

Atlantic and North Sea Fishing Opportunities 2019: TAC Proposal methodology

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Overview

- Why am I here?
- Terminology
- TAC Setting Previous Years: "Top-ups"
- TAC Proposals FO 2019



Why am I here?

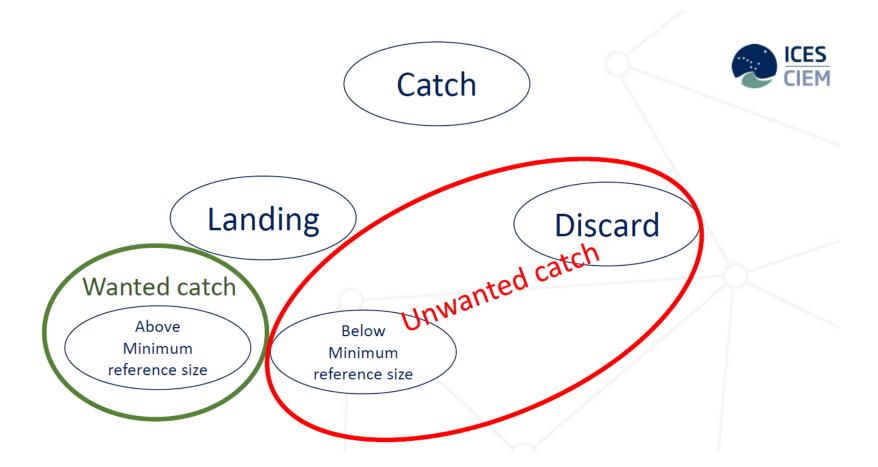
- 2019: Full Landing obligation (LO)
- Commission will no longer propose ICES advice MSY approach "wanted catch" to then discuss "top ups" in November via " non-papers" – intention is to present full TAC with the proposal.

Terminology

- Has changed due to the Landing obligation, as now everything has to be landed!
- "Wanted Catch" = Previously called "Landings"
- "Unwanted catch" = Previously "Discards"
- So now "Unwanted catch" should also be landed!

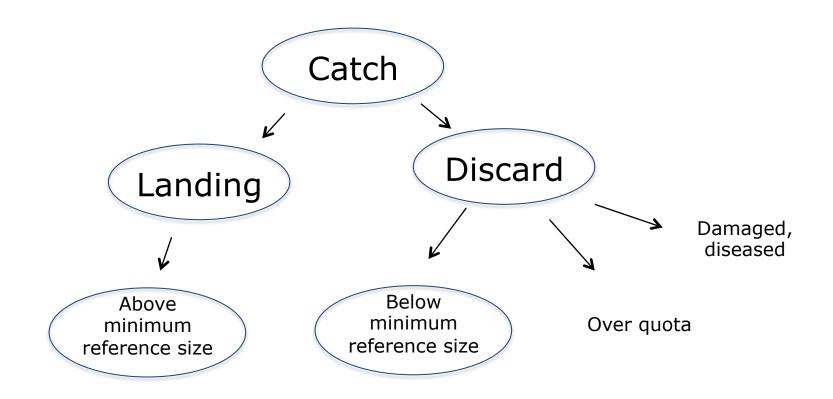


"Unwanted Catch"?



