

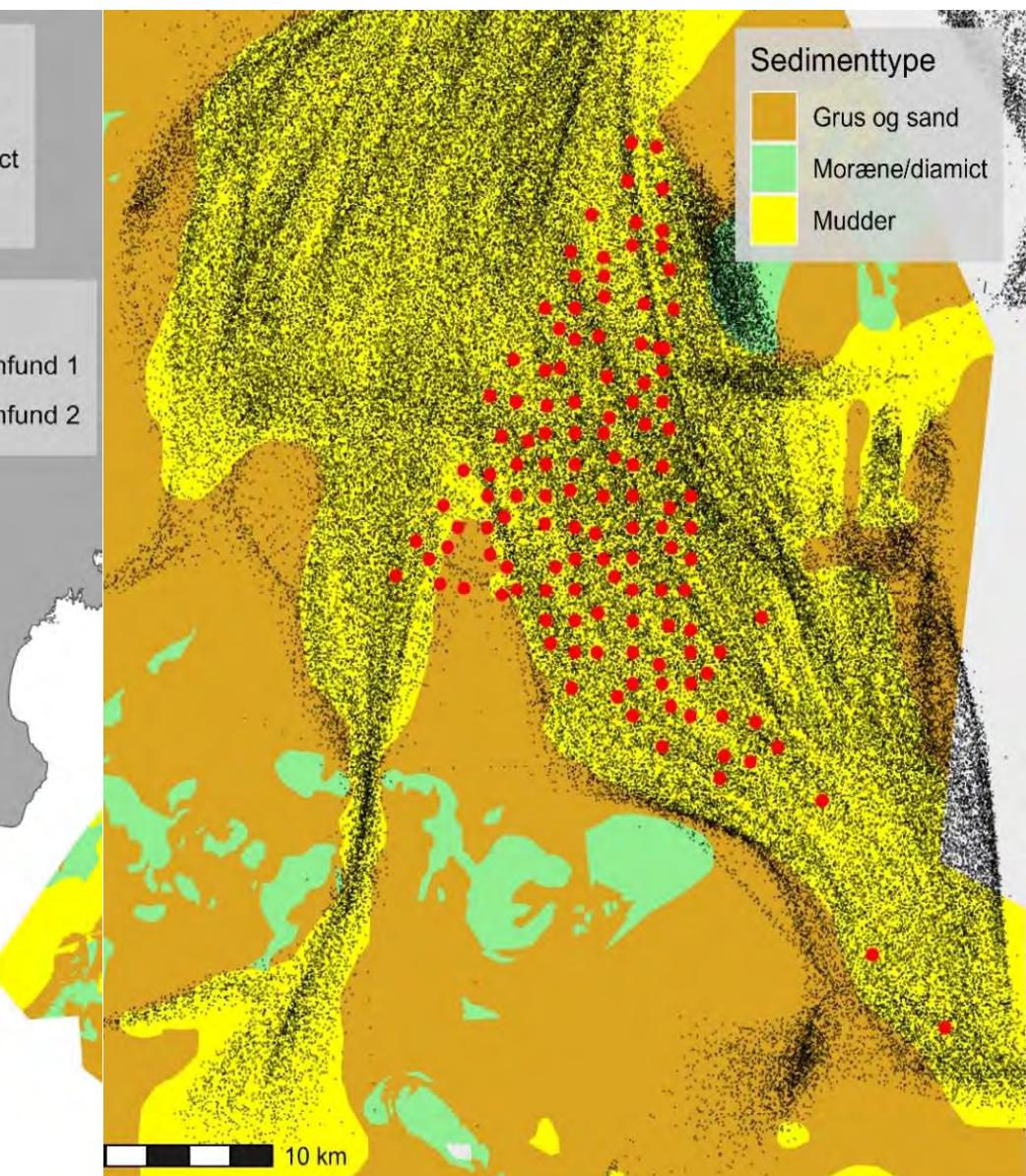
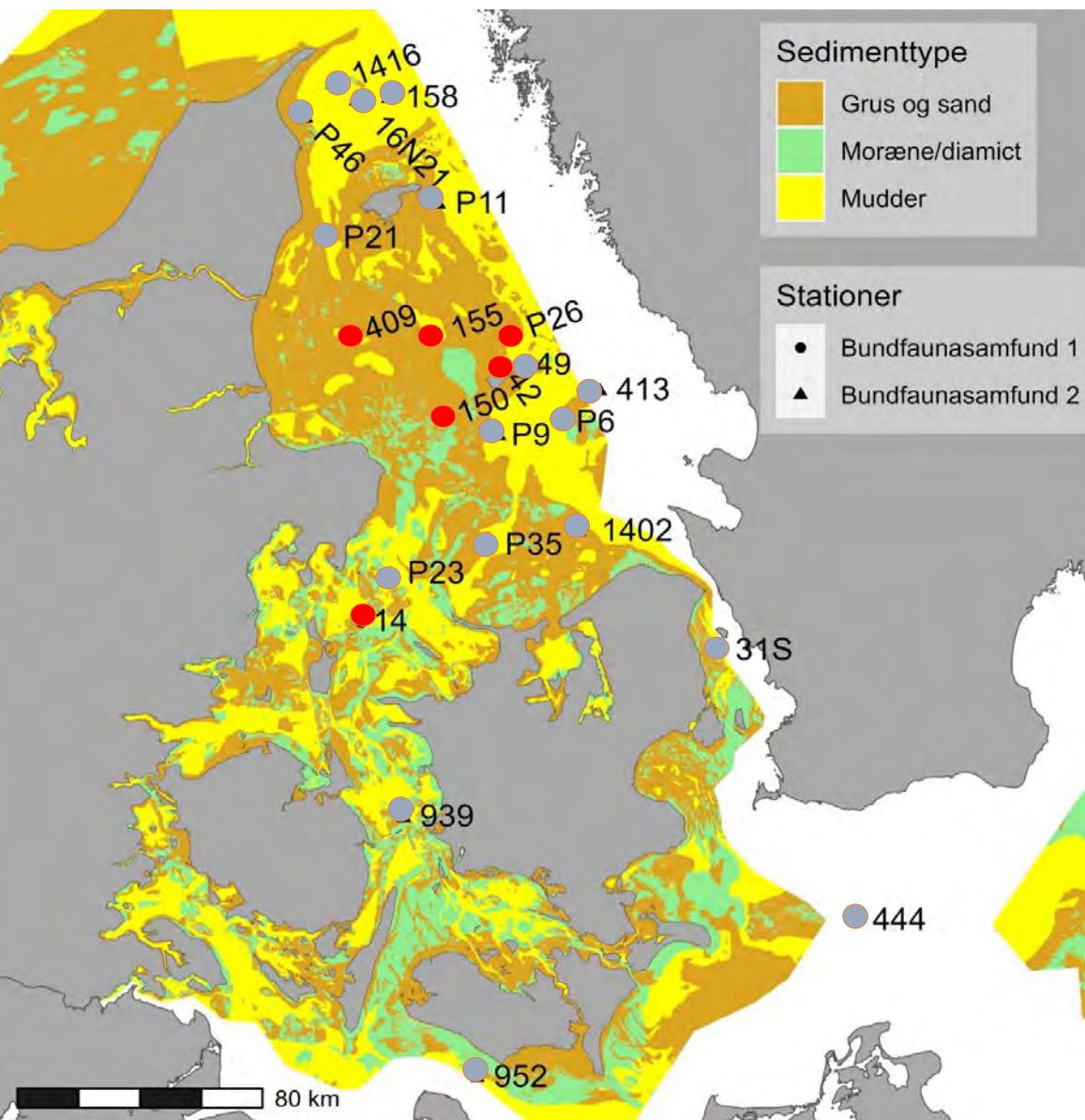
# Nephrops trawling: From loss of biodiversity to loss of ecosystems services

