

Limfjordens fiskebestand og marin naturgenopretning



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Danmarks
Tekniske
Universitet



HAV & FISK



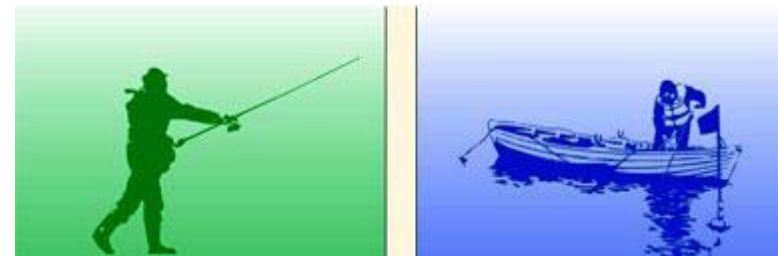
Udenrigsministeriet
Fiskeristyrelsen

Den Europæiske Union

Den Europæiske Hav-
og Fiskerifond



Vi investerer i hav og fisk



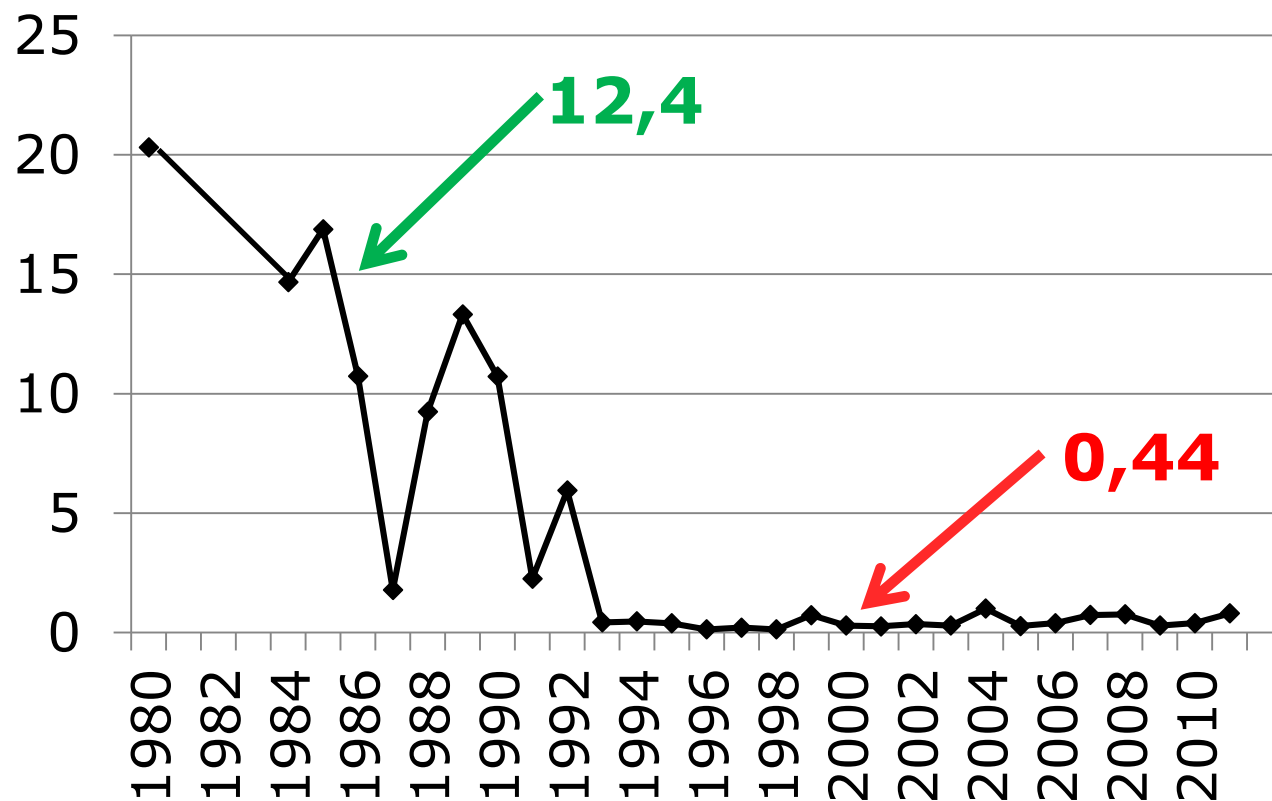
THE VELUX FOUNDATIONS

VILLUM FONDEN  VELUX FONDEN

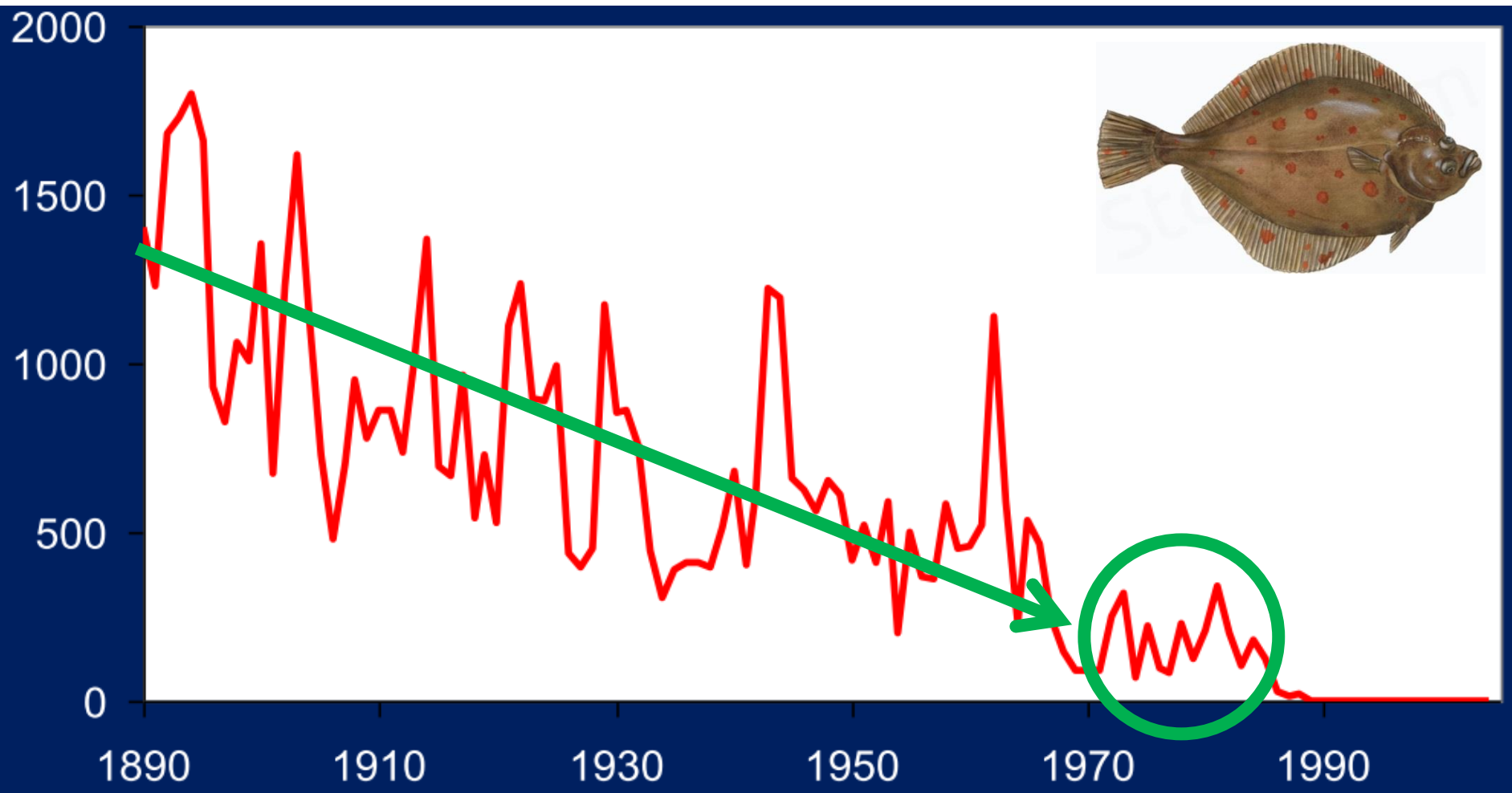


Videnskabelig trawl-monitering 1980 – 2012

Bundnære fisk fanget ved 30 min trawling



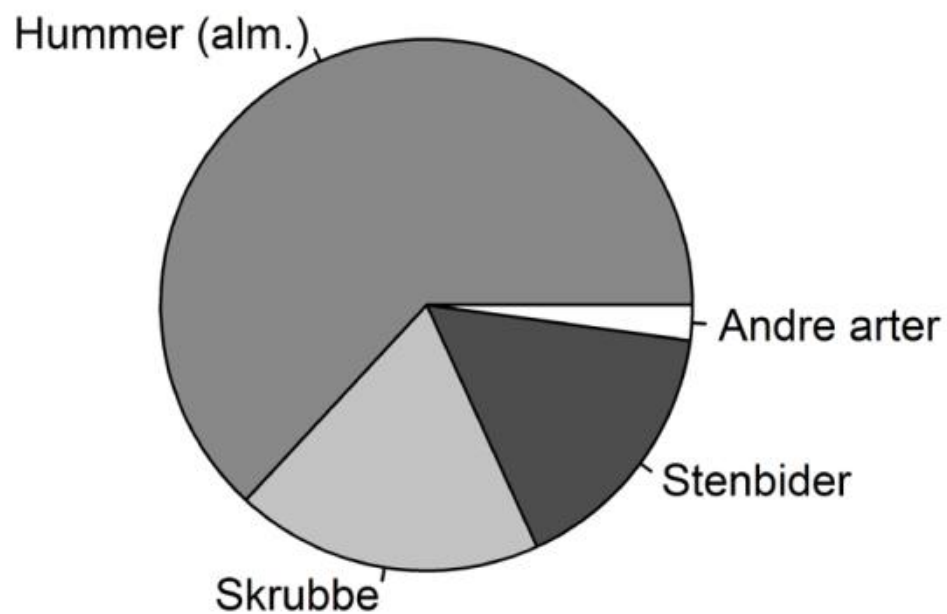
Lander (tons)