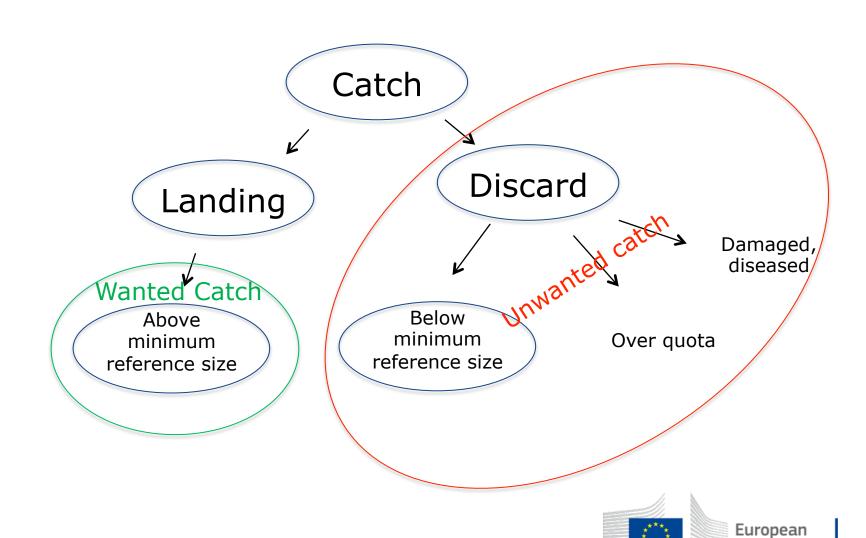


Before Landing Obligation



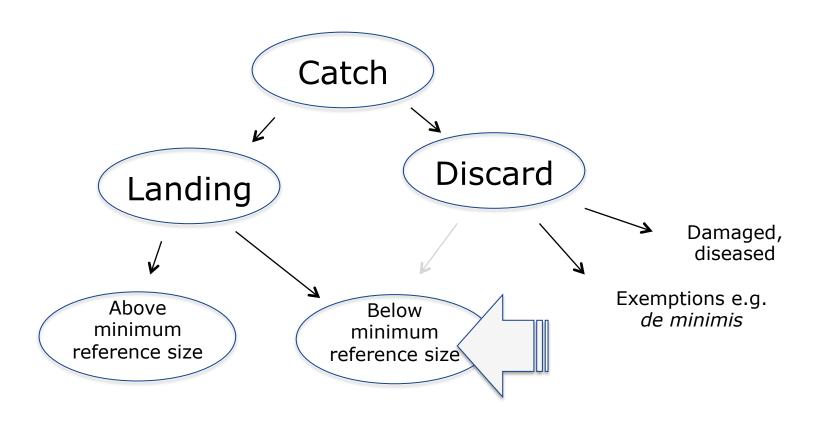


Before Landing Obligation



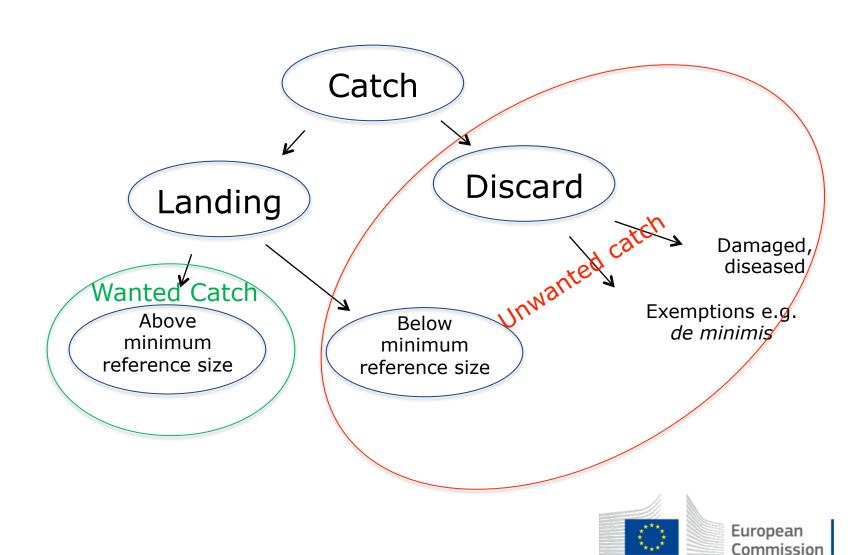
Commission

After Landing Obligation





After Landing Obligation



TAC Setting Previous Years: "Top-ups"

- Discard Plans allowed for early implementation of Landing Obligation (LO)
- Member States agree fleets to be put under LO and exemptions needed -> draft Joint Recommendations (JRs) for Discard Plans
- JR -> STECF for evaluation
- Delegated Acts drafted
- Back to STECF to calculate catches, landings discards per fleet segment. Provide a report with tables of data
- Thresholds data call -> How much of the fleet under the LO?
- Commission calculates "Top-ups" and presents via "nonpaper"



TAC Setting Previous Years: "Top-ups"

ICES Advice on fishing opportunities, catch, and effort Bay of Biscay and the Iberian Coast Ecoregion hke.27.8c9a

Published 30 June 2017 DOI: 10.17895/ices.pub.3135

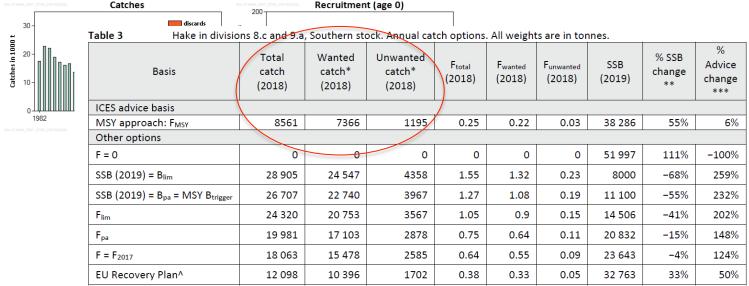
Hake (Merluccius merluccius) in divisions 8.c and 9.a, Southern stock (Cantabrian Sea and Atlantic Iberian waters)

ICES stock advice

ICES advises that when the MSY approach is applied, catches in 2018 should be no more than 8561 tonnes.

