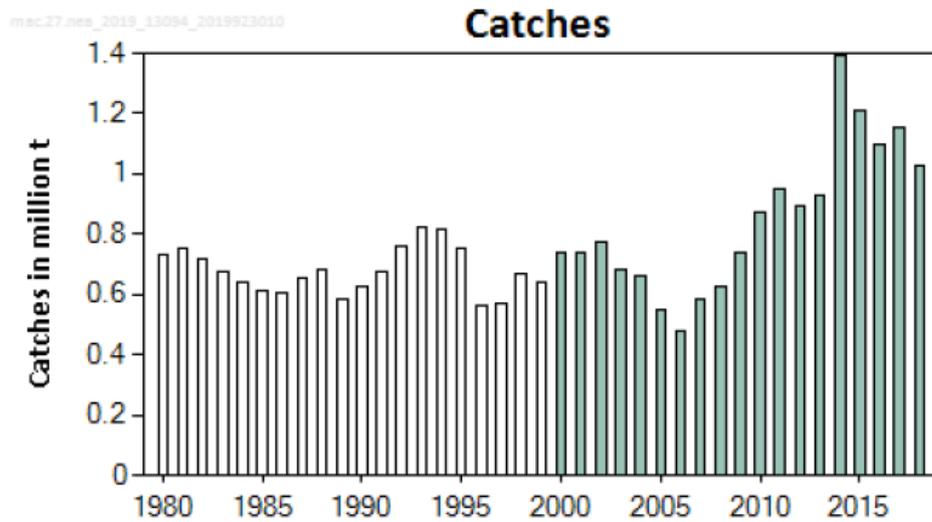
- MSY advice basis
- TAC increase limited by survivability discard exemption

