Improved Fisheries Management Models

A view from DFPO

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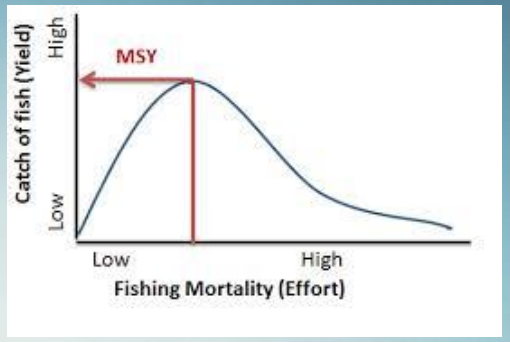
Axelborg, 8th October 2019

DANMARKS FISKERIFORENING
Producent Organisation

Article 2

Fish at Fmsy



ICES

Fmsy is…

Management plans

No socio-economic considerations

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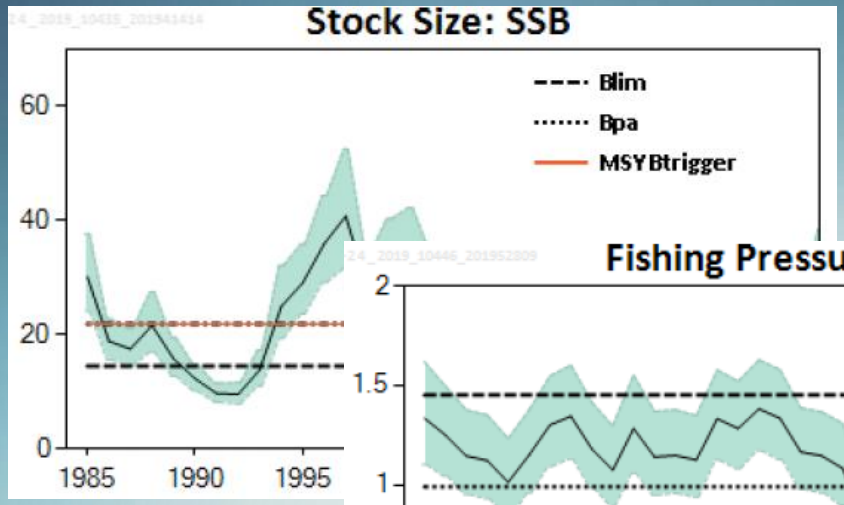
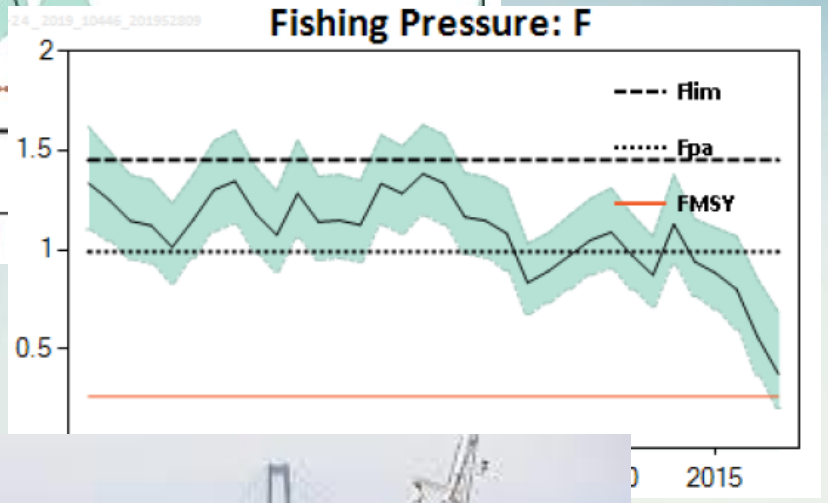
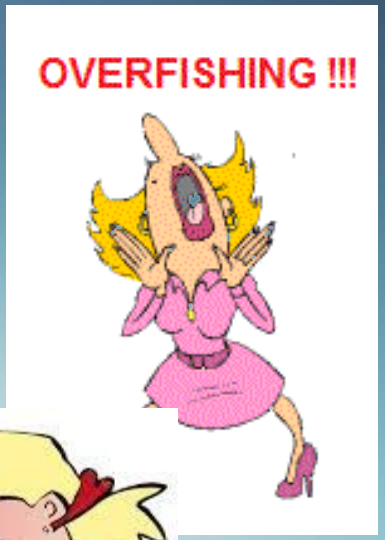

Stock Size: SSB
Blim
Bpa
MSY Btrigger
60
40
20
0
1985
1990
1995


Fishing Pressure: F
Flim
Fpa
FMSY
2
1.5
1
0.5
2015


OVERFISHING !!!