Stock development over time

The spawning-stock biomass (SSB) has increased since 1998 and is above MSY $B_{trigger}$ in 2017. The fishing mortality (F) is above F_{MSY} . Since 2010, recruitment (R) has been close to the historical average.



^{* &}quot;Wanted" and "unwanted" catch are used to describe fish that would be landed and discarded in the absence of the EU landing obligation, based on discard rates at length estimated by the assessment model for 2014–2016.



^{**} SSB 2019 relative to SSB 2018.

^{***} Total catch in 2018 relative to the advised catch for 2017 (8049 t).



Havino regard to the Treaty on the Functioning of the European Union.

THE EUROPEAN COMMISSION.

3. Hake (Merluccius merluccius) fisheries

Fishing zones	Gear Code	Fishing gear description	Mesh Size	Species to be landed
ICES divisions VIIIa, b, d and e	OTT, OTB, PTB, SDN, OT, PT, TBN, TBS, TX, SSC, SPR, TB, SX, SV	All Bottom Trawls & Seines	Mesh size larger or equal to 100 mm wide	All catches of hake
	LL, LLS	All Long lines	All	
	GNS, GN, GND, GNC, GTN, GEN	All Gill Nets	Mesh size larger or equal to 100 mm wide	
ICES divisions VIIIc and IXa	OTT, OTB, PTB, OT, PT, TBN, TBS, TX, SSC, SPR, TB, SDN, SX, SV	All Bottom Trawis and Seines	Vessels which fulfil the fol- lowing cumulative criteria: 1. Use mesh size larger or equal to 70 mm 2. Total hake landings in the period 2014/2015 (*) consist of: more than 5 % of all landed species and more than 5 metric	All catches of hake

JRC SCIENCE FOR POLICY REPORT Scientific, Technical and Economic Committee for Fisheries (STECF) Data and information requested by the Commission to support the preparation of proposals for fishing opportunities in 2018

Table 2.3 **South Western Waters**: The contribution (%) of each fleet segment identified under the Meiner 133) s to

