Version 10

The Choke Mitigation Tool is designed to identify and quantify choke situations, in order to develop contingency plans before the 1st of January 2019 when the full landing obligation is implemented

The tool was originally developed by the NWWAC Advice Drafting Group on the Landing Obligation and has been fine-tuned after the NWWAC and NWW Member States Celtic Seas Expert Group (20-21th June). This is the seventh version and should be considered as a final template.

Notes to the user

The tool consists of 3 parts:

PART 1: Stock Identification

• A separate worksheet is created for each individual stocks, which is managed by an EC TAC. The **PART 2:** Quantifying the choke problem (based on 2015 data)

This part of the tool compares the level of catches (landings plus discards) with the available quota across the relevant Member States in order to provide an indication of the likely surplus or deficit between catches and quota availability.

- The analysis is based on 2015 catch and landings data from the STECF database. At the time of completing this table, this was the most recent and complete catch data available (STECF database https://stecf.jrc.ec.europa.eu/dd/effort/graphs-annex)
- Please note that for some stocks the discard estimates are calculated based on STECF effort areas, which may differ from the TAC management areas, like plaice and sole in area 7.hjk. In these cases, ICES catch data has been used.
- The catches are compared with both the initial quota (as indicated in the Fishing Opportunity Regulation for 2015 (EU 2015/104) and the final quota which takes into account the actual swaps between Member States during the year as well as the inter-annual flexibilities (i.e. banking and borrowing). The latter data was provided by the EC.
- The result of the calculation identifies the size of the quota surplus or deficit by Member State.
- In the case of a quota deficit (i.e. catches are higher than the quota availability (post swaps)), the column is highlighted as follows:

Yellow: insufficient quota to cover the catches

Red: the relative stability share is zero to start with.

• Each potential choke situation is categorised according to the following definitions based on those developed at the MS workshop on 'Access to Quota' (14 -15 April 2016, Edinburgh):

Category 1: Sufficient quota is available at Member State level.

The choke is due to the distribution of quota within the Member State, such that a region or fleet segment does not have enough quota.

This situation may be resolved by the Member State itself

- Row 22: Highlights the type of choke using the categorisation discribed above
- Row 22: Indicates for each Member State whether this stock is mainly caught as a target species, as a by-catch species, or both
- Row 22-25: List the proportion of the species under consideration in the discards for the main **PART 3:** Solutions for choke problem

This part of the tool is meant to identify which mitigation tools are appropriate for each stock/fishery and how and to what extent the available tools can reduce the deficit between catch and quota. At the end of this section (Row 53), an estimatation is required of how much of the choke problem is left after implementation of the mitigation options.

Please indicate, by country, if the action would be useful ("Y", "N" or unknown "?"). Use "SBL" if the exemption is applicable if the stock is not within safe biological limits

Use the M to P columns for further clarification:

M: Economic impact

Please indicate whether the application of the mitigation action would have an economic consequences that may impede the effectiveness of the tool

N: Reason for using the action

Please specify why the mitigation action may be relevant and has the potential for successful implementation.

O: Reason for not using the action

Please specify why the action may be not be relevant and as a result has little potential for successful implementation. This discription may include the potential "knock-on" effect of a tool on other stocks and between fisheries.

D. Daananaihilit.

Version 10

Definitions of the mitigation actions

A. Avoidance actions:

- Closures of specific areas or depth ranges can be spatial, temporal (e.g. closure of spawning, nursery areas) or only restricted to certain gears.
- Real-time catch information (real-time closures) to avoid certain hotspot areas of unwanted catch.
- Voluntary areas differ from the previous as the 'hotspot' area would still be open for vessels on the condition that they use more selective gear. It is the skipper's responsibility to decide whether the risk of entering such area is worthwhile.

B. Selectivity actions:

Specific measures can be adopted by some fleets and there may be continuous scope for further improvements.

Selectivity devices are divided into two different categories: size and species selectivity measures. The former can be achieved by increasing the codend mesh size and/or installing escape panels. The latter refers to sorting devices, and trawl modifications. Knowledge of species specific behavioural responses can be used to increase gear selectivity for certain species, like the use of electric pulses or magnets.

C. Quota:

TACs and quota setting measures that could contribute to the alleviation of choke situations:

1. Quota swaps and transfers. These can play a role in dealing with choke situations, depending on

D. Exemptions:

- 1. High survivability exemptions. These are a possible solution, providing scientific evidence can support the exemption.
- 2. De minimis exemptions. These are relevant where discards are minor and there is proof that further selectivity is not possible to achieve or there are disproportionate costs associated with the

	2016	Cod NS	(COD	/2A3AX4
--	------	---------------	------	----------------

n TAC for 2016 (t)									Sweden			
AC 101 2010 (t)		27930										
n TAC + uplift 0,0%		27930										
										Vandamme, Sara:	duine	
· · · · · · · · · · · · · · · · · · ·	uota share 2016 (%)		3,56	20,45	4,40	12,97	11,56	46,93	0,14		dvice area 7.e-k ices.dk/sites/pub/Public	ation%20Reports/Advi
ential	nitial quota 2016 (t)		994	5713	1228	3622	3228	13107	38	ce/2015/201		acion 7020 Reports/ Advi
	banking and borrowing)		1201	6913	1486	2362	1549	15859	46	/cod-7e-k.pd		
Special conditions			1201	0313	2100	2502	13 13	13033	382			
										catch options		scard rates in the
	ed landings 2016 (t)		1102,73	9271,69	395,49	2091	1330	16889	370,15	recent past.	d because of variable di	scard rates in the
•	ed discards 2016 (t) card rates 2016 (%)		233 17%	477,6 5%	68,55 15%	68 3%	62 4%	8089 32%	15,88 4%			
	Total catch 2016 (%)	40464	1336	9749	464	2159	1392	24978	386		.8 Cod in Divisions VIIe-	
										by fleet in 20	114 as estimated by ICE	S:
t swaps 2016	Landing STEC	F / Initial quota	1,11	1,62	0,32	0,58	0,41	1,29	9,74	64 % : otter	trawl	
	Landing STEC	F / Final quota	0,92	1,34	0,27	0,89	0,86	1,06	8,05	17% : beam		
		/ Initial quota share	1,34	1,71	0,38	0,60	0,43	1,91	10,16	16%: seine		
		F / Final quota	1,11	1,41	0,31	0,91	0,90	1,58	8,39	0%: gillnets		
		rplus/Deficit by Member State	1,11	1,41	0,31	0,91	0,90	1,58	8,39	2%: other		
vo Category 2 (Pagional) or 2 (Piel		rplus/Deficit by Member State (t)	-135	-2836	1022	203	157	-9119	42			
ce Category 2 (Regional) or 3 (Biolocate:	gicai):		+	+	U	-	-	+				
- Mainly target, by-catch fisher	ies or both	2	В	T/B	В	Т/В	В	T/B	В			
- Main sources of unwanted				•		•						
Mitigation actions:										Would this action have an economic impact	Reason for using the action	Reason for not using the action
		e measure beyond existing measures that may	"Y" for yes, "N" for no, "	?" if unknown								
	redu	ce the unwanted catch of a species									Experience with the cod recovery	
	Closed/Restrice	ed Areas	Υ	Y	Y	Υ	Y	Y	Υ		plan/emergency closure (not carried out in a	
Avoidance		ures (for juveniles and/or spawning	Υ	Y	Υ	Υ	Y	Y	Υ		Experience with the cod recovery plan	
	aggregations) Voluntary avoid	dance actions	Υ	Y	Y	Υ	Y	Y	Υ			
	Measures above	regulatory requirements that may reduce the						·				
		unwanted catch of a species	"Y" for yes, "N" for no, "	?" if unknown		I	1				T	
	Size selectivity	- Increasing codend mesh size - Escape panels	N N	N N	N N	N N	N N	N N	na (Y) na (Y)	n the nephrops fisheries cod is a valuable bycatch	<u> </u> n	
	Species Selecti	vity - Sorting devices	Y	Y	N	Y	Y	Y	na (Y)	, ,		
Selectivity		- Trawl modifications e.g.	V	V	V	V	v	v	V	dor light cound articulated (comi)rigid grid. Pos	More trials are needed, not for the short terr	
	footrope	cutaway trawls, raised	T	Υ	T	T	T	Ť	T	nder, light, sound, articulated (semi-)rigid grid. Bes	whole thats are needed, not for the short tern	
		- Behavioural response	Υ	Υ	Υ	Υ	Υ	Υ	Υ			
			"Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "SB	L" for stocks outside S	Safe Biological Limits						
	Swapping Interespector Flo		Υ	Υ	Υ	Y	Υ	Υ	Υ			
Quota	Interspecies Flee Others Quota	EXIDIIILY	N	N N	N	N N	N Y	N N	N N			
	Remove TAC		N	N	N	N	N	N	N			Interregional flexibility (between stocks) is being
	Merge TAC reg	ions	N	N	N N	N N	N N	N N	N			discussed
	Indicate h	ow much relief exemptions will provide:	"Y" for yes, "N" for no, "	?", "0" (0-TAC) or "Little	e" (Discard Rate >> DN	M) or "sufficient" (Discar	rd Rate < DM)					
	High survival		N	N	N	N	N	N	N	There	e is a survivability exemption in certain coastal	isheries
	de minimis (ba	sed on single TAC)	Υ	Y	Y	Y	Y	Y	Υ			We should be seeful that a larger to the
Exemptions	de minimis (ba	sed on combined TACs)	Υ	Y	Y	Υ	Y	Y	Υ			We should be careful that a de minimis doesn't de-incentivise increasing selectivity
		1										
			There are some poss				very important for son	e MS (Belgium, UK),				
	General conclusions:			which makes it imr	ortant that this wi	ll stav as flexibile as n	ossible in the future.					
	General conclusions:			which makes it imp	oortant that this wi	ll stay as flexibile as p	ossible in the future.					