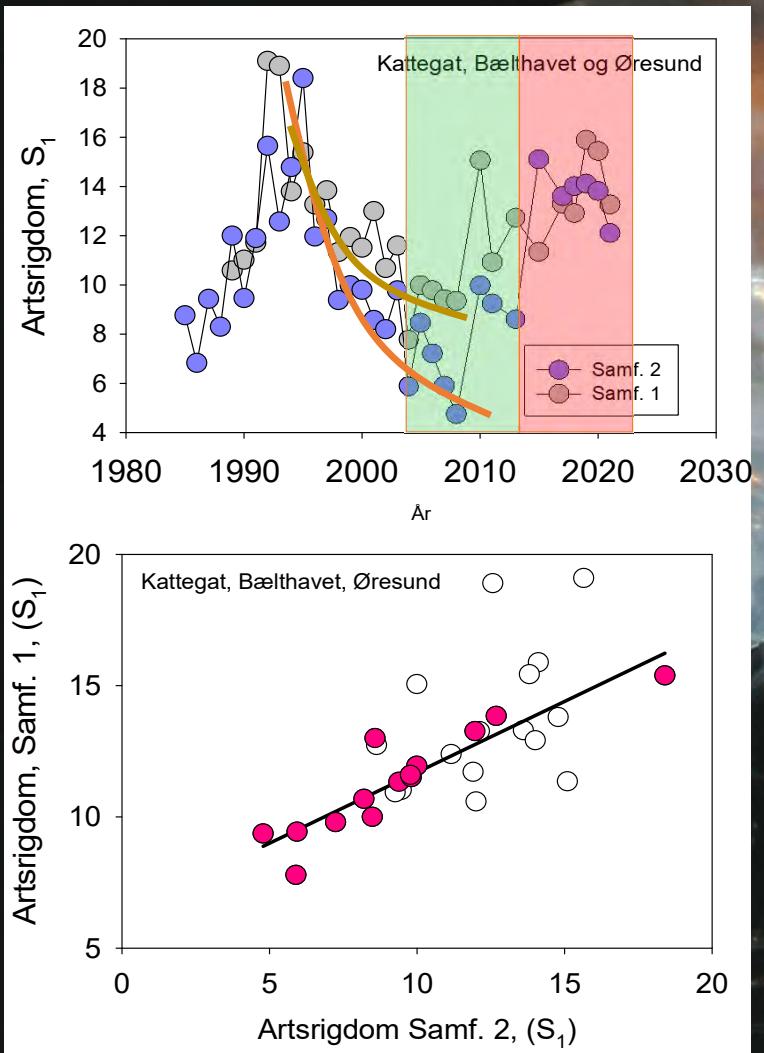


Jørgen L. S. Hansen & Nikolaj Reducha Andersen

*"When bottom trawling affects trawl free areas"*





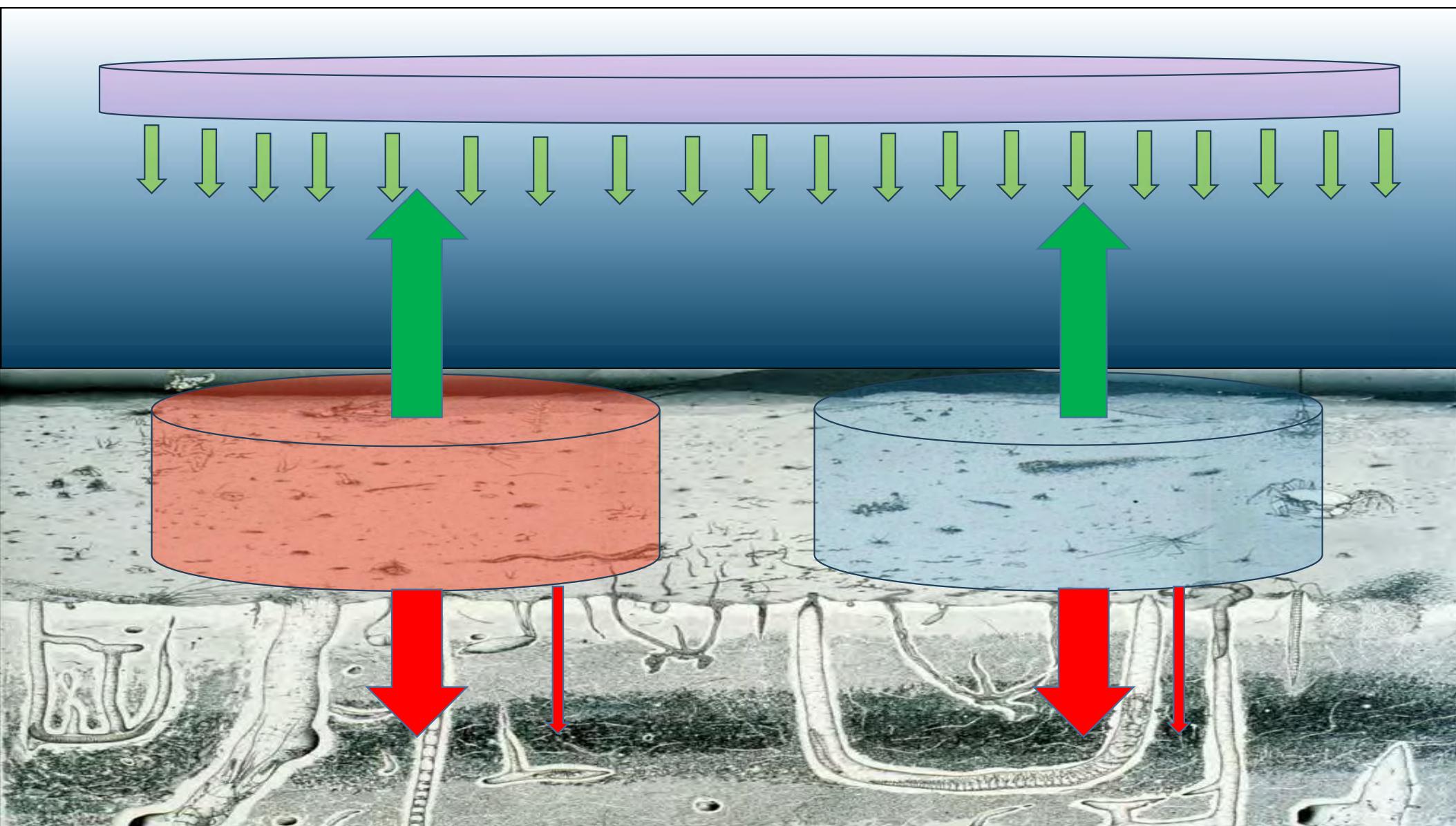


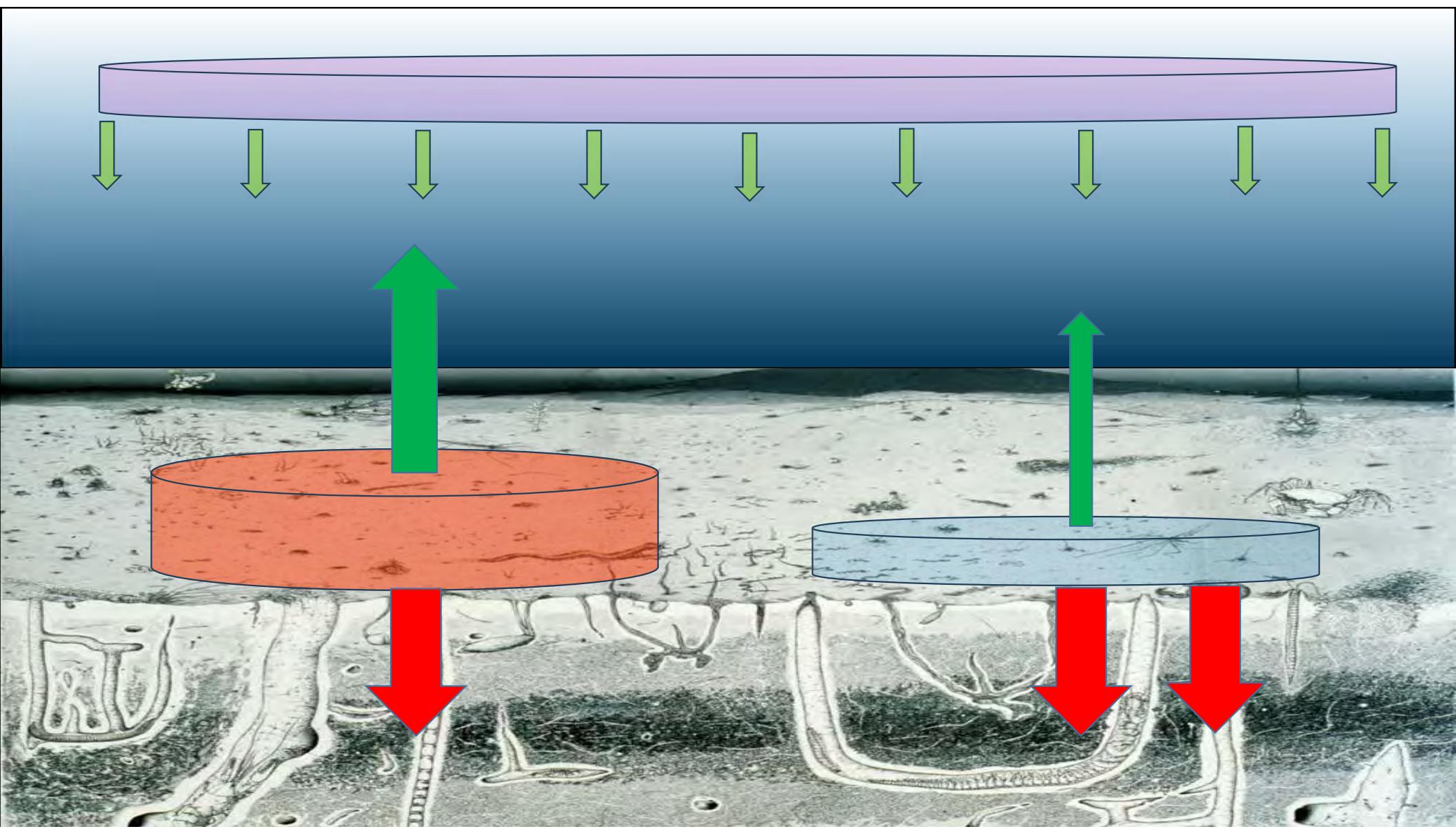