Fishery	Gear	Mesh size	LO		STECF Annex/area	STECF genr		2013			2014			2015			2016			Average (13-14	1)	'		~ 4 Q		.6)	
Fishery	Gear	Mesh size	LO	ICES area	STECF Annex/area	SIECH gear	Landings (t)	Discards (t)	Catch (t)	Lendings (t)	Discerds (t)	Catch (t)	andings (t)	Discards (t)	Catch (t)	Landings (t)	Discards (t)	Catch (t)	Landings (t)	Discerds (t)	Catch (t)	Landings (t)	b			, c	Catch (t)
	All bottom trawls: OTB, OTT, PTB, TBN, TBS, TB, OT, PT, TX	70-100mm	All catches of common sole are	VIIIa h d	BoB, 8A-B	OTTER	24.3	% 73.1%	25.3%	28.9%	76.3%	31.3%	23.9%	32.0%	24.1%	24.4%	80.6%	26.9%	26.6%	74.79	6 289	% 26.45	54.1	96		56.3%	26%
Common Sole	All beam trawls (TBB)	70-100	subject to the LO	and e	BoB, 8A-B	BEAM	8.6				6.3%		8.0%	10.7%	8.0%				8.2%							6.8%	8%
	All trammel and gill nets: GNS, GN, GND, GNC, GTN, GEN, GTR	>=100m			BoB, 8A-B	TRAMMEL Overall netters	62.6° 66.7°	% 25.9%	61.9%	61.0%	0.9% 16.5% 17.4%	58.8%	1.6% 65.7% 67.4%	0.0% 57.3% 57.3%	1.6% 65.5% 67.1%	64.8%	16.5%	62.6%	2.8% 61.8% 64.6%	21.29	609		36.9	% 629	65.3%		2% 64% 66%
	All bottom trawls: OTB, OTT, PTB, TBN, TBS, TB, OT, PT, TX	>=100			BoB, 8A-B	OTTER	21.4	% 62.8%	28.0%	20.2%	51.5%	24.4%	19.6%	34.1%	21.3%	20.4%	86.1%	29.0%	20.8%	57.29	6 269	19.95	42.8	% 239	20.0%	60.1%	25%
Hake	All longlines : LL, LLS	All	All catches of hoke are subject to		BoB, 8A-B	LONGLIN	20.4			19.5%	0.0%		18.9%	0.0%	16.7%	20.4%			20.0%	2.99							1756
	All gill nets: GNS, GN, GND, GNC, GTN,	>=100m	the LO	and e		TRAMME	49.9			1.4%	13.1%		44.2% 1.1%	56.5% 7.7%	45.6% 1.9%				47.0% 1.2%	16.49		6 44.19 6 1.39			42.0%		41% 2%
	GEN)-100m			000, 0A-0	Overall r	51.0				17.0%		45.3%	64.2%	47.5%				48.2%								42%
	All bottom trawls: OTB, OTT, PTB, TBN, TBS, TB, OT, PT, TX	>=70	All catches of Norway lobster are subject to the LO	VIIIa, b, d and e	BoB, 8A-B	OTTER	99.0	% 100.0%	99.4%	99.8%	100.0%	99.8%	99.8%	100.0%	99.8%	99.9%	100.0%	99.9%	99.4%	100.09	6 1009	99.85	100.0	56 1009	99.8%	100.0%	100%
Anglerfish	All gill nets: GNS, GN, GND, GNC, GTN, GEN	>=170mm	All catches of englerfish are subject to the LO	VIIIa, b, d and e	BoB, 8A-B	GILL	11.7	% 7.1%	11.4%	7.3%	0.2%	6.3%	7.8%	0.7%	6.7%	5.8%	0.6%	5.4%	9.5%	3.69	99	6 7.65	0.5	96 79	6.8%	0.6%	6%
Nephrops	All bottom trawls: OTB, OTT, PTB, TBN, TBS, TB, OT, PT, TX	>=70	All catches of Norway lobster are subject to the LO	VIIIc and IXa	Пь, 8С-9А	3a (OTTE	90.8	% 91.2%	90.8%	97.1% -		97.1%	99.3%	-	99.3%	92.6%	100.0%	92.6%	94.0%	91.29	6 945	98.25	i -	989	95.9%	100.0%	96%
Hake	Trawls and Seines: OTB, OTT, OT, PTB, PT, TBN, TBS, OTM, PTM, TMS, TM, TX, SDN, SSC, SPR, TB, SX, SV	>=70mm	All catches of hake are subject to the LO for vessels that fulfil the following cumulative criteria: 1. Use mesh size larger or equal to 70 mm, 2. Total hake landings in the period 2014/2015 consist of more than 5% of all landed species and more than 5 metric tons.	VIIIc and IXa		3a (OTTER>=32mm)	48.5	% 98.9%	65.0%	50.6%	96.8%	62.7%	56.8%	98.4%	62.8%	52.7%	98.8%	i 62.5%	49.5%	97.8%	6 64:	% 53.7				98.6%	63%
	All gill nets: GNS, GN, GND, GNC, GTN, GEN	80-99	All catches of hake are subject to the LO			38 (Gillnets >=60mm) 3T (Trammel nets) Overall netters	29.8° 6.6° 36.5°	% 0.0%	4.5%		2.6% 0.0% 2.6%	1.7%	25.8% 1.1% 27.0%	0.0% 0.0% 0.0%	22.1% 1.0% 23.1%	2.0%	0.0%	1.5%	28.7% 4.5% 33.2%		6 35	1.79	0.0	% 15	1.5%	0.0%	23% 1% 24%
	All longlines (LL, LLS)	Hook size > 3.85+/ 1.15 length and 1.6+/-0.4	All catches of hake are subject to the LO			3C (Longlines)	10.5	% 0.0%	7.1%	16.1%	0.0%	11.9%	13.4%	0.0%	11.4%	13.6%	0.0%	10.7%	13.3%	0.09	91	6 14.75	0.0	% 129	13.5%	0.0%	11%
Anglerfish	All gill nets: GNS, GN, GND, GNC, GTN, GEN	>=170mm	All catches of anglerfish are subject to the LO	VIIIc and IXa	IIb, 8C-9A	38 (Gillnets >=60mm)	33.8	% 0.0%	31.9%	39.6% -		39.6%	37.5%		37.5%	29.5%	98.0%	30.5%	36.7%	0.09	369	38.69	i -	399	33.5%	98.0%	34%



ICFS

 Total Catches, landings and discards

STECF

 % contribution of each fleet segment to total catches and discards

Member States How many vessels and what catches are under the landing obligation according to "thresholds" in discard plans

COM

•Synthesis of all 3 steps and proposal of top ups including de minimis or survivability exemptions