* Responsibility for this action:

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

2016 COD SK (COD/03AN)

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
TAC for 2016 (t)	4651										
TAC for 2016 (t) TAC + uplift 0,0%	4651										
Initial gueta chara 2016 (0.26	92.60	0.00	2.00	0.53			Vandamme, Sara:		
Initial quota share 2016 (Initial quota 2016		0,26 12	82,69 3846	0,00	2,06 96	0,52 24	0,00	14,47 673	ICES 2015 advice are		a a uha (A ah i
al ammendments		12	3010		30	2.		-15	ce/2015/2015	ites/pub/Publication%20Rep	ports/Advi
Final quota 2016 (After banking a	nd	15	3846	0	102	24	0	814	/cod-7e-k.pdf		
Special condition	ns										
Reported landings 2016	(+)	0	3070,11	_	95	22	_	643,65	catch options:	f :- - - d:d+ :	us, tilo s
Reported discards 2016		-	1050,93	-	15	2,33	-	267,47	recent past.	se of variable discard rates i	n the
Discard rates 2016 (#VALUE!	26%	#VALUE!	14%	9%	#VALUE!	29%	Tecent past.		
Total catch 2016	(t) #VALUE!	#VALUE!	4121	#VALUE!	110	25	#VALUE!	911	Table 5.3.10.8 Cod in	n Divisions VIIe–k. Catch dis	tribution
wans 2015	Landing STECE / Initial quota	0.00	0.90	#\/^!!!E!	0.00	0.02	#\/^	0.06	by fleet in 2014 as es	stimated by ICES:	
swaps 2015	Landing STECF / Initial quota Landing STECF / Final quota	0,00	0,80	#VALUE!	0,99	0,92	#VALUE!	0,96 0,79	64 0/2 1 ottor travel		
	Catches STECF / Initial quota share	#VALUE!	1,07	#VALUE!	1,15	1,04	#VALUE!	1,35	64 % : otter trawl 17% : beam trawl		
	Catches STECF / Final quota	#VALUE!	1,07	#VALUE!	1,13	1,04	#VALUE!	1,12	16%: seine		
	Estimated Surplus/Deficit by Member State	#VALUE!	1,07	#VALUE!	1,08	1,04	#VALUE!	1,12	0% : gillnets		
	Estimated Surplus/Deficit by Member State (t)	#VALUE!	-275	#VALUE!	-8	-1	#VALUE!	-97	2%: other		
Category 2 (Regional) or 3 (Biological)?											
	2										
- Mainly target, by-catch fisheries or both		X	T/B	X	В	Т/В	X	T/B			
- Main sources of unwanted catches											
Mitigation actions:									Would this action have an economic impact	Reason for using the action R	eason for not using the ac
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning	na na	N Y	na na	N Y	N Y	na na	N Y			
Attordance	aggregations) Voluntary avoidance actions	na	Y	na	Y	Y	na	Y			
	Massures above regulatory requirements that may reduce the										
	unwanted eaten of a species	"Y" for yes, "N" for no, "?'	' if unknown								
	Size selectivity - Increasing codend mesh size - Escape panels	na na	N Y	na na	N N	N N	na na	N Y			
	Species Selectivity - Sorting devices	na	Υ	na	N	N	na	Υ			
Selectivity	- Trawl modifications e.g.	22	V	na	v	v	na	V		Only on the long term (see NS cod)	
	cutaway trawls, raised footrope	na	ı	na	T	T	na	I		Only on the long term (see NS cod)	
	- Behavioural response	na	Υ	na	Υ	Υ	na	Υ			
		"Y" for yes, "N" for no, "?'	', "0" for 0-TAC, No "SB		afe Biological Limits						
	Swapping Interspecies Flexibility	na na	Y Y	na na	N Y	Y	na na	Υ Υ			Possible, but unlikely for some MS
	Others Quota	na	N	na	N	N	na	N			,
Quota	Remove TAC	na	N N	na na	N N	N N	na na	N N			
Quota		na '	IV	IId	N	į įV	IIa	IN			
Quota	Merge TAC regions	na									
Quota	Merge TAC regions Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "?	", "0" (0-TAC) or "Littl	e" (Discard Rate >> DM	ባ) or "sufficient" (Disca	rd Rate < DM)	-				
Quota	Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "?	", "0" (0-TAC) or "Littl N Y	na	n) or "sufficient" (Disca	rd Rate < DM) N Y	na na	N Y	th	here is a survivability exemption in the coastal fisheries	
	Merge TAC regions Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "? na na	", "0" (0-TAC) or "Littl N Y	na na	n) or "sufficient" (Disca N Y	rd Rate < DM) N Y	na	N Y	th	here is a survivability exemption in the coastal fisheries	
Quota Exemptions	Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "?	", "0" (0-TAC) or "Littl N Y Y	na	n) or "sufficient" (Disca N Y Y	rd Rate < DM) N Y Y	+	N Y Y	th	here is a survivability exemption in the coastal fisheries	
	Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "? na na	", "0" (0-TAC) or "Littl N Y Y	na na	n N Y Y	rd Rate < DM) N Y Y	na	N Y Y	th	here is a survivability exemption in the coastal fisheries	
	Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "? na na	", "0" (0-TAC) or "Littl N Y Y	na na	N Y Y	rd Rate < DM) N Y Y	na	N Y Y	th	here is a survivability exemption in the coastal fisheries	
Exemptions	Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? na na na Similar situation as	N Y Y	na na na dance, selectivity an	N Y Y	N Y Y	na na IS, for Netherlands	N Y Y	th	here is a survivability exemption in the coastal fisheries	
	Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? na na na Similar situation as	N Y Y in the NS with avoid uently a closure of	na na na dance, selectivity an the fisheries is likely	N Y Y d de minimis as poss	N Y Y Sible solutions. Fewer M Denmark and Sweden,	na na IS, for Netherlands	N Y Y	th	here is a survivability exemption in the coastal fisheries	
Exemptions	Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? na na na Similar situation as	N Y Y in the NS with avoid uently a closure of	na na na dance, selectivity an the fisheries is likely	N Y Y	N Y Y Sible solutions. Fewer M Denmark and Sweden,	na na IS, for Netherlands	N Y	th	here is a survivability exemption in the coastal fisheries	

^{*} Responsibility for this action:

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

2016 COD SK (COD/03AS) **Member States** Belgium Denmark The Netherlands UK Sweden France Germany Union TAC for 2016 (t) 370 Union TAC + full uplift 20.24% (ICES discard rate 2015) **370** baseline Initial quota share 2016 (%) 0,00 0,00 0,00 0,00 1,35 0,00 37,03 137 Initial quota 2016 (t) 0 0 potential ammendments ICES 2015 advice area 7.e-k 247 Final quota 2016 (After banking and 0 http://www.ices.dk/sites/pub/Publication%20Reports/Advice Special conditions /2015/2015 /cod-7e-k.pdf STECF data Reported landings 2016 (t) 113,3 Reported discards 2016 (t) 36,3 catch options: Discard rates 2016 (%) #DIV/0! #VALUE! **#VALUE! #VALUE! #VALUE! #VALUE!** 24% Not quantified because of variable discard rates in the Total catch 2016 (t) **#VALUE!** #VALUE! #VALUE! **#VALUE!** 150 #VALUE! recent past. effect swaps 2015 Landing STECF / Initial quota **#VALUE! #VALUE!** #VALUE! 0,00 #DIV/0! **#VALUE!** 0,83 Table 5.3.10.8 Cod in Divisions VIIe-k. Catch distribution by 0,00 0,46 Landing STECF / Final quota **#VALUE!** #VALUE! #VALUE! #DIV/0! **#VALUE!** fleet in 2014 as estimated by ICES: 0,00 1,09 **#VALUE! #VALUE! #VALUE!** #DIV/0! **#VALUE!** Catches STECF / Initial quota share 0,00 #DIV/0! 0,61 Catches STECF / Final quota **#VALUE! #VALUE!** #VALUE! **#VALUE!** 64 % : otter trawl 17% : beam trawl **Estimated Surplus/Deficit by Member State #VALUE! #VALUE! #VALUE!** 0,00 #DIV/0! **#VALUE!** 0,61 16%: seine **#VALUE! #VALUE! #VALUE!** 97 Estimated Surplus/Deficit by Member State (t) **#VALUE!** 0 0%: gillnets Choke Category 2 (Regional) or 3 (Biological)? 2%: other Indicate: - Mainly target, by-catch fisheries or both T/B T/B T/B - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for not using the action Reason for using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Closed/Restriced Areas Ν na na Real Time Closures (for juveniles and/or spawning **Avoidance** na na aggregations) Voluntary avoidance actions na na na Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size na Ν na na - Escape panels N na na **Species Selectivity - Sorting devices** na na na Selectivity - Trawl modifications e.g. na Only on the long term (see NS cod) na cutaway trawls, raised footrope - Behavioural response na na na "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping na na **Interspecies Flexibility** Υ Υ Possible, but unlikely for some MS na na Quota Others Quota na Ν na **Remove TAC** Ν na na na Merge TAC regions na "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: **High survival** Ν there is a survivability exemption in the coastal fisheries na de minimis (based on single TAC) na na na **Exemptions** na na

General conclusions:	Similar situation as in the NS with avoidance, selectivity and de minimis as possible solutions. Fewer MS, for Netherlands avoidance and consequently a closure of the fisheries is likely. Possible choke for Denmark and Sweden, seems like the TAC is not following the abbundance of the stock	
Estimated reduction of the choke problem after "Other" mitigation actions:	200% increase in TAC?	

^{*} Responsibility for this action:

Individual vessels Producer Organisation (PO) Member States: avoid chokes Regional Member States **European Commission Council of Ministers** Co-decision

de minimis (based on combined TACs)

		Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden				
on TAC to 2016 (t)		12610	_										
nion TAC + 0,0%		12610											
seline	Initial quota share 2016 (%)		2,14	9,25	13,91	2,41	5,35	66,92	0,02	Vandamme, Sara: ICES 2015 ad	vice area 7.e-k		
	Initial quota 2016 (t)		270	1167	1754	304	675	8438	2		ces.dk/sites/pub/Publica	tion%20Reports/Advi	
otential ammendments									0	ce/2015/2015			
Fi	nal quota 2016 (After banking and		64	1167	1754	112	601	8438	2	/cod-7e-k.pdf			
	Special conditions								190				
										catch options:			
TECF data	Reported landings 2016 (t)		65,1	4839,21	3975,43	71	696,602	9470	5,62		l because of variable dis	scard rates in the	
	Reported discards 2016 (t)		679	701,22	2215,56	129	696,91	5920	1,55	recent past.			
	Discard rates 2016 (%)		91%	13%	36%	65%	50%	38%	22%	Table F 2 10 9	Cod in Divisions VIIa	k Catch distribution	
	Total catch 2016 (t)	29466	744	5540	6191	200	1394	15390	/		3 Cod in Divisions VIIe— 14 as estimated by ICES		
fect swans 2016		Landing STECF / Initial quota	0.24	A 1E	2 27	0.22	1 02	1 1 2	າ 01]	r as estimated by ICES	•	
fect swaps 2016			0,24	4,15	2,27	0,23	1,03	1,12	2,81	64 % : otter t	rawl		
		Landing STECF / Final quota	1,01	4,15	2,27	0,63	1,16	1,12	2,32	17% : beam t			
		Catches STECF / Initial quota share	2,76	4,75	3,53	0,66	2,06	1,82	3,59	16%: seine			
		Catches STECF / Final quota	11,55	4,75	3,53	1,79	2,32	1,82	2,96	0% : gillnets			
		Estimated Surplus/Deficit by Member State	11,55	4,75	3,53	1,79	2,32	1,82	2,96	2%: other			
		Estimated Surplus/Deficit by Member State (t)	-680	-4373	-4437	-88	-793	-6952	-5	<u> </u>			
noke Category 2 (Regional)	or 3 (Biological)?												
dicate:		2											
	-catch fisheries or both	<u> </u>				В				_			
- Main sources	of unwanted catches												
Mitigat	ion actions:									Would this action have an	December weign the action	Reason for not using the action	
										economic impact	neuson for using the uction		
		Enter avoidance measure beyond existing measures that may	"Y" for ves. "N" for no. "?	?" if unknown						economic impact	neuson for using the detion		
		reduce the unwanted catch of a species	"Y" for yes, "N" for no, "?	?" if unknown						economic impact	neuson for using the detion		
		reduce the unwanted catch of a species Closed/Restriced Areas	"Y" for yes, "N" for no, "?	?" if unknown						economic impact			
		Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning	"Y" for yes, "N" for no, "?	?" if unknown						economic impact			
	idance	reduce the unwanted catch of a species Closed/Restriced Areas	"Y" for yes, "N" for no, "?	?" if unknown						economic impact			
	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions								economic impact			
	idance	reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species	"Y" for yes, "N" for no, "?							economic impact			
	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size								economic impact			
	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels								economic impact			
Avo	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices								economic impact			
Avo	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels								economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope								economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised								economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response		?" if unknown	L" for stocks outside S	Safe Biological Limits				economic impact			
Avo	idance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no, "?	?" if unknown	L" for stocks outside S	Safe Biological Limits				economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no, "?	?" if unknown	L" for stocks outside S	Safe Biological Limits				economic impact			
Avo	ectivity	reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC	"Y" for yes, "N" for no, "?	?" if unknown	L" for stocks outside S	Safe Biological Limits				economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota	"Y" for yes, "N" for no, "?	?" if unknown	L" for stocks outside S	Safe Biological Limits				economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	"Y" for yes, "N" for no, "?	?" if unknown P", "0" for 0-TAC, No "SB						economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "?	?" if unknown P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Avo	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)			economic impact			
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on combined TACs)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)						
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on combined TACs)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)						
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on combined TACs)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)						
Sele	ectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on combined TACs)	"Y" for yes, "N" for no, "?	P", "0" for 0-TAC, No "SB			ard Rate < DM)						

^{*} Responsibility for this action :

Individual vessels Producer Organisation (PO) Member States: avoid chokes Regional Member States **European Commission** Council of Ministers Co-decision

090166e5bbd66403.5952048859639638637.xlsx Whiting NS

2016 Whiting SK (WHG/03A) **Member States** Belgium Sweden Denmark France Germany The Netherlands UK Union TAC for 2016 (t) 1031 1031 Union TAC + 0,0% Initial quota share 2016 (%) baseline 0,00 0,00 0,00 9,60 90,11 0,00 0,00 Initial quota 2016 (t) 929 0 99 0 0 potential ammendments Final quota 2016 (After banking and 929 99 Special conditions STECF data Reported landings 2016 (t) 222,85 2,232 62,2 Reported discards 2016 (t) 605,2 3,76 251,6 Discard rates 2016 (%) 73% 63% 80% #VALUE! 67% #VALUE! #VALUE! Total catch 2016 (t) **#VALUE!** 828 #VALUE! #VALUE! 314 #VALUE! 0,24 #DIV/0! **#VALUE! #VALUE!** #DIV/0! **#VALUE!** 0,63 effect swaps 2016 Landing STECF / Initial quota #VALUE! 0,24 1,00 0,74 0,63 #VALUE! #VALUE! Landing STECF / Final quota 0,89 **#VALUE!** #DIV/0! #DIV/0! 3,17 Catches STECF / Initial quota share #VALUE! #VALUE! Catches STECF / Final quota 0,89 #VALUE! 3,00 2,00 3,17 #VALUE! #VALUE! **Estimated Surplus/Deficit by Member State #VALUE!** 0,89 **#VALUE!** 3,00 2,00 **#VALUE!** 3,17 Estimated Surplus/Deficit by Member State (t) **#VALUE!** 101 **#VALUE! #VALUE!** -215 -3 Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for using the action Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota Remove TAC Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival

General conclusions:				
Estimated reduction of the choke problem after "Other" mitigation actions:	200% increase in TAC?			

^{*} Responsibility for this action:

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Exemptions

de minimis (based on single TAC)

de minimis (based on combined TACs)

2016 Area IIa and IV - Hake **Member States** Belgium The Netherlands Denmark Sweden France Germany Union TAC for 2016 (t) 3492 3492 Union TAC + 0,0% uplift baseline Initial quota share 2016 (%) 1,43 57,79 12,80 6,64 3,32 18,01 0,00 232 Initial quota 2016 (t) 50 2018 447 629 0 116 initial 451 t OTH/04potential ammendments N. quota LILIAI ANORA SOTO (ALLEL DALIKILIR ALIA 2018 65 447 471 64 761 ICES 2015 advice area 7.e-k final 779 t OTH/04-N. http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2 Special conditions quota 015/2015 /cod-7e-k.pdf STECF data 58,94 802 7224 30,84 Reported landings 2016 (t) 5444,33 2142,5 52,381 catch options: Reported discards 2016 (t) 103,63 45,56 17,47 4103 0,43 13 Not quantified because of variable discard rates in the recent Discard rates 2016 (%) 2% 25% 36% 12% 2% 2% 1% 20046 Total catch 2016 (t) 5548 2188 815 11327 31 70 67 Table 5.3.10.8 Cod in Divisions VIIe-k. Catch distribution by Landing STECF / Initial quota 2,70 4,79 3,46 0,45 #DIV/0! effect swaps 2016 1,18 11,48 fleet in 2014 as estimated by ICES: Landing STECF / Final quota 0,91 2,70 4,79 1,70 0,82 9,49 #DIV/0! 2,75 4,89 3,51 Catches STECF / Initial quota share 1,34 0,60 18,01 #DIV/0! 64 % : otter trawl 17%: beam trawl Catches STECF / Final quota 2,75 4,89 1,73 1,09 14,88 #DIV/0! 1,04 16%: seine **Estimated Surplus/Deficit by Member State** 1,04 2,75 4,89 1,73 1,09 14,88 #DIV/0! 0%: gillnets Estimated Surplus/Deficit by Member State (t) -3530 -1741 -344 -10566 -31 2%: other Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for using the action Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may reduce "Y" for yes, "N" for no, "?" if unknown the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota Remove TAC Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:** Estimated reduction of the choke problem after "Other" mitigation actions: 200% increase in TAC?

^{*} Responsibility for this action :

2016 HAKE (HKE/571214)

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	UK	
AC for 2016 (t)	2997								
	2997								
Initial quota share 2016		0,00	92,16	0,00	0,00	0,00	0,00	7,84	
Initial quota 2015 mmendments	6(t)	0	2762	0	0	0	0	235	
Final quota 2016 (After banking	and	0	2762	0	24	4	0	235	
Special condit	ons				only use of special condition HKE/*03A. part of HKE/2AC4-C quota				ICES 2015 advice area 7.e-k http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2015/2015
									/cod-7e-k.pdf
Reported landings 201		0	623,97	-	5	3,637	-	49,3	catch antioner
Reported discards 2016		#DIV/01	98,7	#\/^	0	0,15	#\/\\\\	14,3	catch options: Not quantified because of variable discard rates in the
Discard rates 2016 Total catch 201		#DIV/0! 0	14% 723	#VALUE!	0% 5	10% 2	#VALUE!	22% 64	recent past.
					- 1				Table F 2 10 9 Cod in Divisions VIII and Catala distributions
aps 2016	Landing STECF / Initial quota	#DIV/0!	0,23	#VALUE!	#DIV/0!	#DIV/0!	#VALUE!	0,21	Table 5.3.10.8 Cod in Divisions VIIe—k. Catch distribution by fleet in 2014 as estimated by ICES:
	Landing STECF / Final quota Catches STECF / Initial quota share	#DIV/0!	0,23	#VALUE!	0,21 #DIV/0!	0,91 #DIV/0!	#VALUE!	0,21 0,27	
	Catches STECF / Initial quota snare Catches STECF / Final quota	#DIV/0! #DIV/0!	0,26 0,26	#VALUE!	#DIV/0! 0,21	#اراران 0,38	#VALUE!	0,27	64 %: otter trawl
	Estimated Surplus/Deficit by Member State	#DIV/0!	0,26	#VALUE!	0,21	0,38	#VALUE!	0,27	17%: beam trawl 16%: seine
	Estimated Surplus/Deficit by Member State (t)		2039	#VALUE!	19	3	#VALUE!	171	0%: gillnets
gory 2 (Regional) or 3 (Biological)? Mainly target, by-catch fisheries or both - Main sources of unwanted catches	2								2%: other
Mitigation actions:									Would this action have an economic impact Reason for using the action Reason for not us
Mitigation actions: Avoidance	Enter avoidance measure beyond existing measures that may reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions	"Y" for yes, "N" for no,	"?" if unknown						I Reason for using the action I Reason for not us
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the								I Reason for using the action I Reason for not us
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations)								I Reason for using the action I Reason for not us
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels								I Reason for using the action I Reason for not us
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised								I Reason for using the action I Reason for not us
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g.								I Reason for using the action I Reason for not us
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no,	"?" if unknown	SBL" for stocks outsid	e Safe Biological Limits				I Reason for using the action I Reason for not us
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no,		SBL" for stocks outsid	e Safe Biological Limits				I Reason for using the action I Reason for not us
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota	"Y" for yes, "N" for no,	"?" if unknown	SBL" for stocks outsid	e Safe Biological Limits				I Reason for using the action I Reason for not us
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility	"Y" for yes, "N" for no,	"?" if unknown	SBL" for stocks outsid	e Safe Biological Limits				I Reason for using the action I Reason for not us
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	"Y" for yes, "N" for no,	"?", "0" for 0-TAC, No "S		e Safe Biological Limits DM) or "sufficient" (Disci	ard Rate < DM)			I Reason for using the action I Reason for not us
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	"Y" for yes, "N" for no,	"?", "0" for 0-TAC, No "S			ard Rate < DM)			I Reason for using the action I Reason for not us
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no,	"?", "0" for 0-TAC, No "S			ard Rate < DM)			I Reason for using the action I Reason for not us
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no,	"?", "0" for 0-TAC, No "S			ard Rate < DM)			I Reason for using the action I Reason for not us
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no,	"?", "0" for 0-TAC, No "S			ard Rate < DM)			I Reason for using the action I Reason for not us

* Responsibility for this action:

2016 Ling NS Member States Belgium The Netherlands Denmark France Germany UK Sweden Union TAC for 2016 (t) 2912 Union TAC + full uplift 0% 2912 baseline Initial quota share 2016 (%) 0,65 9,99 5,56 76,99 6,18 0,21 0,41 291 162 2242 12 Initial quota 2016 (t) 19 180 potential ammendments initial 23 t LIN/04-N. Final quota 2016 (After banking and 291 2713 162 43 12 14 final 55 t LIN/04-N. Special conditions /2015/2015 /cod-7e-k.pdf STECF data Reported landings 2016 (t) 13,84 1351,84 309,23 95 0,057 2705 11,39 Reported discards 2016 (t) 5,14 0,69 8,69 1372 0,06 catch options: Discard rates 2016 (%) 34% 27% 0% 0% 0% 3% 0% 11 Total catch 2016 (t) 5873 1353 318 4077 19 95 0 recent past.