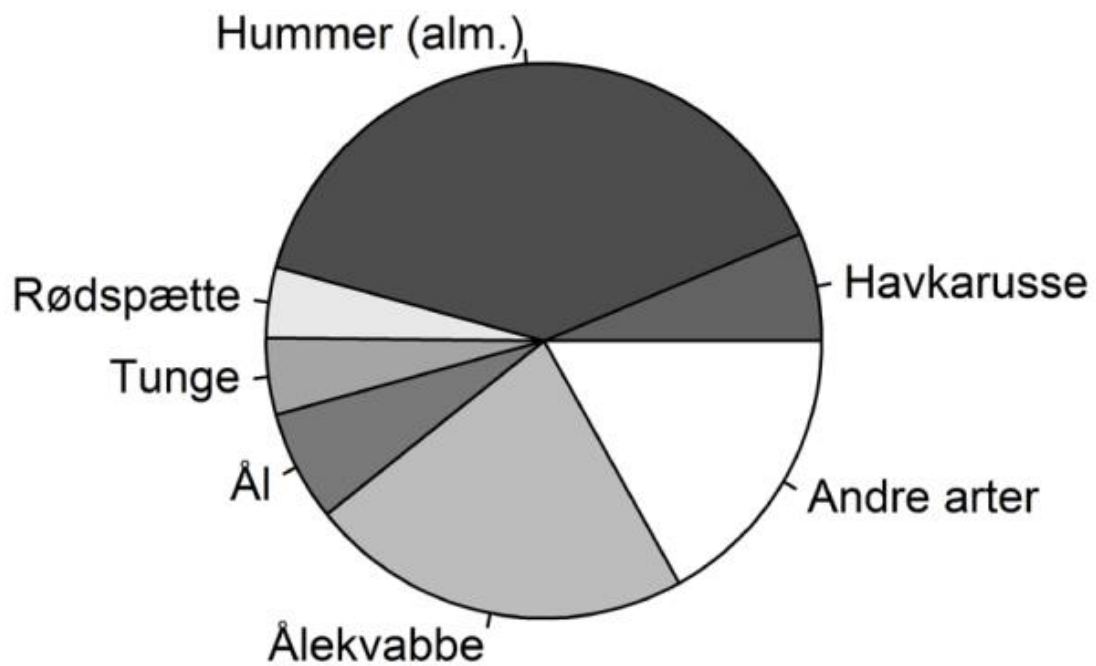
Nøglefiskere



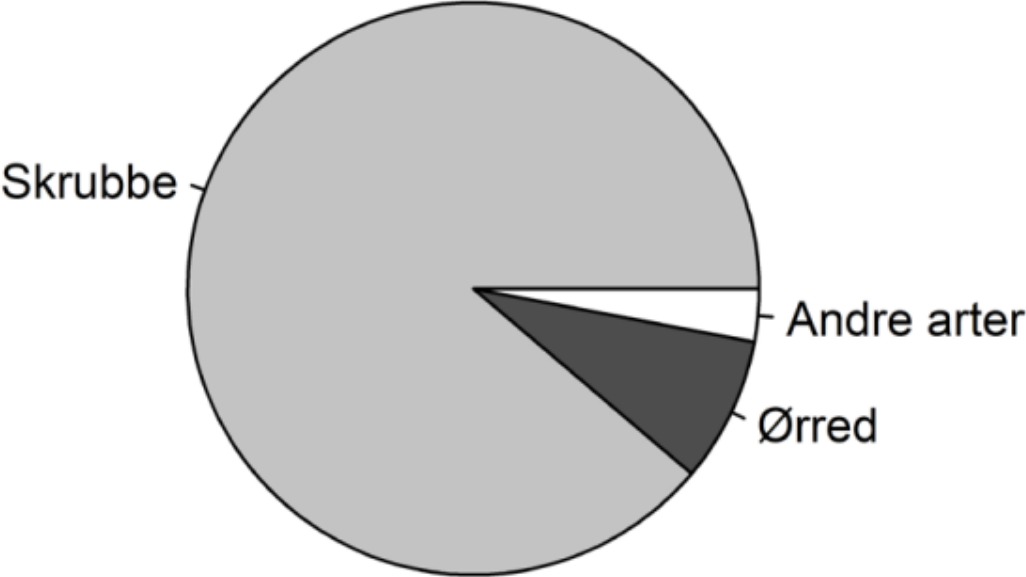
Vestlige Limfjord: Garn



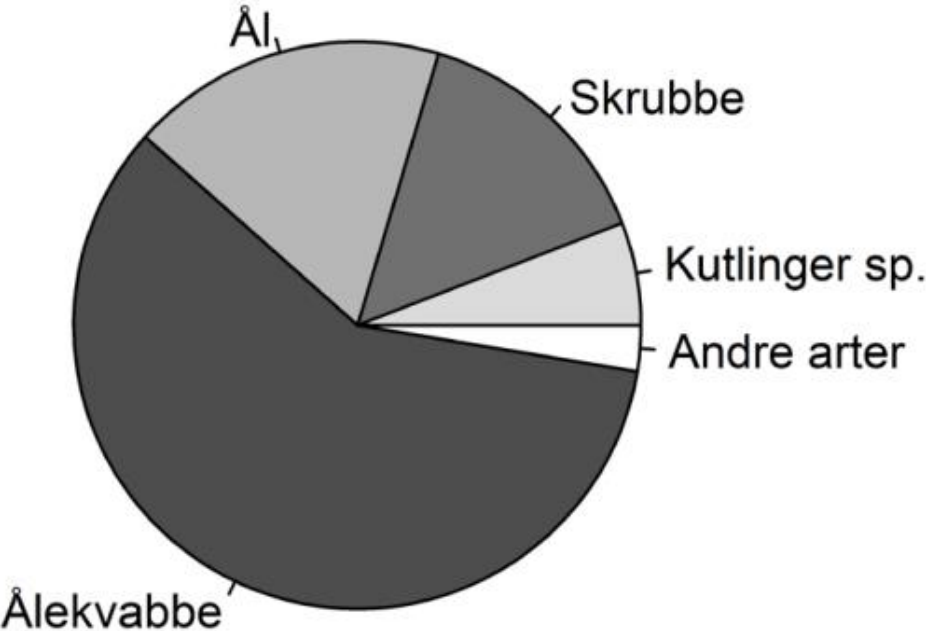