**Synchronous decline in >300 species  
1995-2008**

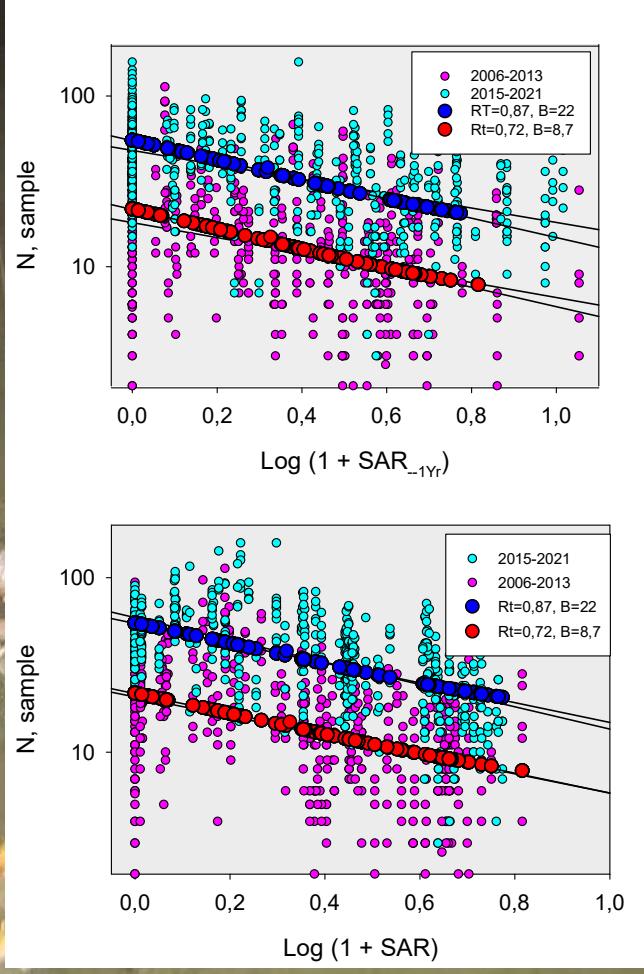
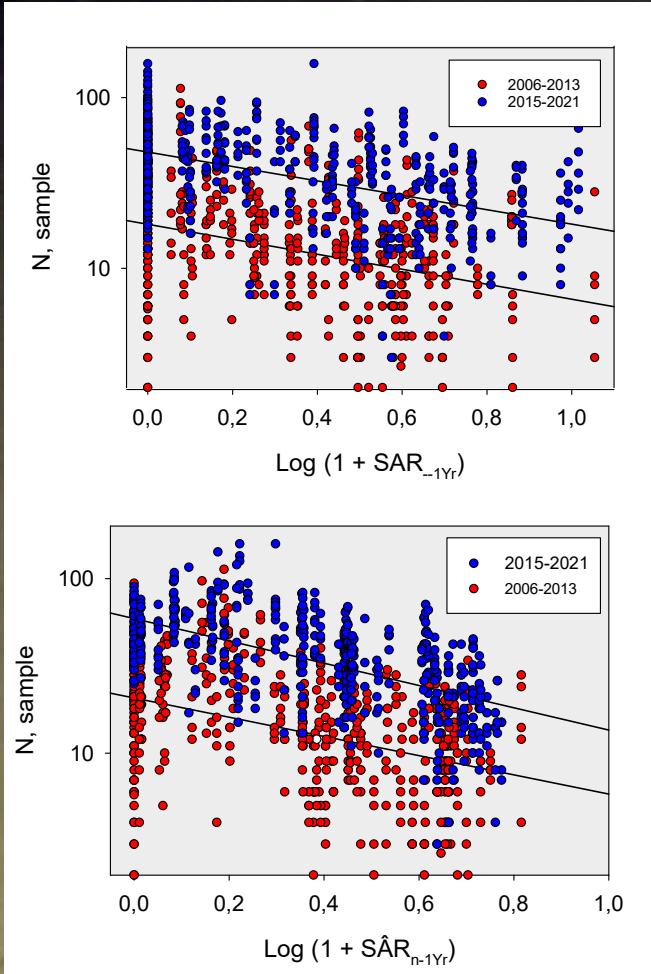
Trawled areas declined two times as fast as non-trawled areas