Landing STECF / Initial quota 0,73 4,65 1,91 0,53 0,01 1,21 0,95 effect swaps 2016 1,91 2,21 0,10 1,00 0,97 4,65 0,95 Landing STECF / Final quota 4,65 1,96 0,53 1,82 0,95 1,00 0,01 Catches STECF / Initial quota share 4,65 1,96 1,32 2,21 0,10 1,50 0,95 Catches STECF / Final quota **Estimated Surplus/Deficit by Member State** 4,65 1,96 1,32 2,21 0,10 1,50 0,95 -156 Estimated Surplus/Deficit by Member State (t) -1062 -1364 -52 Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Mitigation actions:

ICES 2015 advice area 7.e-k
http://www.ices.dk/sites/pub/Publication%20Reports/Advice
/2015/2015
/cod-7e-k.pdf

Not quantified because of variable discard rates in the recent past.

Table 5.3.10.8 Cod in Divisions VIIe—k. Catch distribution by fleet in 2014 as estimated by ICES:

Reason for using the action

Reason for not using the action

Responsibility*

64 %: otter trawl 17%: beam trawl 16%: seine 0%: gillnets 2%: other

Would this action have an

economic impact

		Cconomic impact	
	Enter avoidance measure beyond existing measures that may reduce the unwanted catch of a species "Y" for yes, "N" for no, "?" if unknown		
	Closed/Restriced Areas		
Avoidance	Real Time Closures (for juveniles and/or spawning		
Avoidance	aggregations)		
	Voluntary avoidance actions		
	Measures above regulatory requirements that may reduce the unwanted catch of a species "Y" for yes, "N" for no, "?" if unknown		
	Size selectivity - Increasing codend mesh size		
	- Escape panels		
	Species Selectivity - Sorting devices		
Selectivity	- Trawl modifications e.g.		
	cutaway trawls, raised footrope		
	- Behavioural response		
	"Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits		
	Swapping		
	Interspecies Flexibility		
Quota	Others Quota		
	Remove TAC		
	Merge TAC regions		
	Indicate how much relief exemptions will provide: "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM)		
	High survival		
	de minimis (based on single TAC)		
			1

General conclusions:		
Estimated reduction of the choke problem after "Other" mitigation actions:	200% increase in TAC?	

^{*} Responsibility for this action:

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Exemptions

de minimis (based on combined TACs)

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
nion TAC for 2016 (t)	87										
nion TAC + full uplift	87									mme, Sara:	
nseline Initial quota share 2016 (%		0,00	0,00	0,00	0,00	0,00	0,00	0,00		S 2015 advice area 7.e-k	
Initial quota 311are 2016 (6	0,00	0,00	6	0,00	2242	19		p://www.ices.ak/sites/put 15/2015	b/Publication%20Reports/Adv
tential ammendments										d-7e-k.pdf	
Final quota 2016 (After banking an		0	0	0	2	0	2713	23		υ · · · · · · · · · · · · · · · · · · ·	
Special condition										ch options:	
ECF data Reported landings 2016 (-1	0	0	0	1	0	438,22	17,1		-	ariable discard rates in the
Reported discards 2016 (5,14	0	0	0,01	0	3,57	2,7	rec	ent past.	
Discard rates 2016 (%		100%	#DIV/0!	#DIV/0!	1%	#DIV/0!	1%	14%	Tal	ole 5.3.10.8 Cod in Divisio	ns VIIe–k. Catch distribution
Total catch 2016 (468	5	0	0	1	0	442	20		et in 2014 as estimated by	
			45 N 4 / 0 l	WD W // 01	0.17	WD 11 / 10 l					
ect swaps 2016	Landing STECF / Initial quota	0,00 #DIV/OI	#DIV/0!	#DIV/0!	0,17	#DIV/0!	0,20	0,90		% : otter trawl	
	Landing STECF / Final quota	#DIV/0! 0,86	#DIV/0!	#DIV/0! #DIV/0!	0,50 0,17	#DIV/0!	0,16	0,74		%: beam trawl	
	Catches STECF / Initial quota share Catches STECF / Final quota	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	0,17	#DIV/0! #DIV/0!	0,20	1,04 0,86		%: seine o : gillnets	
	Estimated Surplus/Deficit by Member State	#DIV/0!	#DIV/0!	#DIV/0!	0,51	#DIV/0!	0,16	0,86		o: other	
	Estimated Surplus/Deficit by Member State (t)	-5	0	0	1	0	2271	3			
oke Category 2 (Regional) or 3 (Biological)?	, , , , , , , , , , , , , , , , , , , ,										
licate:	2										
- Mainly target, by-catch fisheries or both	2										
- Main sources of unwanted catches											
Mitigation actions:								,	Would this action have an	Reason for using the action	Reason for not using the action
iviitigation actions.									economic impact	Reason for using the action	Reason for not using the action
	Enter avoidance measure beyond existing measures that may	IIIsali e IIsali e IIs	W. C								
	reduce the unwanted catch of a species	"Y" for yes, "N" for no, "?	" if unknown								
	Closed/Restriced Areas										
Avoidance	Real Time Closures (for juveniles and/or spawning aggregations)										
	Voluntary avoidance actions										
	Measures above regulatory requirements that may reduce the	USALL C. USALL C. US	W · C								
	unwanted catch of a species	"Y" for yes, "N" for no, "?	" if unknown								
	Size selectivity - Increasing codend mesh size - Escape panels										
	Species Selectivity - Sorting devices										
Selectivity	- Trawl modifications e.g.										
	cutaway trawls, raised footrope										
	- Behavioural response										
		"Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SBL'	" for stocks outside Safe	e Biological Limits						
	Swapping Interspecies Flexibility										
Quota	Others Quota										
	Remove TAC										
	Merge TAC regions										
	Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "	?", "0" (0-TAC) or "Little'	" (Discard Rate >> DM)	or "sufficient" (Discard I	Rate < DM)					
	High survival										
	de minimis (based on single TAC)										
Exemptions	de minimis (based on combined TACs)										
General conclusion	s:										
(3000F2177NF11KINA											
General conclusion											
General Conclusion		200% increase in									

* Responsibility for this action:

2016 PLAICE NS (PLE/2A3AX4) **Member States** Belgium The Netherlands Sweden Denmark France Germany UK Union TAC for 2016 (t) 119390 Union TAC + uplift 2,6% 122494 baseline Initial quota share 2016 (%) 29,20 6,31 1,18 5,92 39,46 0,00 20,52 7067 34864 Initial quota 2016 (t) 7538 24499 1414 47112 potential ammendments ICES 2015 advice area 7.e-k 8742 62767 Final quota 2016 (After banking and 25136 1451 7855 35770 http://www.ices.dk/sites/pub/Publication%20Reports/Advic Special conditions e/2015/2015 /cod-7e-k.pdf STECF data Reported landings 2016 (t) 6671,57 18848,45 173,81 4215 31854,508 18807 9,14 Reported discards 2016 (t) 4534,81 1615,11 182,44 5633 28409 10822 0,06 catch options: Discard rates 2016 (%) 47% 57% 37% 51% 1% Not quantified because of variable discard rates in the Total catch 2016 (t) 131776 9848 60264 29629 20464 356 recent past. effect swaps 2016 Landing STECF / Initial quota 0,89 0,77 0,12 0,60 0,68 0,54 #DIV/0! Table 5.3.10.8 Cod in Divisions VIIe-k. Catch distribution by 0,76 0,75 0,54 0,53 #DIV/0! 0,12 0,51 Landing STECF / Final quota fleet in 2014 as estimated by ICES: 0,84 0,25 1,39 1,28 0,85 #DIV/0! 1,49 Catches STECF / Initial quota share 0,83 1,28 0,81 0,25 1,25 0,96 #DIV/0! Catches STECF / Final quota 64 % : otter trawl **Estimated Surplus/Deficit by Member State** 1,28 0,81 0,25 1,25 0,96 0,83 #DIV/0! 17%: beam trawl -2464 4672 1095 -1993 2503 6141 Estimated Surplus/Deficit by Member State (t) -9 16%: seine Choke Category 2 (Regional) or 3 (Biological)? 0% : gillnets Indicate: 2%: other - Mainly target, by-catch fisheries or both T/B T/B - Main sources of unwanted catches BT2 BT2 Would this action have an Mitigation actions: Responsibility* Reason for not using the action economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Plaice box is already in place, but not deemed very Closed/Restriced Areas effective. Given the good situation of the stock, new restricted areas are highly unlikely nor useful **Avoidance** Real Time Closures (for juveniles and/or spawning Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size Yes, especially in BT2, loss of sole catches - Escape panels **Species Selectivity - Sorting devices** in nephrops Selectivity - Trawl modifications e.g. lower catch of plaice in comparison with sole in cutaway trawls, raised footrope pulse fishery Only a possible solution on the long term, more - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC** Ν Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival Already in place for potts and fykes de minimis (based on single TAC) Υ Υ Υ **Exemptions** de minimis (based on combined TACs) Large number of bycatch undersized plaice in BT2. Possible lowering of the TAC in the future is a serious threat. Swapping is an important mitigation tool, should be flexible in the future. Several trials on high survivability (UK, DK, BE, NL); could solve **General conclusions:** any potential chokes if the outcomes are promising. Mixed opinions on combined de minimis. 200% increase in Estimated reduction of the choke problem after "Other" mitigation actions: TAC?

