



EFCA

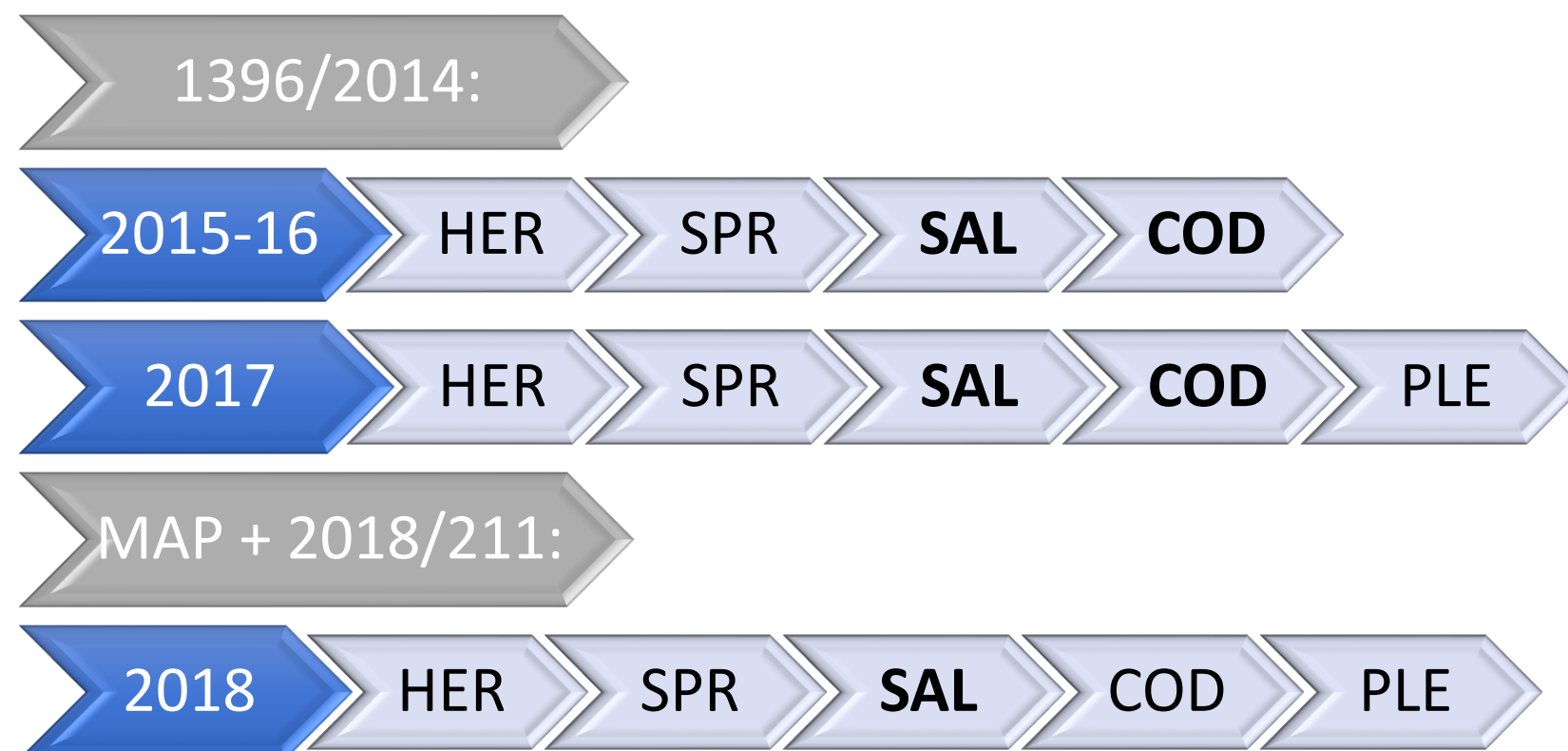
European Fisheries Control Agency

BS Compliance evaluation 2017-2018 results

BALTFISH 07/03/2022



Evaluation of compliance with the LO (2017-2018)