Biodiversity on each station depended more on regional development in the whole Kattegat area than on local environmental factors (sediment, salinity, depth etc.).

Peter Göransson ©







6%, 16%, 19%, 41%

$SA/kg\ Nephrops = 12000\ m^2$

Trawl area: 9000 km<sup>2</sup>

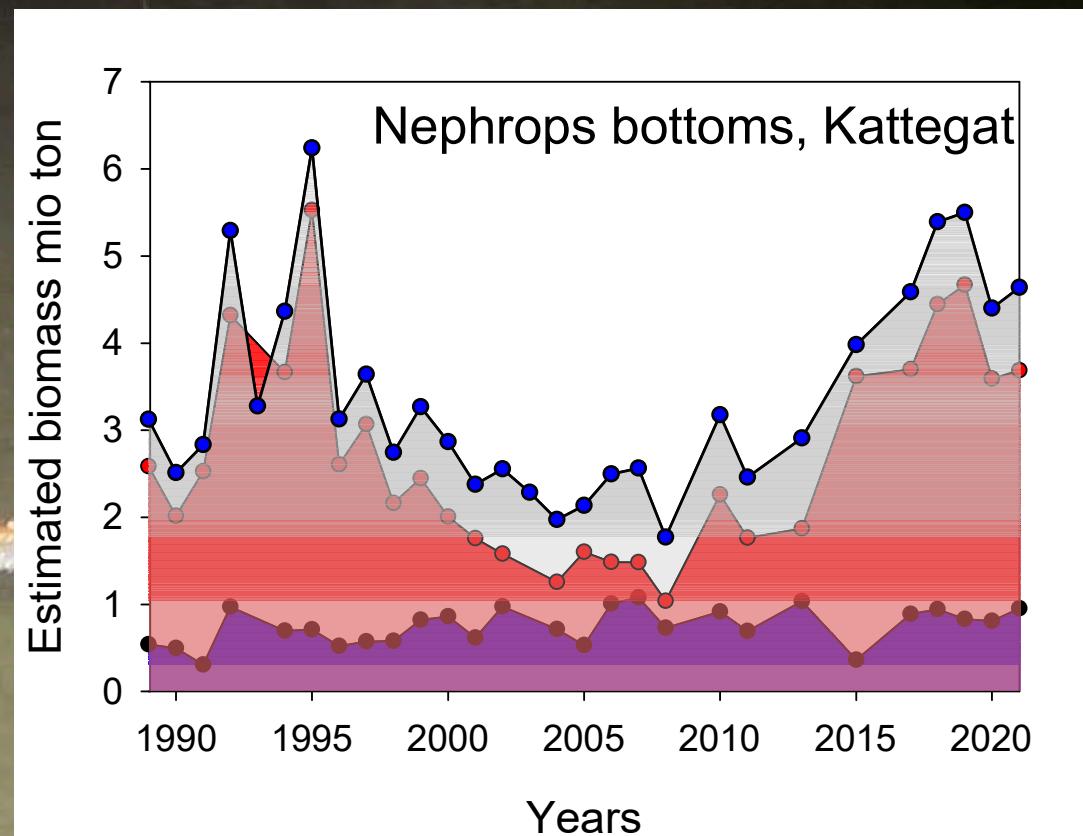
Benthos 300 g /m<sup>2</sup>

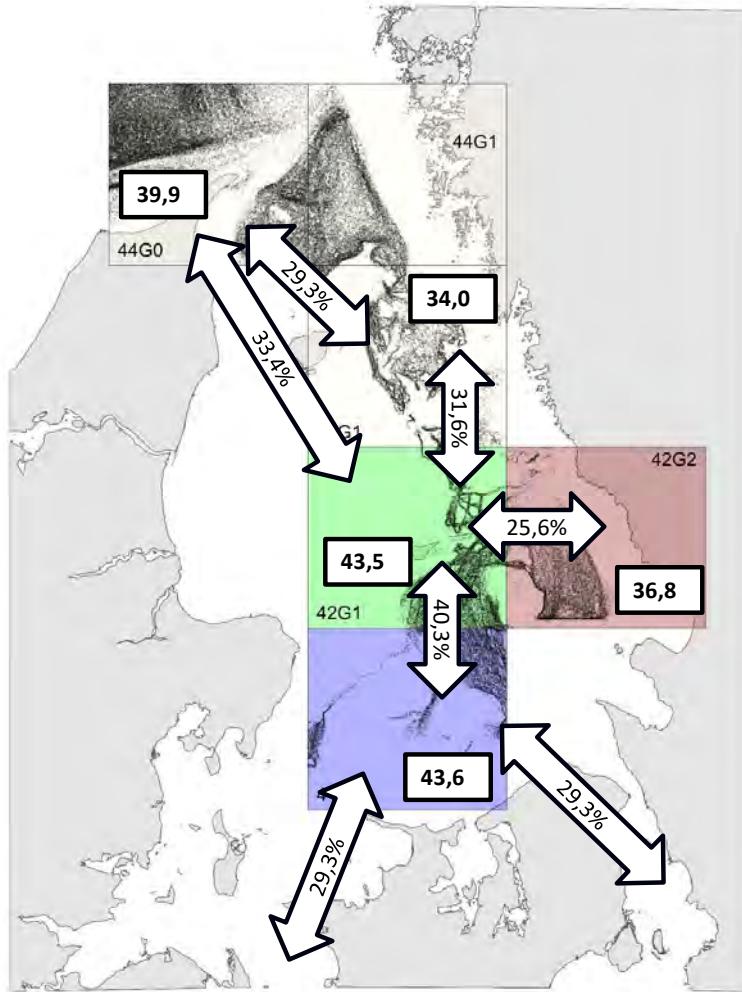
Loss of benthos biomass/kg Nephrops  
landet ~ 500 kg