^{*} Responsibility for this action :

2016 PLAICE sk (PLE/03AN) **Member States** Belgium The Netherlands Sweden Denmark France Germany UK Union TAC for 2016 (t) 11531 11531 Union TAC + 0,0% uplift baseline Initial quota share 2016 (%) 0,00 0,00 0,41 15,28 0,00 4,26 79,45 Initial quota 2016 (t) 9161 1762 491 47 0 0 potential ammendments Final quota 2016 (After banking and 9161 1762 491 44 ICES 2015 advice area 7.e-k Special conditions http://www.ices.dk/sites/pub/Publication%20Reports/Advi ce/2015/2015 Reported landings 2016 (t) STECF data 5849,39 217,64 1482,449 217,64 14 /cod-7e-k.pdf Reported discards 2016 (t) 125,63 125,63 434,95 0,24 18,33 Discard rates 2016 (%) 37% 0% 7% 37% 2% 1% 0% catch options: Total catch 2016 (t) 8486 6284 1501 343 343 14 Not quantified because of variable discard rates in the recent past. #DIV/0! 0,30 0,84 #DIV/0! 0,64 #DIV/0! 0,44 effect swaps 2016 Landing STECF / Initial quota 0,64 0,32 #DIV/0! #DIV/0! 0,84 #DIV/0! 0,44 Landing STECF / Final quota Table 5.3.10.8 Cod in Divisions VIIe—k. Catch distribution 0,69 #DIV/0! 0,85 Catches STECF / Initial quota share #DIV/0! 0,30 #DIV/0! 0,70 by fleet in 2014 as estimated by ICES: Catches STECF / Final quota #DIV/0! 0,69 #DIV/0! 0,32 0,85 #DIV/0! 0,70 64 % : otter trawl **Estimated Surplus/Deficit by Member State** #DIV/0! 0,69 #DIV/0! 0,32 0,85 #DIV/0! 0,70 17%: beam trawl Estimated Surplus/Deficit by Member State (t) 2877 -343 **30** 261 148 16%: seine Choke Category 2 (Regional) or 3 (Biological)? 0%: gillnets Indicate: 2%: other - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Responsibility* Reason for using the action Reason for not using the action economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota Remove TAC Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:**

200% increase in

TAC?

* Responsibility for this action :

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Estimated reduction of the choke problem after "Other" mitigation actions:

2016 PLAICE KG

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
ion TAC for 2016 (t)	2347										
1011 1712 101 2010 (t)	2347										
										Vandamme, Sara: ICES 2015 advice area 7.e	-k
Initial quota share 201		0,00	0,00	0,00	0,98	0,00	0,00	20,92		http://www.ices.dk/sites/p	oub/Publication%20Reports/Adv
Initial quota 20 tential ammendments	16 (t)	0	U	0	23	U	0	491		ce/2015/2015	
Final quota 2016 (After bankin	g and	0	0	0	23	0	0	594		/cod-7e-k.pdf	
Special cond										catch options:	
										-	variable discard rates in the
ECF data Reported landings 20		0	0	0	1	0	0	121,2		recent past.	
Reported discards 20		0	0	0	0	0	0	130,4			
Discard rates 201		0%	#DIV/0!	#DIV/0!	0%	#DIV/0!	0%	52%			sions VIIe-k. Catch distribution
Total catch 20	16 (t) 253	U	U	0	1	0	U	252		by fleet in 2014 as estimated	ted by ICES:
ect swaps 2016	Landing STECF / Initial quota	#DIV/0!	#DIV/0!	#DIV/0!	0,04	#DIV/0!	#DIV/0!	0,25		64 % : otter trawl	
•	Landing STECF / Final quota	#DIV/0!	#DIV/0!	#DIV/0!	0,04	#DIV/0!	#DIV/0!	0,20		17% : beam trawl	
	Catches STECF / Initial quota share	#DIV/0!	#DIV/0!	#DIV/0!	0,04	#DIV/0!	#DIV/0!	0,51		16%: seine	
	Catches STECF / Final quota	#DIV/0!	#DIV/0!	#DIV/0!	0,04	#DIV/0!	#DIV/0!	0,42		0% : gillnets	
	Estimated Surplus/Deficit by Member State	#DIV/0!	#DIV/0!	#DIV/0!	0,04	#DIV/0!	#DIV/0!	0,42		2%: other	
	Estimated Surplus/Deficit by Member State (t)	0	0	0	22	0	0	342			
ke Category 2 (Regional) or 3 (Biological)?											
icate:	2										
- Mainly target, by-catch fisheries or both											
- Main sources of unwanted catches											
									Would this action have	an Posson for using the action	Reason for not using the action
Mitigation actions: Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning	'Y" for yes, "N" for no, "	?" if unknown						economic impact	Reason for using the action	
Mitigation actions: Avoidance	reduce the unwanted catch of a species Closed/Restriced Areas	'Y" for yes, "N" for no, "	?" if unknown						economic impact	ineason for using the action	
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions	'Y" for yes, "N" for no, "							economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g.								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised								economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response		?" if unknown	SBL" for stocks outside S	Safe Biological Limits				economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	'Y" for yes, "N" for no, "	?" if unknown	SBL" for stocks outside S	Safe Biological Limits				economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	'Y" for yes, "N" for no, "	?" if unknown	SBL" for stocks outside S	Safe Biological Limits				economic impact		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	'Y" for yes, "N" for no, "	?" if unknown	SBL" for stocks outside S	Safe Biological Limits				economic impact		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	'Y" for yes, "N" for no, "	?" if unknown	SBL" for stocks outside S	Safe Biological Limits				economic impact		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity Quota Exemptions	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		
Avoidance Selectivity Quota Exemptions	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	'Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S			ard Rate < DM)			economic impact		

^{*} Responsibility for this action:

2016 Turbot and Brill NS (T/B.2ac4-c)

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden				
ion TAC for 2016 (t)	4488											
on TAC + uplift 0,0%	4488											
eline Initial quota share 2016 (7,33	15,66	1,89	4,01	55,55	15,44	0,11				
Initial quota 2016	(t)	329	703	85	180	2493	693	5				
ential ammendments		220	702	0.5	262	2554	020	-				
Final quota 2016 (After banking a Special conditio		329	703	85	363	2551	839	5				
Special condition												
Reported landings 2016	(t)	514	541,75	38,37	266	2737,636	562	0,44				
Reported discards 2016		238,05	2,08	0,17	54	951	102	0,01				
Discard rates 2016 (32%	0%	0%	17%	26%	15%	2%				
Total catch 2016	(t) 6008	752	544	39	320	3689	664	0				
ot avvenue 201 <i>C</i>	Landing CTECE / Initial arrate	1.50	0.77	0.45	1.40	1 10	0.01	0.00	7			
t swaps 2016	Landing STECF / Initial quota	1,56	0,77	0,45	1,48	1,10	0,81	0,09				
	Landing STECF / Final quota	1,56	0,77	0,45	0,73	1,07	0,67	0,09				
	Catches STECF / Initial quota share Catches STECF / Final quota	2,29 2,29	0,77	0,45 0,45	1,78 0,88	1,48 1,45	0,96 0,79	0,09	_			
	Estimated Surplus/Deficit by Member State	· · · · · · · · · · · · · · · · · · ·	-		-		-		-			
	Estimated Surplus/Deficit by Member State Estimated Surplus/Deficit by Member State (t)	2,29 -423	0,77 159	0,45 46	0,88 43	1,45 -1137	0,79 175	0,09 5				
ke Category 2 (Regional) or 3 (Biological)?	Estimated Surplus/ Dentit by Welliber State (t)	-423	133	40	45	-113/	1/3	3	_			
category 2 (Regional) or 3 (Biological):									_			
- Mainly target, by-catch fisheries or both	2	WB	WB	WB	WB	WB	WB	WB	-			
- Main sources of unwanted catches							1112					
									Was lid this action have an			
Mitigation actions:									Would this action have an economic impact	Reason for using the action	Reason for not using the action	Respo
	reduce the unwanted catch of a species	"Y" for yes, "N" for no, "? N	?" if unknown	N	N	N	N	N				
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations)	"Y" for yes, "N" for no, "? N N	?" if unknown N N	N N	N N	N N	N N	N N				
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions	"Y" for yes, "N" for no, "? N N ?	?" if unknown N N ?			N N ?	N N ?	N N ?				
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the	"Y" for yes, "N" for no, "? N N ? "Y" for yes, "N" for no, "?	N N ?			N N ?	N N ?	N N ?				
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size	N N ?	N N ?		N ?	N N ?	N N ?	N N ?				
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels	N N ? "Y" for yes, "N" for no, "? N N	N N ?	N ? N N N	N ? N N	N N ?	N N ?	na (N)	valuable bychatch fichermen are partly depende	Lack of quotum		INI
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices	N N ?	N N ?		N ?	N N ?	N N ? N N Y in nephrops		valuable bychatch, fishermen are partly dependa	Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised	N N ? "Y" for yes, "N" for no, "? N N	N N ?	N ? N N N	N ? N N	N N ?	N N ? N N Y in nephrops N	na (N)	valuable bychatch, fishermen are partly dependa	Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi	N N ?	N ? N N N N N	N ? N N N Y in nephrops N		N N ? N N Y in nephrops N	na (N) na (Y in nephrops) na (N)		Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N N	N N ? " if unknown N N Y in nephrops N	N ? N N N N N N N N N N N N N N N N N N	N ? N N N Y in nephrops N		N N ? N N N Y in nephrops N	na (N) na (Y in nephrops)	valuable bychatch, fishermen are partly dependa in nephrops	Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N N	N N ?	N ? N N N N N N N N N N N N N N N N N N	N ? N N N Y in nephrops N		N N ? N N Y in nephrops N N	na (N) na (Y in nephrops) na (N) na (N)		Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N N	N N ? " if unknown N N Y in nephrops N	N ? N N N N N N N N N N N N N N N N N N	N ? N N N Y in nephrops N		N N ? N N N Y in nephrops N N N	na (N) na (Y in nephrops) na (N)		Lack of quotum	Economic impact	INI
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N N	N N ? " if unknown N N Y in nephrops N	N ? N N N N N Y for stocks outside S	N Pafe Biological Limits Y		N N ? N N N Y in nephrops N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y)		Lack of quotum	Economic impact	IN
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N N	N N ? " if unknown N N Y in nephrops N	N ? N N N N N Y for stocks outside S	N Pafe Biological Limits Y		N N ? N N Y in nephrops N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N)	in nephrops	Lack of quotum	Economic impact	IND
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ? " if unknown N N Y in nephrops N	N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N		N N ? N N N Y in nephrops N N N N N N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y)		Lack of quotum	Economic impact	INI
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N	N N Y N R N N	N N ? N N N Y in nephrops N N N N N N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N)	in nephrops	Lack of quotum	Economic impact	IN
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ? " if unknown N N Y in nephrops N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N	N N Y N R N N	N N N N Y in nephrops N N N N N N N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N)	in nephrops relative stability	Lack of quotum	Economic impact	IN
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N	N N Y N R N N	N N ? N N N Y in nephrops N N N N Y N P N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	in nephrops	Lack of quotum	Economic impact	IN
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N V* N	N N Y N R N N	N N N ? N N N Y in nephrops N N N N Y N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N	N N Y N R N N	N N ? N N Y in nephrops N N N Y N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	IN
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N V* N	N N Y N R N N	N N ? N N N Y in nephrops N N N Y N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N V* N	N N Y N R N N	N N N N Y in nephrops N N N N N N N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N V* N	N N Y N ? N	N N N Y in nephrops N N N N Y N N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response of fish Swapping Interspecies Flexibility Others Quota Bycatch Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	N N ? "Y" for yes, "N" for no, "? N N Y in nephrops fi N "Y" for yes, "N" for no, "? Y N	N N ?" if unknown N N Y in nephrops N N ?", "0" for 0-TAC, No "SBL" Y N N	N N N N N N N N N N N N N N N N N N N	N N N Y in nephrops N Safe Biological Limits Y N Y* N V* N	N N Y N ? N	N N N ? N N Y in nephrops N N N N N N N N N N N N N	na (N) na (Y in nephrops) na (N) na (N) na (Y) na (N) na (N) na (N) na (N)	relative stability based on outcome ongoing research	Lack of quotum	Economic impact	