Ruse



Østlige Limfjord: Garn

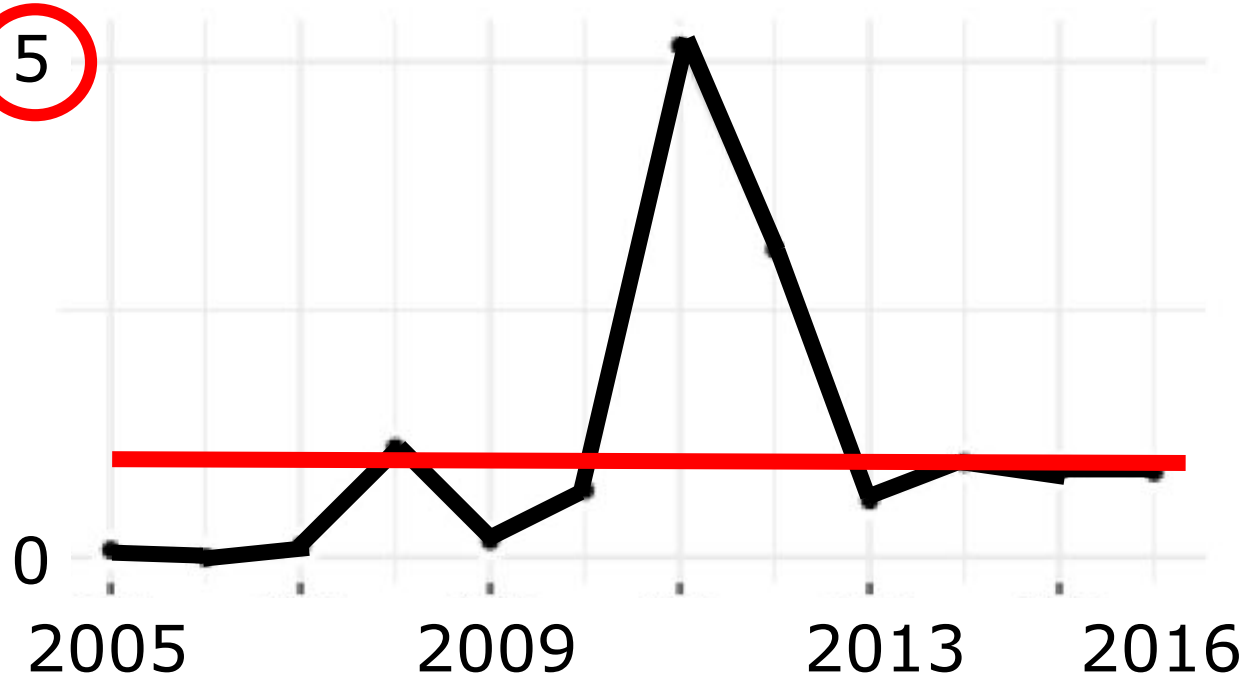


Ruse

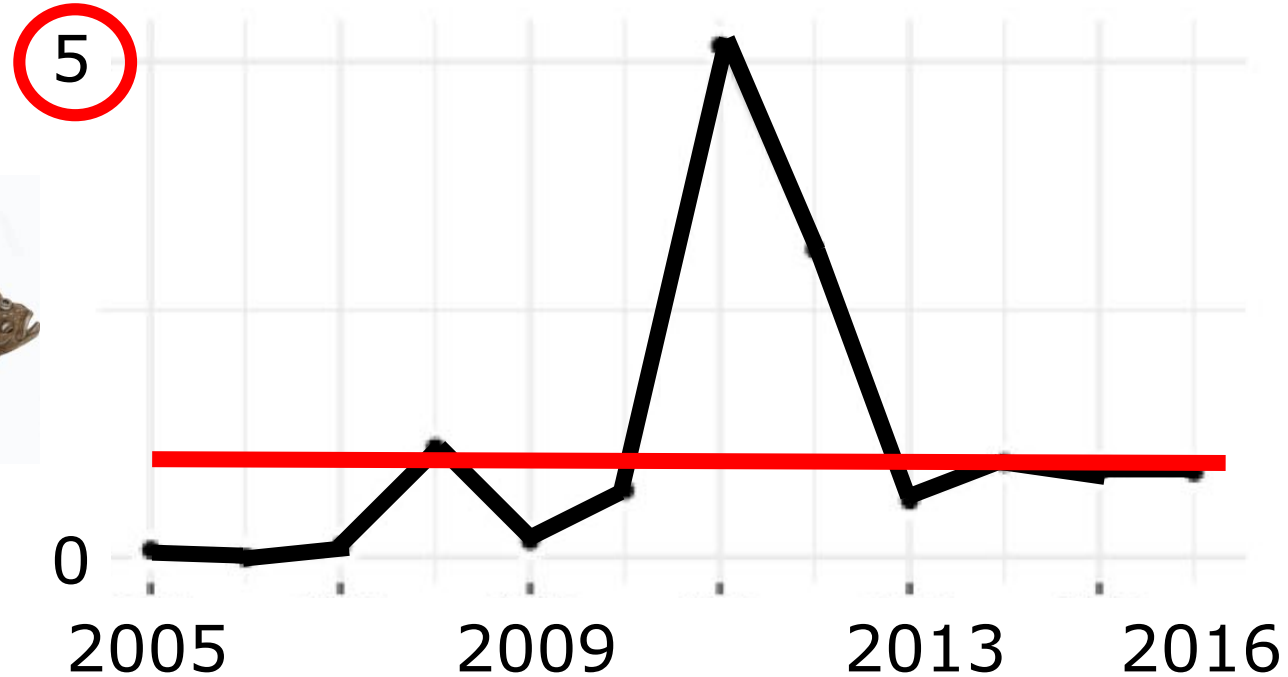


Skive Fjord &
Lovns Bredning:

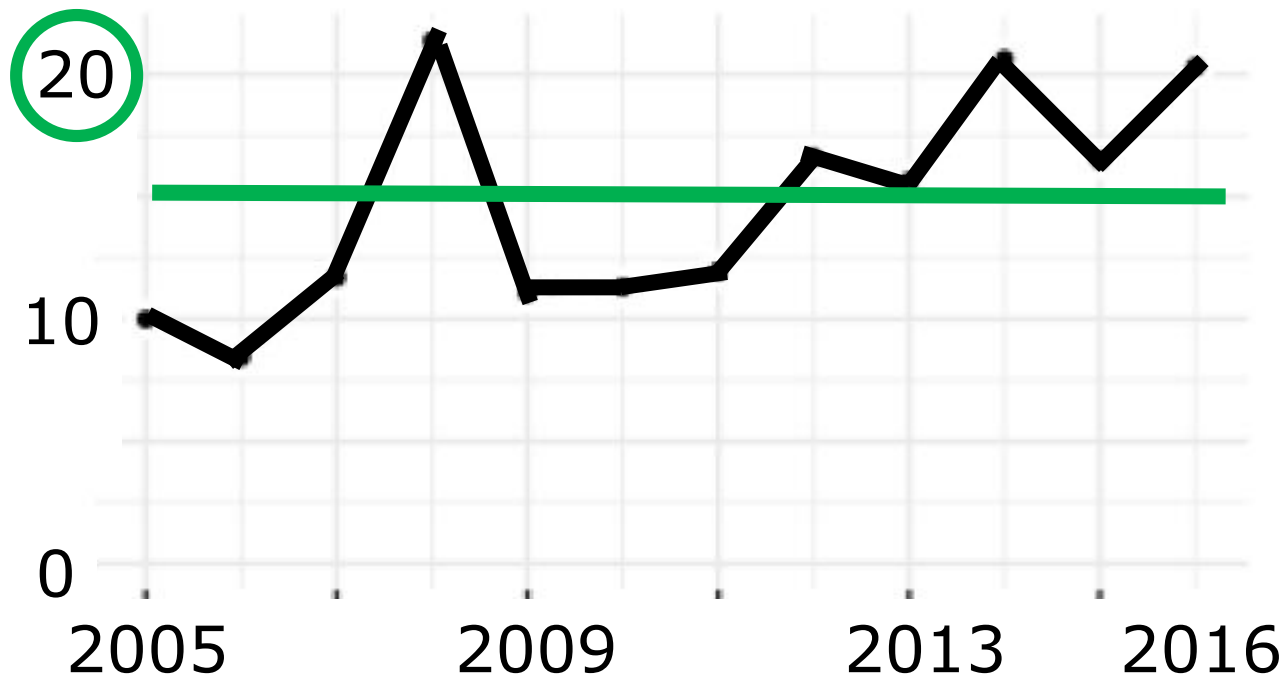
5



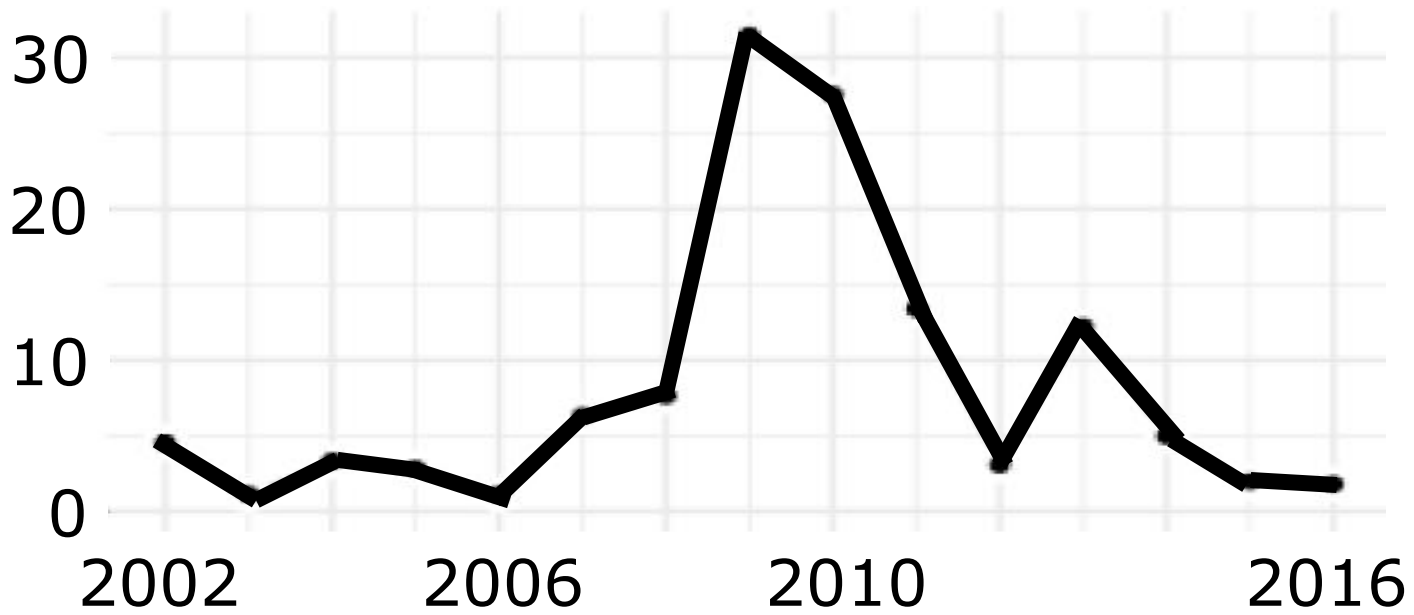
Skive Fjord &
Lovns Bredning:



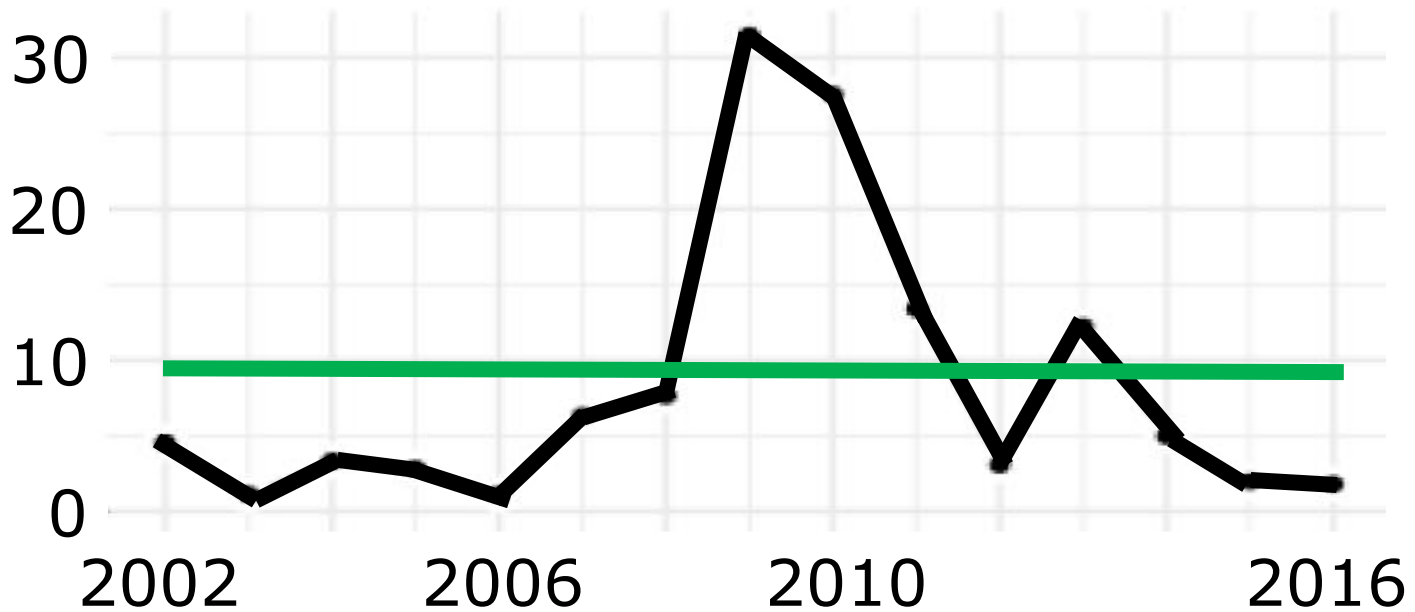
Roskilde Fjord &
Isefjord:



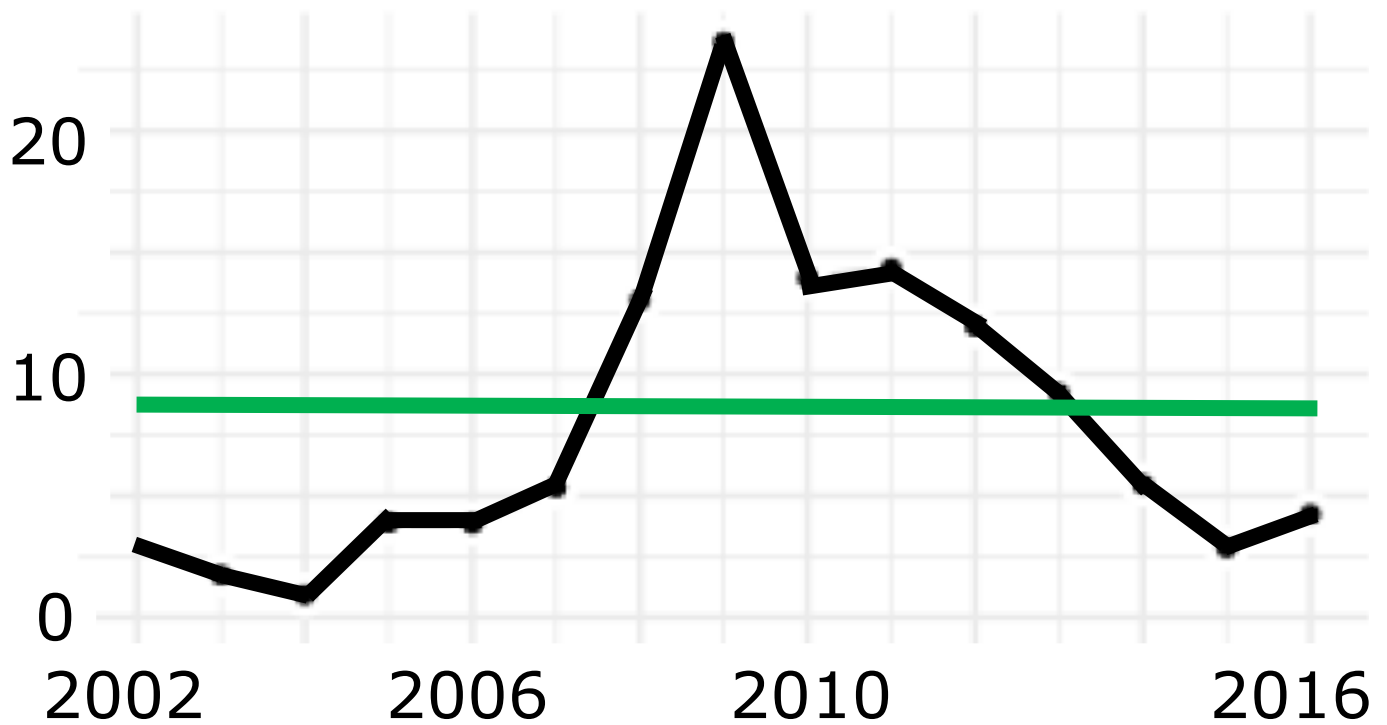
Skive Fjord &
Lovns Bredning:



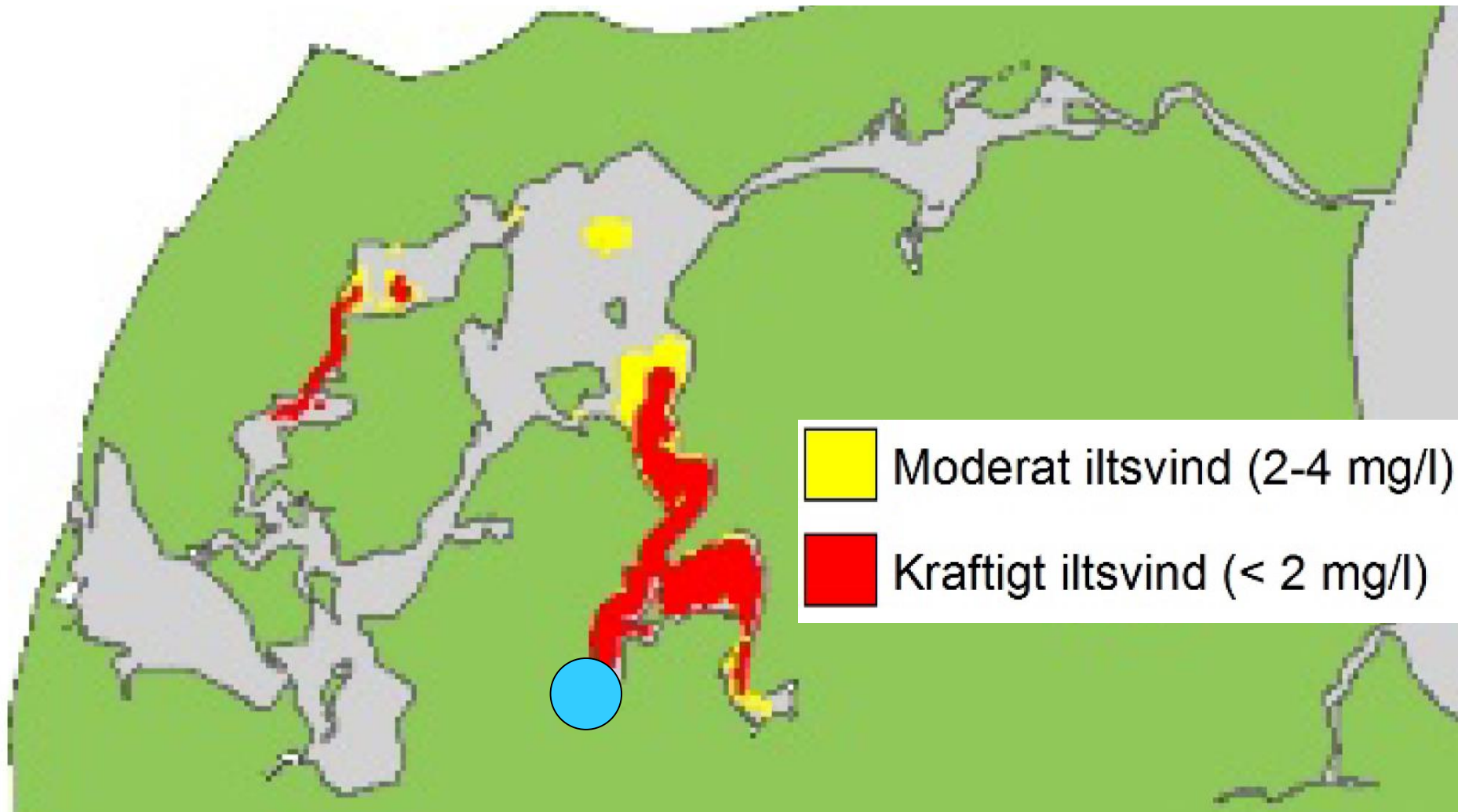
Skive Fjord &
Lovns Bredning:



Roskilde Fjord &
Isefjord:



Iltforhold





Novana 2016

Makro alger (tang) og ålegræs:



Hvorfor er ålegræs og makro alger vigtige?