We propose an approach that is simple, scientifically sound, builds on the existing stock assessment framework, and which removes known bias in current methodology.

The cod case

	ICES Fmsy	NMTT Fmsy
Baltic 22-24	0,26	0,51
North Sea/Skagerrak	0,31	0,71

No new biomass reference points

Always been told that F and SSB are positively correlated

	EU LTMP	NMTT	Difference	rough value
Baltic 22-24	5.105	12.350	7.245	72.450
NS/Skagerrak	21.873	48.745	26.872	537.440

More than 600 mill. DKK to gain

but also reduces risk of chokes


Nordic Council of Ministers
Global fisheries catches can be increased after rebuilding of fish populations
PROJECT: ECOSYSTEM BASED FMSY VALUES IN FISHERIES MANAGEMENT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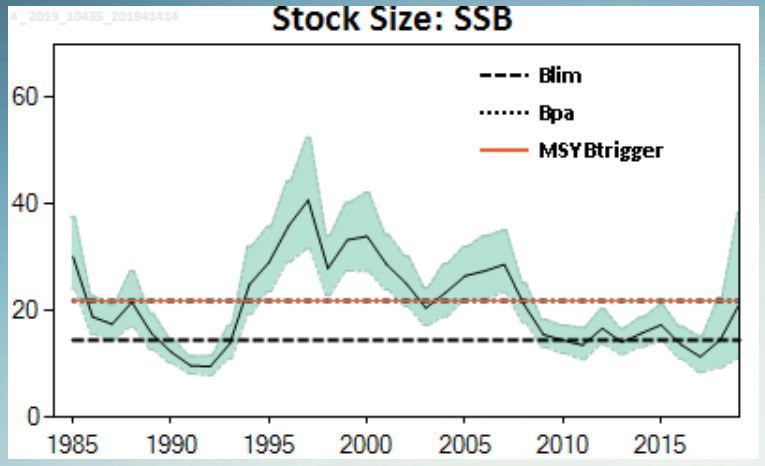
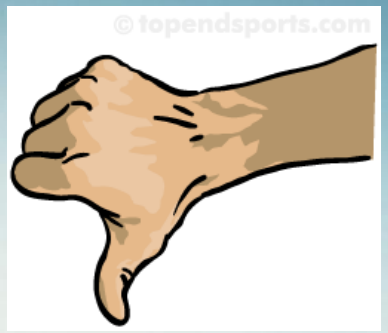
Better management demands a better <u>understanding</u> of the msy concept