**Pelagic**



**marinescotland**  
**science**

# Atlantic mackerel: summary



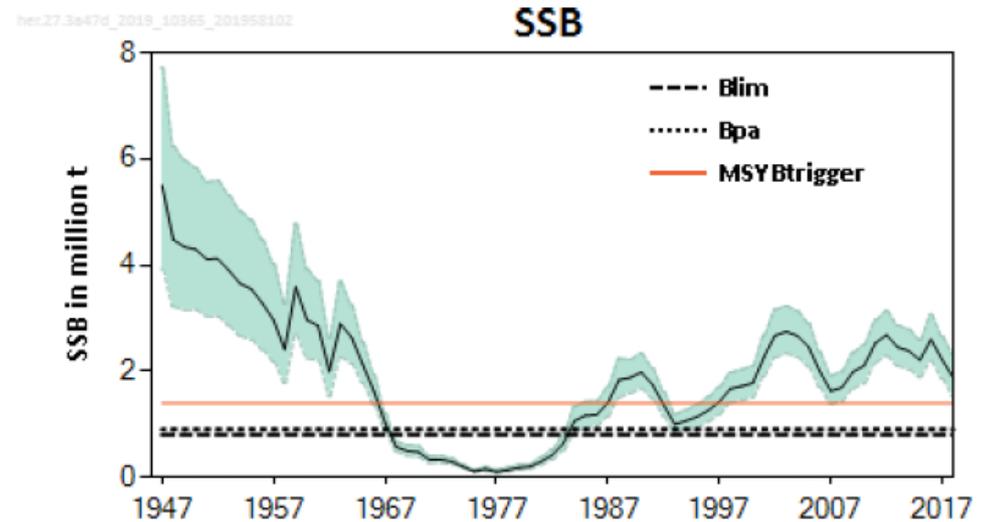
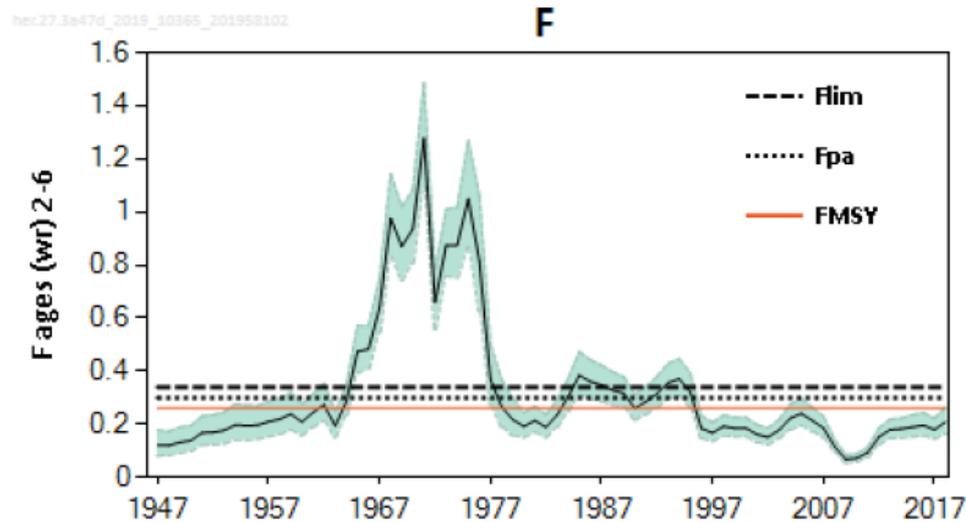
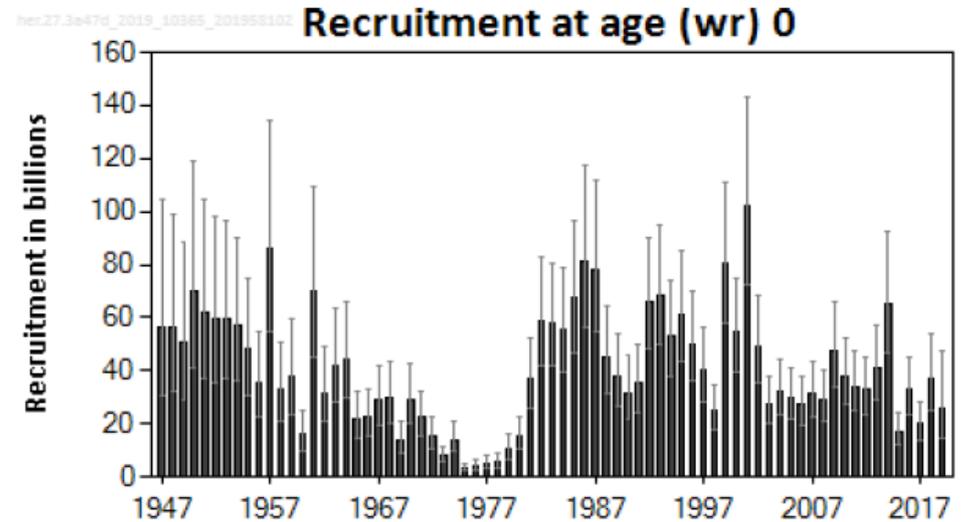
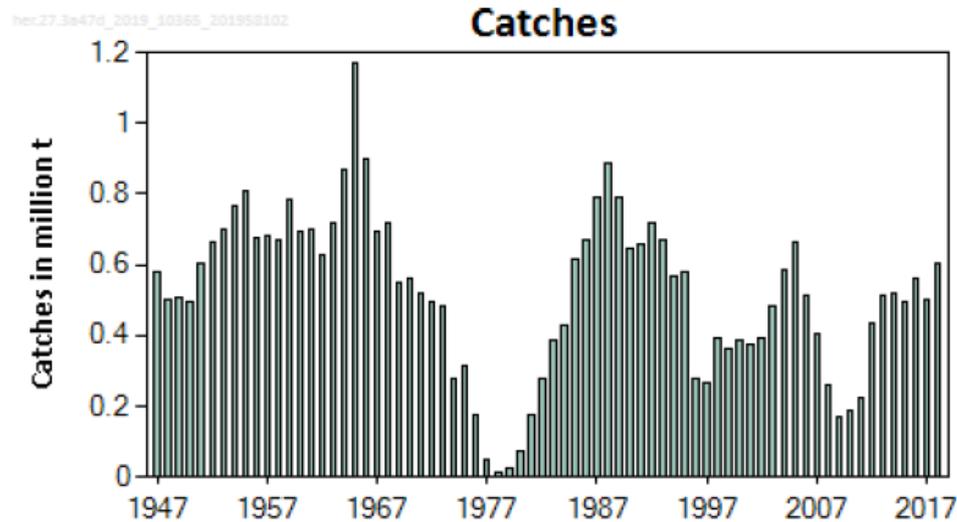
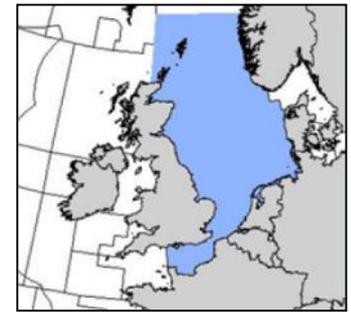
# Atlantic mackerel: advice and TAC decision



	Advice	% change from 2019 TAC	TAC 2020	% change from 2020 TAC
Total catch 2020	922 064	+41%	922 064	+41%
SSB 2021	4 390 097 (-3%)			

