



# Effects of bottom trawling on seafloor integrity in the Baltic Sea

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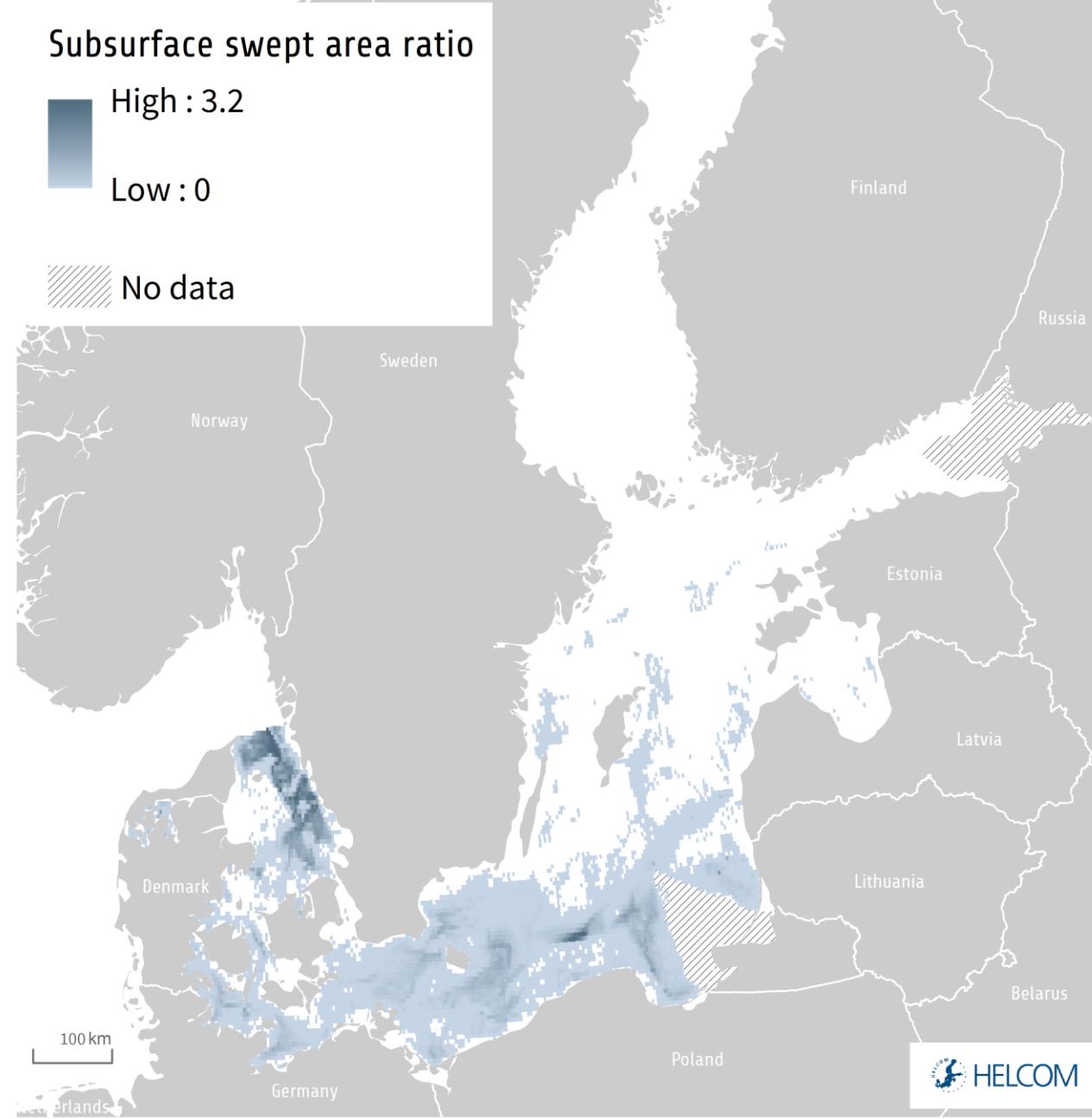
## Seafloor integrity