Total loss of biomass Kattegat up to  
one mio. tons

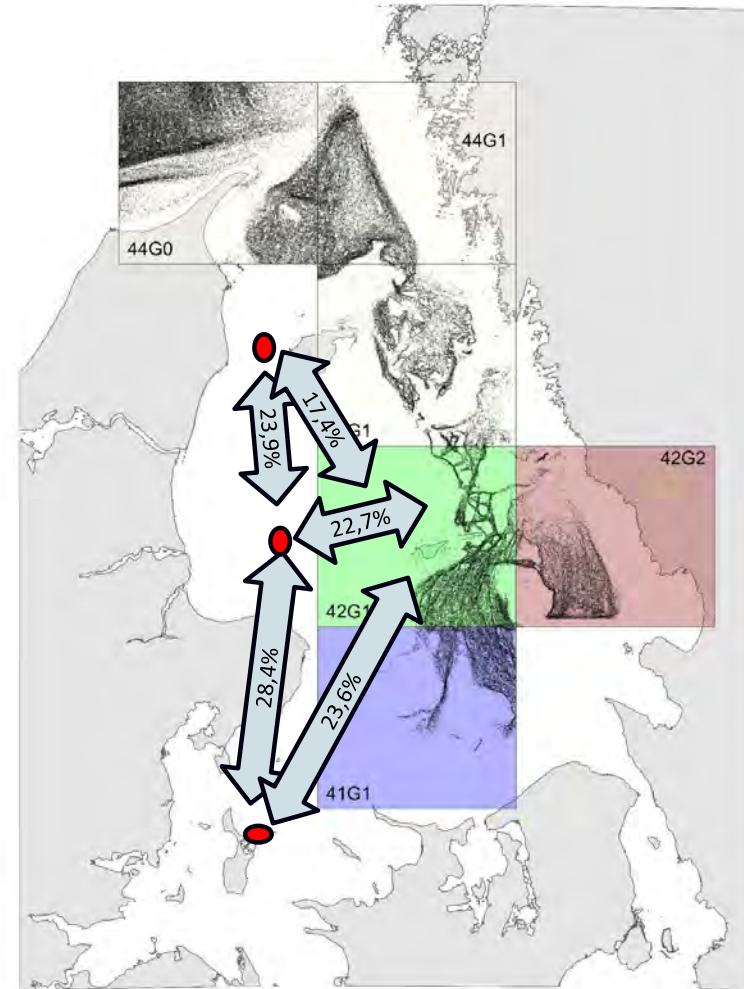
Landing per area per yr of edible parts  
(tails) : 2 kg/ha/yr