Fiskeri: Skjul til fisk
 Føde til fisk

Kystbeskyttelse

Stabiliserer sediment

Øger biodiversiteten

Gør vandet mere klart

Mindre risiko for sygdom



Hvorfor er ålegræs og makro alger vigtige?

Fiskeri-værdi: 11.000 kr. / ha / år

Fiskeri: Skjul til fisk
 Føde til fisk

+ Vegetation

- Vegetation



Jeffres *et al.*, 2008

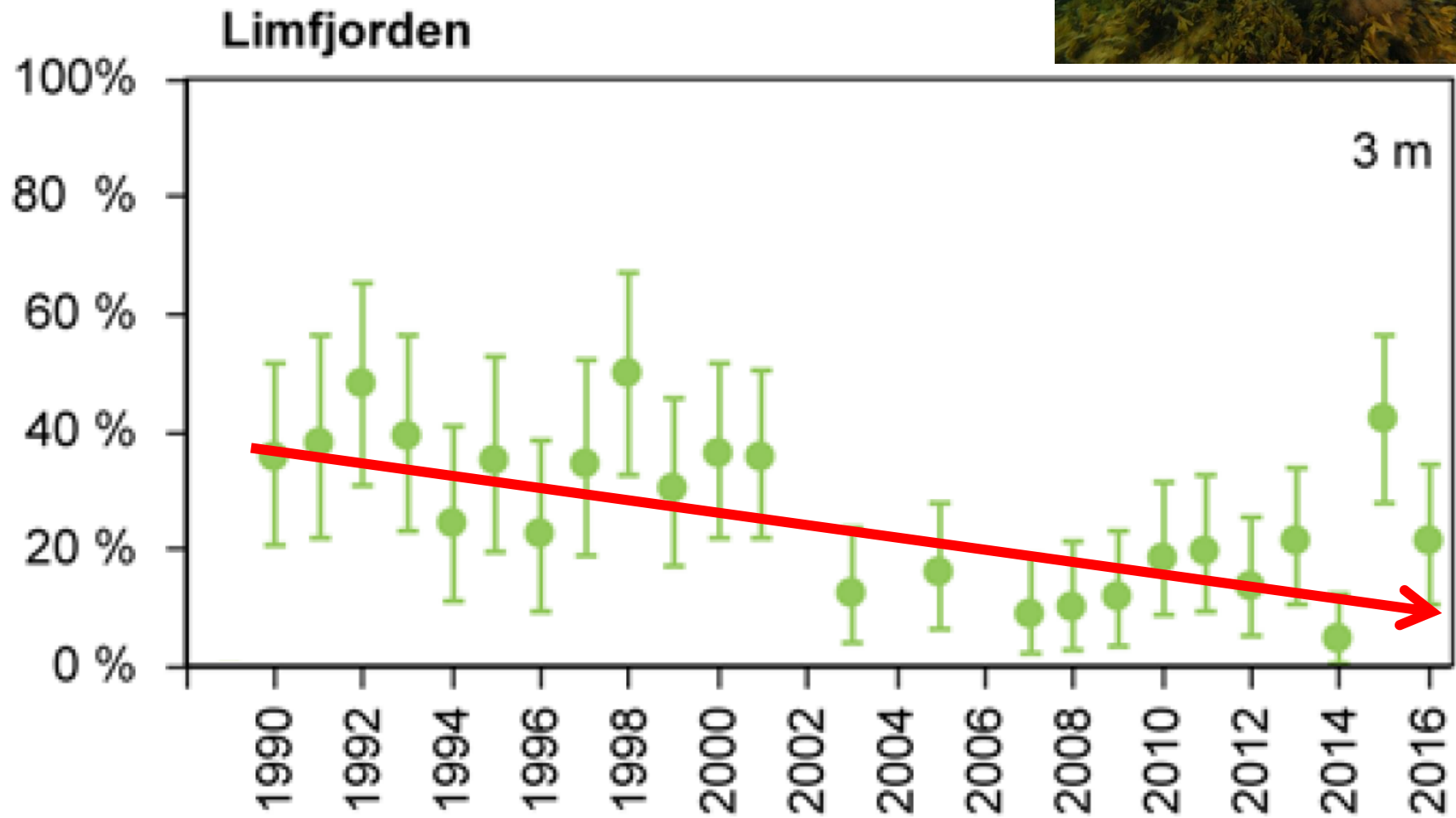


Moksnes *et al.*, 2016

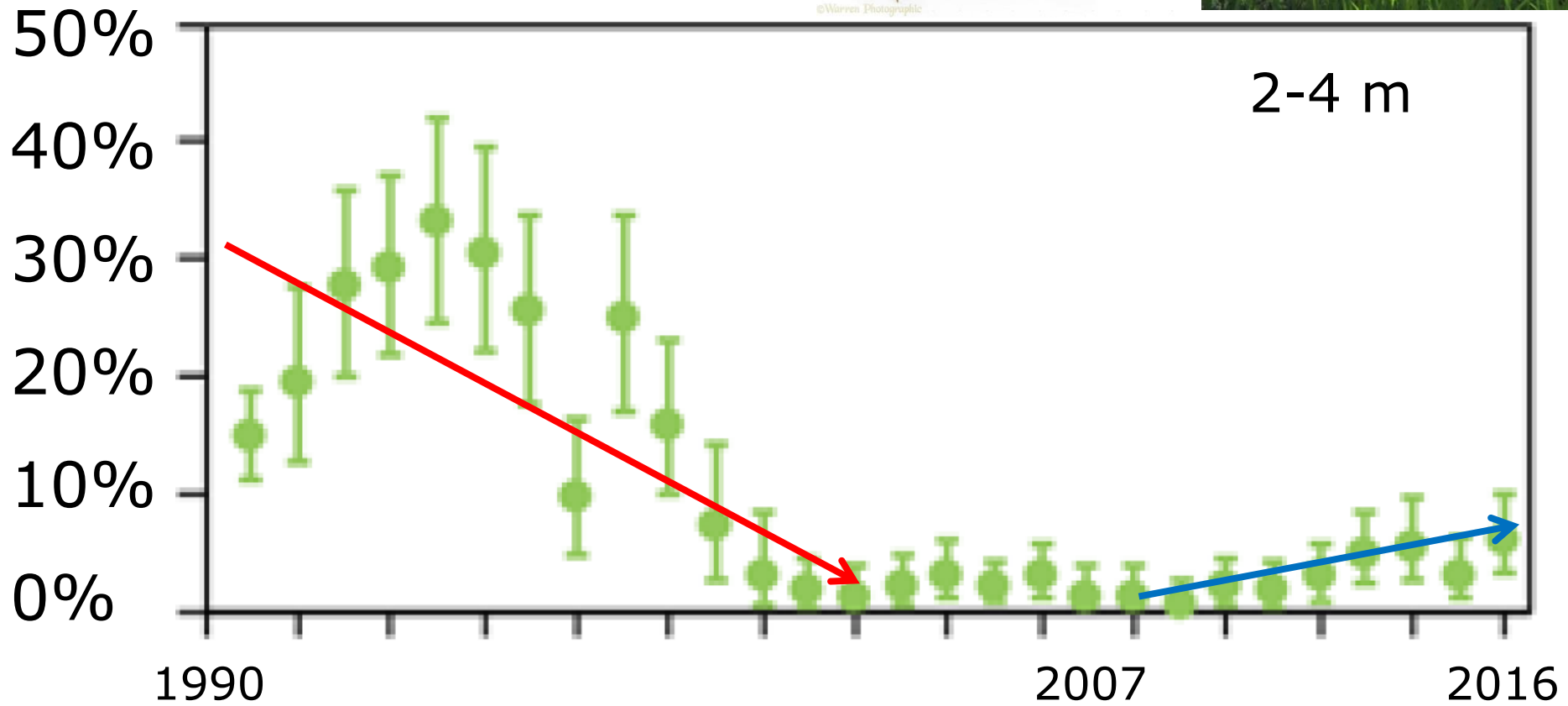
Makro alger (tang):



Dækning på stenrev (%)



Ålegræs dækning



Fjernelse af næringsstoffer Hvordan?

