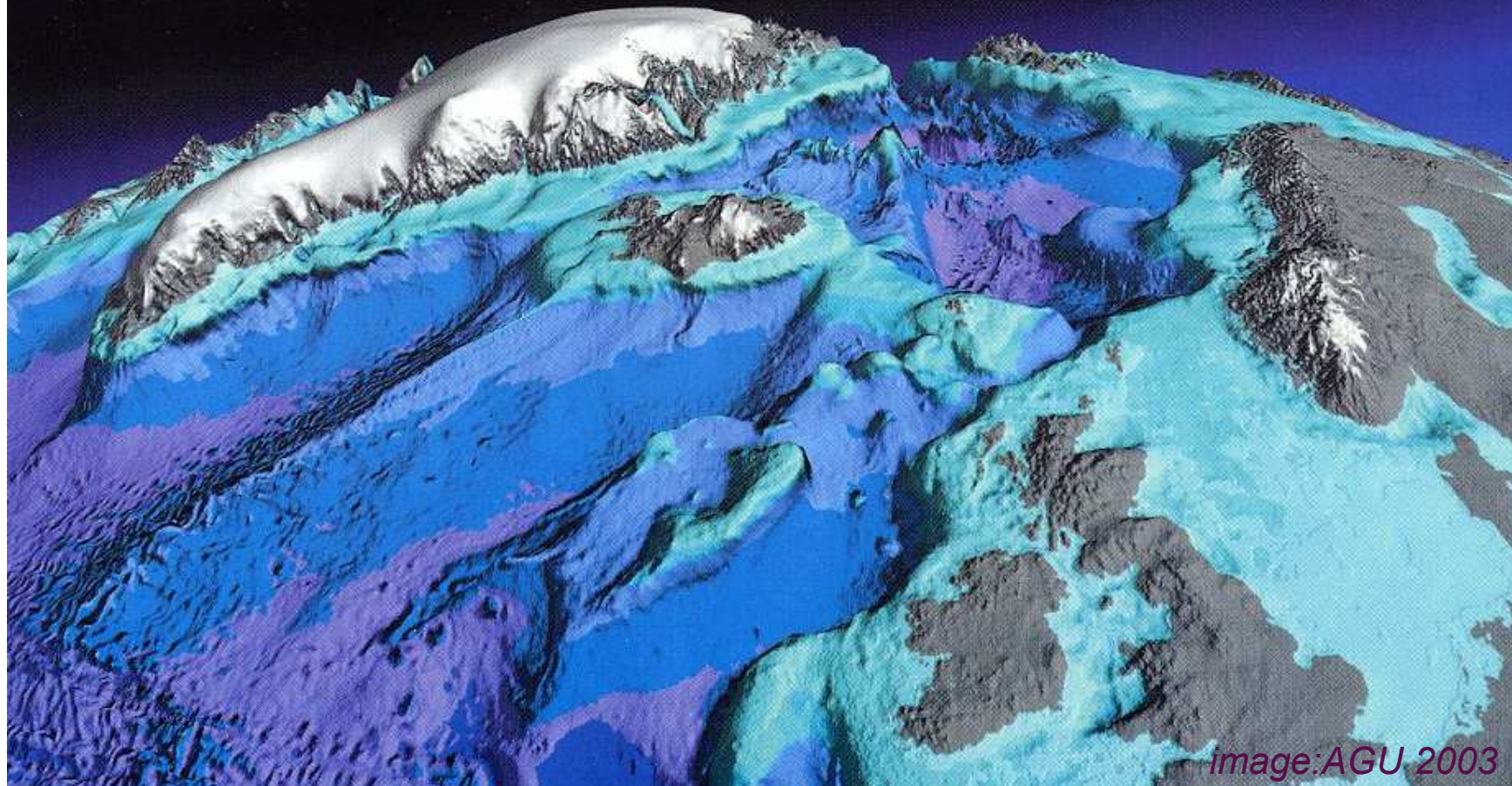
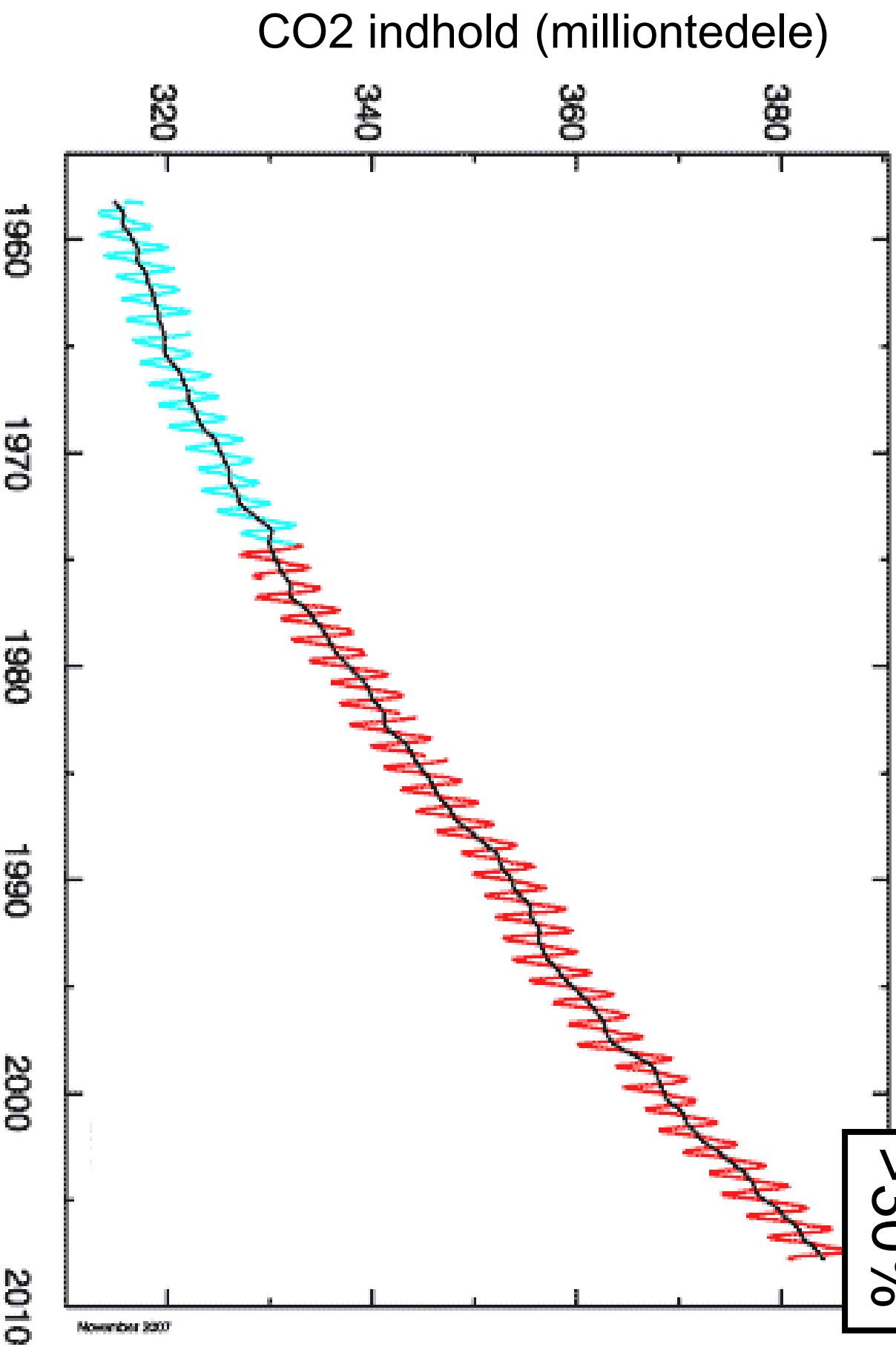


Klimaforskning i havstrømme omkring Færøerne

Bogi Hansen, Fiskirannsóknarstovan



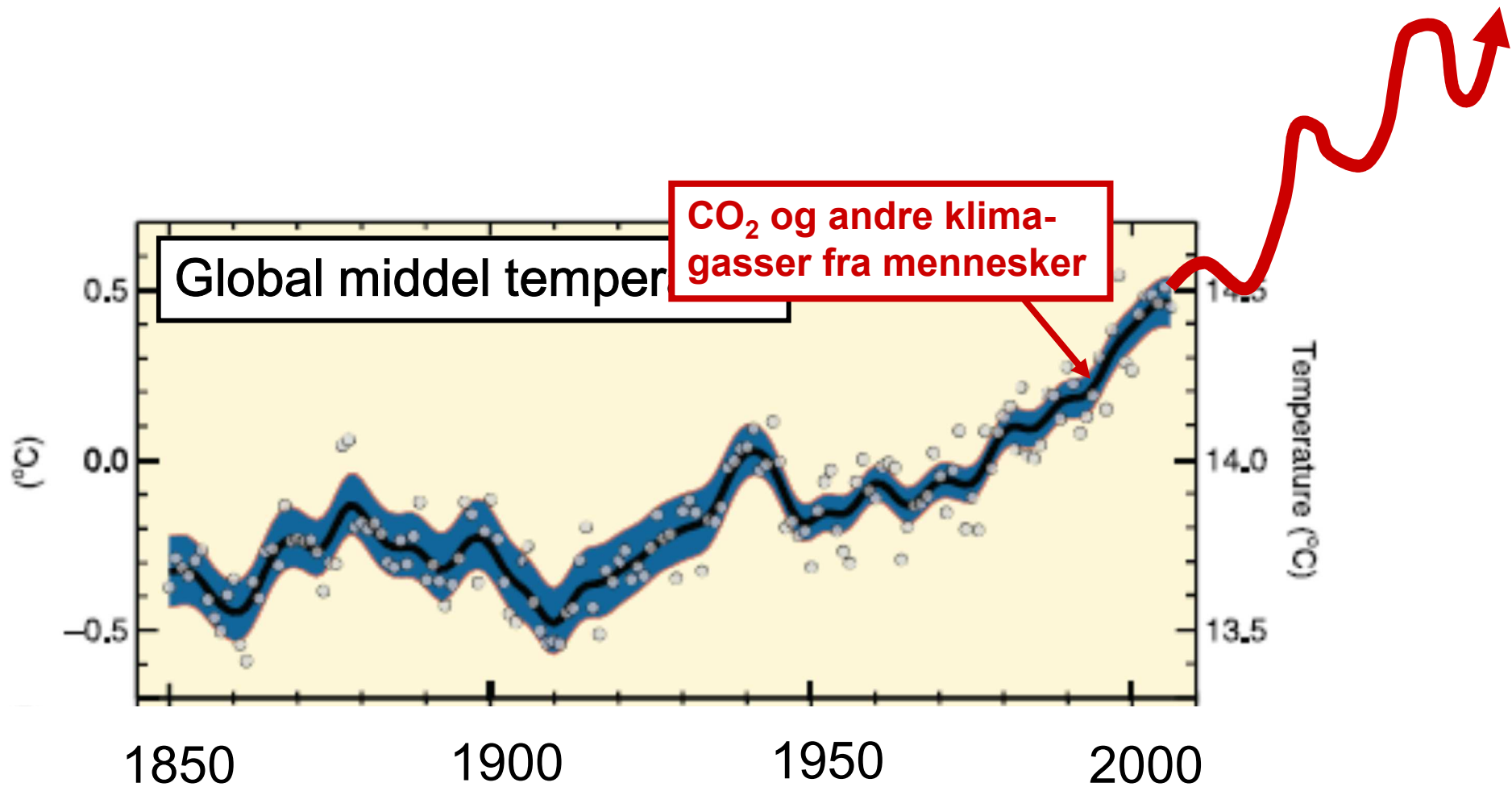
CO₂ indhold i atmosfæren



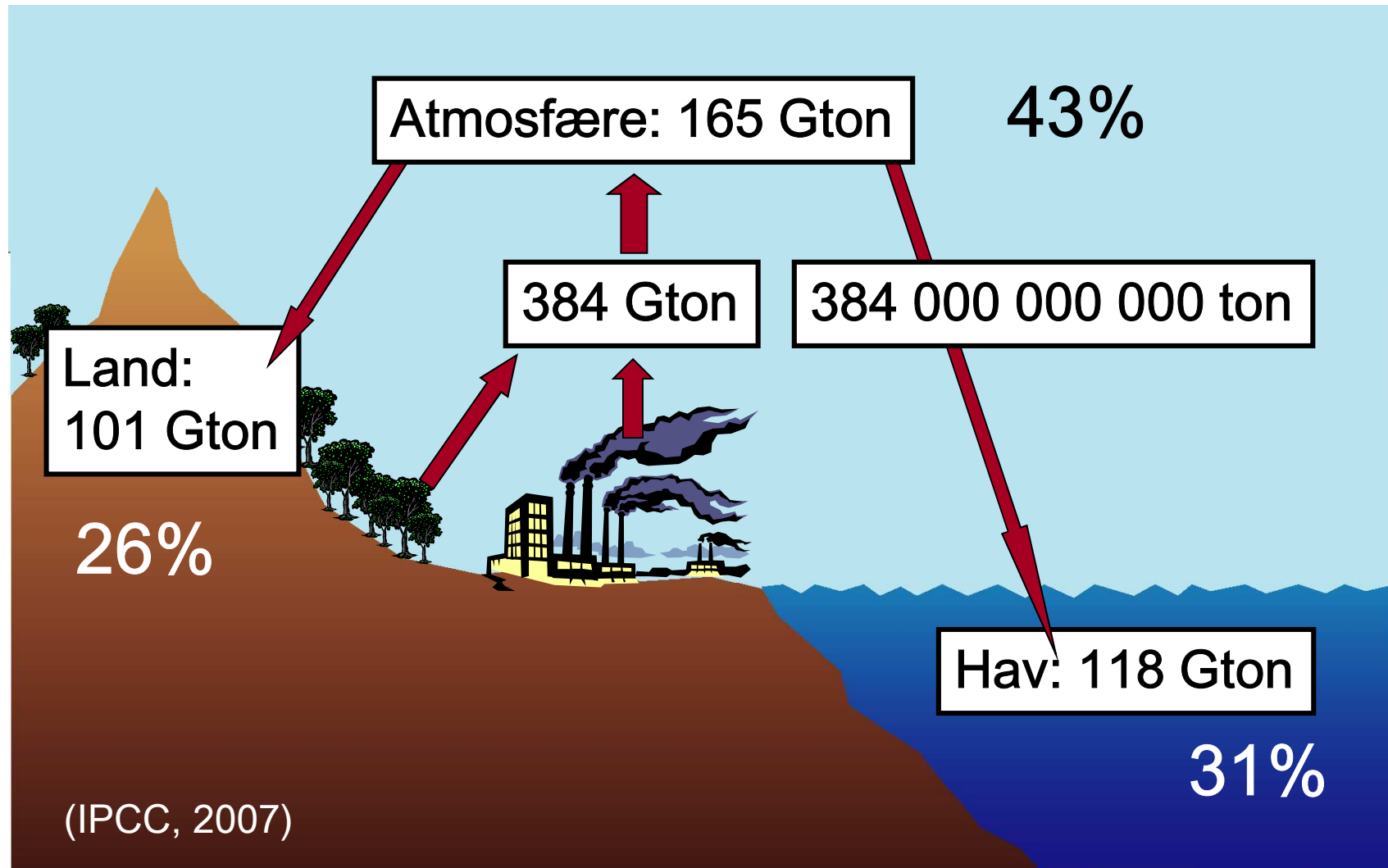
Kuldioxid (CO_2) i atmosfæren virker som isoleringen i et hus



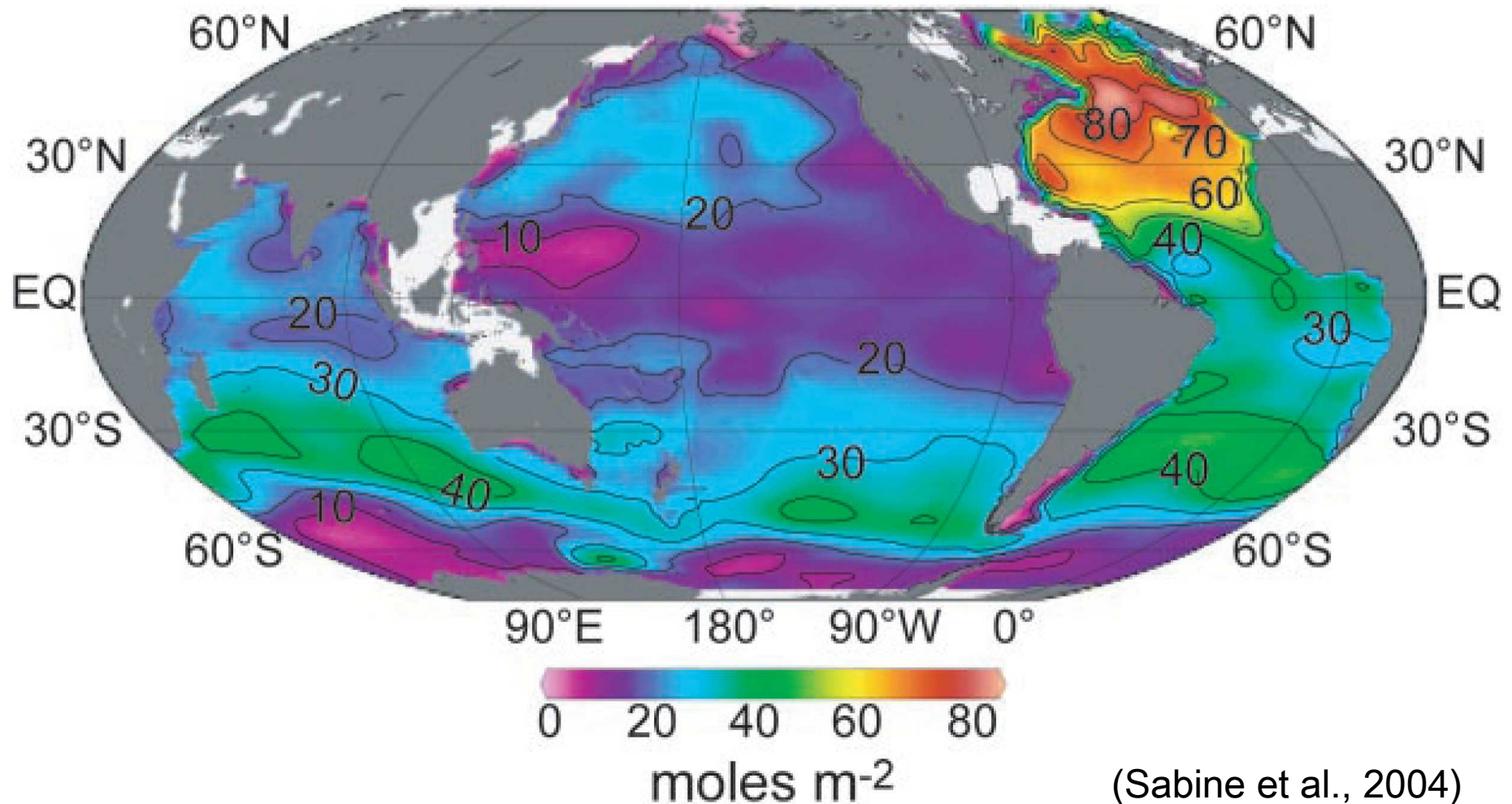
Jorden er i færd med at blive varmere



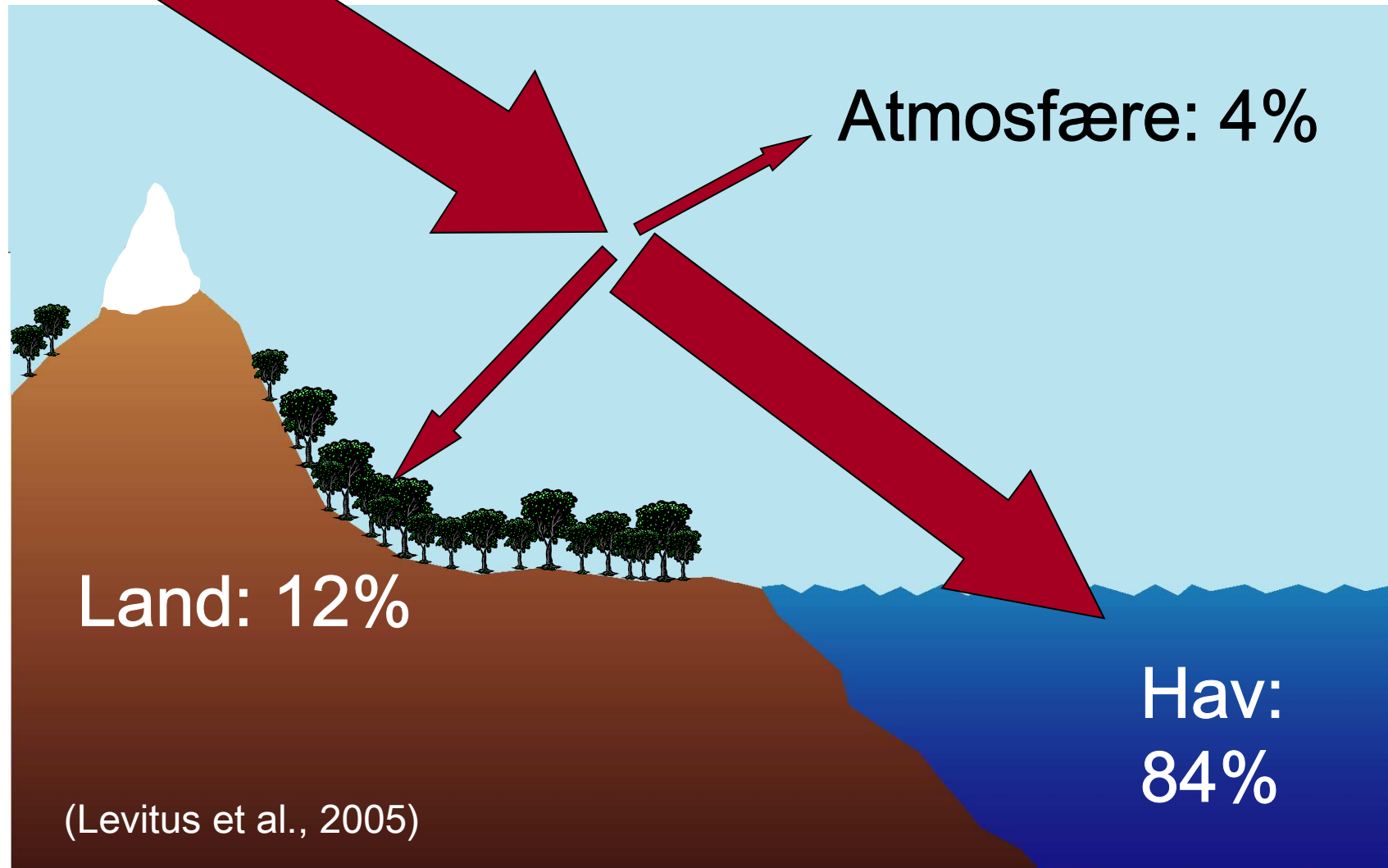
Menneskeskabt kulstof (carbon) 1750-1994



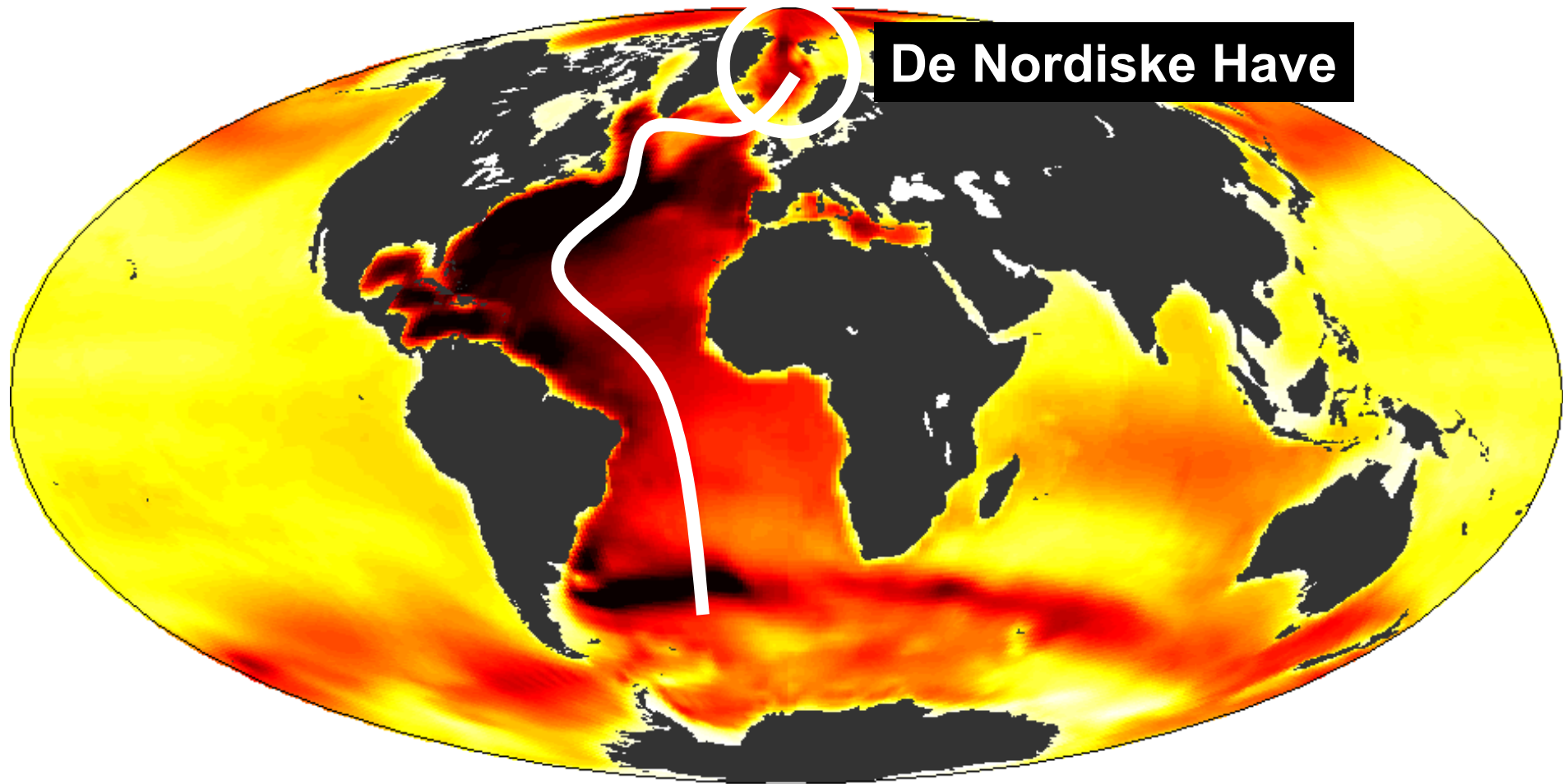
Menneskeskabt kulstof under hver m²



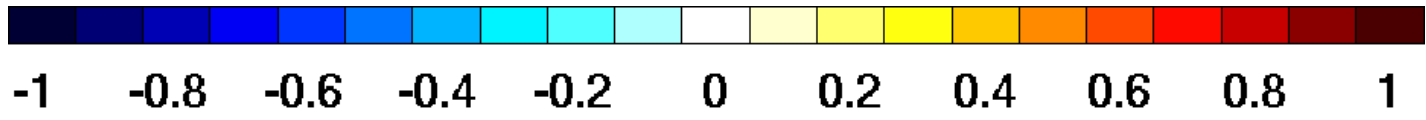
Lagring af ekstra varme 1955-1998



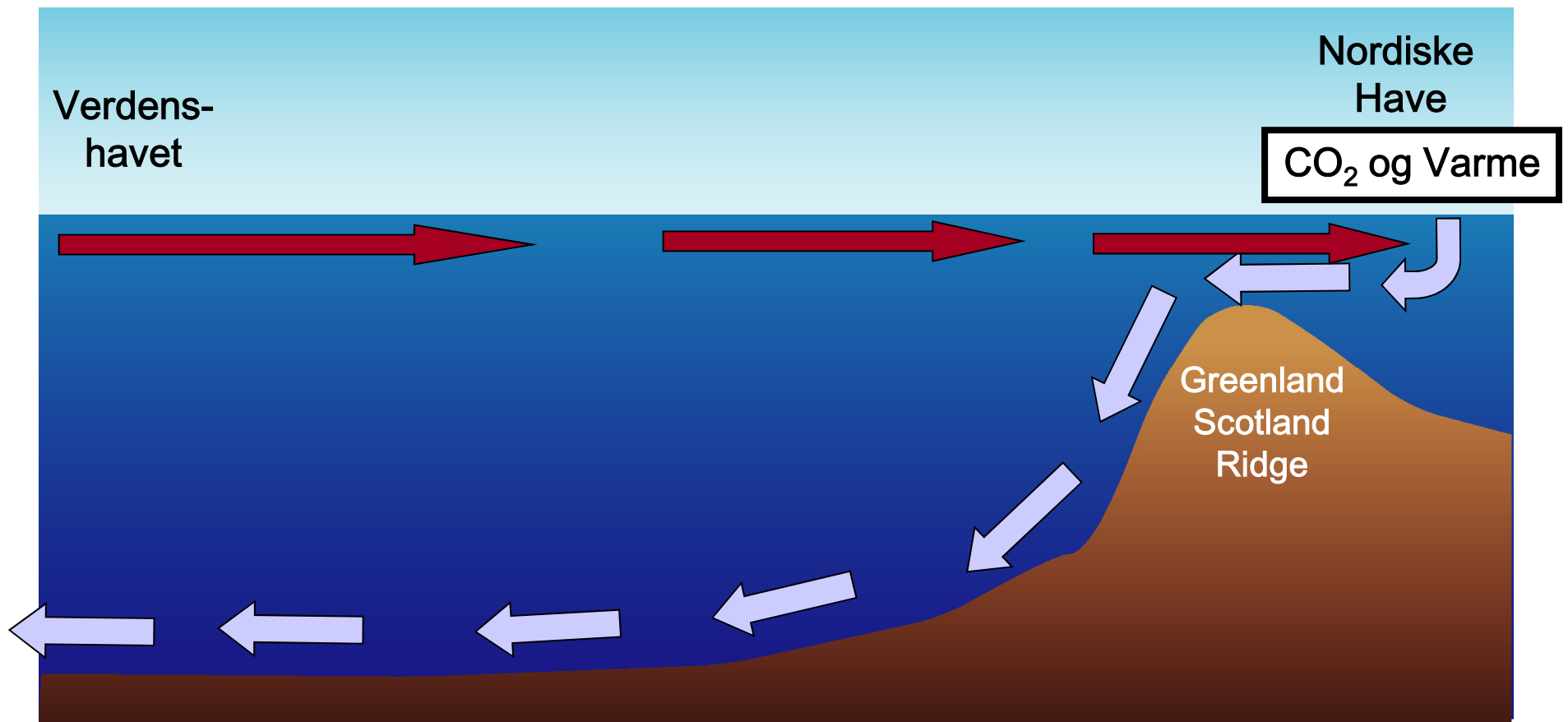
Ekstra varmelagring (under hver m²) i dette (21^{ende}) århundrede (fra modeller)



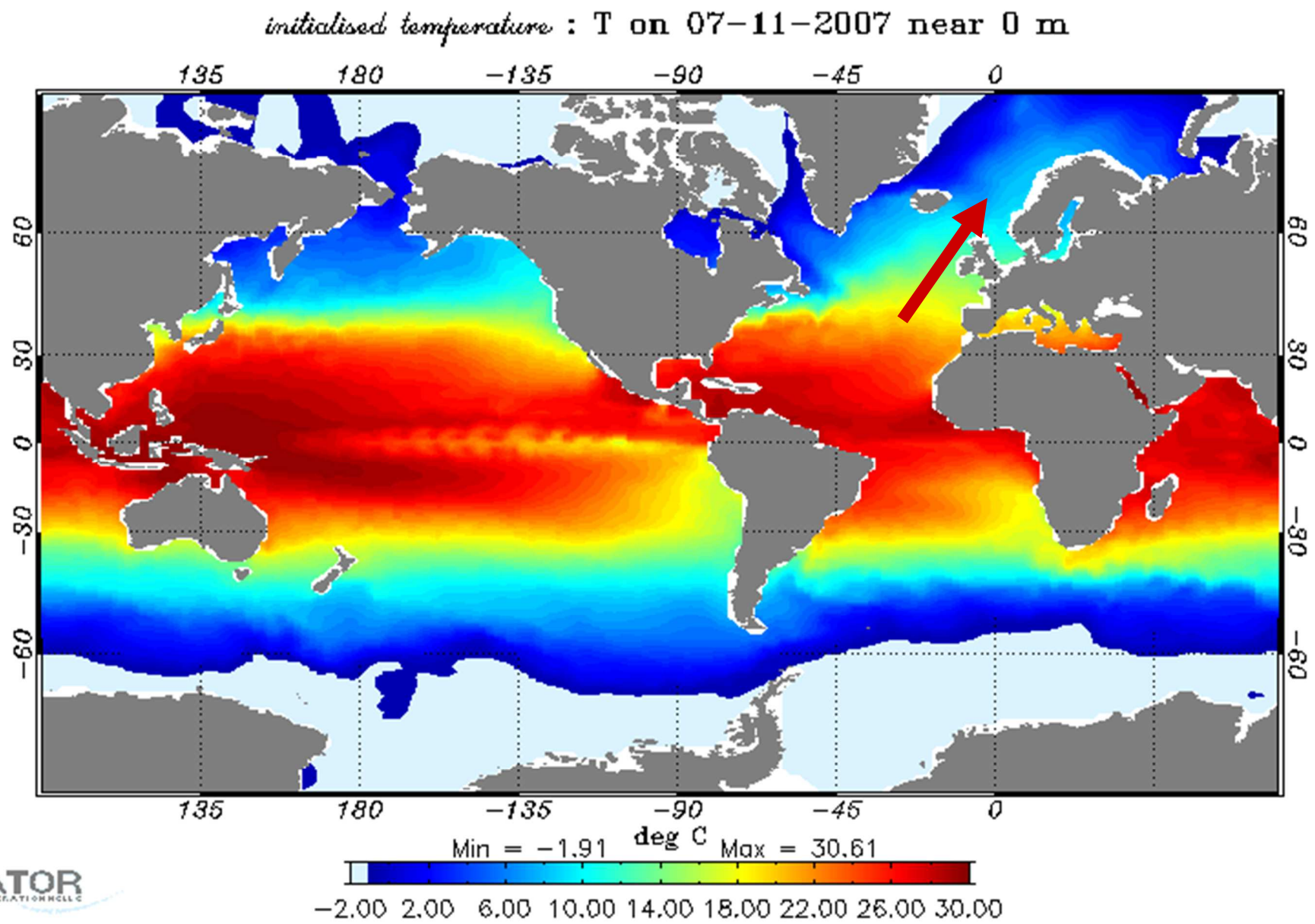
De Nordiske Have



De Nordiske Have er en hovedkilde for dybvandsdannelse i hele Verdenshavet



Overfladetemperatur Nov 2007 – Marts 2008



Et gigantisk badekar

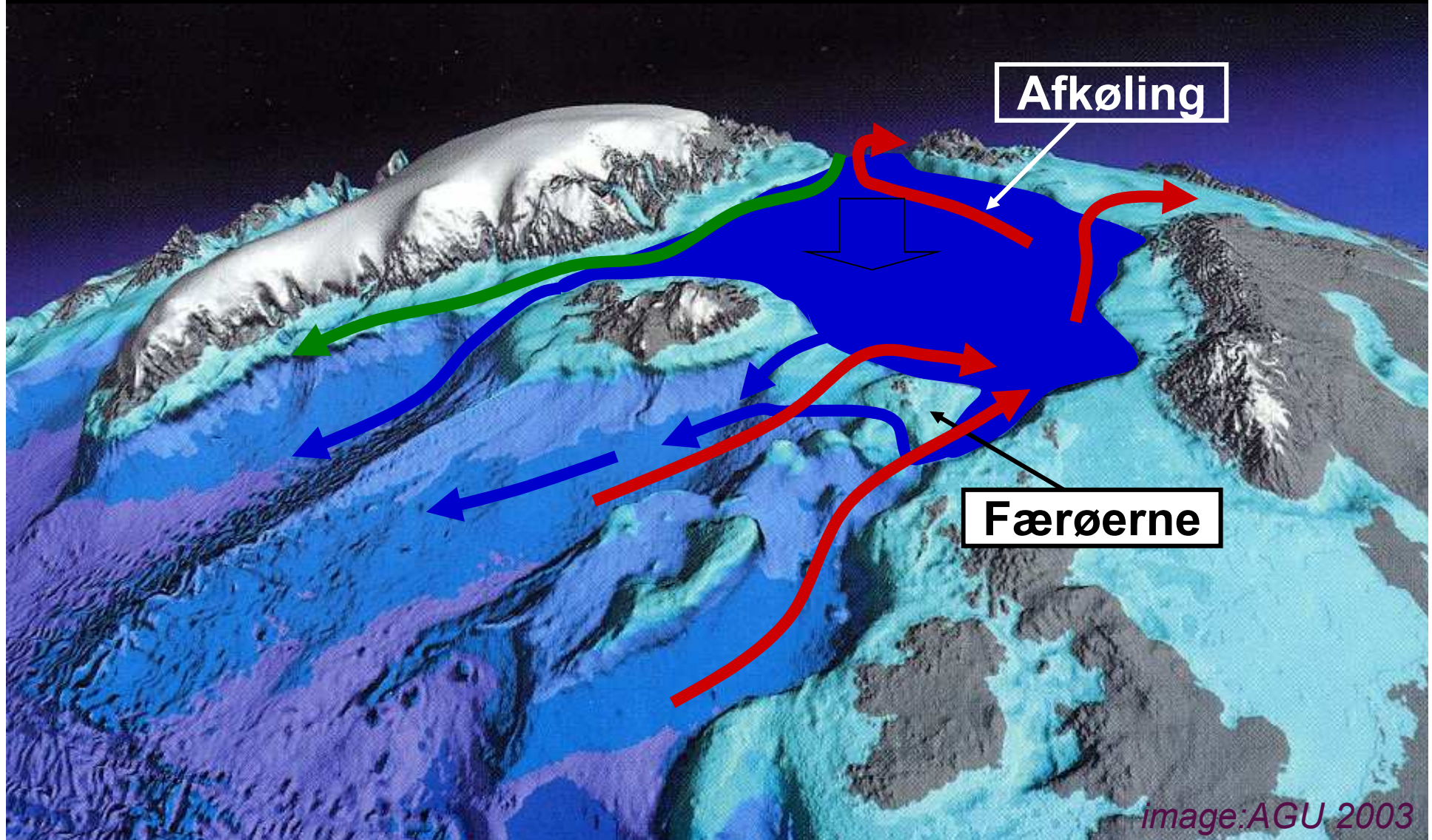
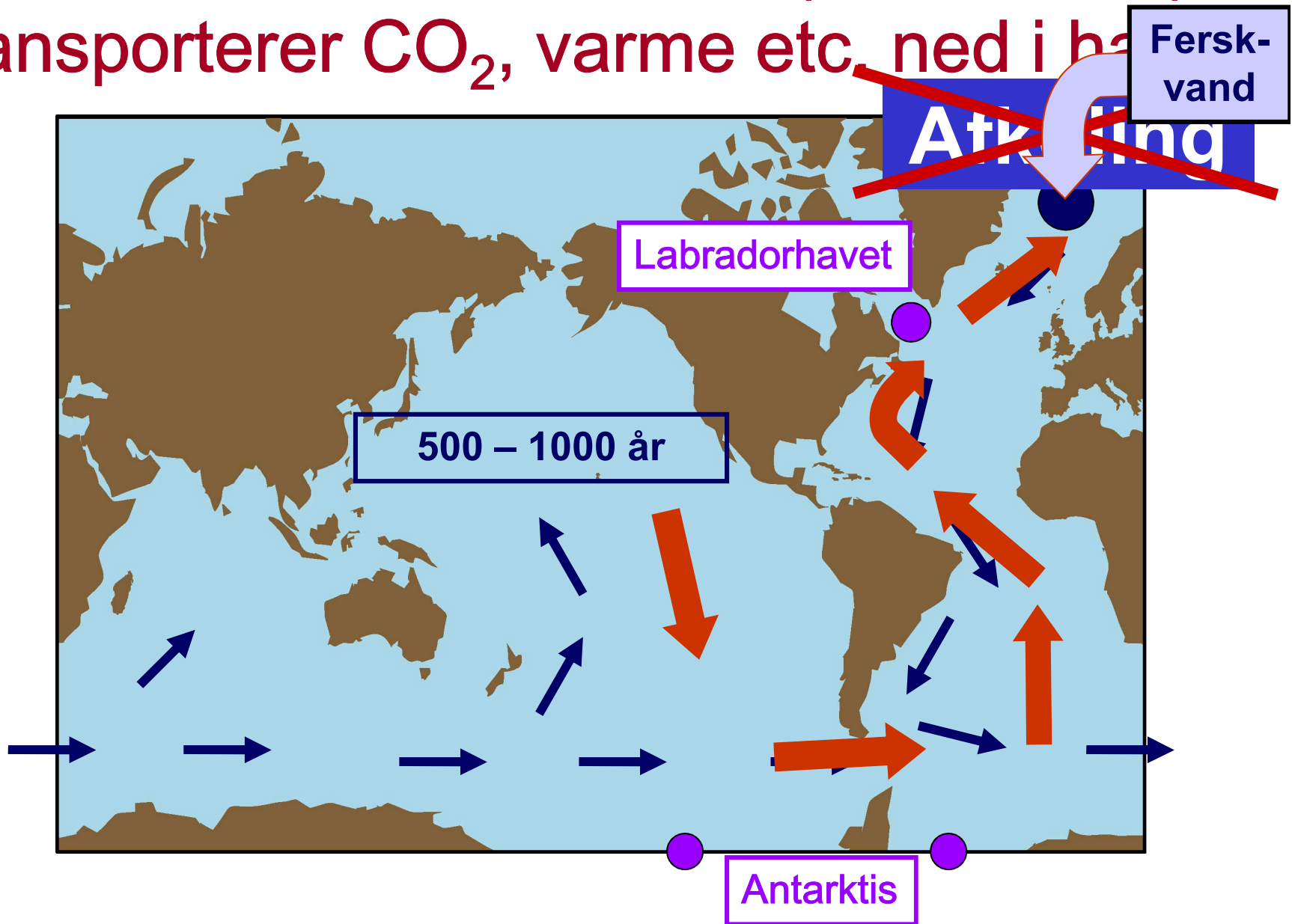


image:AGU 2003

Det "Store transportbånd" (MOC, THC) Transporterer CO₂, varme etc. ned i havet



The Day After Tomorrow



IPCC 2007

(Intergovernmental Panel on Climate Change)

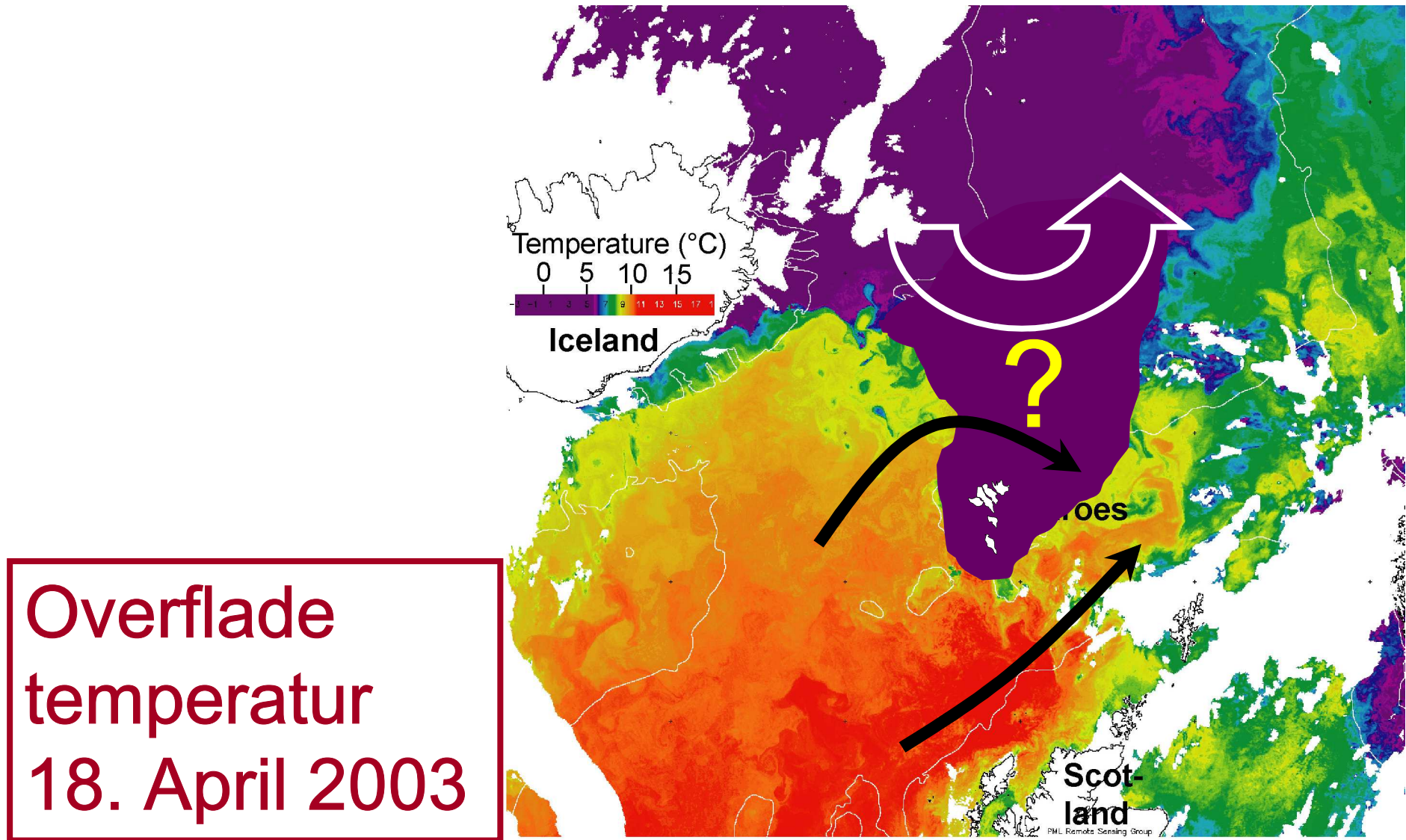
it is *very likely* that the North Atlantic MOC will slow down during the 21st century.

Men hvor meget og hvor ?

EU-projekt 2009-2012
Thermohaline Overturning – at Risk?



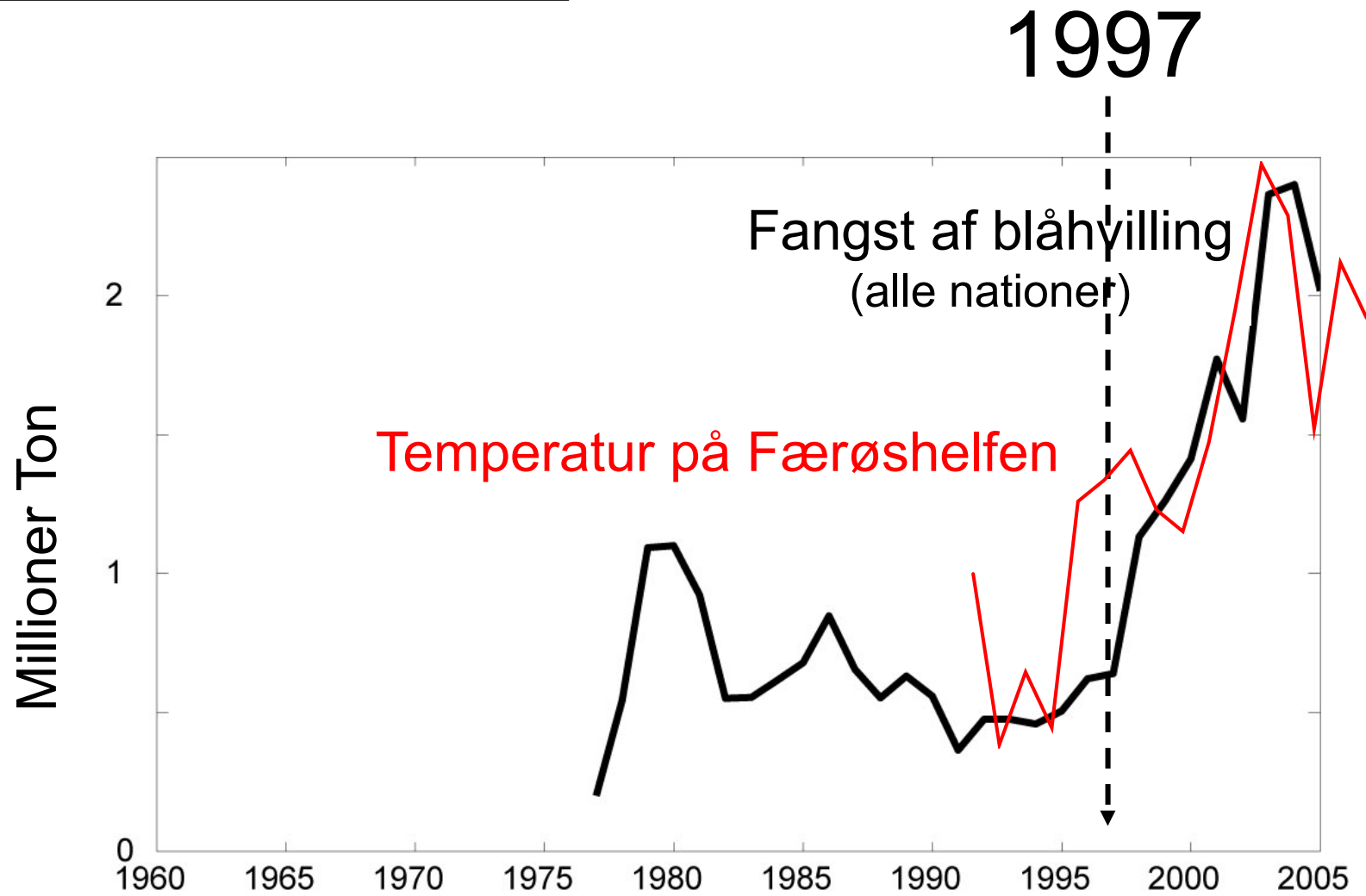
Færøernes klima: Privilegeret, men følsomt



(fra P. Miller, Plymouth Marine Lab)

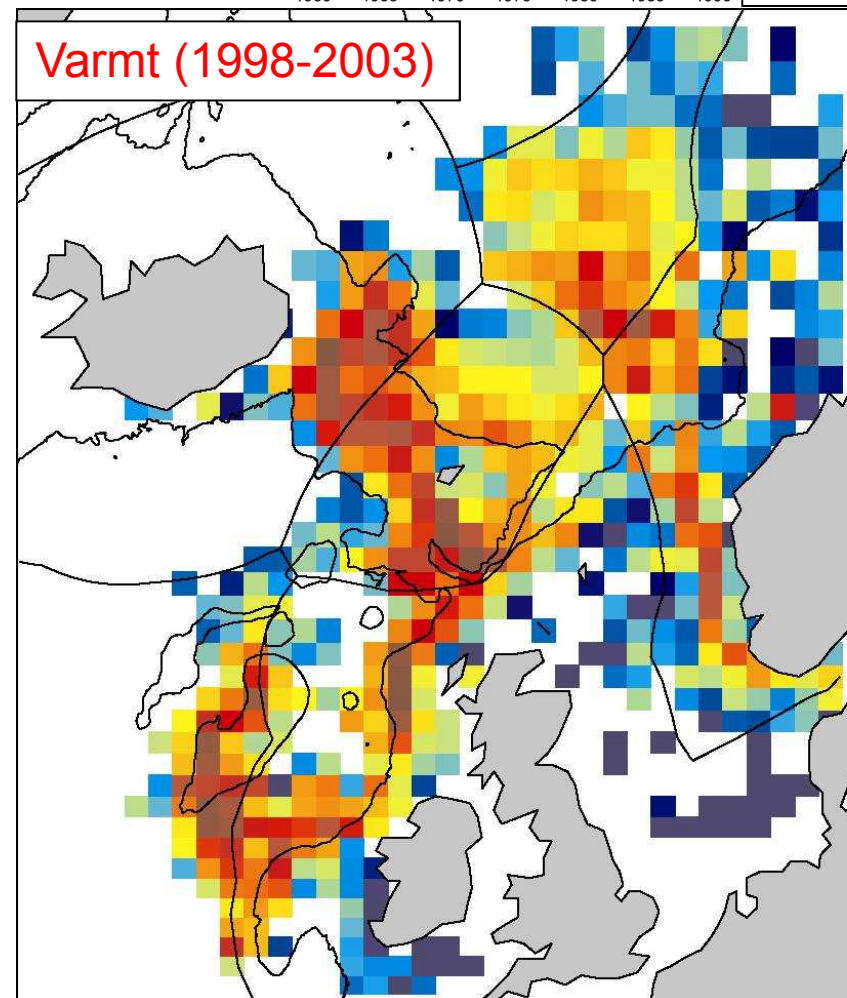
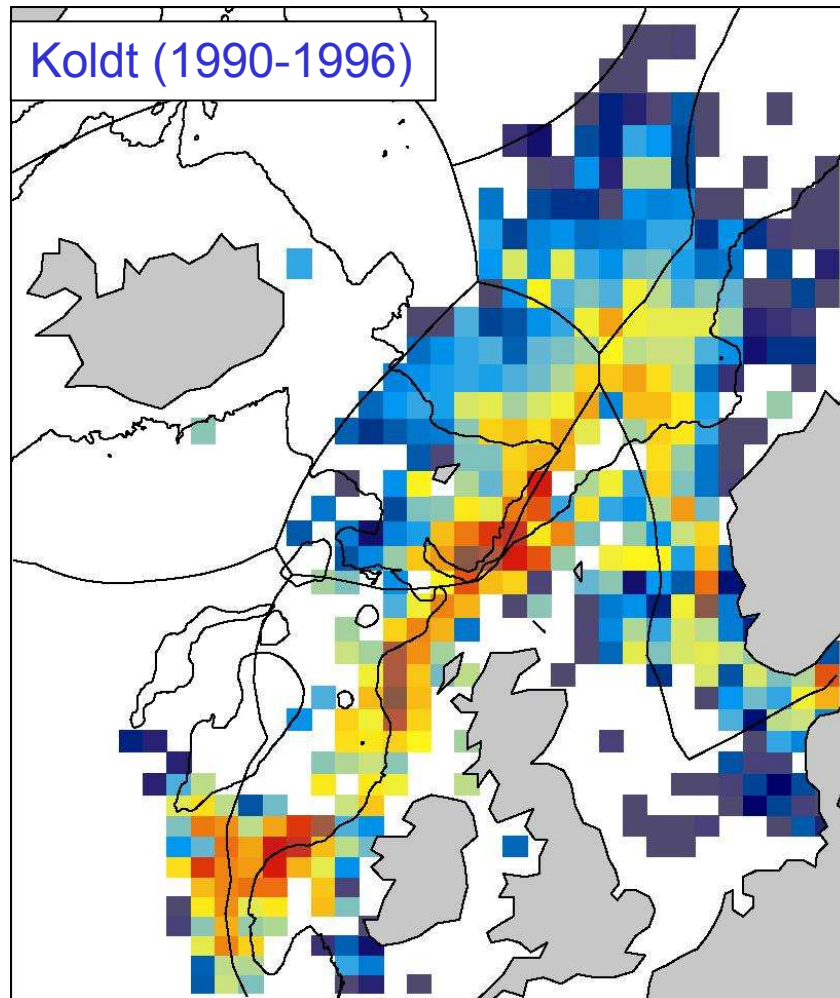
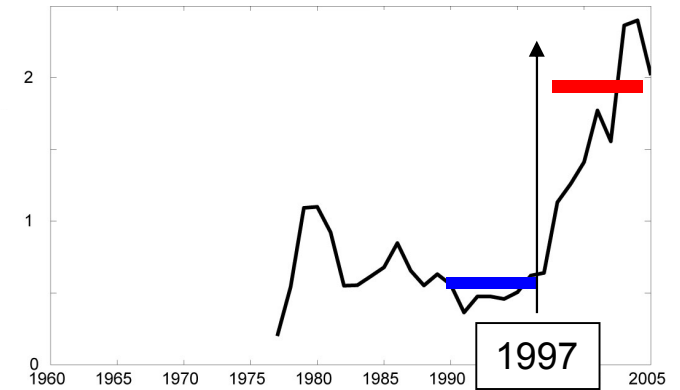


Pelagisk fisk

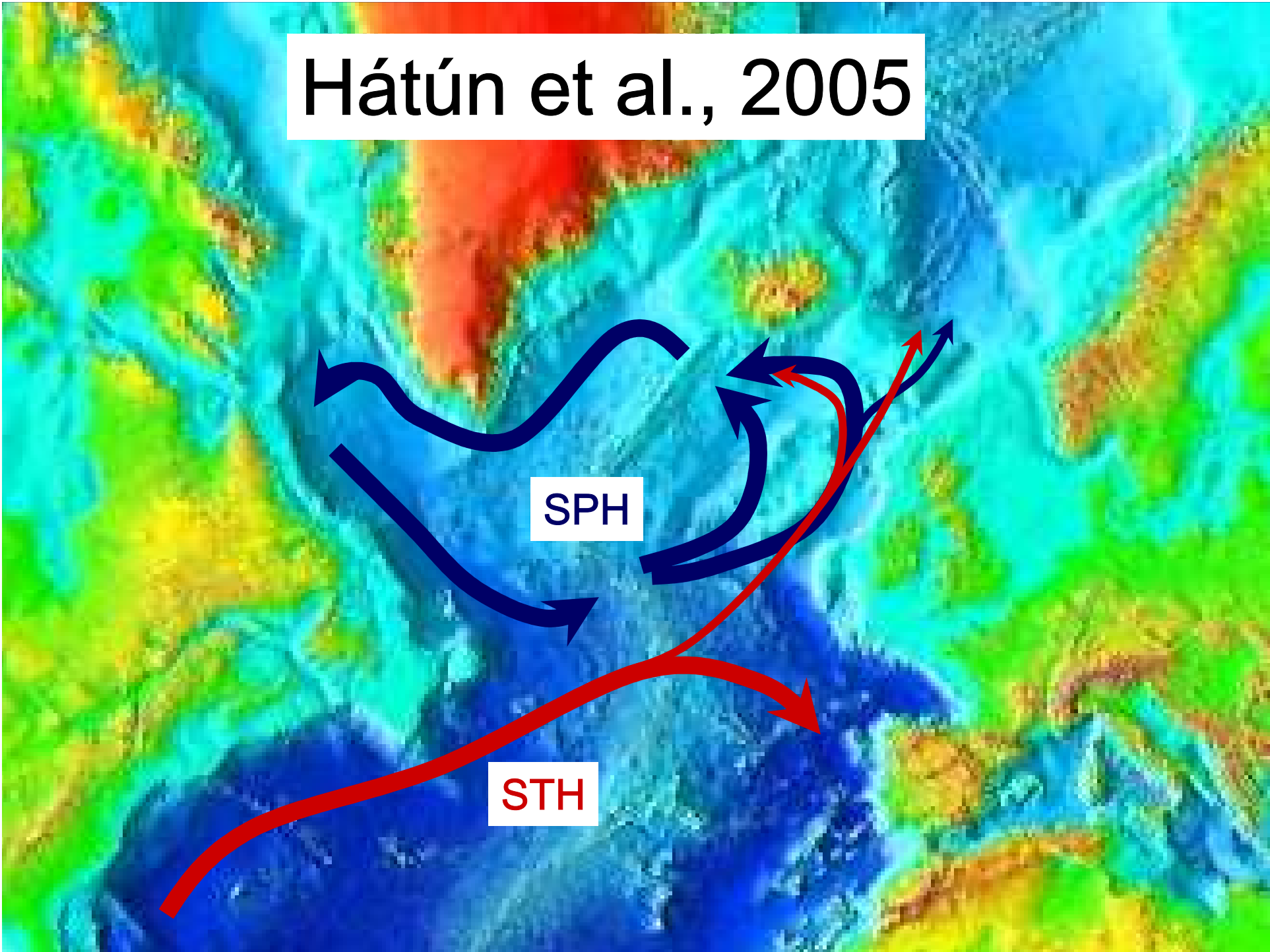


Udbredelse

(Fangst – alle nationer, hele året)

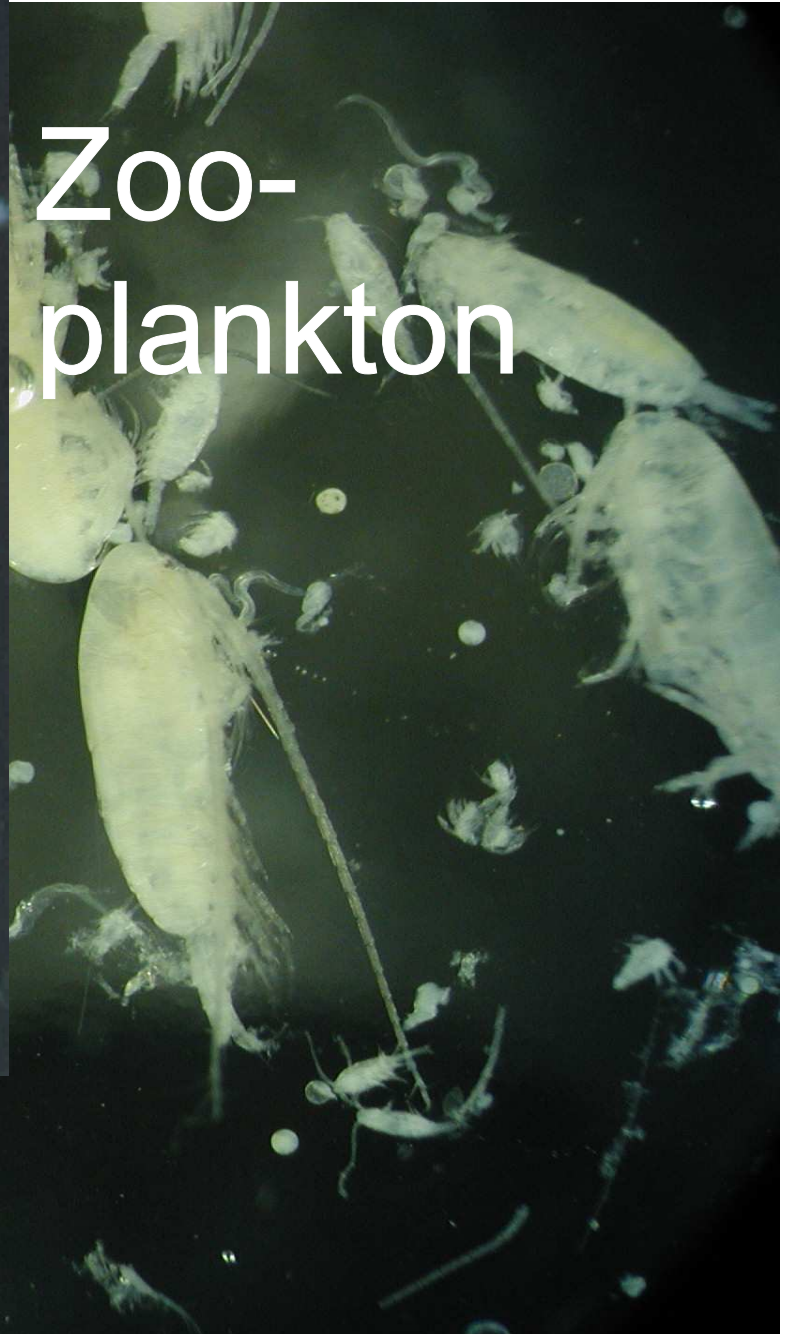


Hátún et al., 2005



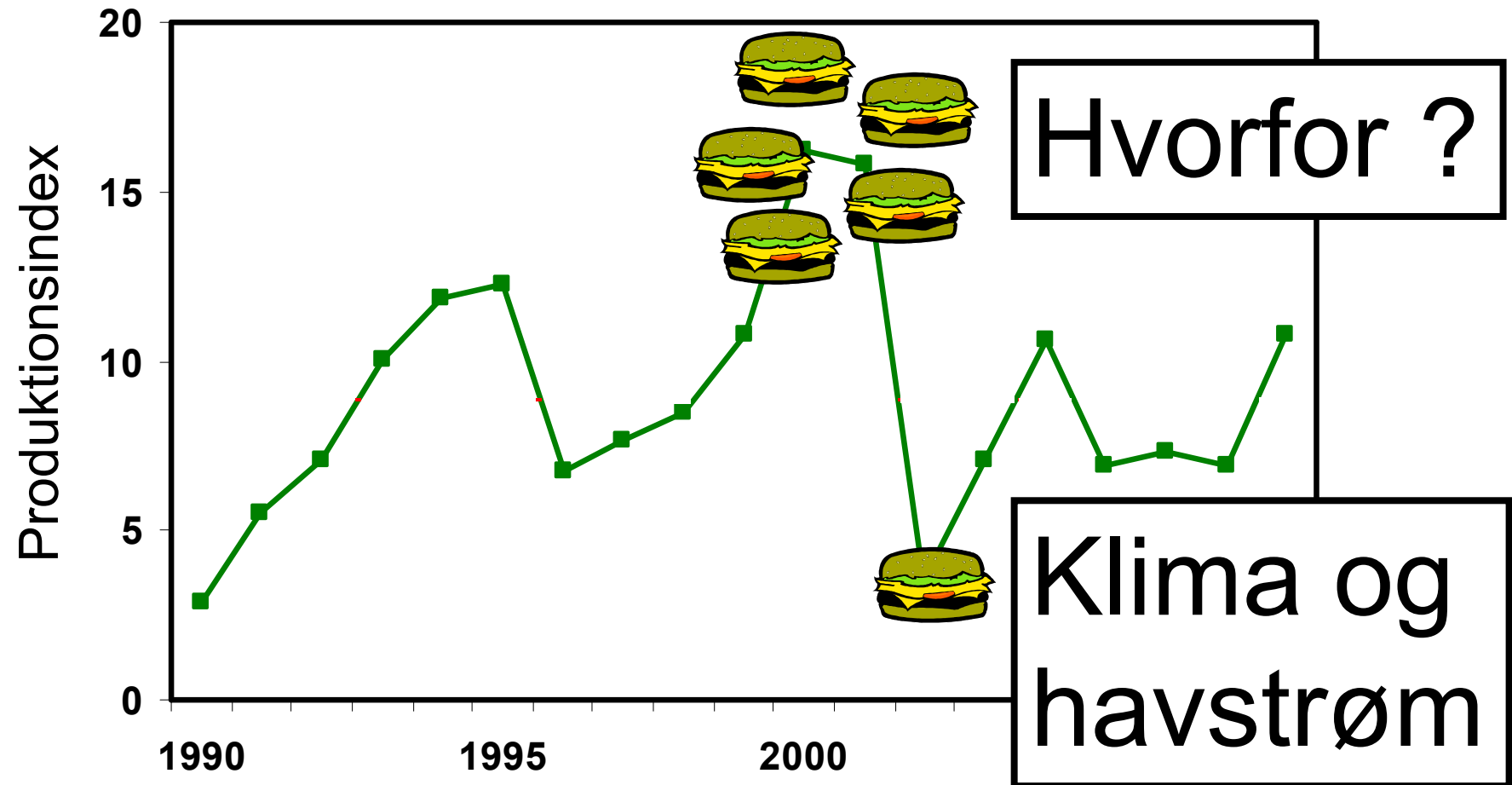


Plante-
plankton



Zoo-
plankton

Planteplankton på Færøshelfen 1990-2008



Regeringen vil tage initiativ til et program for klimaforskning i havstrømme omkring Færøerne med inddragelse af forskningsmiljøer med tilknytning til Nordatlanten

Finanslov 2008:

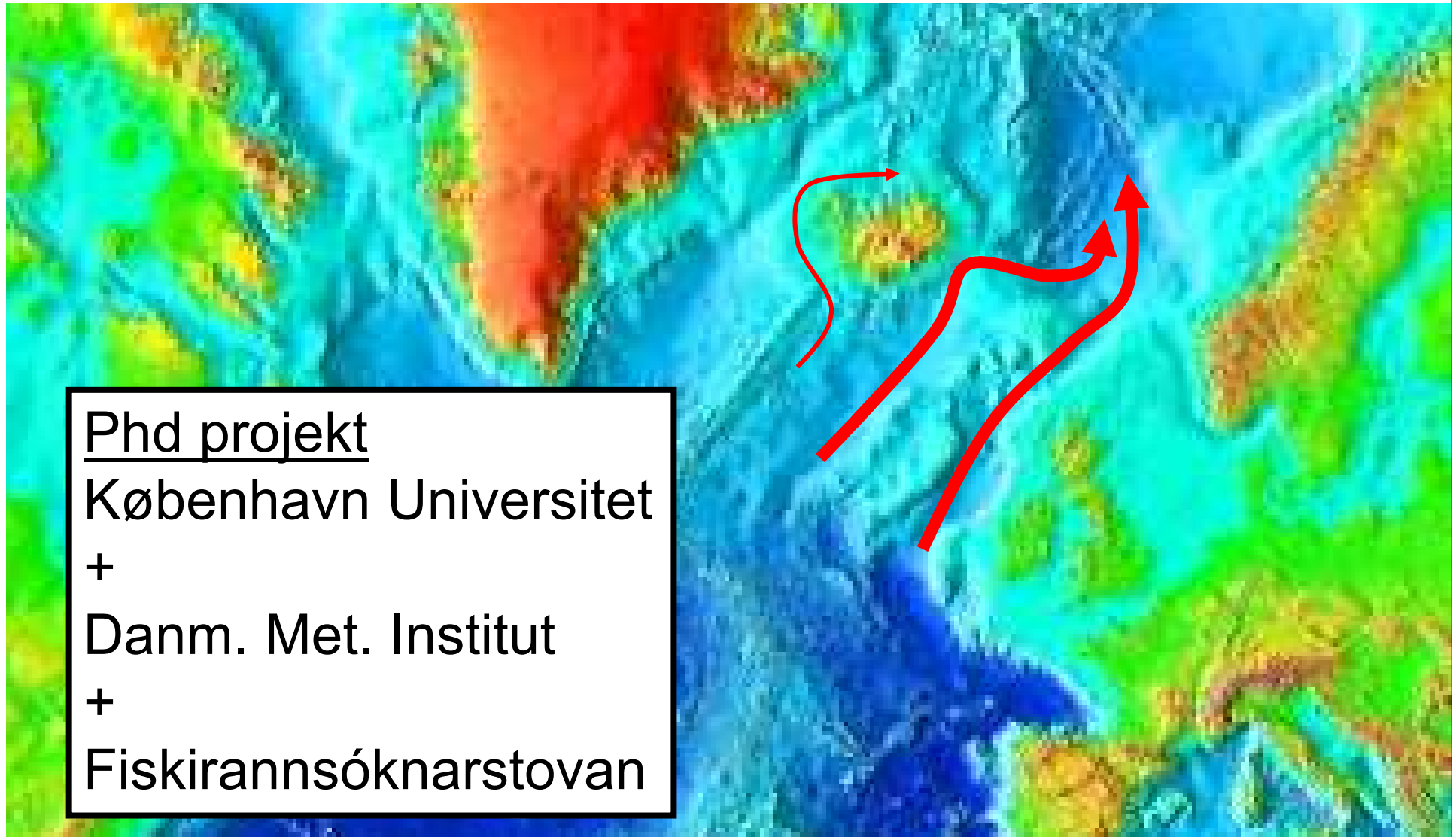
9.2 millioner kr

Udlyst 4 phd stipendier

3 ansøgninger



On the forcing maintaining a flow of Atlantic Water to the ventilation areas in the Nordic Seas and their representation in climate models

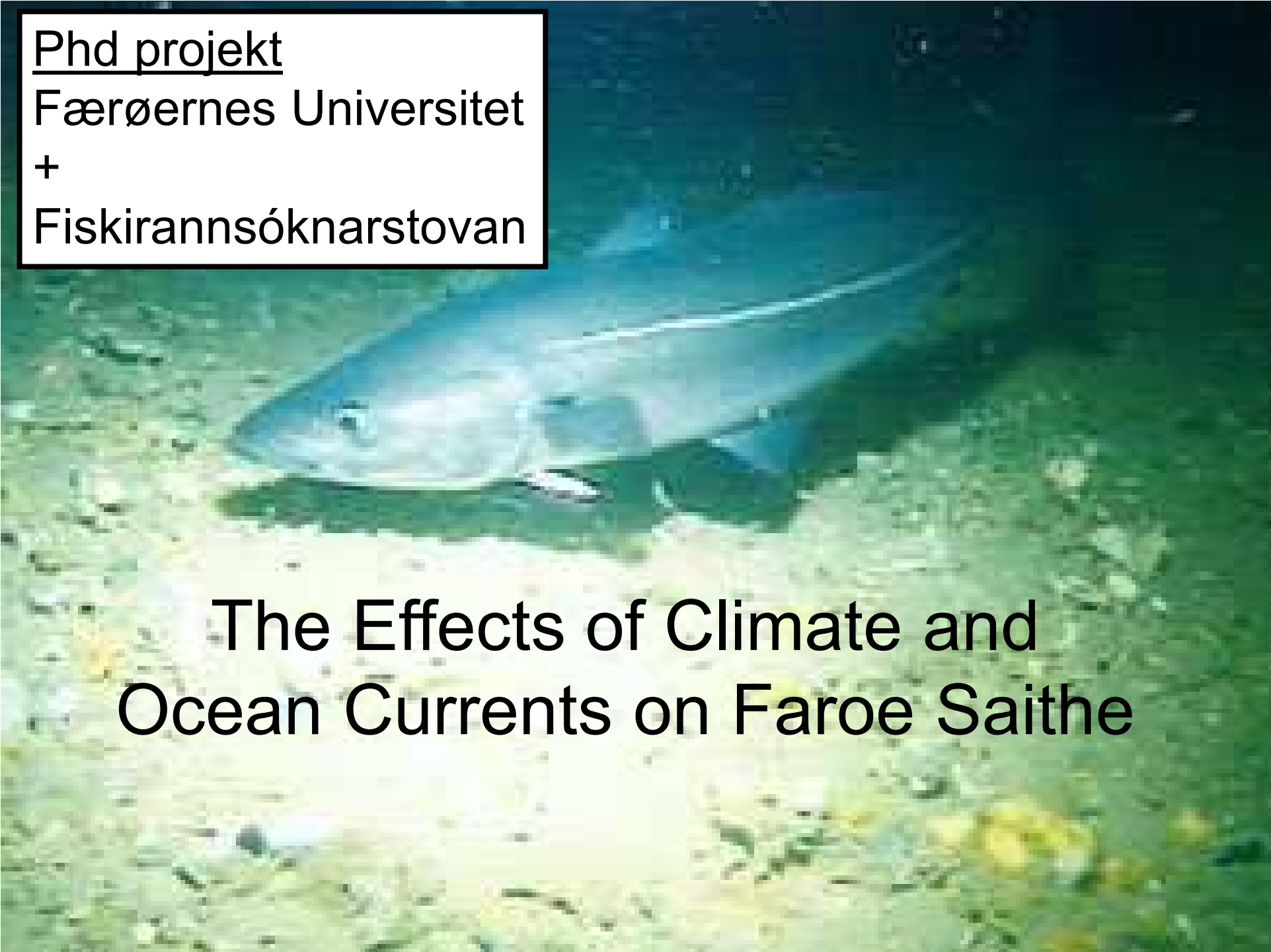


Phd projekt

Færøernes Universitet

+

Fiskirannsóknarstovan



The Effects of Climate and
Ocean Currents on Faroe Saithe

Sandeel, as a link between climate and higher trophic levels on the Faroe shelf

Phd projekt
Aarhus Universitet
+
Fiskirannsóknarst.





Postdoc ved GEUS:
Reconstruction of Holocene
North Atlantic Ocean variability
around the Faroe Islands

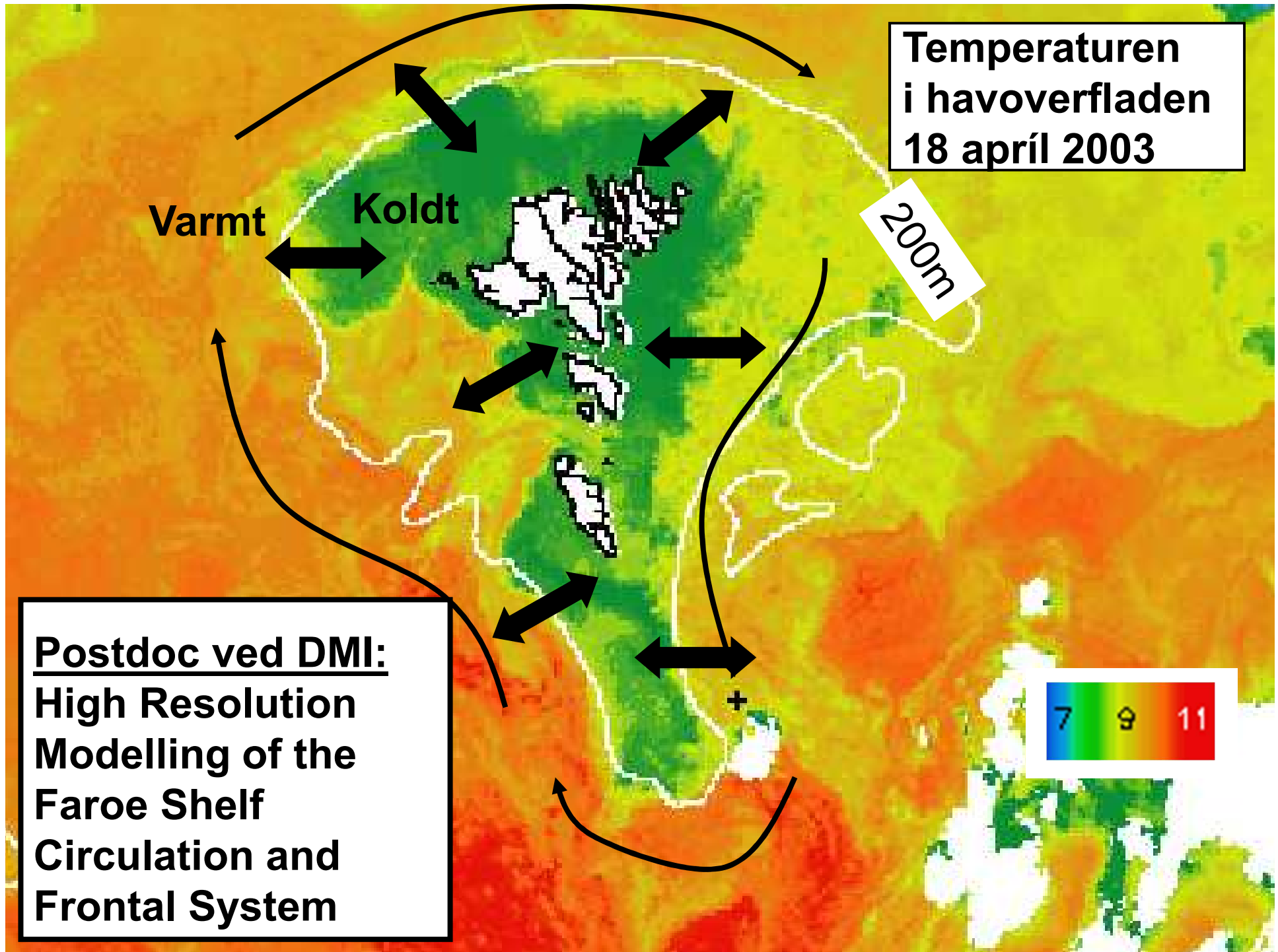
Temperaturen
i havoverfladen
18 april 2003

Varmt Koldt

200m



Postdoc ved DMI:
High Resolution
Modelling of the
Faroe Shelf
Circulation and
Frontal System



A large, white, textured, fish-like creature, possibly a deep-sea fish, is shown in a dark, underwater environment. The creature has a yellowish belly and a long, thin, white appendage that reaches towards a red crab on a dark, rocky surface. The background is dark with some small, glowing particles.

Og det

var det