METHOD OF EVALUATION		APPLIED TO THE LO
1	Inspection data compared with official landings statistics	Specifically deriving discard ratio using LH data
2	Considering the evaluation of scientific bodies (STECF, etc.)	Estimates of the catches which were previously discarded and should now be landed in accordance with the LO
3	Trends of infringements	Suspected infringements (or lack of) issued for non-compliance with the LO
*4a	Interviews of control experts	Views on LO compliance (anonymity a strength)
*4b	Interviews of industry stakeholders	Views on LO compliance (focus on compliance constraints)
*5	Market analyses	Desk study on utilization of unwanted catches / those below MCRS

* methods not used in this evaluation as agreed with the CEG

BS Compliance evaluation – results

Results

FS	Species	2017					2018				
		1 - LH	2a - STECF	2b - ICES	Overall	FS Evaluation	1 - LH	2a - STECF	2b - ICES	Overall	FS Evaluation
		N					N				
BS01	COD	⚠	61	⚠	✅	⚠	⚠	54	⚠	✅	⚠
	PLE	⚠	73	❌	❌	⚠	⚠	54	⚠	❌	⚠
BS02	COD	-	-	-	✅	❌	-	2	-	✅	❌
	PLE	-	-	-	❌	❌	❌	5	-	❌	❌
BS03	COD	⚠	56	⚠	⚠	❌	⚠	26	❌	❌	⚠
	PLE	❌	23	❌	❌	❌	❌	14	❌	❌	❌
BS04*	HER	-	-	✅	✅	✅	-	-	✅	✅	✅
	SPR	-	-	✅	✅	✅	-	-	✅	✅	✅
BS05*	HER	-	-	✅	✅	✅	-	-	✅	✅	✅
	SPR	-	-	✅	✅	✅	-	-	✅	✅	✅
BS06	HER	-	-	✅	✅	✅	-	-	✅	✅	✅
	SPR	-	-	✅	✅	✅	-	-	✅	✅	✅
BS07	SAL	-	-	-	✅	✅	-	-	-	✅	✅
BS08	SAL	-	-	✅	✅	✅	-	1	-	✅	✅
BS09	SAL	-	-	✅	✅	✅	-	-	✅	✅	✅
BS10	COD	✅	45	✅	✅	✅	✅	29	✅	✅	❌
	PLE	❌	36	⚠	❌	❌	❌	26	⚠	❌	❌
BS11	COD	⚠	3	⚠	⚠	⚠	⚠	3	✅	❌	⚠
	PLE	-	-	❌	⚠	❌	-	1	⚠	⚠	⚠
BS12	HER	-	-	✅	✅	✅	-	-	✅	✅	✅

- **High compliance with the LO in most pelagic FS targeting HER and SPR** (based on scientific discard estimates)
- **High compliance for SAL FS** (again based on scientific discard estimates)
- **Lower compliance levels estimated for fixed gears targeting COD and PLE**
- **Also low and medium compliance levels estimated for towed gears targeting COD and PLE**

Compliance Level	Estimates of illegal discards	Benchmark Icon
High	< 5%	✅
Medium	≥5% and < 15%	⚠
Low	≥ 15%	❌

Results

FS	Species	2015			2016			2017			2018		
		LH	N	Overall	LH	N	Overall	LH	N	Overall	LH	N	Overall
BS01	COD	!	95	!	!	96	!	!	61	!	!	54	!
	PLE							!	73	!	!	54	!
BS02	COD	✓	13	✓	!	6	!	-	-	✓	-	2	✓
	PLE							-	-	✗	✗	5	✗
BS03	COD	!	46	!	!	66	!	!	56	!	!	26	!
	PLE							✗	23	✗	✗	14	✗
BS04*	HER	-	-	✓	-	-	✓	-	-	✓	-	-	✓
	SPR	-	-	✓	-	-	✓	-	-	✓	-	-	✓
BS05*	HER	-	-	✓	-	-	✓	-	-	✓	-	-	✓
	SPR	-	-	✓	-	-	✓	-	-	✓	-	-	✓
BS06	HER	-	-	✓	-	-	✓	-	-	✓	-	-	✓
	SPR	-	-	✓	-	-	✓	-	-	✓	-	-	✓
BS07	SAL	-	-	✓	-	-	✓	-	-	✓	-	-	✓
BS08	SAL		2	✓	-	1	✓	-	-	✓	-	1	✓
BS09	SAL	-	-	✓	-	-	✓	-	-	✓	-	-	✓
BS10	COD	✓	38	✓	✓	15	✓	✓	45	✓	✓	29	✓
	PLE							✗	36	✗	✗	28	✗
BS11	COD	✓	23	✓	✓	16	✓	!	3	!	!	3	!
	PLE							-	-	✗	-	1	!
BS12	HER	-	-	✓	-	-	✓	-	-	✓	-	-	✓