^{*} Responsibility for this action:

2016 Skates and Rays NS

		Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden				
TAC for 2016 (t)		1313											
AC + uplift (0,0%	%	1313											
	Initial quota share 2016 (%)		16,83	0,69	2,67	0,84	14,32	64,66	0,00				
	Initial quota 2016 (t)		221	9	35	11	188	849	0				
ammendmen	nts Filiai quota 2010 (Alter palikilig aliu												
	harrowing		228	9	35	52	237	849	0				
	Special conditions												
ıta	Reported landings 2016 (t)		193,47	0	40,95	11	213,286	?	0,01				
	Reported discards 2016 (t)		0	489,06	22,37	0	2, 22		0,08				
	Discard rates 2016 (%)		0%	100%	35%	0%	0%	#VALUE!	#DIV/0!				
	Total catch 2016 (t)	970	193	489	63	11	213	?	0				
2016		Londing CTECE / Initial and to	0.00	0.00	4.47	1.00	1.12	(0.4411151	UDD / /O.I	7			
ips 2016		Landing STECE / Final quota	0,88	0,00	1,17	1,00	1,13	#VALUE!	#DIV/0!				
		Landing STECF / Final quota Catches STECF / Initial quota share	0,85	0,00 54,34	1,17	0,21	0,90	#VALUE!	#DIV/0! #DIV/0!				
		Catches STECF / Final quota	0,88	54,34	1,81 1,81	1,00 0,21	1,13 0,90	#VALUE!	#DIV/0! #DIV/0!				
		Estimated Surplus/Deficit by Member State	0,85	54,34	1,81	0,21	0,90	#VALUE!	#DIV/0!				
		Estimated Surplus/Deficit by Member State (t)	35	-480	-28	41	24	#VALUE!	0	_			
		, , , , , , , , , , , , , , , , , , , ,											
tegory 2 (Reg	gional) or 3 (Biological)?					reported landings DEU to EU for 2016: 49,4 t							
		2				10 20 101 2016. 49,4 1							
		_											
	arget, by-catch fisheries or both		В	В	Т	В	В	В	В				
- Main s	sources of unwanted catches												
	Mitigation actions:									Would this action have an	Reason for using the action	Reason for not using the action	Respon
										economic impact			·
		Enter avoidance measure beyond existing measures that may reduce the unwanted catch of a species	"Y" for ves. "N" for no. "	?" if unknown									
			1 101 yes, 14 101 110,	· II dilkilowii									
		Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning	Y	Y	Y	Y	Y	Y	Υ	Yes, bycatch	High concentration for certain species		
	Avoidance	aggregations)	N	N	N	N	N	N	N				
		Voluntary avoidance actions	Υ	Y	Y	Υ	Υ	Υ	Υ				
		Measures above regulatory requirements that may reduce the	"Y" for yes, "N" for no, "	?" if unknown									
		Size selectivity - Increasing codend mesh size	N	N	N	N	N	N	N				
		- Escape panels	N	N	N	N	N	N	N				
	Selectivity	Species Selectivity - Sorting devices	Y	Y	N	Y	Y	Y	Υ	in nephrops and grids in shrimp			
	Selectivity	- Trawl modifications e.g.	N	N	N	N	N	N	N				
		cutaway trawls, raised footrope											
		- Behavioural response	N	N N	N N	N	N	N	N				
			"Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "SBI	" for stocks outside Sa	fe Biological Limits							
		Swapping Interspecies Flexibility	Y N	Y N	Y N	Y N	Y N	N N	Y N				
	Quota	Others Quota	N	N	N	N	N	N	N				
		Remove TAC Merge TAC regions	Y	Y	Y	Y	Y	Y	Y N	Many species, maybe	e for some species it would be a solution to change	it into a forbidden species	
		Wierge TAC regions		IN .	IN .	, iv	, N	, , ,	IN .				
		Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, '	"?", "0" (0-TAC) or "Little	e" (Discard Rate >> DM) or "sufficient" (Discard	Rate < DM)						
		High survival	Υ	Υ	Υ	Υ	Υ	Υ	Υ	epted that this is an option. Again, many species,	the moment you proof high survivability for one sp	ecies, you probably have to do additional research for o	other species
		de minimis (based on single TAC)	N	N	N	N	N	N	N				
	Exemptions	d <i>e minimis</i> (based on combined TACs)	N	N	N	N	N	N	N				
		<u>, </u>											
							i				T. Comments of the Comment of the Co	1	
							ombined TAC (many spec						
	General conclusions:		should work towards	s a more species-by-sp	ecies approach, whi	ch would result in a co	mbination of avoidance,	forbidden species and					
			should work towards	s a more species-by-sp y. Possible to start with	ecies approach, which a high surviviability	ch would result in a cor y exemption in 2019, w	mbination of avoidance, the state of the sta	forbidden species and					
			should work towards	s a more species-by-sp y. Possible to start with	ecies approach, which a high surviviability	ch would result in a co	mbination of avoidance, the state of the sta	forbidden species and					

^{*} Responsibility for this action:

2016 Skates and Rays SK and KG **Member States** Belgium The Netherlands Sweden Denmark France Germany UK Union TAC for 2016 (t) 47 47 ICES 2015 advice area 7.e-k Initial quota share 2016 (%) baseline 0,00 0,00 21,28 0,00 78,72 0,00 0,00 http://www.ices.dk/sites/pub/Publication%20Reports/Advi Initial quota 2016 (t) 37 0 0 10 ce/2015/2015 potential ammendments /cod-7e-k.pdf Final quota 2016 (After banking and 10 Special conditions catch options: Not quantified because of variable discard rates in the Reported landings 2016 (t) STECF data recent past. Reported discards 2016 (t) 44,9 Discard rates 2016 (%) **#VALUE!** #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! 100% Table 5.3.10.8 Cod in Divisions VIIe-k. Catch distribution Total catch 2016 (t) **#VALUE!** #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! 45 by fleet in 2014 as estimated by ICES: **#VALUE! #VALUE! #VALUE!** #DIV/0! #VALUE! 0,00 effect swaps 2016 Landing STECF / Initial quota **#VALUE!** 64 % : otter trawl #VALUE! **#VALUE! #VALUE!** #VALUE! **#VALUE! #VALUE!** 0,00 Landing STECF / Final quota 17%: beam trawl Catches STECF / Initial quota share #VALUE! **#VALUE! #VALUE!** #VALUE! **#VALUE!** 4,49 16%: seine #VALUE! 0%: gillnets Catches STECF / Final quota #VALUE! **#VALUE!** #VALUE! 4,49 #VALUE! **#VALUE! #VALUE!** 2%: other **Estimated Surplus/Deficit by Member State #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!** 4,49 Estimated Surplus/Deficit by Member State (t) **#VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!** -35 Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches TR2;35-69mm Would this action have an Mitigation actions: Responsibility* Reason for using the action Reason for not using the action economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota Remove TAC Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:** 200% increase in Estimated reduction of the choke problem after "Other" mitigation actions: TAC?

^{*} Responsibility for this action :

2016 SOLE NS (SOL/24-C)

	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
nion TAC for 2016 (t)	13069										
on TAC + uplift 1,4%	13252										
eline Initial quota share 201	L6 (%)	8,45	3,86	1,69	6,76	76,30	4,35	0,00			
Initial quota 20	016 (t)	1104	505	221	883	9971	568	0			
ntial ammendments Final quota 2016 (After bankin	a and	000	F12	224	0.50	10466	F76	0			
Final quota 2016 (After bankin Special cond		988	512	224	958	10466	576	0			
Special cond											
CF data Reported landings 20	016 (t)	776,8	357,94	365,91	841	9395,404	706	0			
Reported discards 20		272,67	18,62	10,17	73	1143	69	0			
Discard rates 201		26%	5%	3%	8%	11%	9%	NA			
Total catch 20	14030 14030	1049	377	376	914	10538	775	0			
ct swaps 2016	Landing STECF / Initial quota	0,70	0,71	1,66	0,95	0,94	1,24	#DIV/0!			
ι σνναρό 2010	Landing STECF / Illitial quota	0,70	0,71	1,63	0,93	0,94	1,24	#DIV/0!			
	Catches STECF / Initial quota share	0,79	0,75	1,70	1,04	0,50	1,23	#DIV/0!			
	Catches STECF / Final quota	1,06	0,73	1,68	0,95	1,01	1,35	#DIV/0!			
	Estimated Surplus/Deficit by Member State	1,06	0,74	1,68	0,95	1,01	1,35	#DIV/0!			
	Estimated Surplus/Deficit by Member State (t)	-62	136	-152	44	-73	-199	0			
Category 2 (Regional) or 3 (Biological)?											
e:	2								1		
- Mainly target, by-catch fisheries or both											
- Main sources of unwanted catches											
Mitigation actions:									Would this action have an	Reason for using the action	Reason for not using the ac
									economic impact		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations)										
	Voluntary avoidance actions										
	Measures above regulatory requirements that may reduce the unwanted catch of a species	"V" for yes "N" for no "	?" if unknown								
	Size selectivity - Increasing codend mesh size	1 101 yes, 14 101 110,	- I unknown								
	- Escape panels										
Selectivity	Species Selectivity - Sorting devices										
Selectivity	- Trawl modifications e.g. cutaway trawls, raised										
	footrope										
	- Behavioural response	<u> </u>	1								
		"Y" for yes, "N" for no, "	?", "0" for 0-TAC, No "S	SBL" for stocks outside S	Safe Biological Limits						
	Swapping Interspecies Flexibility										
Quota	Others Quota										
	Remove TAC Merge TAC regions		1								
	·	1	•		•	•	•	•			
	Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, '	'?", "0" (0-TAC) or "Litt	tle" (Discard Rate >> DN	M) or "sufficient" (Disc	ard Rate < DM)					
	High survival de minimis (based on single TAC)										
Evamentions	as mining (basea on single IAC)										
Exemptions	de minimis (based on combined TACs)										
General conclu	usions:			Not considered as	s a likely choke speci	ies					
	ft ! Ot !! - !! - !!	200% increase in									
Estimated reduction of the choke problem	n aπter "Otner" mitigation actions:	TAC?									