CO<sub>2</sub>eq/kg : 20-90kg



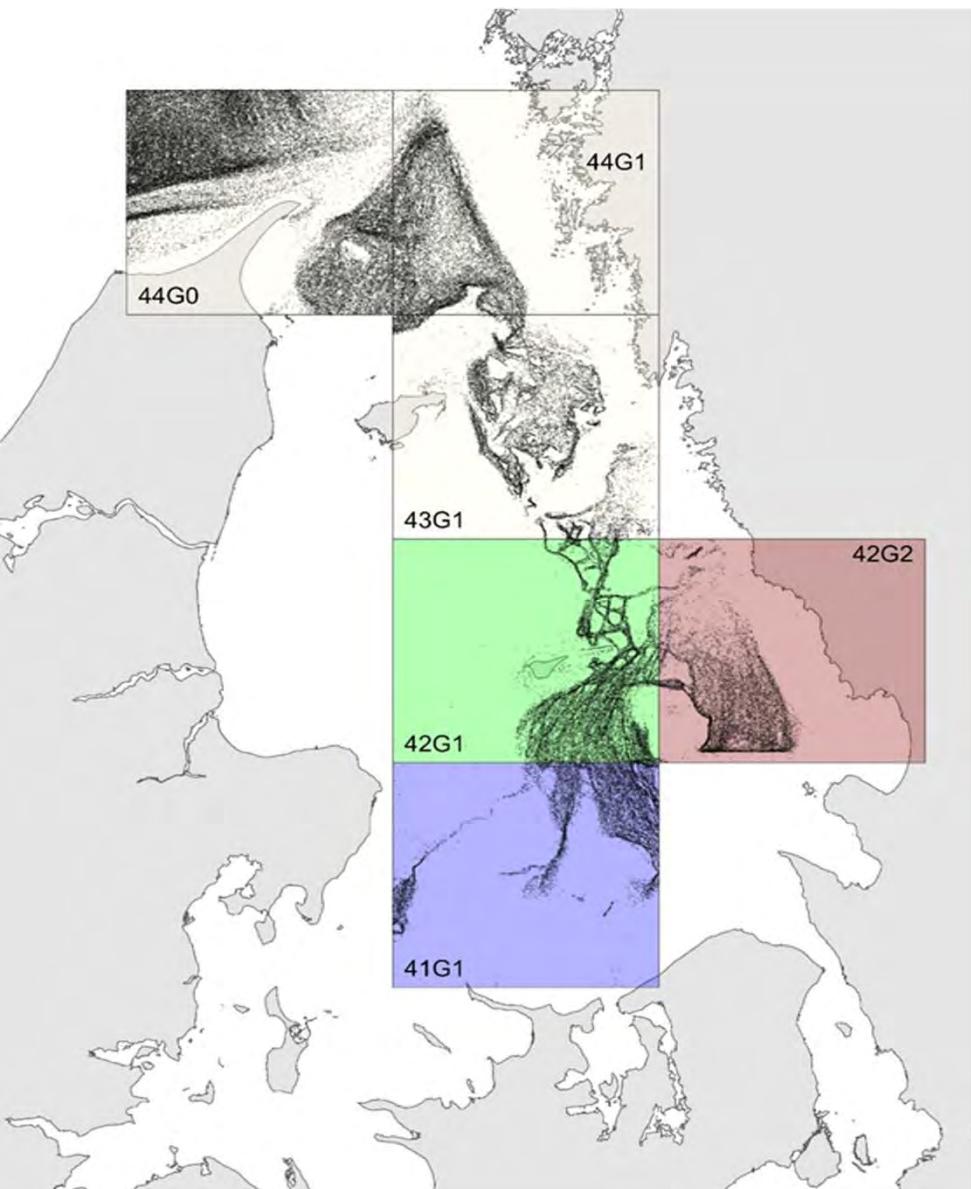


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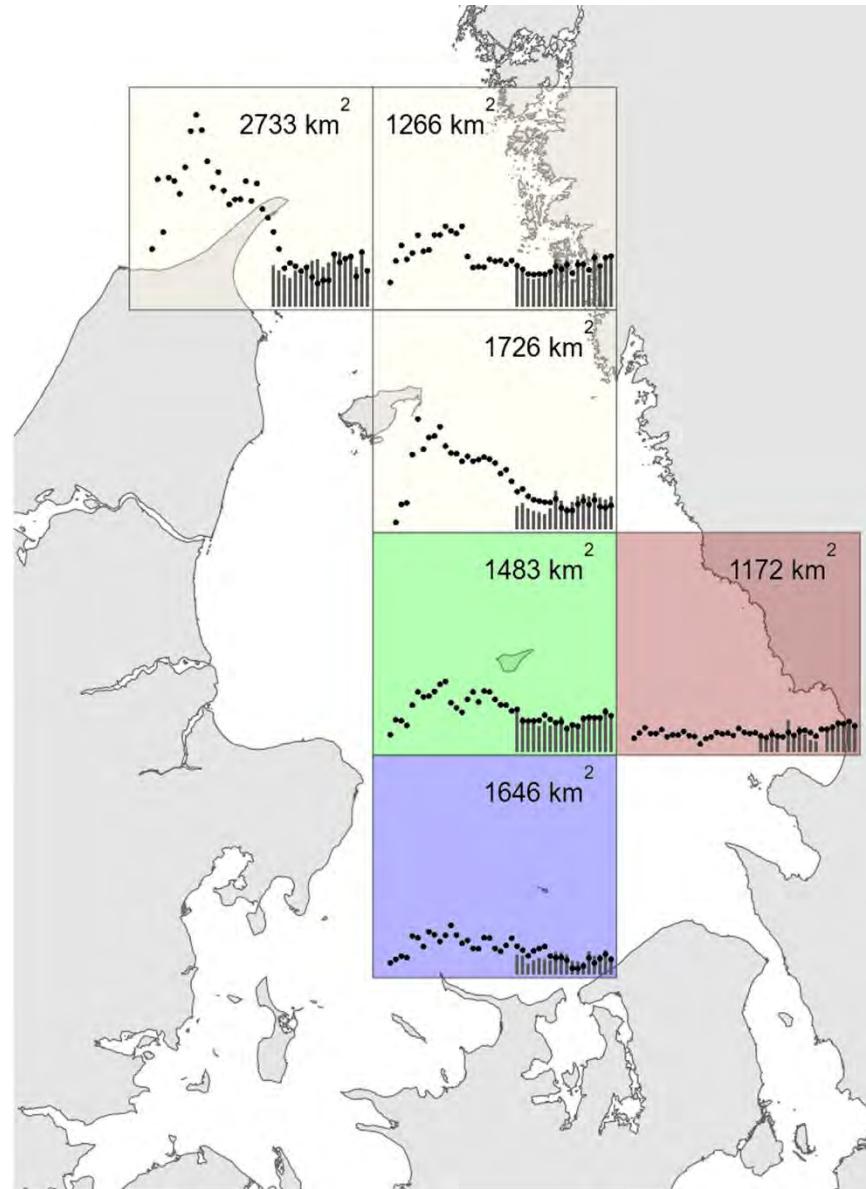
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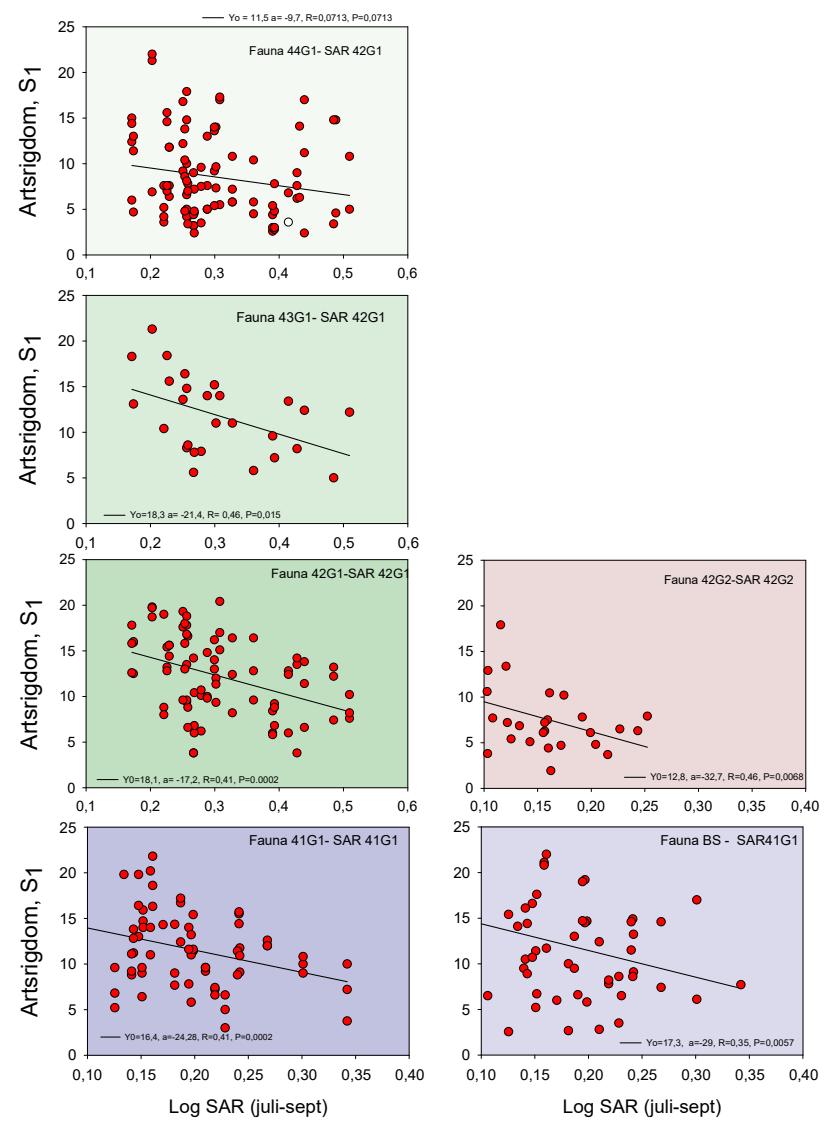
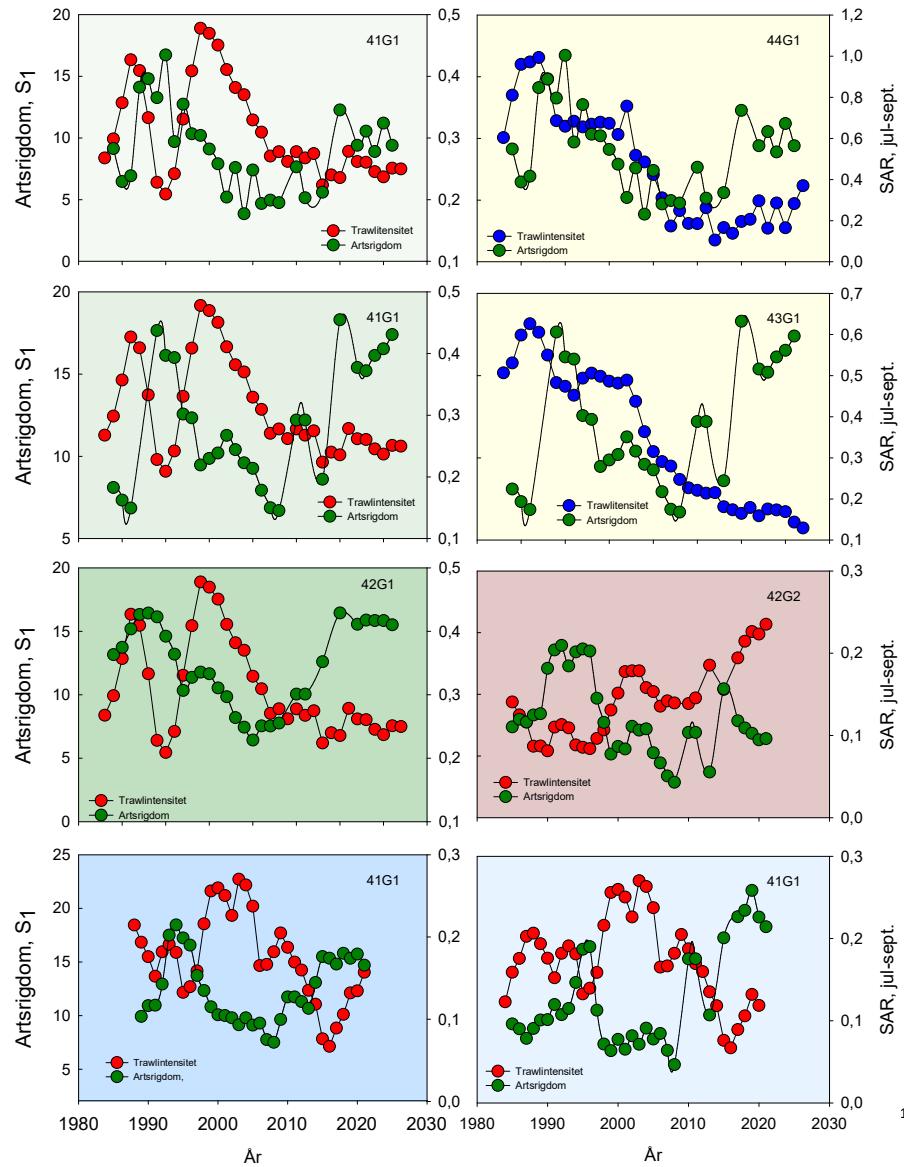