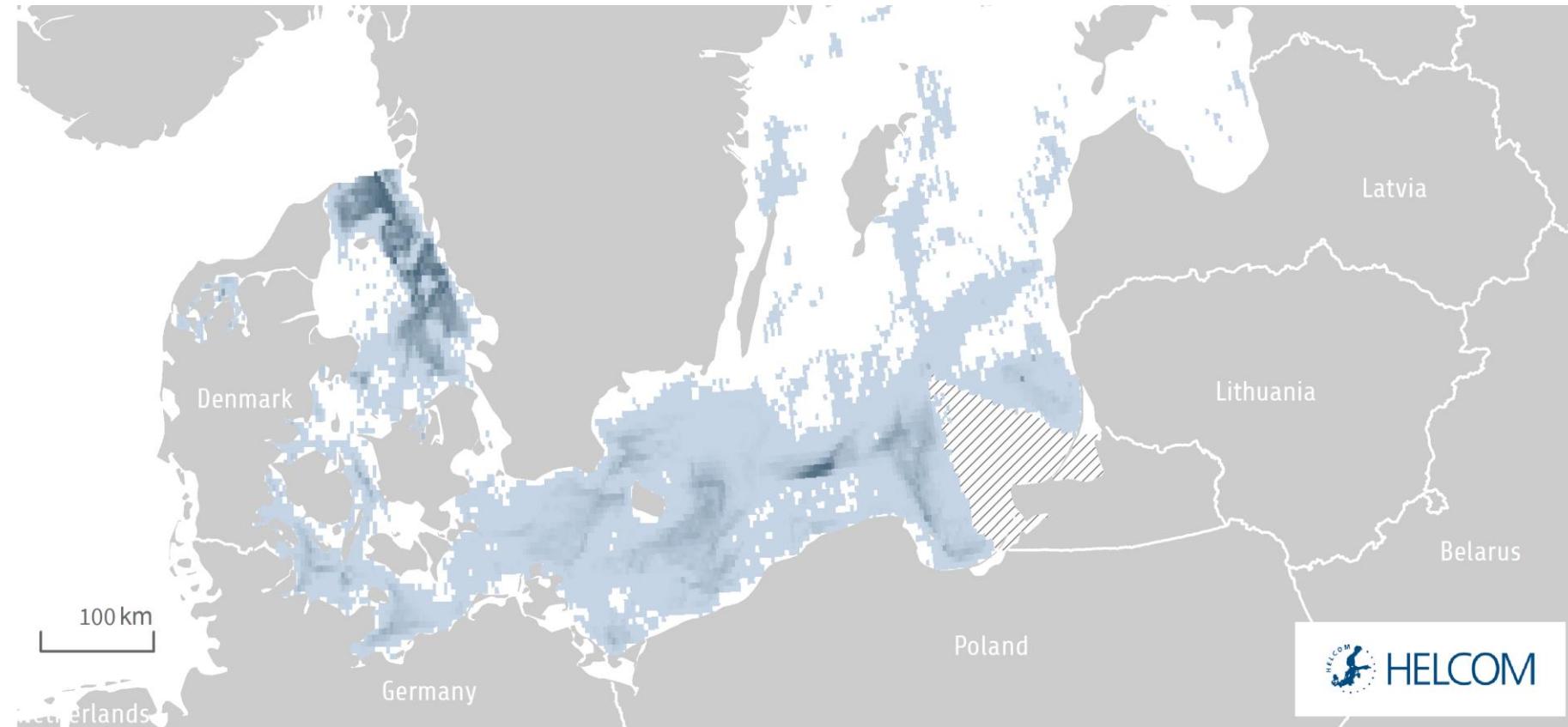


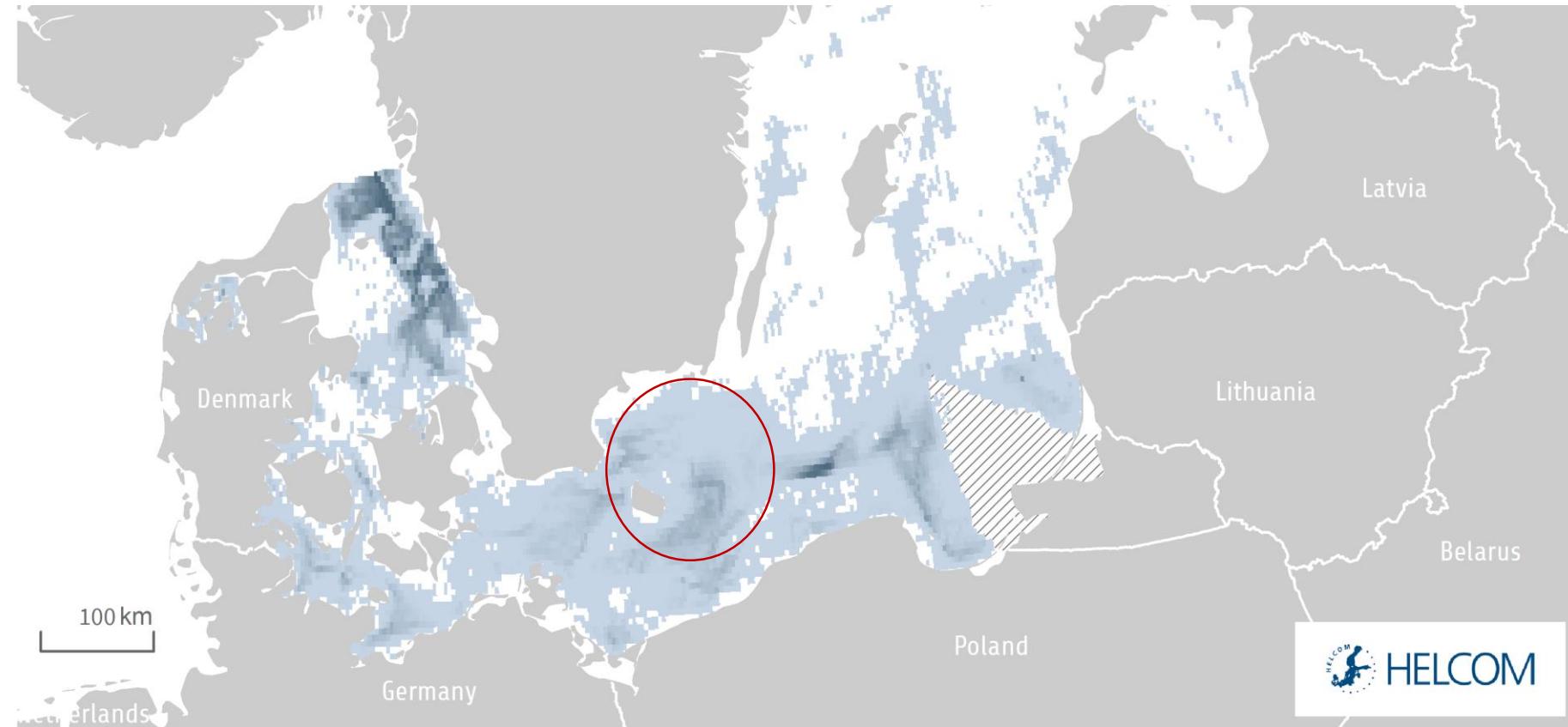
Photos: Göransson, PAG

## Structure and function of benthic ecosystems