^{*} Responsibility for this action:

2016 SOLE SK KG (SOL/3A/BCD) **Member States** Belgium Denmark The Netherlands UK Sweden France Germany Union TAC for 2016 (t) 391 391 Union TAC + 0,0% uplift (?) baseline Initial quota share 2016 (%) 0,00 0,00 0,00 4,86 8,18 3,07 83,89 32 Initial quota 2016 (t) 19 12 328 0 potential ammendments 328 Final quota 2016(After banking and 21 20 12 Special conditions STECF data Reported landings 2016 (t) 69,08 15,78 13,5 17 Reported discards 2016 (t) 0,58 7,2 Discard rates 2016 (%) #VALUE! #VALUE! 0% #VALUE! 1% 0% 35% Total catch 2016 (t) **#VALUE! #VALUE!** 16 **#VALUE!** 21 #VALUE! 17 effect swaps 2016 Landing STECF / Initial quota **#VALUE!** 0,21 #VALUE! 0,89 0,49 #VALUE! 1,13 0,21 0,81 0,80 1,13 Landing STECF / Final quota **#VALUE!** #VALUE! **#VALUE!** 0,21 0,89 0,49 1,73 **#VALUE!** #VALUE! #VALUE! Catches STECF / Initial quota share 1,73 0,21 0,81 0,80 **#VALUE!** Catches STECF / final quota **#VALUE!** #VALUE! Estimated Surplus/Deficit by Member State **#VALUE!** 0,21 **#VALUE!** 0,80 **#VALUE!** 1,73 0,81 **258** Estimated Surplus/Deficit by Member State (t) **#VALUE! #VALUE! #VALUE!** Choke Category 2 (Regional) or 3 (Biological)? - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC Merge TAC regions** "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:**

200% increase in

TAC?

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Estimated reduction of the choke problem after "Other" mitigation actions:

^{*} Responsibility for this action:

SAITHE NS SK KG **Member States** Belgium Denmark The Netherlands Sweden Germany France Union TAC for 2016 (t) 31284 31284 Union TAC + 0,0% uplift baseline Initial quota share 2016 (%) 0,07 0,00 0,00 0,00 21,82 0,00 1,19 Initial quota 2016 (t) 6.825 23 371 potential ammendments Final quota 2016(After banking and 7169 111 15 371 0 Special conditions SE quota in IV in 880 NEZ, code (POK/04 STECF data Reported landings 2016 (t) 15,557 6310 110,889 8807 1225,1 Reported discards 2016 (t) 24 11854 88,7 Discard rates 2016 (%) #VALUE! #VALUE! #VALUE! 0% **#VALUE!** 57% 7% Total catch 2016 (t) **#VALUE!** 1314 #VALUE! **#VALUE!** #VALUE! 6334 20661 **#VALUE!** effect swaps 2016 Landing STECF / Initial quota 0,68 #VALUE! #VALUE! 0,92 #DIV/0! #DIV/0! 3,30 3,30 1,02 **#VALUE! #VALUE!** 0,88 1,00 #DIV/0! Landing STECF / Final quota 3,54 **#VALUE! #VALUE! #VALUE!** 0,93 **#VALUE!** #DIV/0! Catches STECF / Initial quota share **#VALUE!** 0,88 #DIV/0! 3,54 Catches STECF / final quota **#VALUE! #VALUE! #VALUE!** Estimated Surplus/Deficit by Member State **#VALUE!** 0,88 #DIV/0! 3,54 **#VALUE! #VALUE! #VALUE!** Estimated Surplus/Deficit by Member State (t) **#VALUE!** 835 -20661 -63 **#VALUE! #VALUE! #VALUE!** Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for using the action Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC Merge TAC regions** "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:** 200% increase in Estimated reduction of the choke problem after "Other" mitigation actions:

TAC?

^{*} Responsibility for this action :

Megrim NS Member States Belgium Denmark The Netherlands France Germany Sweden UK Union TAC for 2016 (t) 2639 Union TAC + uplift 0,0% 2639 baseline Initial quota share 2016 (%) 0,30 0,00 0,00 0,27 0,00 0,00 0,00 Initial quota 2016 (t) 0 potential ammendments Final quota 2016(After banking and 12 0 Special conditions STECF data Reported landings 2016 (t) 1,107 1,674 1350 0 Reported discards 2016 (t) 92 0 Discard rates 2016 (%) #DIV/0! #VALUE! #VALUE! 6% #VALUE! #VALUE! NA Total catch 2016 (t) **#VALUE!** #VALUE! #VALUE! #VALUE! 1442 #VALUE! **#VALUE! #VALUE!** #DIV/0! #DIV/0! effect swaps 2016 Landing STECF / Initial quota 0,14 0,00 #DIV/0! 0,03 0,00 #DIV/0! #DIV/0! #VALUE! **#VALUE!** 0,14 Landing STECF / Final quota **#VALUE!** #VALUE! #DIV/0! #DIV/0! Catches STECF / Initial quota share **#VALUE!** 0,00 #VALUE! Catches STECF / final quota **#VALUE!** #DIV/0! #DIV/0! #VALUE! **#VALUE!** 0,00 **#VALUE!** Estimated Surplus/Deficit by Member State **#VALUE! #VALUE! #VALUE!** 0,00 #DIV/0! **#VALUE!** #DIV/0! Estimated Surplus/Deficit by Member State (t) **#VALUE! #VALUE! #VALUE! #VALUE!** -1442 Choke Category 2 (Regional) or 3 (Biological)? Indicate: - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for using the action Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC** Merge TAC regions "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs)

General conclusions:				
Estimated reduction of the choke problem after "Other" mitigation actions:	200% increase in TAC?			

^{*} Responsibility for this action :

Haddock NS Member States Belgium Denmark France The Netherlands UK Sweden Germany Union TAC for 2016 (t) 40655 Union TAC + full uplift 17,3% 47688 baseline Initial quota share 2016 (%) 0,00 0,87 0,00 0,00 3,81 0,00 0,60 1.549 Initial quota 2016 (t) 0 245 354 0 potential ammendments Final quota 2016(After banking and 1598 389 287 0 Special conditions SE quota in IV in 707 NEZ, code (HAD/04 STECF data Reported landings 2016 (t) 52,557 535 26656 117,25 Reported discards 2016 (t) 5454 2,13 Discard rates 2016 (%) #VALUE! 17% #VALUE! #VALUE! #VALUE! 1% 2% Total catch 2016 (t) **#VALUE!** 32110 #VALUE! #VALUE! 541 **#VALUE!** 119 #VALUE! effect swaps 2016 Landing STECF / Initial quota 0,15 #VALUE! #VALUE! 0,35 #DIV/0! #DIV/0! 0,48 0,33 #DIV/0! 0,41 0,14 **#VALUE!** #VALUE! #DIV/0! Landing STECF / Final quota 0,35 #DIV/0! 0,49 **#VALUE!** #VALUE! #VALUE! #VALUE! Catches STECF / Initial quota share 0,42 **#VALUE!** 0,34 **#VALUE!** #DIV/0! Catches STECF / final quota **#VALUE!** #VALUE! Estimated Surplus/Deficit by Member State **#VALUE! #VALUE! #VALUE!** 0,34 **#VALUE!** #DIV/0! 0,42 **#VALUE!** 1057 **#VALUE! #VALUE! #VALUE!** 875 Estimated Surplus/Deficit by Member State (t) -32110 Choke Category 2 (Regional) or 3 (Biological)? - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC Merge TAC regions** "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:**

200% increase in

TAC?

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Estimated reduction of the choke problem after "Other" mitigation actions:

^{*} Responsibility for this action:

Haddock SK KG Member States Belgium Denmark France The Netherlands UK Sweden Germany Union TAC for 2016 (t) 3761 Union TAC + unknown uplift % 3761 baseline Initial quota share 2016 (%) 0,00 0,00 0,51 0,00 0,00 5,34 9,94 201 Initial quota 2016 (t) 0 374 19 0 potential ammendments 214 Final quota 2016(After banking and 92 374 Special conditions STECF data Reported landings 2016 (t) 123 90,705 129,1 Reported discards 2016 (t) 20,4 Discard rates 2016 (%) #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! 1% 14% Total catch 2016 (t) **#VALUE!** #VALUE! #VALUE! #VALUE! 124 **#VALUE! #VALUE!** 150 effect swaps 2016 Landing STECF / Initial quota 0,00 #VALUE! **#VALUE!** 0,61 #DIV/0! **#VALUE!** 0,35 #DIV/0! 0,57 0,99 0,35 **#VALUE!** #VALUE! #VALUE! Landing STECF / Final quota 0,62 0,40 **#VALUE!** #VALUE! #VALUE! #VALUE! #VALUE! Catches STECF / Initial quota share 0,58 0,40 **#VALUE!** #VALUE! **#VALUE!** #VALUE! Catches STECF / final quota **#VALUE!** Estimated Surplus/Deficit by Member State **#VALUE! #VALUE! #VALUE!** 0,58 **#VALUE! #VALUE!** 0,40 **#VALUE!** Estimated Surplus/Deficit by Member State (t) **#VALUE! #VALUE!** 90 **#VALUE! #VALUE!** 225 Choke Category 2 (Regional) or 3 (Biological)? - Mainly target, by-catch fisheries or both - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for not using the action Reason for using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC Merge TAC regions** "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)

General conclusions:				
Estimated reduction of the choke problem after "Other" mitigation actions:	200% increase in TAC?			