- **COD in the Western Baltic:** BS01 (towed gears), stable situation with unreported mean discard ratios around 5-6%. BS10 (fixed gears) also stable with low discard ratios.
- **COD in the Eastern Baltic:** BS03 (towed gears) unreported mean discard levels ranging from 8-14% while for BS11 (fixed gears) there seem to have been an increase in discarding. However, low number of LH available in recent years.
- Information from STECF and ICES for fleet segments targeting HER, SPR and SAL seems to indicate low discard ratios.

Compliance Level	Estimates of illegal discards	Benchmark Icon
High	< 5%	✓
Medium	≥5% and < 15%	!
Low	≥ 15%	✗

BS Compliance evaluation – results

Next period 2019-2021

FS Code	Area (ICES-SD)	TAC Species	STECF					Inspections (unreported BMS discards)*																		
			rDIS (2015)	rDIS (2016)	rDIS (2017)	rDIS (2018)	rDIS (2019)	(2015)			(2016)			(2017)			(2018)			(2019)			(2020)			
							rDIS	CI95	N	rDIS	CI95	N	rDIS	CI95	N	rDIS	CI95	N	rDIS	CI95	N	rDIS	CI95	N		
BS01	22-24	COD	8.6	9.5	5.4	10.0	4.7	6.7	(5.1-8.3)	(94)	5.4	(3.9-7.0)	(97)	6.1	(4.1-8.0)	(61)	6.3	(4.7-8.0)	(54)	1.9	(0.4-3.5)	(69)	3.2	(0.3-19.6)	(21)	
		PLE	58.3	38.8	16.4	10.6	8.8	33.5	(27.8-39.3)	(86)	22.4	(15.5-29.2)	(85)	14.0	(0.0-40.1)	(73)	-	(0.0-0.0)	(54)	0.0	(0.0-0.0)	(102)	3.8	(2.0-6.7)	(23)	
BS02	22-24	COD	-	-	-	-	-	0.2	(0.0-0.6)	(13)	5.2	(0.0-11.3)	(6)	-	(-)	(-)	14.6	(0.0-94.2)	(2)	0.0	(0.0-0.0)	(2)	-	(-)	(-)	
		PLE	-	-	-	-	-	10.1	(0.0-21.4)	(8)	8.2	(0.1-16.3)	(4)	-	(-)	(-)	26.1	(0.0-100.0)	(5)	68.1	(68.1-68.1)	(3)	42.0	(-)	(1)	
BS03	25-27	COD	10.3	13.4	13.8	19.9	16.6	7.9	(5.2-10.7)	(46)	9.0	(6.9-11.1)	(65)	10.9	(7.4-14.4)	(56)	14.1	(10.0-18.1)	(26)	27.6	(20.8-34.2)	(15)	34.4	(11.2-38.4)	(6)	
		PLE	41.0	90.7	73.7	48.1	47.4	75.0	(46.6-100.0)	(9)	6.8	(0.0-22.1)	(10)	89.5	(76.1-93.4)	(23)	82.6	(0.0-92.0)	(14)	78.1	(76.6-79.5)	(10)	67.7	(9.8-71.8)	(6)	
BS04	22-27	SPR	0.0	0.0	0.0	0.0	0.0		(-)		(-)		(4)												(3)	
		HER	7.4	0.0	4.5	0.0	0.0		(-)		(-)		(11)													(3)
BS05	22-27	SPR	0.0	0.0	0.0	0.0	0.0		(-)		(1)		(9)													(2)
		HER	0.0	0.0	0.0	0.0	0.0		(-)		(-)		(9)													(2)
BS06	28-32	SPR	0.0	0.0	0.0	0.0	0.0		(-)		(2)		(1)													(1)
		HER	0.0	0.0	0.0	0.0	0.0		(-)		(2)		(1)													(1)
BS07	22-29	SAL	0.0	-	-	-	-	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
BS08	22-29	SAL	0.0	1.5	0.0	-	-	-	(-)	(-)	0.0	(-)	(1)	-	(-)	(-)	2.2	(-)	(1)	0.0	(-)	(1)	-	(-)	(-)	(-)
BS09	22-32	SAL	6.7	5.1	7.1	4.5	5.5	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	
BS10	22-24	COD	1.3	0.8	2.6	1.7	1.5	1.1	(0.0-2.5)	(38)	0.1	(0.0-0.4)	(17)	1.3	(0.4-2.3)	(45)	2.1	(0.4-3.8)	(29)	0.4	(0-0.8)	(53)	0.1	(0.0-0.4)	(28)	
		PLE	10.5	19.8	6.6	9.1	2.2	35.6	(24.7-46.5)	(19)	71.7	(0.0-100.0)	(2)	23.7	(0.0-52.0)	(36)	26.9	(0.0-56.2)	(28)	0.0	(0.0-0.0)	(32)	0.5	(0.0-1.9)	(27)	
BS11	25-27	COD	3.4	1.9	7.7	1.6	2.9	0.0	(0.0-0.2)	(23)	0.0	(0.0-2.8)	(16)	10.3	(0.0-42.7)	(3)	9.1	(0.0-29.5)	(3)	0.0	(-)	(1)	100.0	(-)	(1)	
		PLE	44.8	59.4	37.5	6.6	9.0	1.6	(0.0-40.3)	(3)	-	(-)	(-)	-	(-)	(-)	-	(-)	(1)	97.4	(97.4-97.4)	(2)	0.0	(-)	(1)	
BS12	22-32 (2)	HER	0.8	0.2	0.1	0.1	1.4	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	-	(-)	(-)	