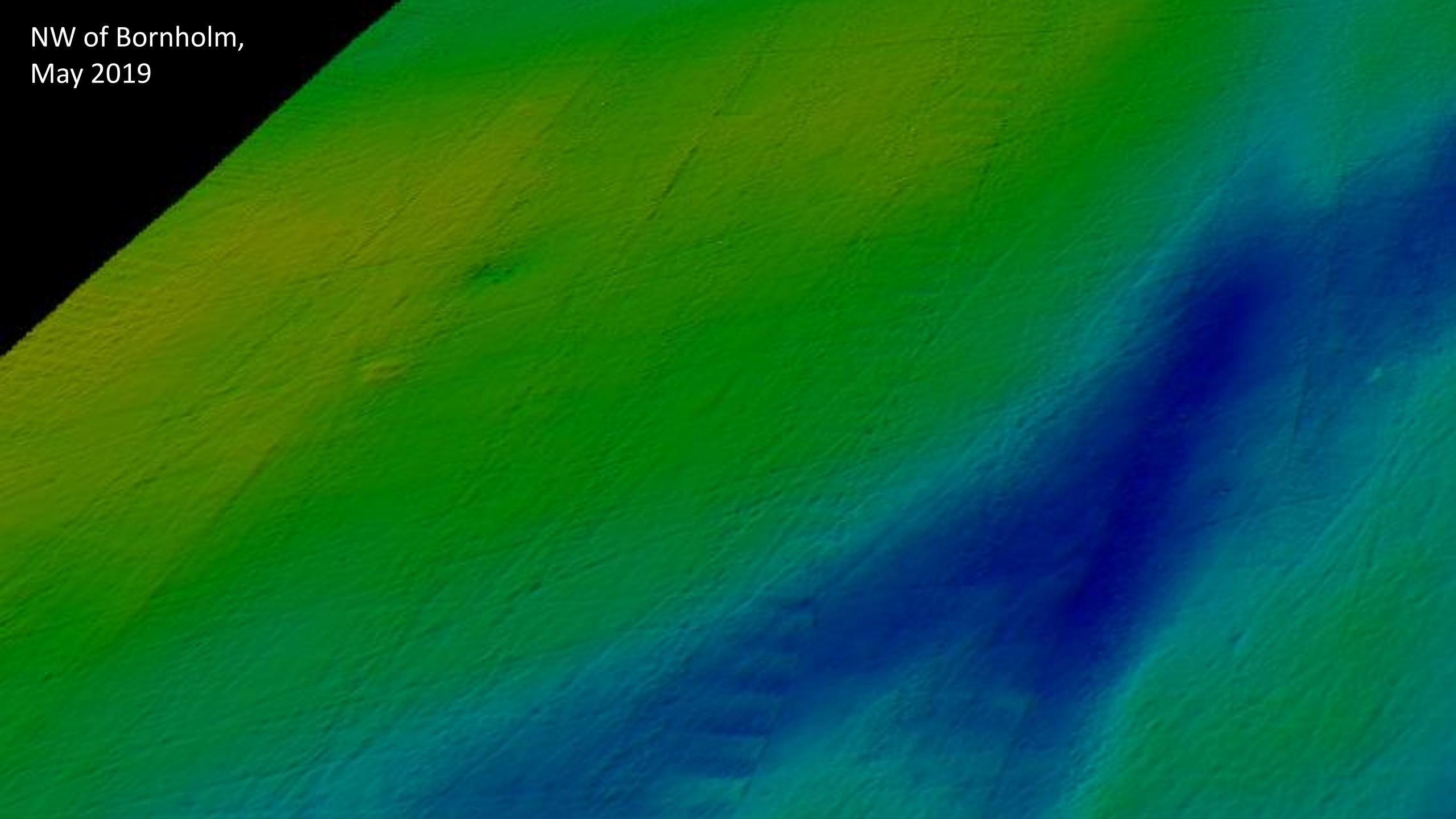
## e) Intensity of bottom trawling

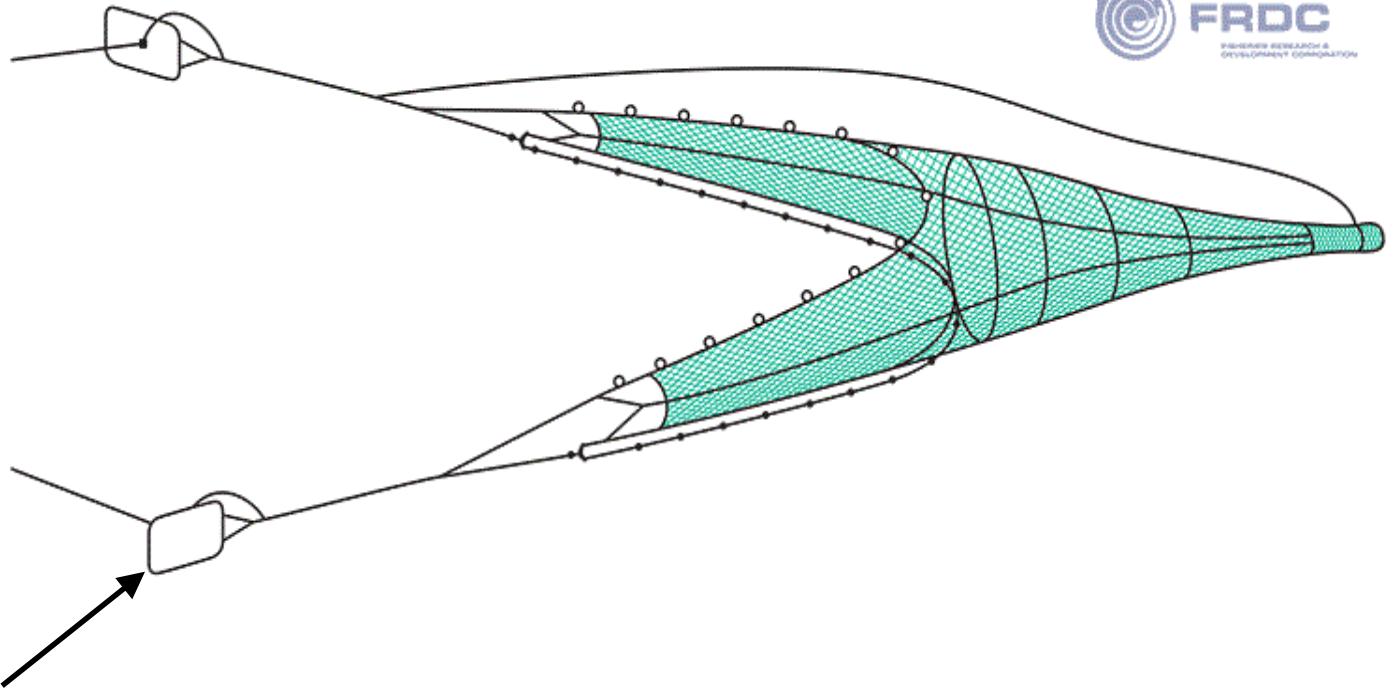
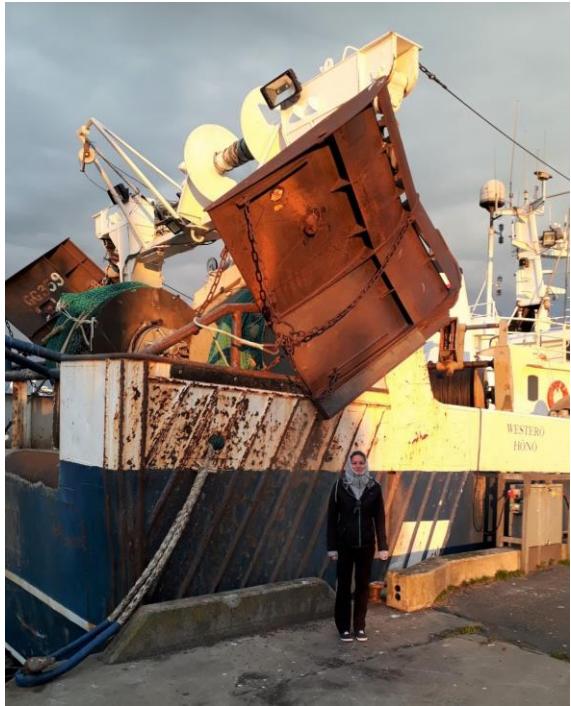