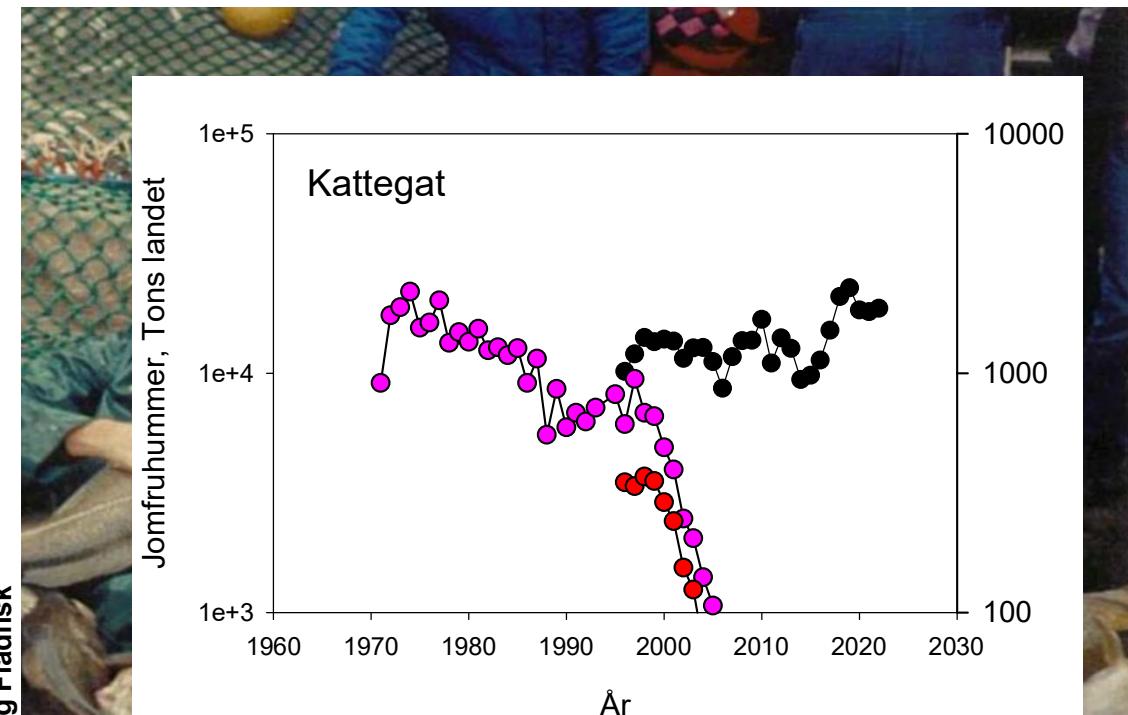
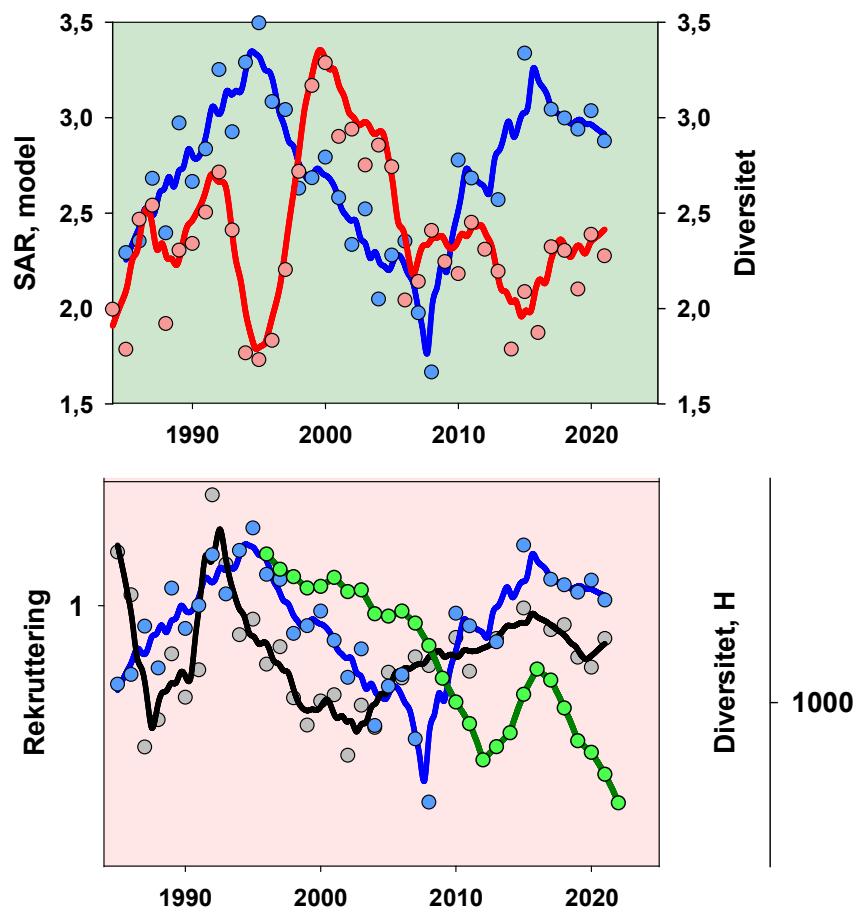