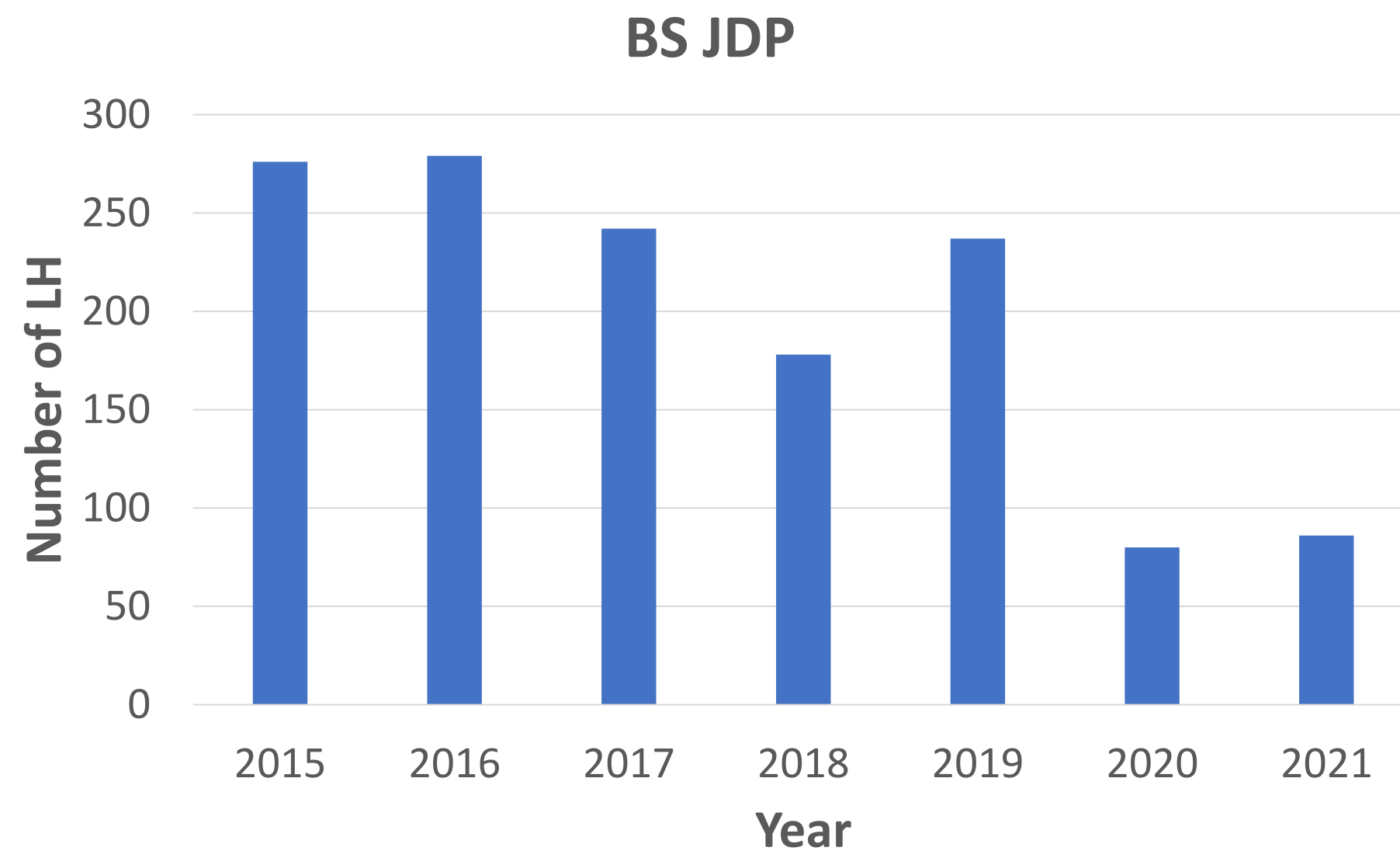


- HER 27.3031, HER 27.28, HER 27.25-2932, HER 27.2024, SPR 27. 22-32 (negligible)
- COD 27.24-32 (16.4%, 5.2%)
- COD 27. 22-24 (10.7%, 5.2%)
- PLE 27.21-23 (19.6%, 23.7%)
- PLE 27.24-32 (26.2%, 17.9%)
- SAL 27.32* (8.7%, 6.5%)
- SAL 27.22-31* (2.8%, 3.4%)

*Dead discard rate obtained from seal damages and estimated mortality of small SAL that are discarded