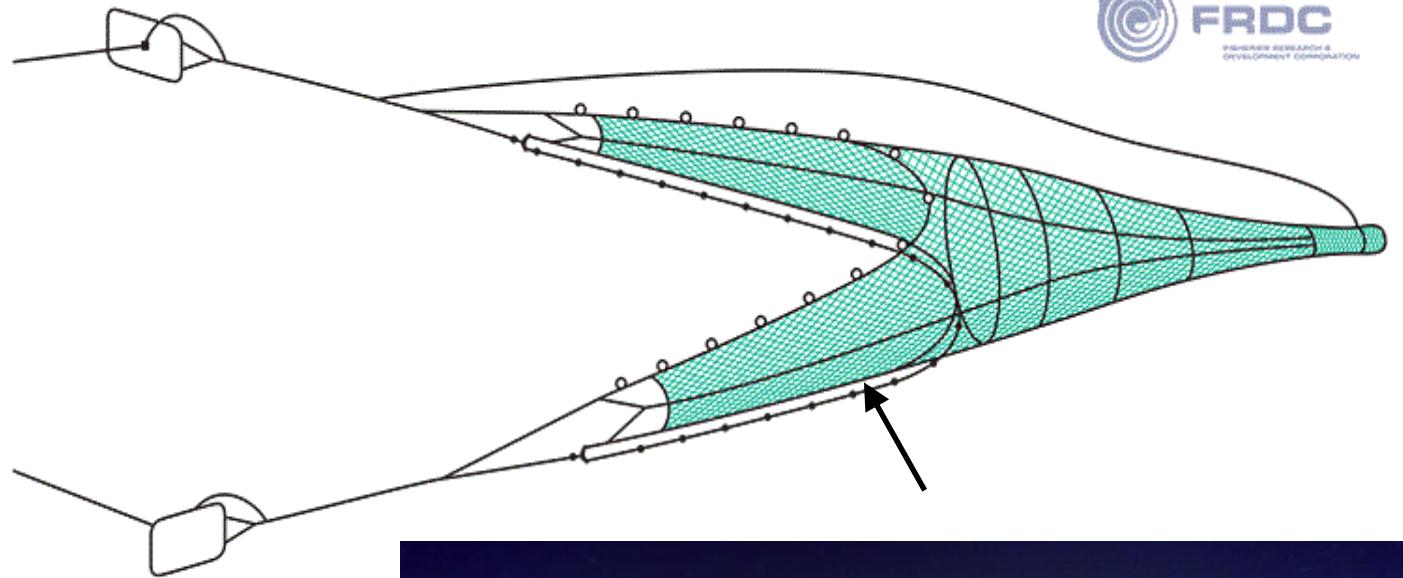




NW of Bornholm,  
May 2019

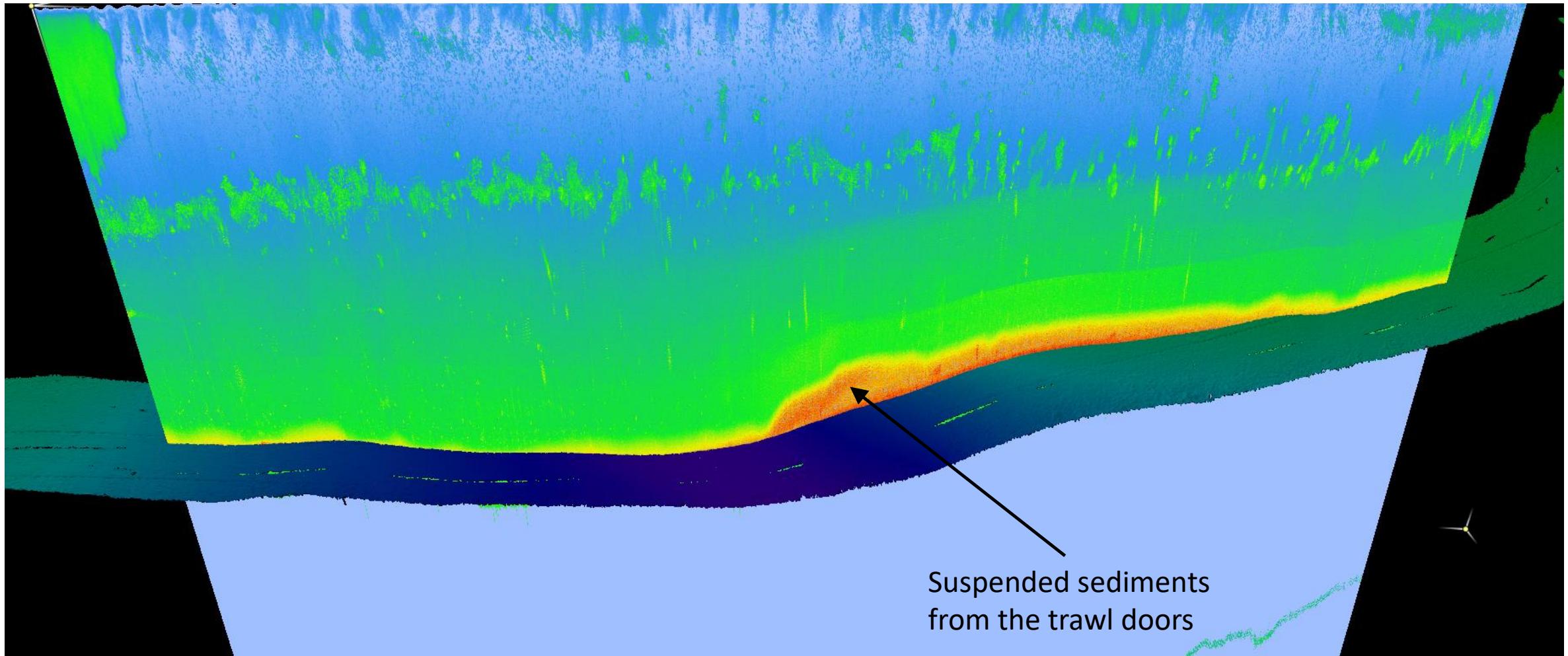


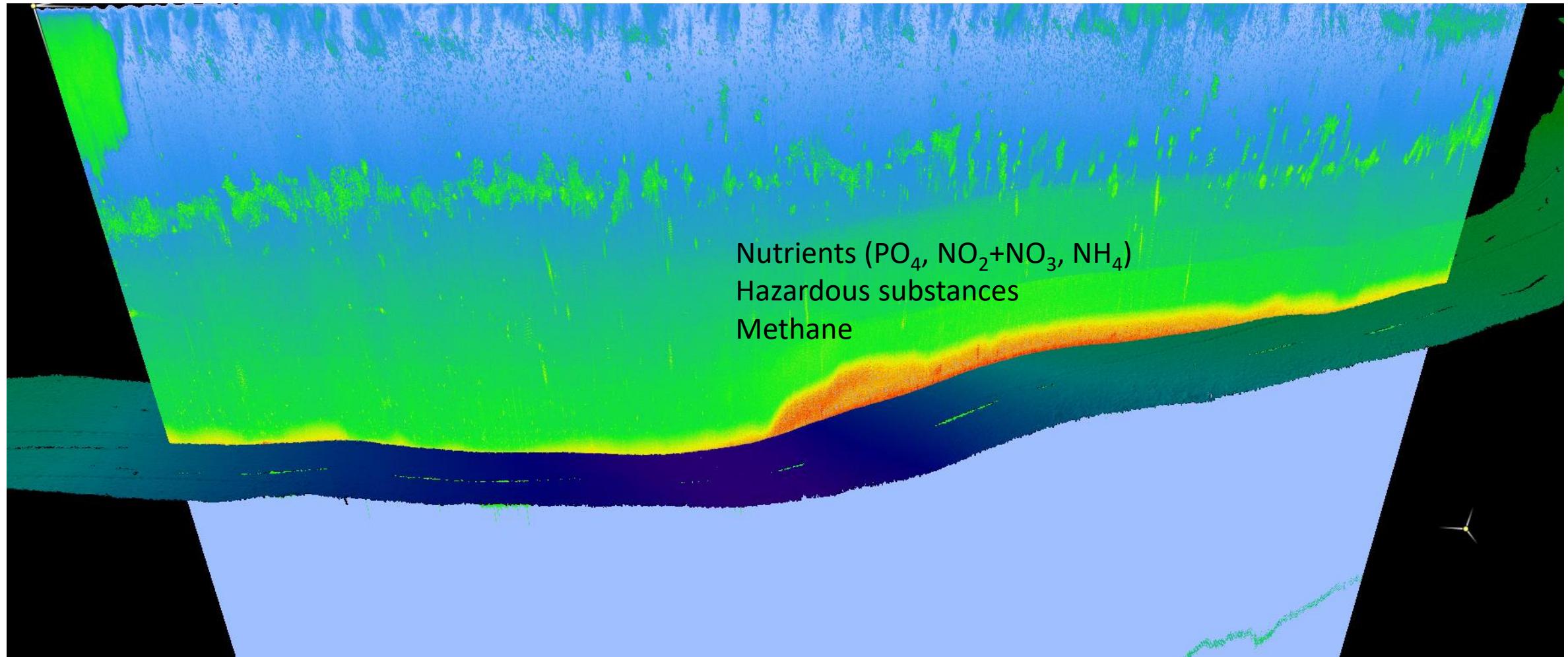