But there is also a need for better <u>use</u> of it

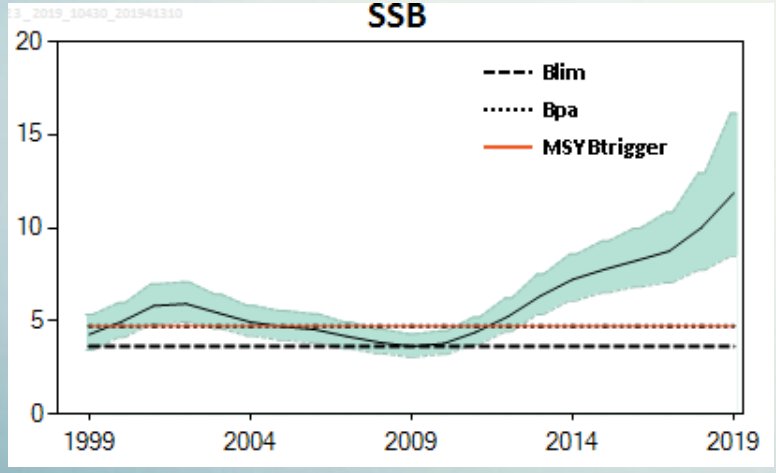
Cod Western Baltic



COM proposal

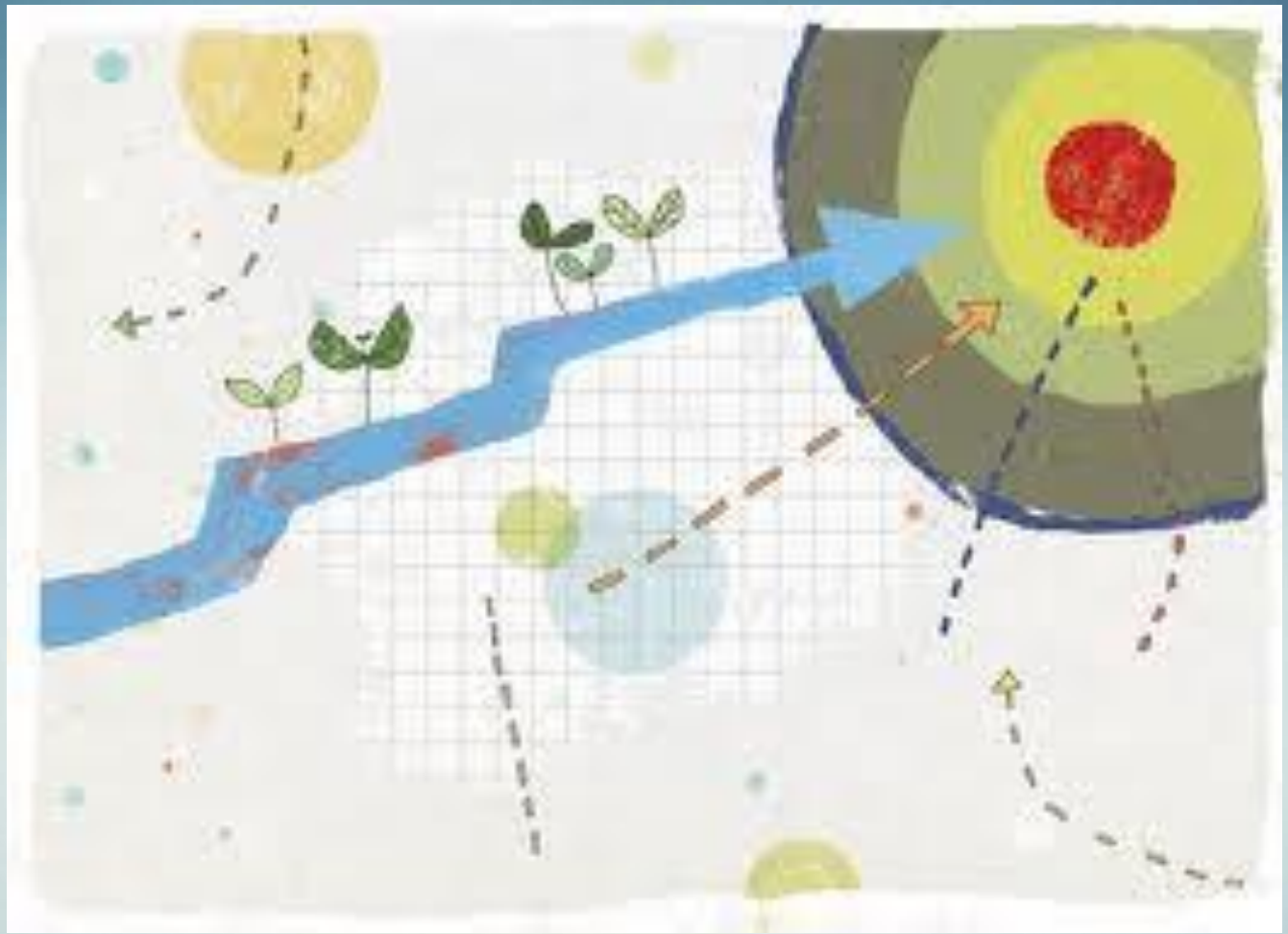


Plaice 21-23



Steps in the right direction

	SSB < Blim	Blim < SSB < MSYBtrigger	MSYBtrigger < SSB
Stock increasing	TAC is kept stable	TAC increased, but F reduced	TAC increased to Fmsy
Stock stable	TAC reduced	TAC stable	TAC set to Fmsy
Stock decreasing	TAC reduced	TAC reduced	TAC reduced



We'll get there but we need to bring the industry along

Time should not be given a high role – direction should