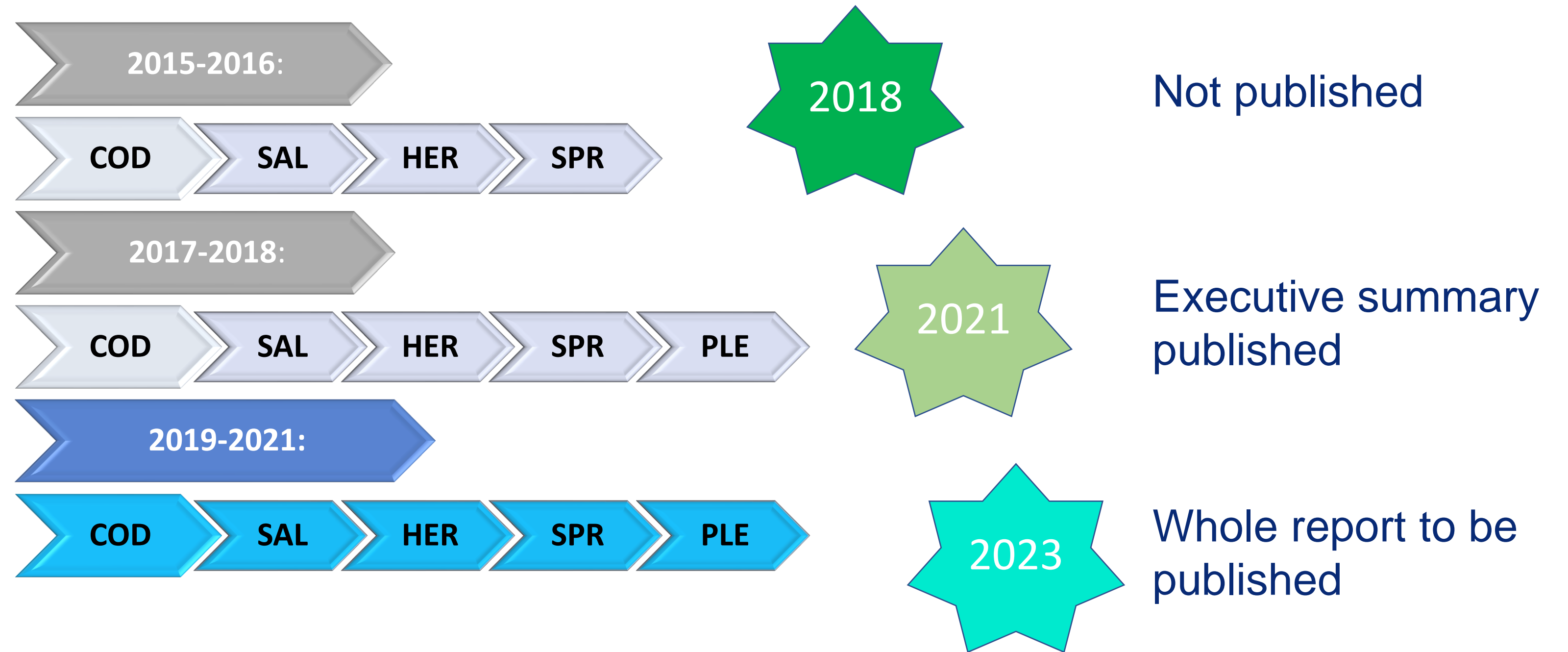
Other sources of information

- Last Hauls, all years (2015-2021)
- Numbers in 2020 and 2021 have decreased



Segment Code Name		Area (ICES-SD)	TAC Species	Lasthaul						
				2015 N	2016 N	2017 N	2018 N	2019 N	2020 N	2021 N
BS01	Western demersal otter trawls	22-24	COD	94	97	61	54	69	21	10
			PLE	86	85	73	54	102	23	10
BS02	Western seines	22-24	COD	13	6	-	2	2	-	-
			PLE	8	4	-	5	3	1	2
BS03	Eastern demersal otter trawls	25-27	COD	46	65	56	26	15	6	1
			PLE	9	10	23	14	10	6	2
BS04	Southern pelagic trawls	22-27	SPR	-	-	4	2	2	3	8
			HER	-	-	11	4	3	3	4
BS05	Southern pelagic trawls	22-27	SPR	-	1	9	7	19	2	3
			HER	-	-	9	8	20	2	3
BS06	Northern pelagic trawl	28-32	SPR	-	2	1	-	6	1	1
			HER	-	2	1	-	5	1	1
BS07	Gillnets targeting salmon	22-29	SAL	-	-	-	-	-	-	-
BS08	Longlines targeting salmon	22-29	SAL	-	1	-	1	1	-	-
BS09	Fixed gears targeting salmon	22-32	SAL	-	-	-	-	-	-	4
BS10	Western demersal gillnets and longlines	22-24	COD	38	17	45	29	53	28	23
			PLE	19	2	36	28	32	27	24
BS11	Eastern demersal gillnets and longlines	25-27	COD	23	16	3	3	1	1	1
			PLE	3	-	-	1	2	1	1
BS12	Pelagic gillnets and fixed gears	22-32 (2)	HER	-	-	-	-	-	-	3

Evaluation of compliance with the LO



Where are we?



To do

- Analyse the most recent data available (2021 LH and 2020 STECF data)
- Tabulate the results by method and species by area and fleet segment
- Carry out the overall evaluation by species/fleet segment following the methodology (considering the 4 sources of information (LH, STECF, ICES, infringement trends))
- 2021 STECF will become available at the end of 2022 (or beginning of 2023)
- Comparison with results of previous evaluation
- Work in collaboration with a drafting committee: representatives nominated for DK, EE, FI, SE, LV



EFCA

European Fisheries Control Agency