- MSY approach basis

# North Sea herring: summary



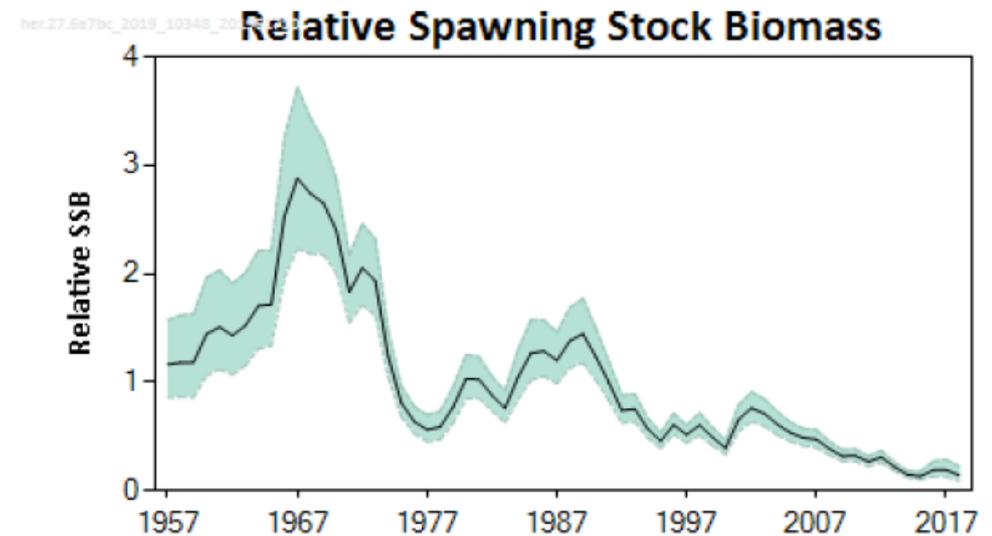
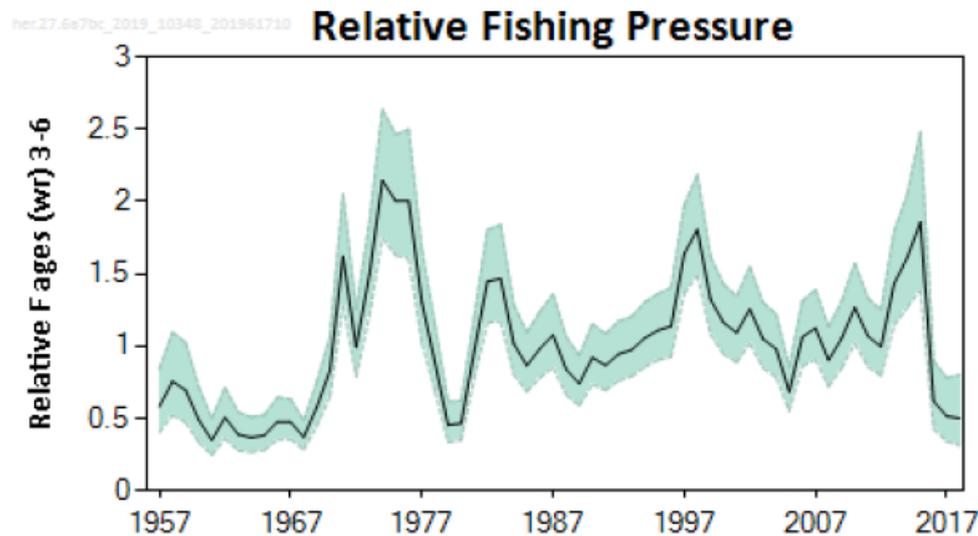
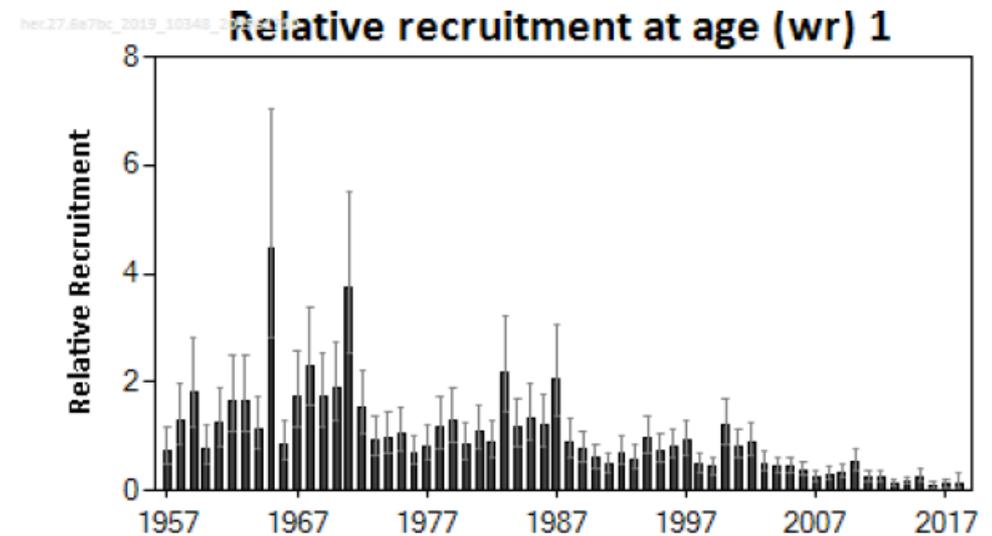
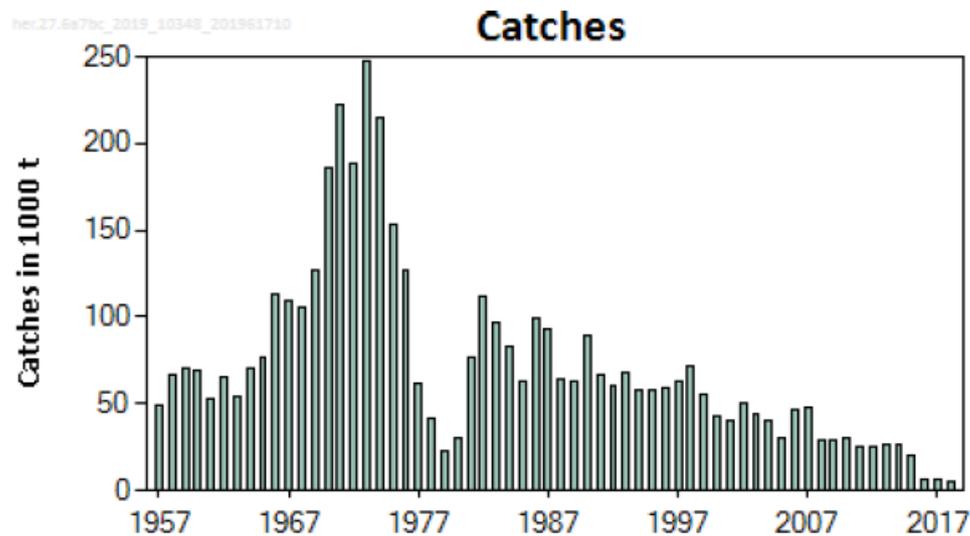
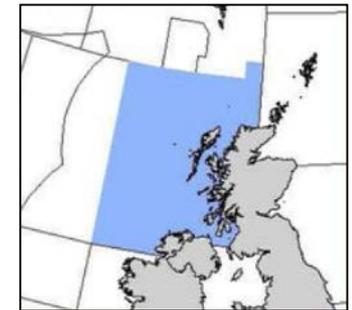
# North Sea herring: advice and TAC decision



