Baltic cod fishery – modified T90 codend ACOD-1 design (phase II)

- to decrease catch of undersized cod in the Baltic trawl fishery

Fishery / target species: Baltic cod trawl fishery / Cod Area: Baltic sea, ICES SD 22, 24-32 Vessel: GG-500 Vingaskär, LOA 23.7 m / 490 kW Gear type: Baltic cod codend, T90/120mm Gear modification: Increased no. of meshes in the circumference, decreased mesh size and increased length of codend compared to a standard T90 codend Number of haul: 11 twin-rig

Gear design (EXP=experimental codend and CTRL= standard codend)



Results (average catch of cod per unit effort in the different size classes)



Conclusion

- Significantly reduced catch of cod below 34 cm length.
- Significantly increased catch of cod between 38 and 52 cm length.
- Since 1 of January 2018 is this codend legal and described in regulation EU 2018/47.

EXP

115

2/4

PE

80

9

CTRL

121

2/4

PE

50

6



Multi-selective trawl for Cod

- Reducing the bycatch of Flounder and Cod below MCRS

Fishery / target species: Baltic cod trawl fishery / Cod

Area: Baltic sea, ICES SD 22, 24-32

Vessel: KA-250 Almy West, LOA 22.5 m

Gear type: Demersal fish-trawl

Gear modification: Posterior extension of the trawl was equipped with two vertically angled and two horizontal grids. Guiding nets forced the fish towards the selective surfaces. A ring-system with large meshed net was mounted between the belly of the trawl and the extension. **Number of haul:** 20 alternating TEST and CTRL

Gear design: A = Ring-system with large mesh. **B** = Picture showing one of the flexible grids used in the extension



Results (average catch of Cod and Flounder per haul)



Conclusion

- The multi-selective trawl retained significantly less Cod below 33 cm.
- The multi-selective trawl reduced the catch of flounder with about 70%.
- More studies is needed to determine which components of the gear that influenced selectivity and fishing efficiency.