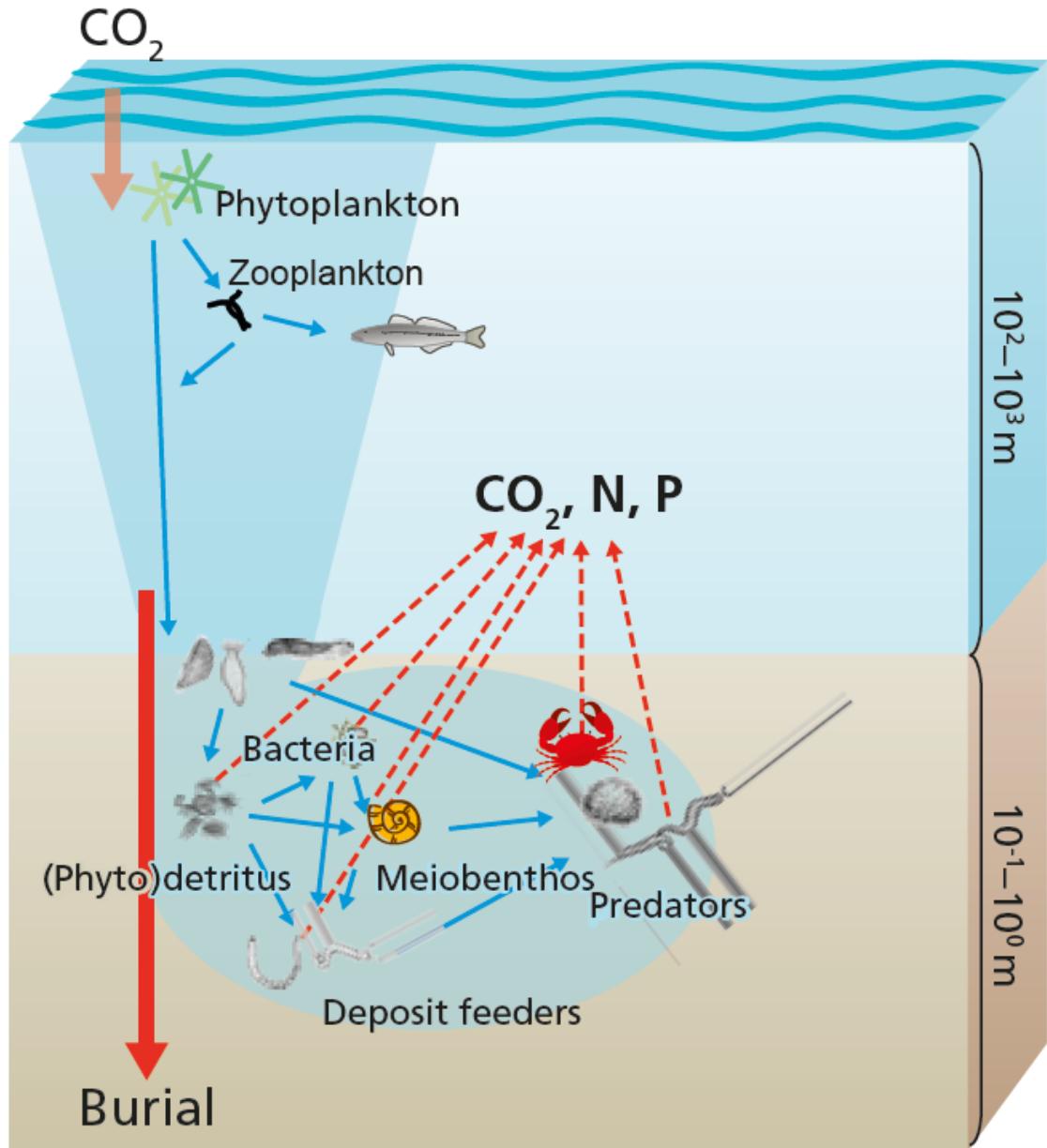


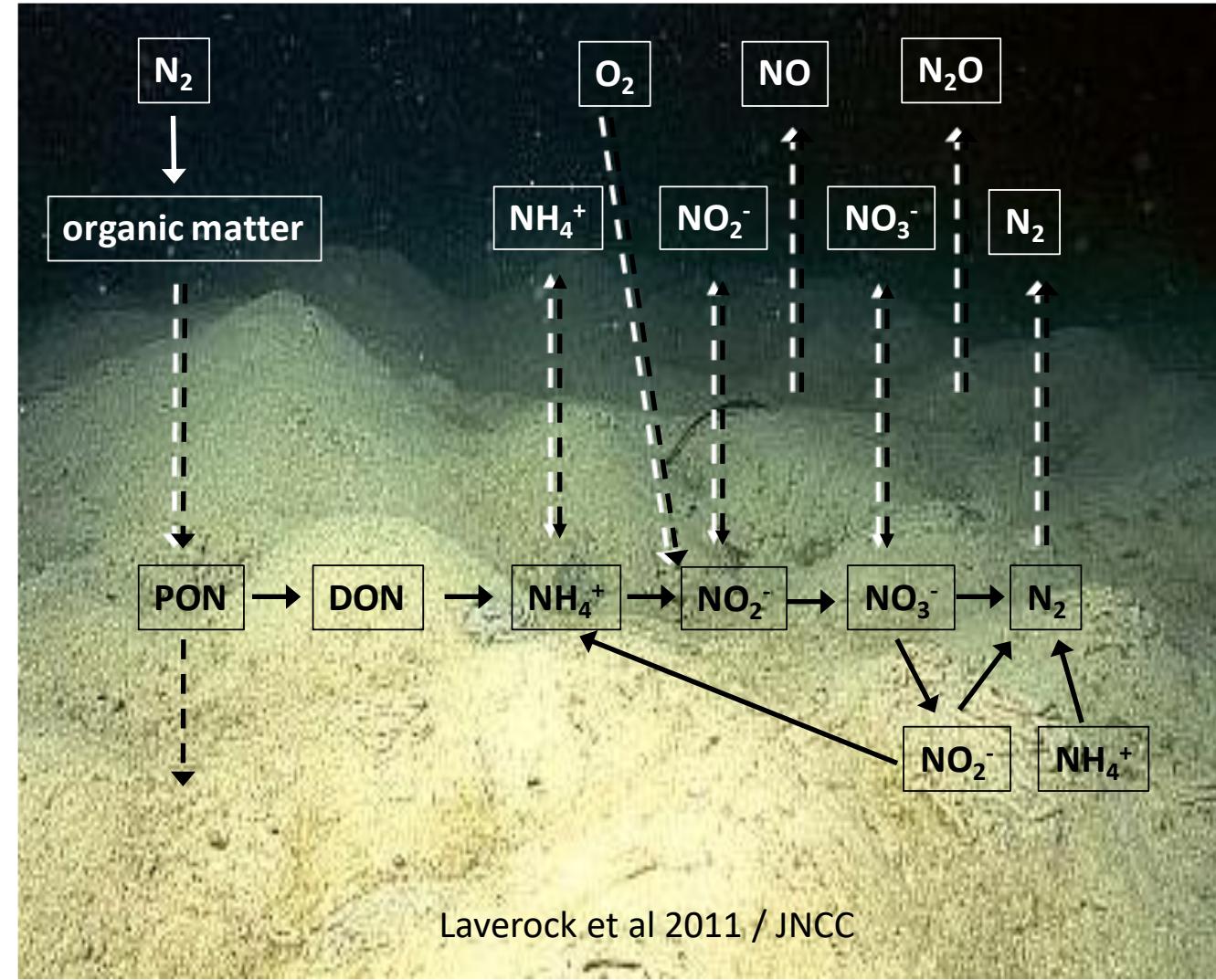


*Photos: Lewis Veale &  
Marine Conservation Society, UK.*