Landings scenario- MS figures

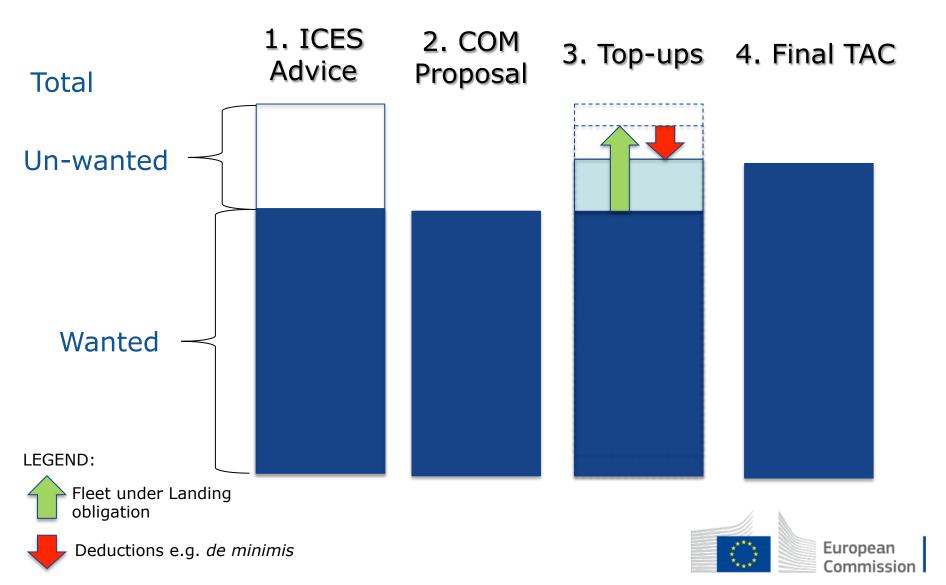
ICES data	S Hake	2018
ICES catch TAC 2018	8561	
ICES landings TAC 2018	7366	
ICES discards 2018	1195	
Discard rate (all fleets)	13,96%	

Comments		

Step 1	Deduct de		8561	
	minimis from	ICES catch TAC 2018		98%
	ICES total catch	ICES CALCIT FAC 2018		98%
	figure			
		de minimis		Percentage of catches under LO from STECF
			6%	
		Contr. to total catches	98,00%	
		de minimis deduction (A)	503	
Step 2	Deduct discards	Total discards 2018	1195	Fleet meeting threshold for inclusion
	fleets not under			
	LO			
		Contribution to discards by	1,10%	
		fleets not under LO		
		If no data under previous	14%	
		step consider ICES discard		
		rate		Fleet contribution to discard under the LO
		Discards by fleets not under	13	All bottom trawlers contribute 98.6% of
		LO to be deducted (B)		discards
				Gillnetters contribute 0.3%
				longlines 0% discards
		Total deduction A+B	517	
		New catch TAC	8044,5	
		TAC top up % relative to	9,21%	
		ICES landings TAC		
		Top up	678,5	



TAC Setting Previous Years: "Top-ups"



TAC Proposals: For this year

(e.g. de minimis) **Un-wanted** Wanted

1. ICES Advice 2. Deductions 3. COM Proposal



ICES data	S Hake	2018
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Comments		
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	LO			
		Contriby Viscards by	,10%	
		fleets	2000	
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		rate		Fleet cor
		Discart of un.		All bo
		LO to be ced (B)		discards
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		TAC top up % relative to	9,21%	
		ICES landings TAC		
'				
		Top up	678,5	



Survival Exemptions:

- Nephrops advice takes into account survival and so wanted catch level is higher than with no survival.
- If exemption will result in significant amount of dead discards
 TAC setting will have to reflect this so as not to allow fishing mortality to be above ICES advice
- Majority of cases, STECF reported that small volumes, e.g.
 Fish in pots, traps, creels
- However Plaice may be a concern await STECF report

Extrapolations:

- Lack of data was significant problem for STECF
- Some exemptions apply to all MS and wider fleet, but data only provided by one MS or minority of fleet
- COM will rely on STECF estimates in the first instance
- Deduction extrapolation will never be more than ICES "unwanted catches".

TAC Proposals for 2019

- Commission intention is to present full TAC with the proposal.
- STECF recommendations on Joint Recommendations, data availability for exemptions was a key issue: Extrapolation
- Calculations will follow STECF September WG and report and same methodology as top-ups in previous year.
- Thus Commission proposal should now be ICES advice MSY "Total catches" minus deductions, <u>following the same</u> <u>methodology as "top-ups" last year.</u>
- Caution! Old method of comparing COM proposal to ICES advice alone, will not be so straightforward this year! However this should allow earlier and more transparent consultation.



Review

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Thank you!

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