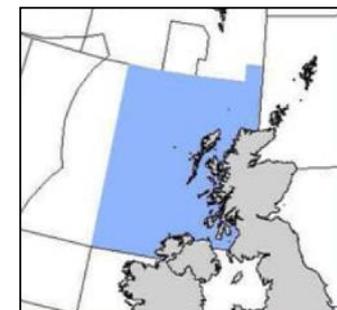
	Advice	% change from 2019 TAC	TAC 2020	% change from 2020 TAC
Total catch 2020	431 062	+38.4%	385 008	0%
SSB 2021	1 167 712 (-15.8%)			

- MSY approach basis
- TAC limited to rollover as this will limit impact on SSB

# West of Scotland herring: summary



# West of Scotland herring: advice and TAC decision



	Advice	% change from 2019 TAC	TAC 2020	% change from 2020 TAC
Total catch 2020	Zero catch	-100%	3 480	-17%
SSB 2021	Unknown			

- MSY approach basis
- Small TAC permitted for scientific monitoring purposes only

Category	Stock	Advice	% change from 2019 TAC	2020 TAC	% change from 2019 TAC
North Sea demersal	Cod	13 686	-62%	14 718	-50%
	Whiting	15 036	-12.5%	17 158	0%
	Plaice	166 499	+17%	166 499	+17%
	<i>Nephrops</i>	24 755	+12%	23 002	+4%
Northern Shelf and widely distributed demersal	Haddock	41 818	+23%	41 818	+23%
	Saithe	88 093	-15%	88 093	-15%
	Monkfish	22 056	-30%	22 056	-30%
	Northern hake	104 763	-26%	84 756	-21%
West of Scotland demersal	Cod	Zero catch	-100%	1 279	-26%
	Whiting	Zero catch	-100%	937	-16%
	Rockall haddock	10 472	0%	10 472	0%
	<i>Nephrops</i>	16 601	+10%	15 899	+5%
Pelagic	Mackerel	922 064	+41%	922 064	+41%
	NS herring	431 062	+38%	385 008	0%
	WS herring	Zero catch	-100%	3 480	-17%