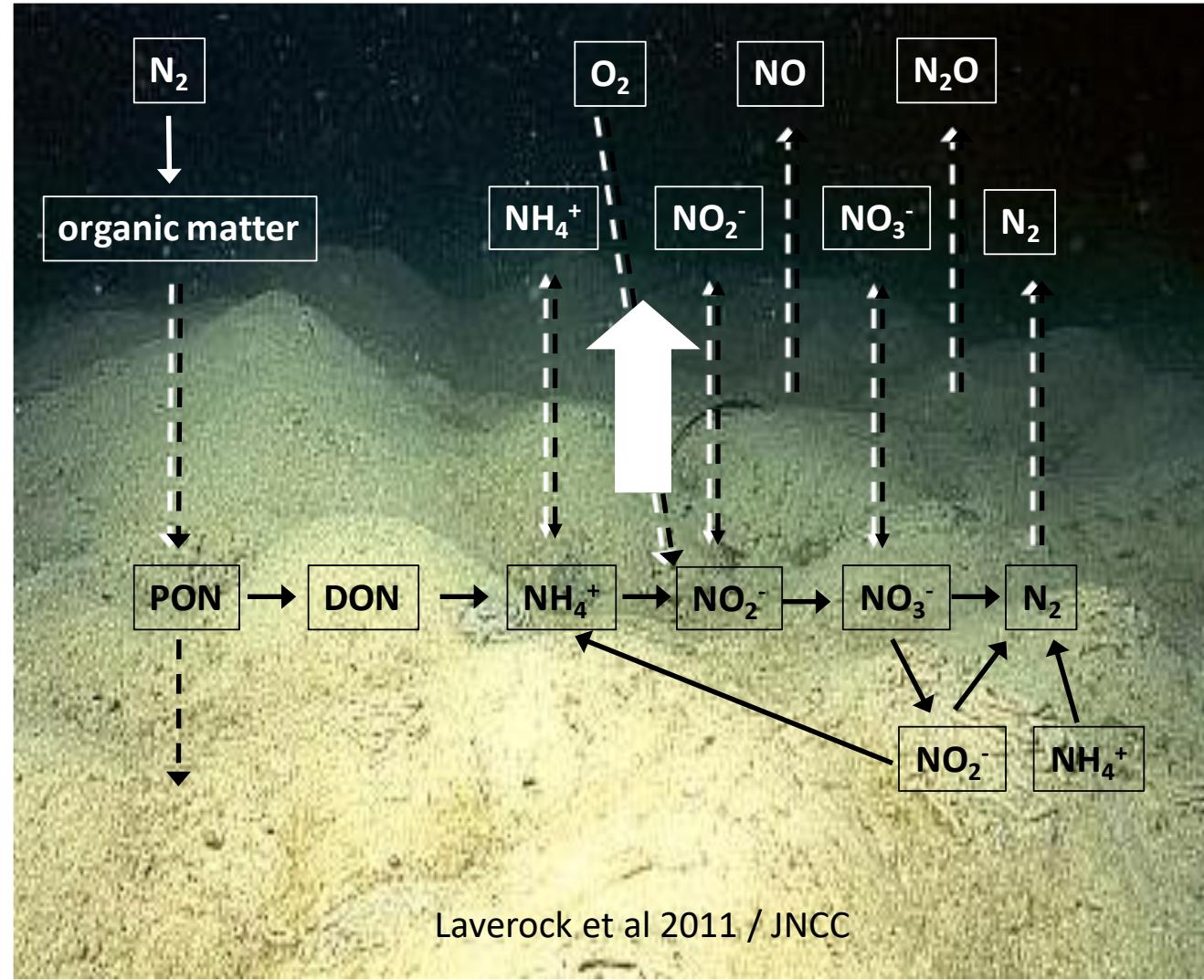




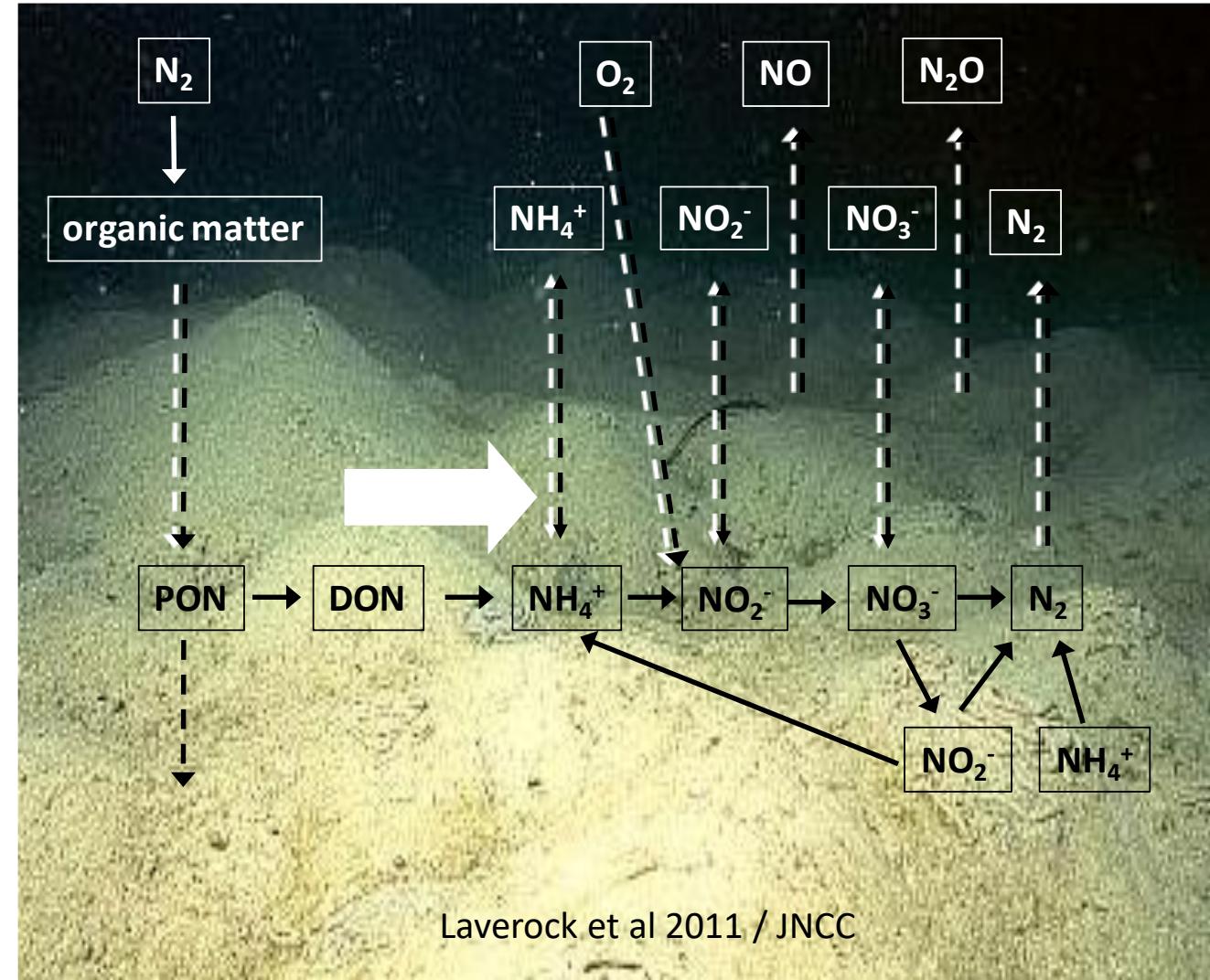




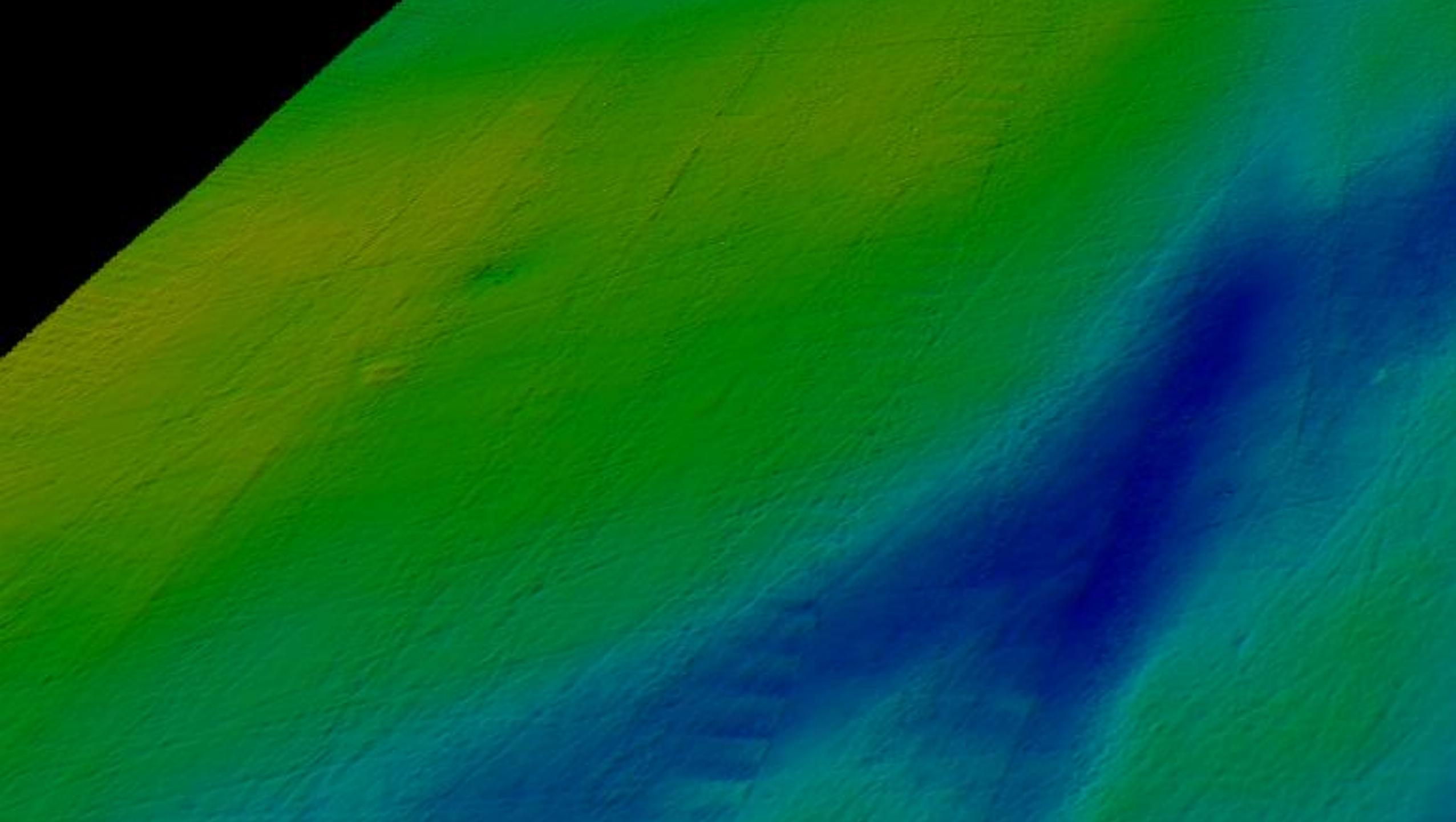
Trawling  
 ↓  
 Increased nutrient  
 regeneration  
 (sometimes)



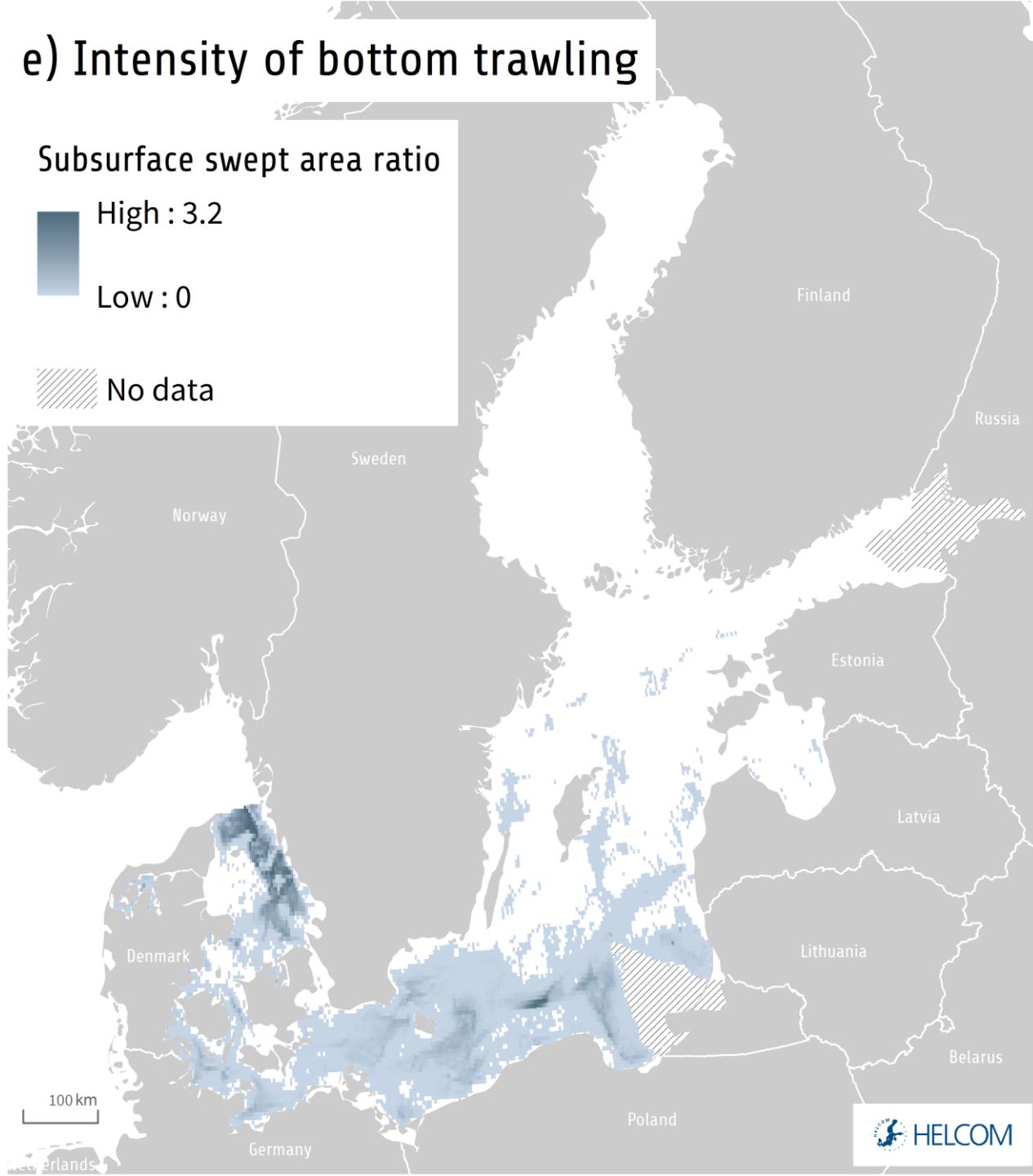
Trawling  
 ↓  
 Increased  
 remineralisation  
 (decreased  
 carbon burial)



Laverock et al 2011 / JNCC



## e) Intensity of bottom trawling

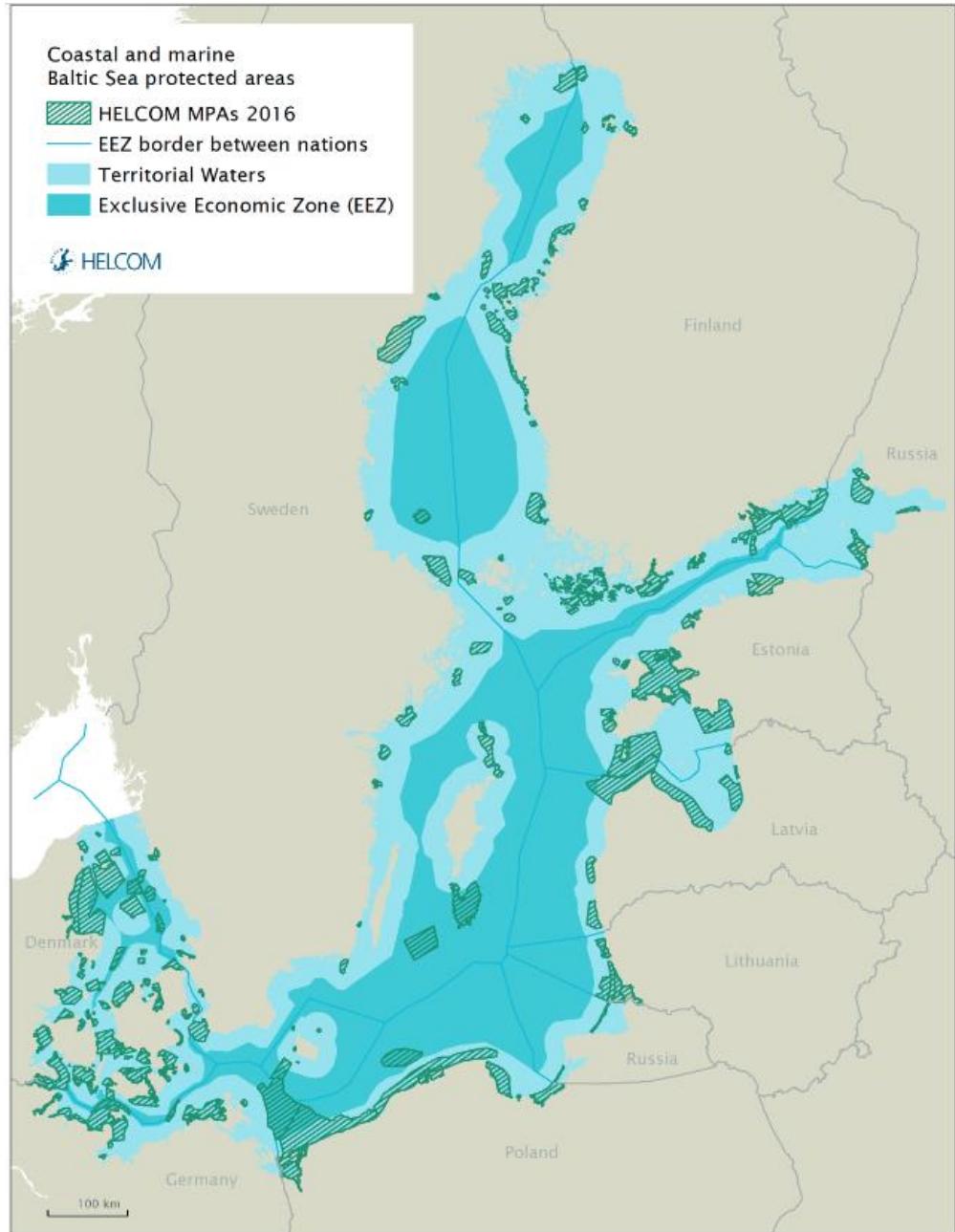


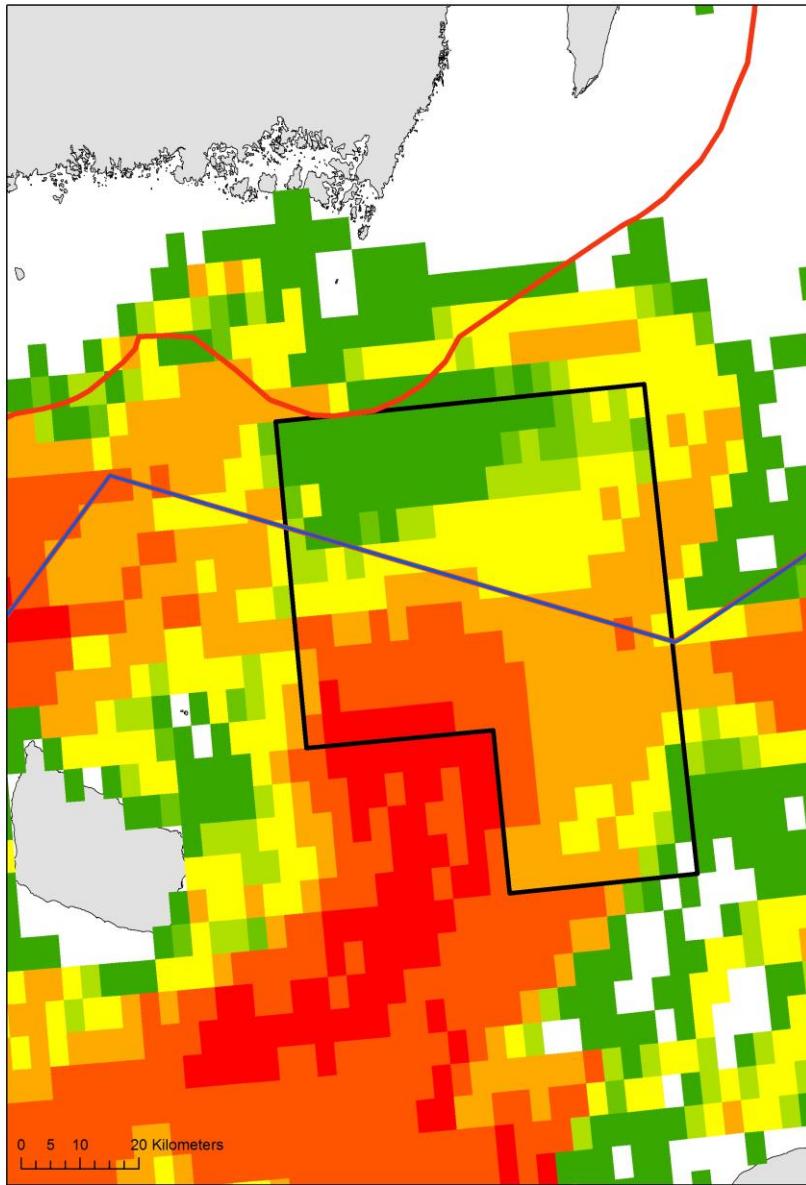
Benthic communities



Sediment  
resuspension

Ecosystem function





Thanks!

Collaborators:

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Volker Brüchert, Stefano Bonaglia, Carl-Magnus Mörth, Claudia Morys

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