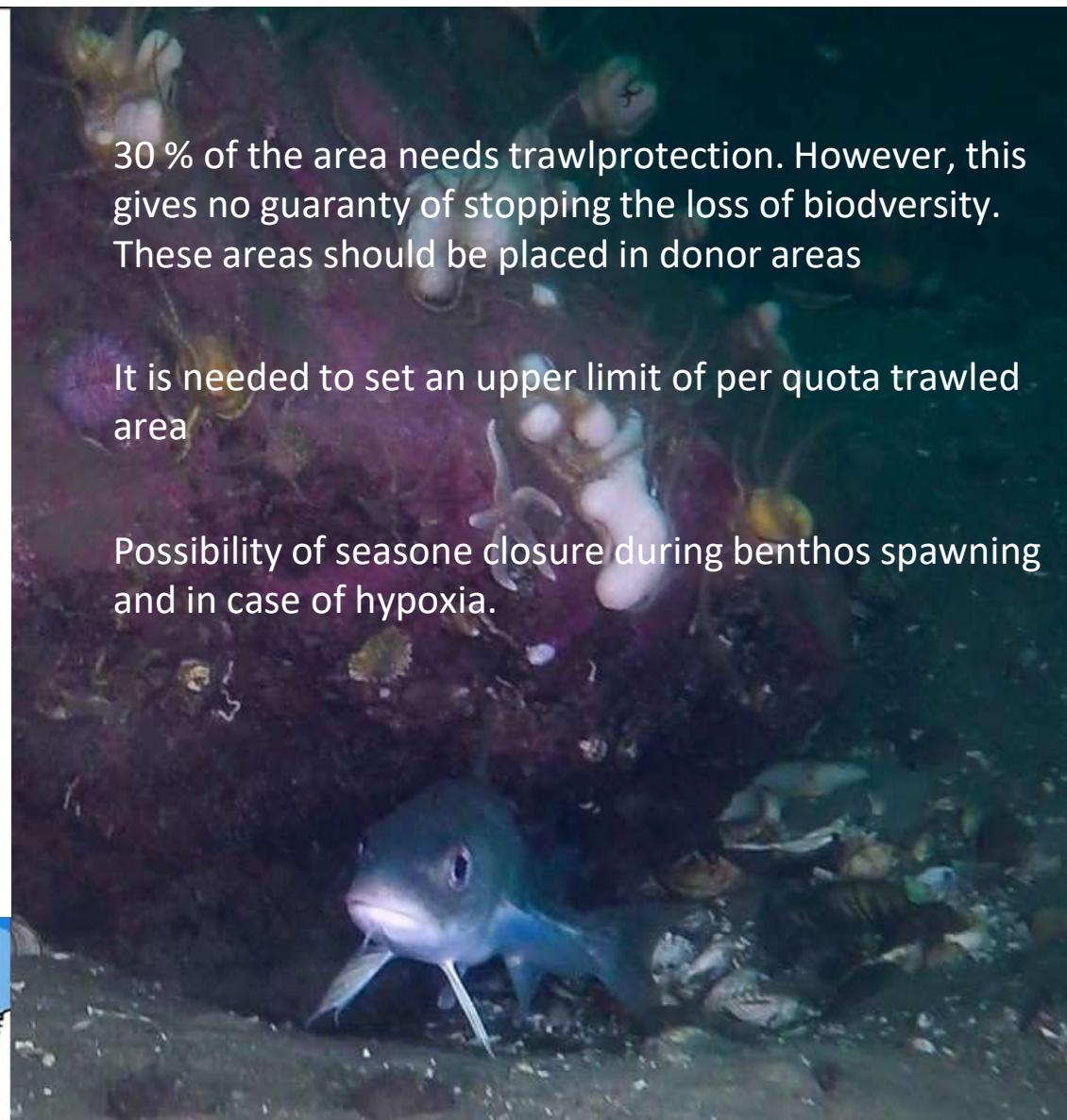
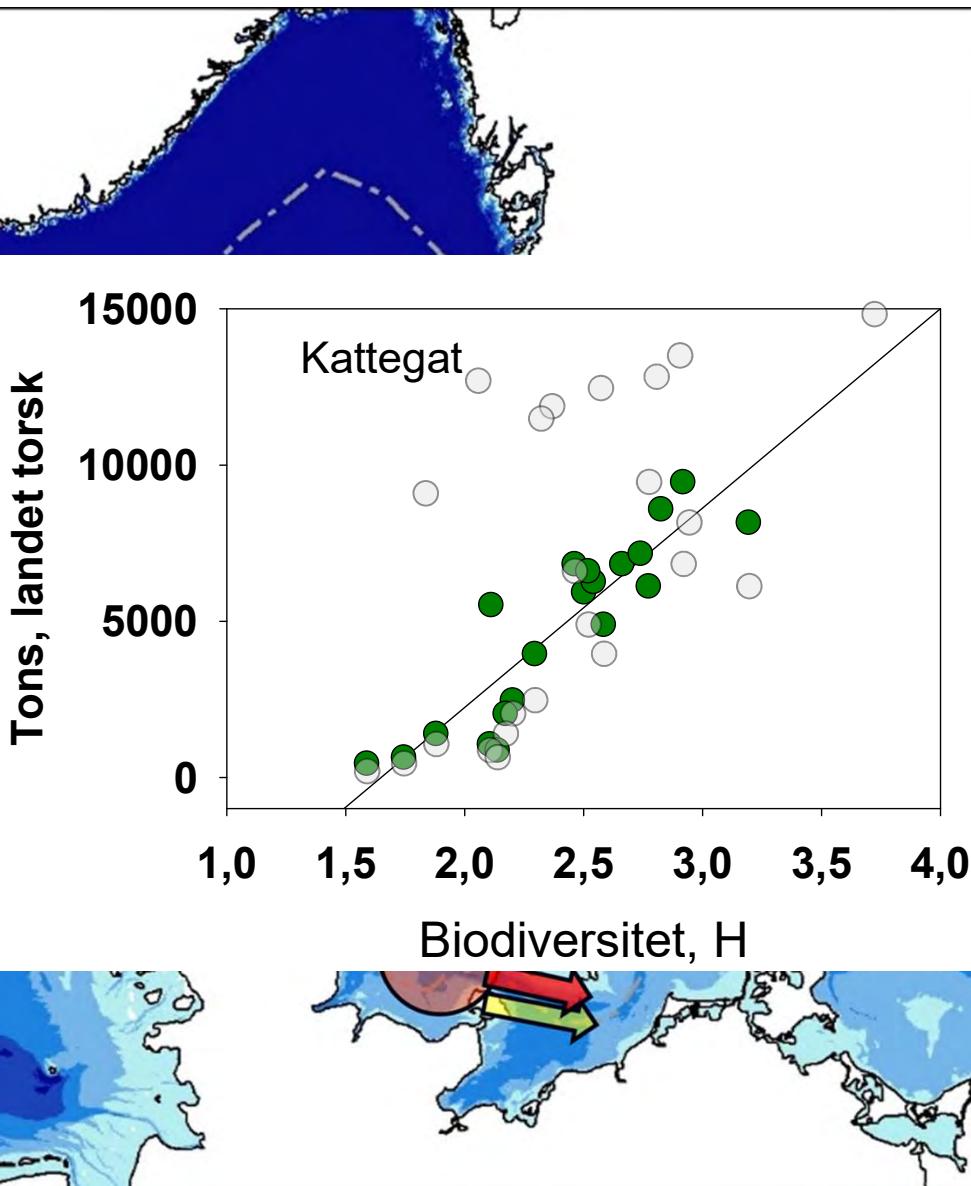
UNE 2017

JØRGEN L.S. HANSEN  
SENIOR RESEARCHER









Thanks for your attention