Marine Virkemidler

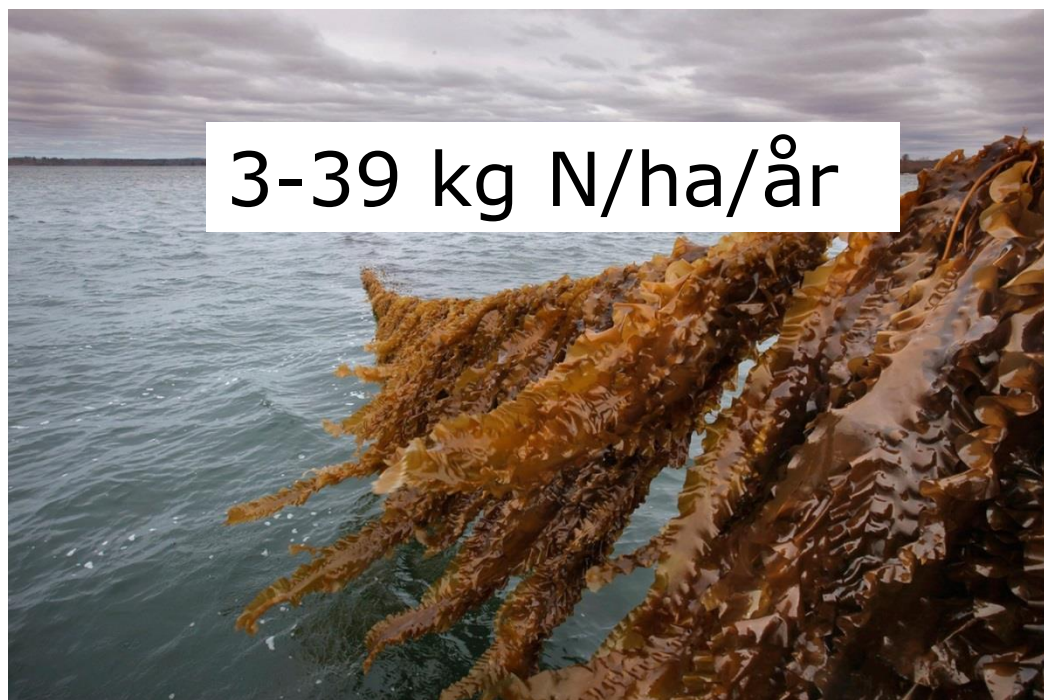
Beskrivelse af virkemidlernes effekter og status for vidensgrundlag



Fjernelse af næringsstoffer



600-900 kg N/ha/år



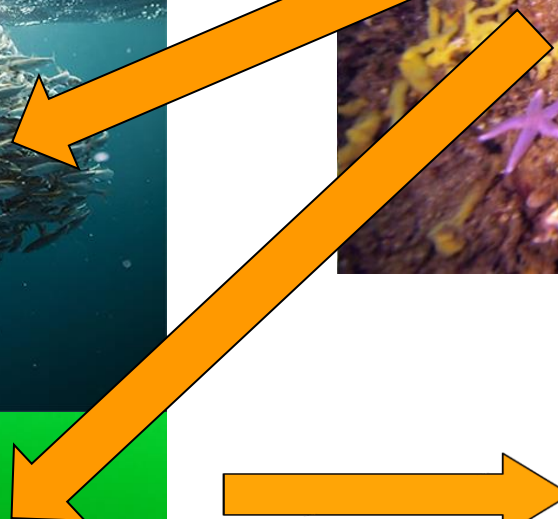
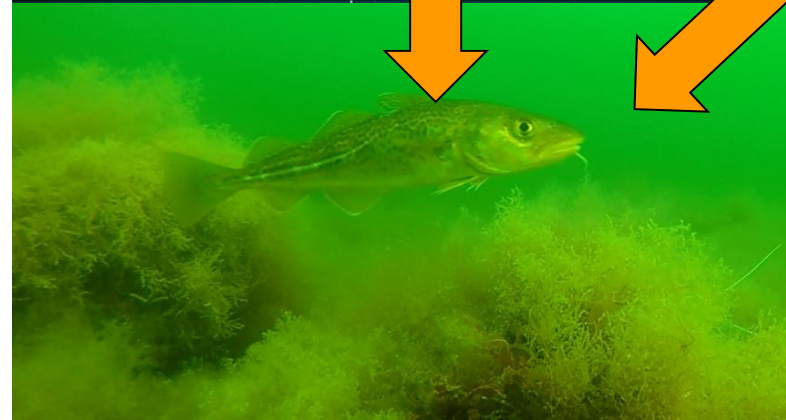
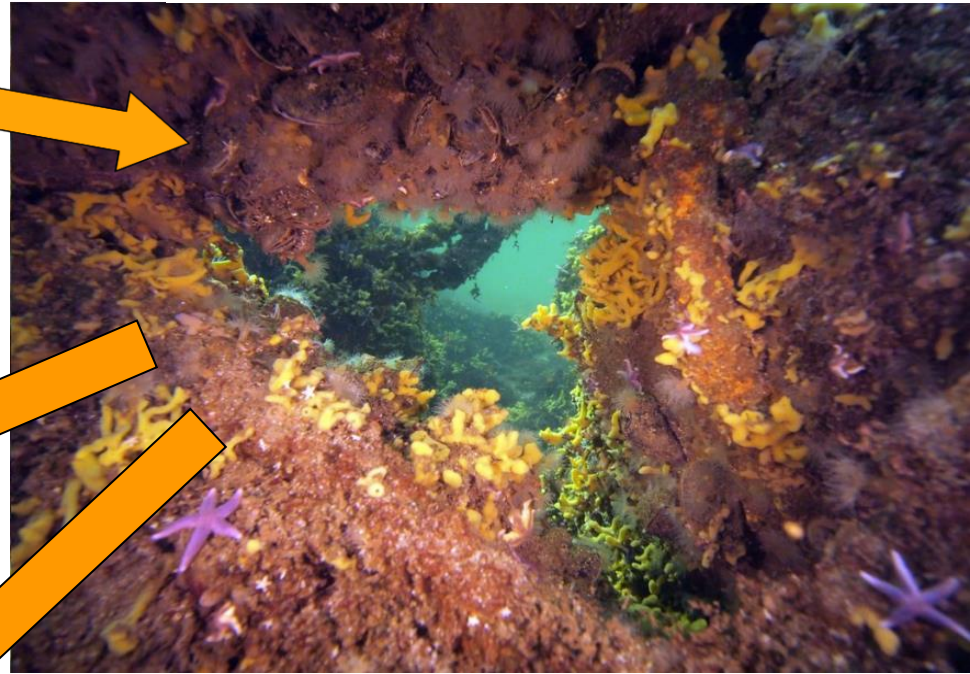
3-39 kg N/ha/år

Restaurering af stenrev



Rev-restaurering

Forventede effekter



Gen-etablering af ålegræs



Photos: Mogens Flindt/Troels Lange/Nele Wendländer

Problemer:



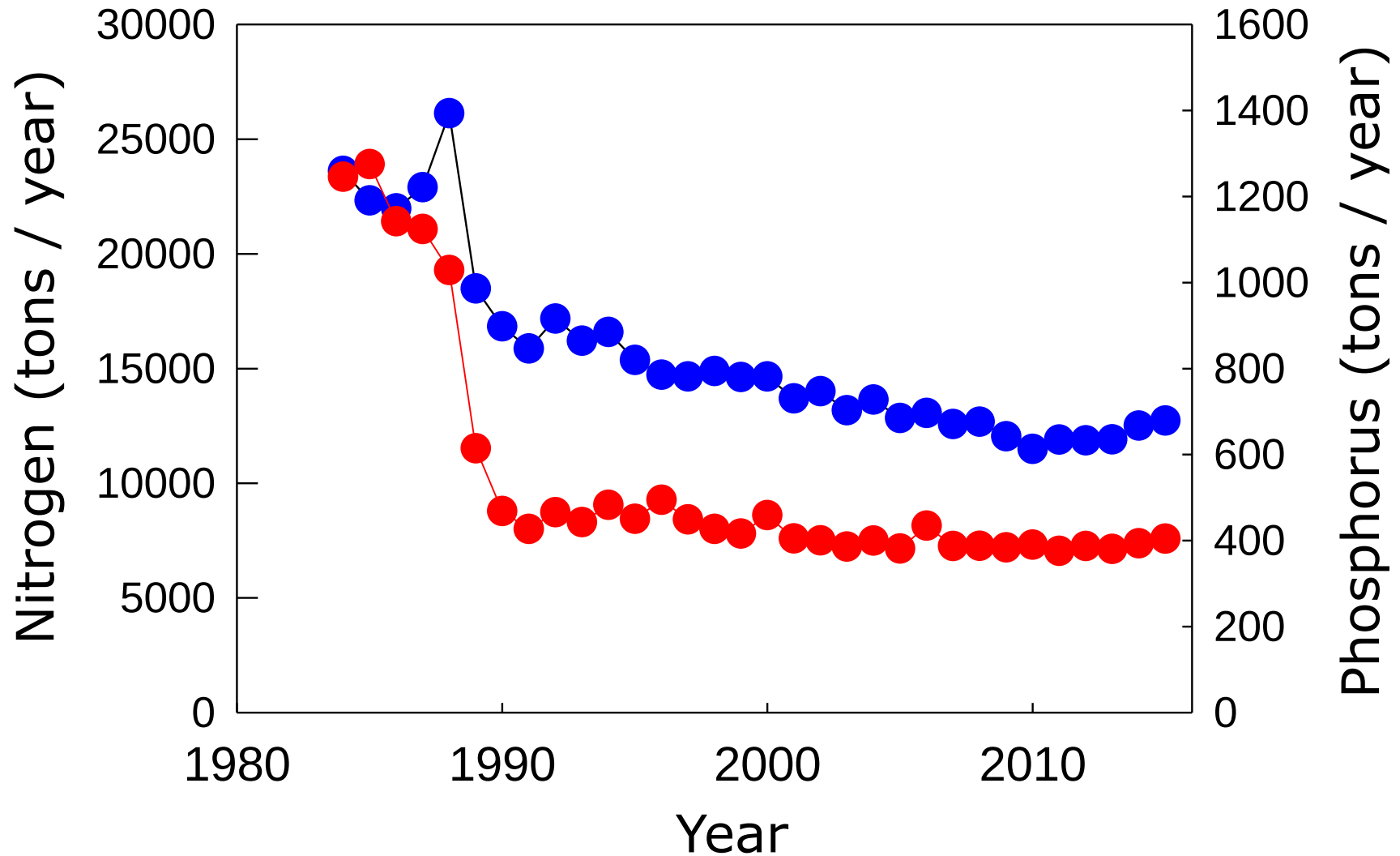
Delvis løsning: Reducere næringsstoffer

Hvordan?



Nutrients are a major problem

How are nutrient releases developing?

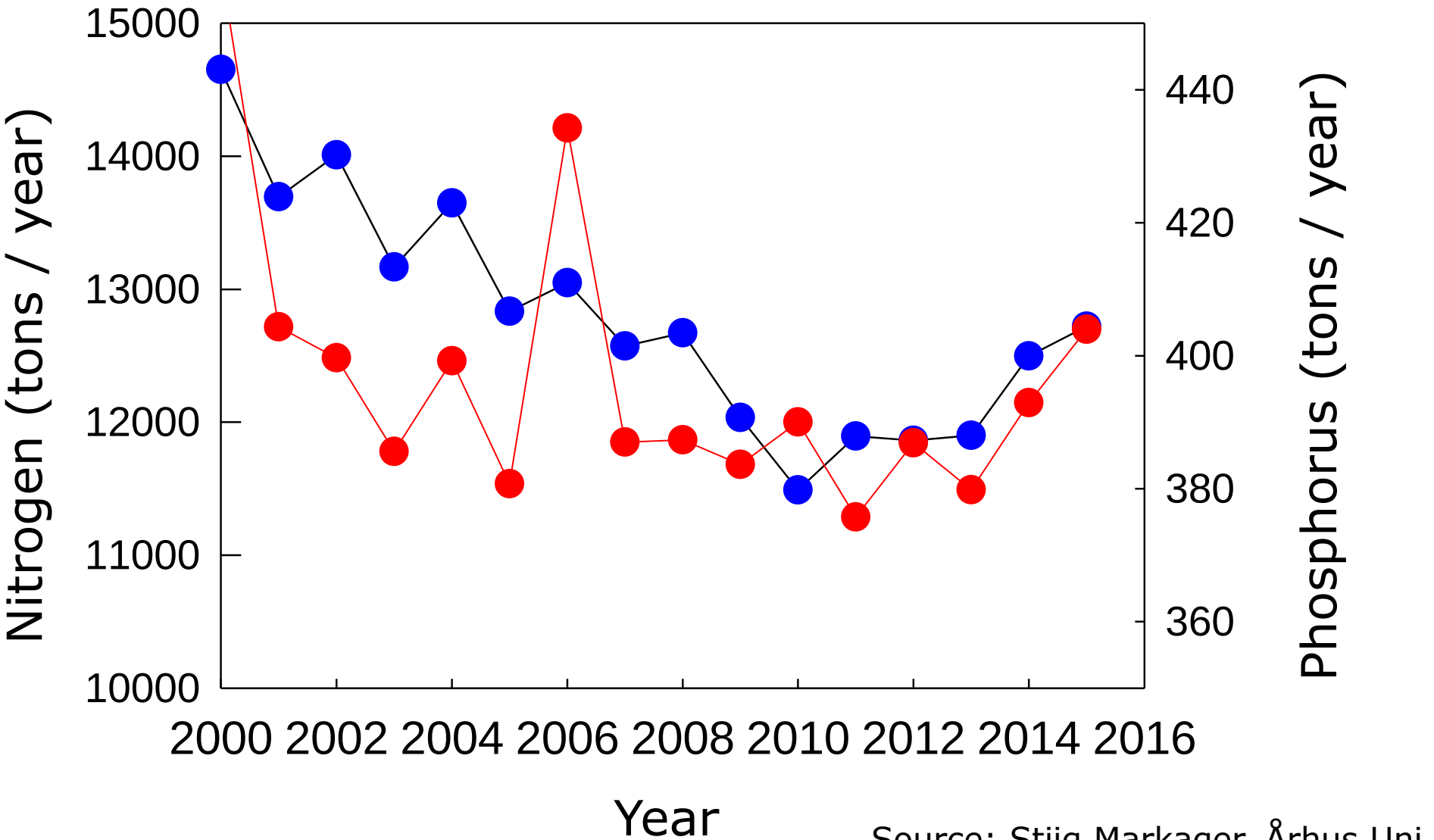


Source: Stiig Markager, Århus Uni.



Severe hypoxia is a big problem

Nutrients 2000 - 2016



Source: Stiig Markager, Århus Uni.