^{*} Responsibility for this action:

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Exemptions

de minimis (based on combined TACs)

nglerfish NS												
		Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
ion TAC for 2016 (t)		11267										
on TAC 101 2010 (t)		11267										
, ,												
eline	Initial quota share 2016 (%)		3,53	0,00	0,00	3,81	0,00	0,00	0,09			
ntial ammondments	Initial quota 2016 (t)		398	0	0	429	0	0	10			
ntial ammendments	Final quota 2016(After banking and	1	324	0	0	258	92	0	10			
	Special conditions		32.									
CF data	Reported landings 2016 (t)		253,275	-	-	234	90,705	10405	10,18			
	Reported discards 2016 (t) Discard rates 2016 (%)		#VALUE!	#VALUE!	#VALUE!	0%	#VALUE!	425 4%	0,17 2%			
	Total catch 2016 (%)		#VALUE!	#VALUE!	#VALUE!	234	#VALUE!	10830	10			
	10tal eaten 2010 (t)	, mericoli	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"""	<i></i>	23.	WWW.	10030				
swaps 2016		Landing STECF / Initial quota	0,64	#VALUE!	#VALUE!	0,55	#DIV/0!	#DIV/0!	1,02			
		Landing STECF / Final quota	0,78	#VALUE!	#VALUE!	0,91	0,99	#DIV/0!	1,02			
		Catches STECF / Initial quota share	#VALUE!	#VALUE!	#VALUE!	0,55	#VALUE!	#DIV/0!	1,04			
		Catches STECF / final quota	#VALUE!	#VALUE!	#VALUE!	0,91	#VALUE!	#DIV/0!	1,04			
		Estimated Surplus/Deficit by Member State Estimated Surplus/Deficit by Member State (t)	#VALUE!	#VALUE!	#VALUE!	0,91	#VALUE!	#DIV/0!	1,04			
Category 2 (Bosic	nal) or 3 (Biological)?	Estimated Surplus/Deficit by Member State (t)	#VALUE!	#VALUE!	#VALUE!	24	#VALUE!	-10830	U			
e:	mai) of 5 (biological):											
	et, by-catch fisheries or both	2										
	irces of unwanted catches											
5.4										Would this action have an		
IVIII	tigation actions:									economic impact	Reason for using the action	Reason for not using the actio
		Enter avoidance measure beyond existing measures that may reduce the unwanted catch of a species Closed/Restriced Areas	"Y" for yes, "N" for no, "?	P" if unknown								
	Avoidance	Real Time Closures (for juveniles and/or spawning										
	A TO GIGITION	aggregations) Voluntary avoidance actions										
			1									
		Measures above regulatory requirements that may reduce the unwanted catch of a species	"Y" for yes, "N" for no, "?	?" if unknown								
		Size selectivity - Increasing codend mesh size - Escape panels										
		Species Selectivity - Sorting devices										
	Selectivity	- Trawl modifications e.g.										
		cutaway trawls, raised footrope										
		- Behavioural response										
			"Y" for yes, "N" for no, "?	?", "0" for 0-TAC, No "SBL	" for stocks outside Safe	Biological Limits						
		Swapping										
	Quota	Interspecies Flexibility Others Quota										
		Remove TAC										
		Merge TAC regions										
		Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "	?", "0" (0-TAC) or "Little	" (Discard Rate >> DM) o	or "sufficient" (Discard	Rate < DM)					
		High survival										
		de minimis (based on single TAC)										
	Exemptions	de minimis (based on combined TACs)										
	General conclusions	•										
	General conclusions											
	General conclusions		200% increase in									

^{*} Responsibility for this action:

2016 Horse Mackerel NS (JAX/4BC7D) **Member States** Belgium Denmark The Netherlands UK Sweden France Germany Union TAC for 2016 (t) 11650 Union TAC + uplift 0,0% 11650 baseline Initial quota share 2016 (%) 11,28 0,11 3,93 4,18 28,52 0,64 47,37 458 487 75 Initial quota 2016 (t) 5519 3323 1314 13 potential ammendments Final quota (After banking and 6678 554 2467 3472 1590 63 91 Special conditions STECF data Reported landings 2016 (t) 1930 2945,714 53 438 Reported discards 2016 (t) 46 48 Discard rates 2016 (%) #VALUE! 2% 10% #VALUE! **#VALUE!** #DIV/0! Total catch 2016 (t) **#VALUE!** 1976 53 #VALUE! #VALUE! 3429 486 effect swaps 2016 Landing STECF / Initial quota 4,08 **#VALUE! #VALUE!** 3,96 0,89 0,33 0,00 **#VALUE! #VALUE!** Landing STECF / Final quota **#VALUE! #VALUE!** #VALUE! **#VALUE!** #VALUE! 4,06 1,03 0,37 0,00 4,08 #VALUE! **#VALUE!** Catches STECF / Initial quota share **#VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!** Catches STECF / Final quota **#VALUE!** Estimated Surplus/Deficit by Member State 0,84 **#VALUE! #VALUE!** 0,80 0,99 0,31 0,00 1104 Estimated Surplus/Deficit by Member State (t) 10 **#VALUE! #VALUE!** 491 43 Choke Category 2 (Regional) or 3 (Biological)? - Mainly target, by-catch fisheries or both T/B - Main sources of unwanted catches Would this action have an Mitigation actions: Reason for not using the action Responsibility* economic impact Enter avoidance measure beyond existing measures that may "Y" for yes, "N" for no, "?" if unknown reduce the unwanted catch of a species **Closed/Restriced Areas** Real Time Closures (for juveniles and/or spawning **Avoidance** aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the "Y" for yes, "N" for no, "?" if unknown unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels **Species Selectivity - Sorting devices** Selectivity - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response "Y" for yes, "N" for no, "?", "0" for 0-TAC, No "SBL" for stocks outside Safe Biological Limits Swapping **Interspecies Flexibility** Quota Others Quota **Remove TAC Merge TAC regions** "Y" for yes, "N" for no, "?", "0" (0-TAC) or "Little" (Discard Rate >> DM) or "sufficient" (Discard Rate < DM) Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) **Exemptions** de minimis (based on combined TACs) **General conclusions:**

200% increase in

TAC?

Individual vessels
Producer Organisation (PO)
Member States: avoid chokes
Regional Member States
European Commission
Council of Ministers
Co-decision

Estimated reduction of the choke problem after "Other" mitigation actions:

^{*} Responsibility for this action:

orway pout NS SK KG											
	Member States	Belgium	Denmark	France	Germany	The Netherlands	UK	Sweden			
									Karin Linderholm:		7
ion TAC tuplift 0.0%	129000								We think it is important to nice for SE (no quota share, but u	clude Norway pout as that is a choke navoidable bycatch in thh fishery for	
ion TAC +uplift 0,0%	129000								Nothern prawn).		
eline Initial quota share 2016 (%	6)	0,00	0,00	0,00	0,00	0,00	0,00	0,00		consider to include all TAC-species in e. That is species such as tusk, blue	
Initial quota 2016 (0	ling, nephrops and pandalus.		
ntial ammendments											
Final quota (After banking ar								0			
Special condition	ns										
CF data Reported landings 2016 (3,7			
Reported discards 2016 (#DIV/OI	#51//01	#51//01	#5177/01	00/	#DN//01	256,7	DD 2014 2016 07 22 000/	Daniel Valentinsson: 740 t landings in 2015- just 2-3 tonees in 2014 and 2016	
Discard rates 2016 (9		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0%	#DIV/0!	99%	DR 2014-2016: 97, 22, 99%		
Total catch 2016 (t) 3689	U	0	U	l 0	3429	0	260			
waps 2016	Landing STECF / Initial quota	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
vvap3 2010	Landing STECF / Initial quota Landing STECF / Final quota	#DIV/U! #VALUE!	#DIV/U! #VALUE!	#DIV/U! #VALUE!	#DIV/U! #VALUE!	#DIV/U! #VALUE!	#DIV/U! #VALUE!	#DIV/0! #DIV/0!	-		
		#VALUE! #DIV/0!	#VALUE!	#VALUE! #DIV/0!	#VALUE! #DIV/0!	#VALUE! #DIV/0!	#VALUE! #DIV/0!		_		
	Catches STECF / Initial quota share			-		-		#DIV/0!	-		
	Catches STECF / Final quota	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	-		
	Estimated Surplus / Deficit by Member State	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	_		
	Estimated Surplus/Deficit by Member State (t)	U	U	U	U	-3429	U	-260	-		
tegory 2 (Regional) or 3 (Biological)?									_		
e:	2								_		
- Mainly target, by-catch fisheries or both	-							B E 60 mm /Danalala			
- Main sources of unwanted catches								5-69 mm (Pandalı	IS)		
Mitigation actions:									Would this action have an economic impact	Reason for using the action Reason	for not using the a
	reduce the unwanted catch of a species	"Y" for yes, "N" for no, "?	" if unknown					?			
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning	"Y" for yes, "N" for no, "?	" if unknown					; ;			
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations)	"Y" for yes, "N" for no, "?	" if unknown					; ;			
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions	"Y" for yes, "N" for no, "?	" if unknown					?			
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions	"Y" for yes, "N" for no, "?						?	(Daniel) Valentinsson:		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size							? ? ?	Daniel Valentinsson: sorting grid already		
Avoidance	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels							N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices							? ? ? N N	Daniel Valentinsson: sorting grid		
Avoidance Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels							N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope							N N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised							N N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response		" if unknown	BL" for stocks outside Sa	afe Biological Limits			N N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no, "?	" if unknown	BL" for stocks outside Sa	afe Biological Limits			N N	Daniel Valentinsson: sorting grid		
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response	"Y" for yes, "N" for no, "?	" if unknown	BL" for stocks outside Sa	afe Biological Limits			N N	Daniel Valentinsson: sorting grid		
	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC	"Y" for yes, "N" for no, "?	" if unknown	BL" for stocks outside Sa	afe Biological Limits			N N	Daniel Valentinsson: sorting grid		
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota	"Y" for yes, "N" for no, "?	" if unknown	BL" for stocks outside Sa	afe Biological Limits			N N	Daniel Valentinsson: sorting grid		
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide:	"Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	", "0" for 0-TAC, No "SB			rd Rate < DM)		N N	Daniel Valentinsson: sorting grid		
Selectivity Quota	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	" if unknown ", "0" for 0-TAC, No "SE ?", "0" (0-TAC) or "Littl	e" (Discard Rate >> DM) or "sufficient" (Discar	rd Rate < DM)	awn.	N N	Daniel Valentinsson: sorting grid		
Selectivity Quota Exemptions	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	" if unknown ", "0" for 0-TAC, No "SE ?", "0" (0-TAC) or "Littl	e" (Discard Rate >> DM) or "sufficient" (Discar		awn.	N N	Daniel Valentinsson: sorting grid		
Selectivity Quota Exemptions	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "	" if unknown ", "0" for 0-TAC, No "SE ?", "0" (0-TAC) or "Littl	e" (Discard Rate >> DM) or "sufficient" (Discar		awn.	N N	Daniel Valentinsson: sorting grid		
Selectivity Quota Exemptions	Closed/Restriced Areas Real Time Closures (for juveniles and/or spawning aggregations) Voluntary avoidance actions Measures above regulatory requirements that may reduce the unwanted catch of a species Size selectivity - Increasing codend mesh size - Escape panels Species Selectivity - Sorting devices - Trawl modifications e.g. cutaway trawls, raised footrope - Behavioural response Swapping Interspecies Flexibility Others Quota Remove TAC Merge TAC regions Indicate how much relief exemptions will provide: High survival de minimis (based on single TAC) de minimis (based on combined TACs)	"Y" for yes, "N" for no, "? "Y" for yes, "N" for no, "?	" if unknown ", "0" for 0-TAC, No "SE ?", "0" (0-TAC) or "Littl	e" (Discard Rate >> DM) or "sufficient" (Discar		awn.	N N	Daniel Valentinsson: sorting grid		

^{*} Responsibility for this action: