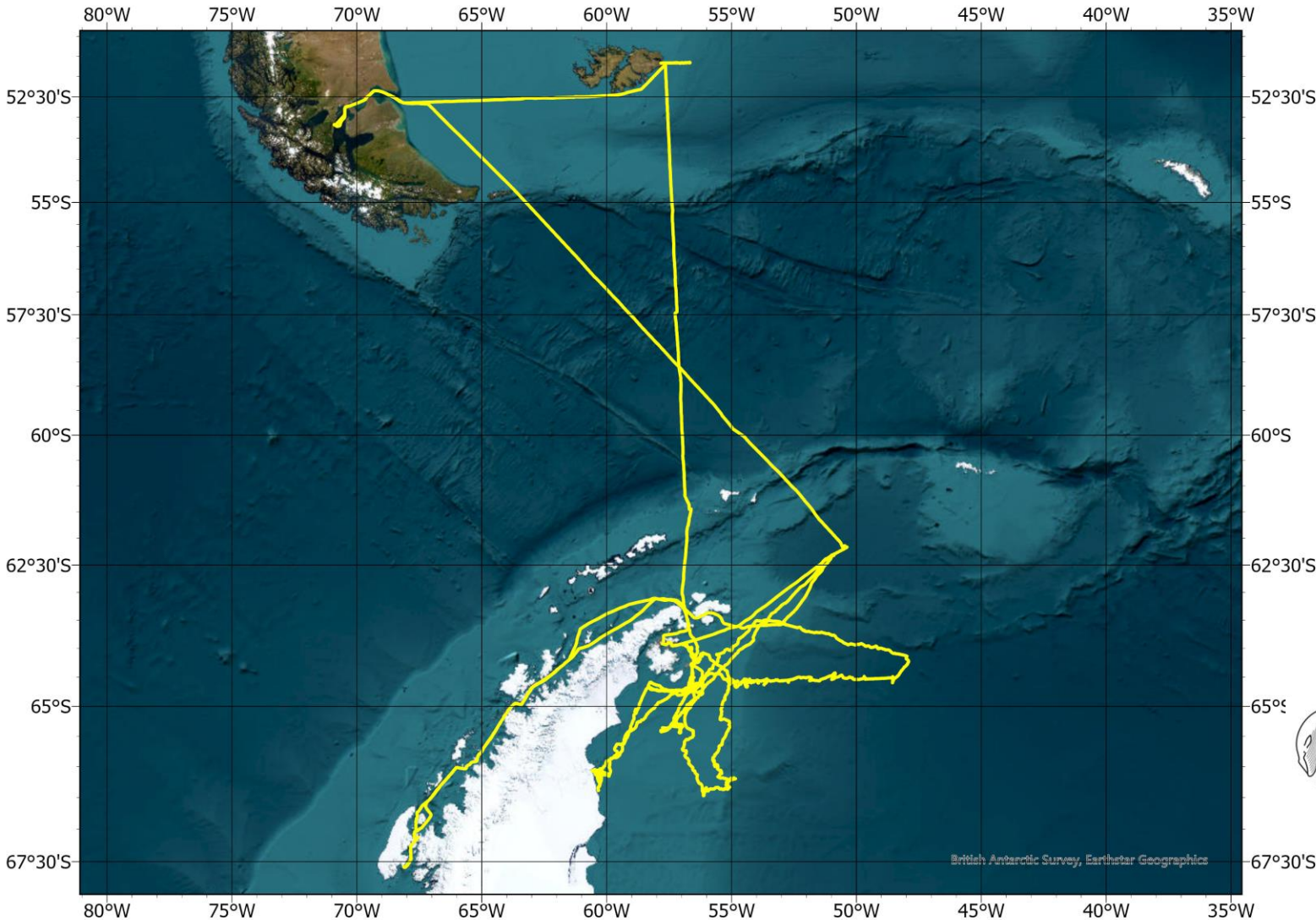


# Processes Influencing Carbon Cycling: Observations of the Lower limb of the Antarctic Overturning (PICCOLO)

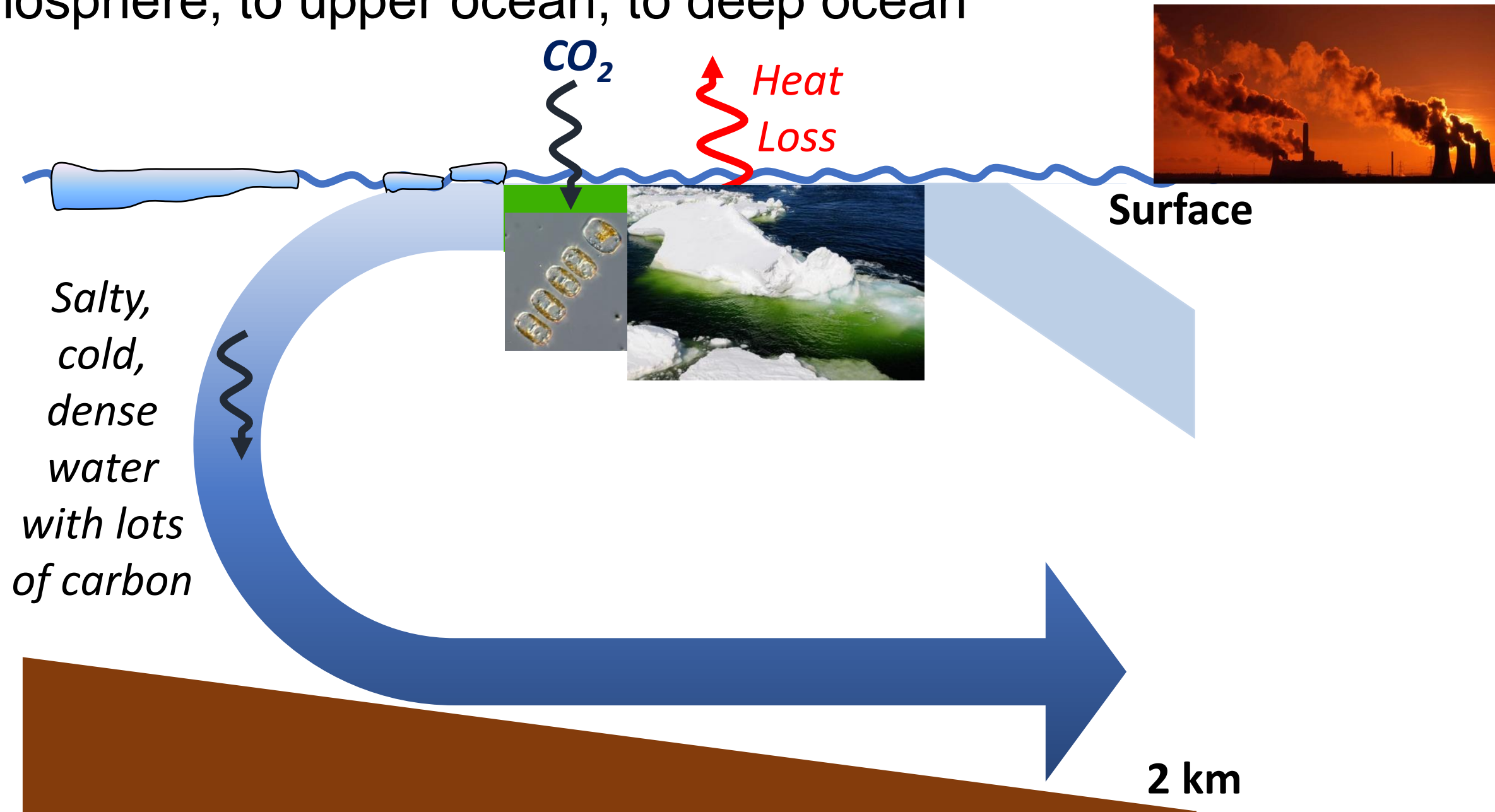
RRS Sir David Attenborough, January-March 2024

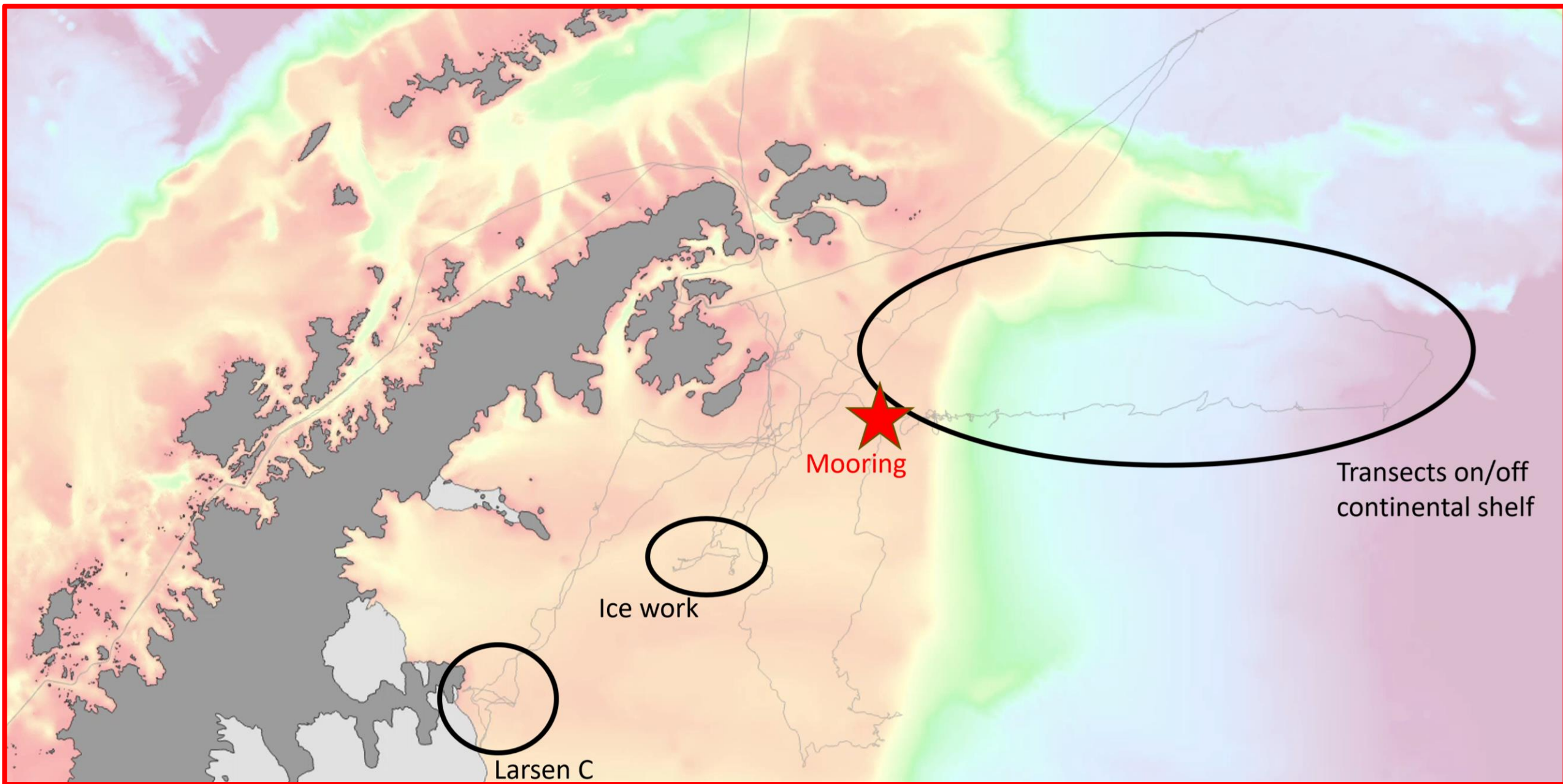


Led by Karen Heywood (UEA)  
and Tom Bell (PML)

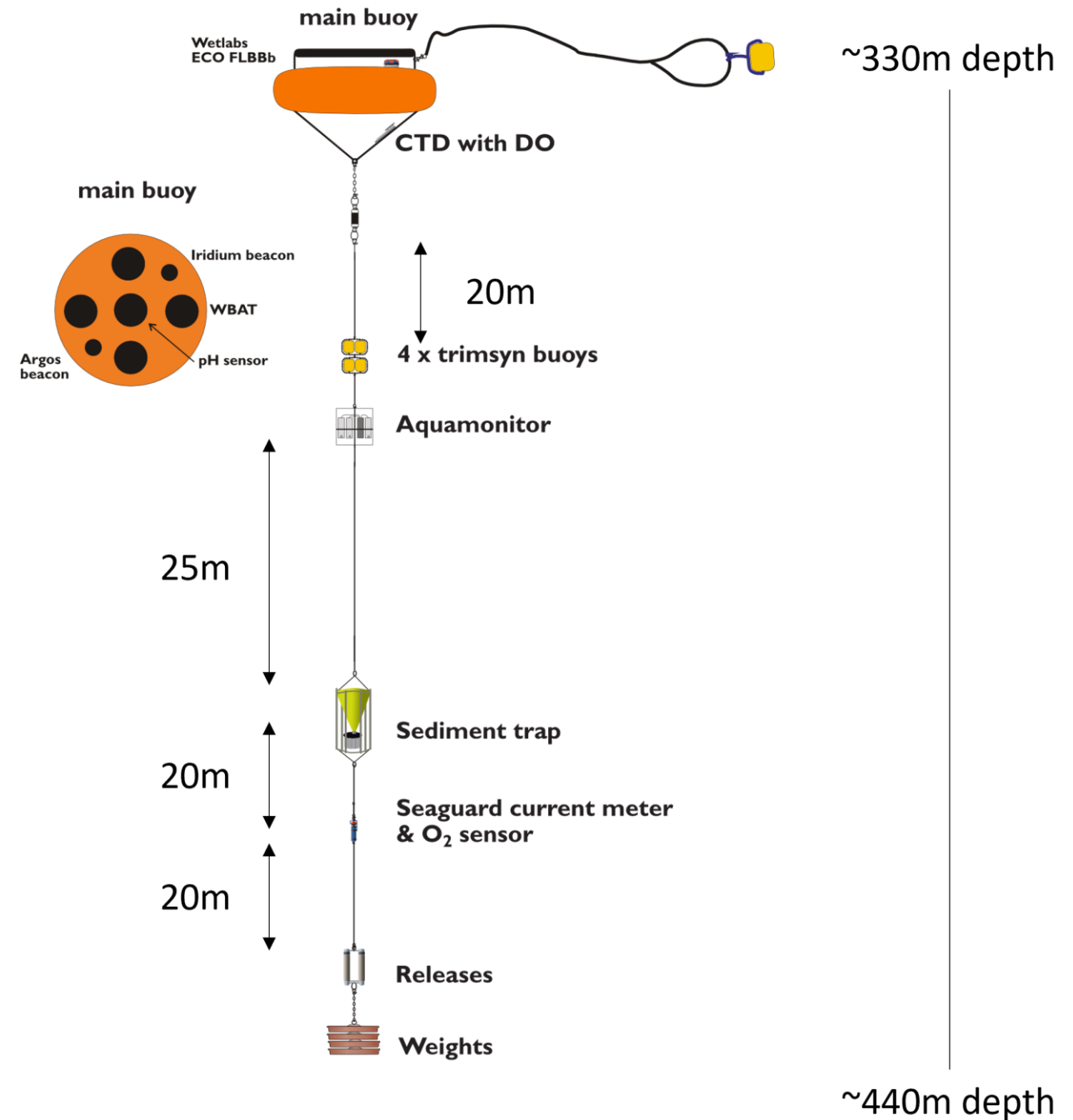


PICCOLO aims to better understand how carbon gets from atmosphere, to upper ocean, to deep ocean

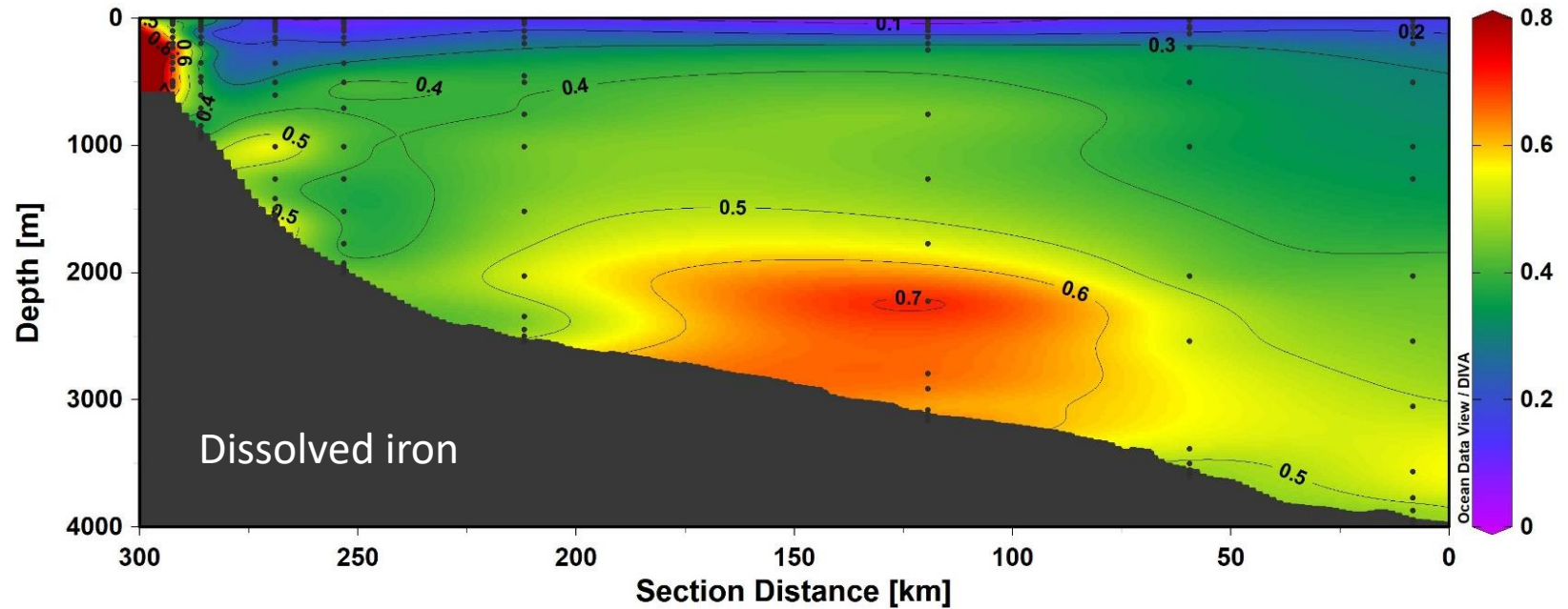
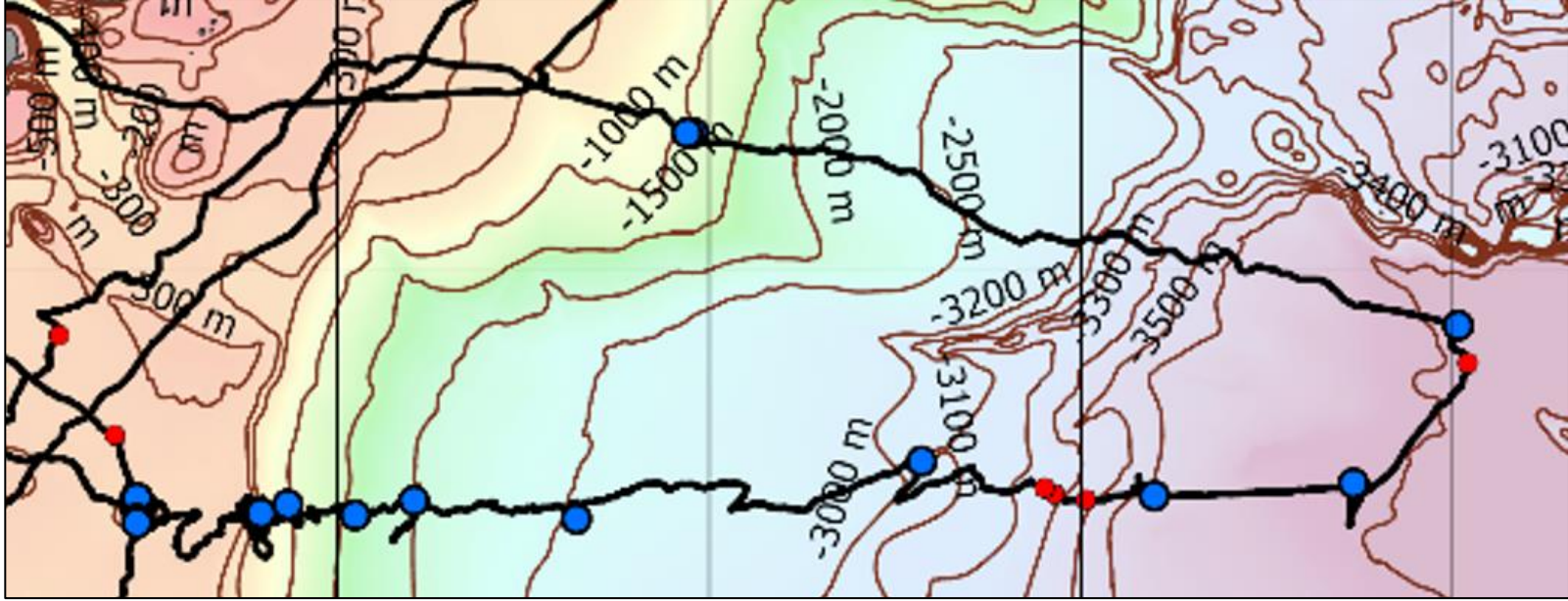




# PICCOLO mooring on the continental shelf recovered, turned around, redeployed and recovered



141 CTD/LADCP stations measuring nutrients, trace metals, radium, primary productivity, chlorophyll, dissolved oxygen, carbonate chemistry, .....

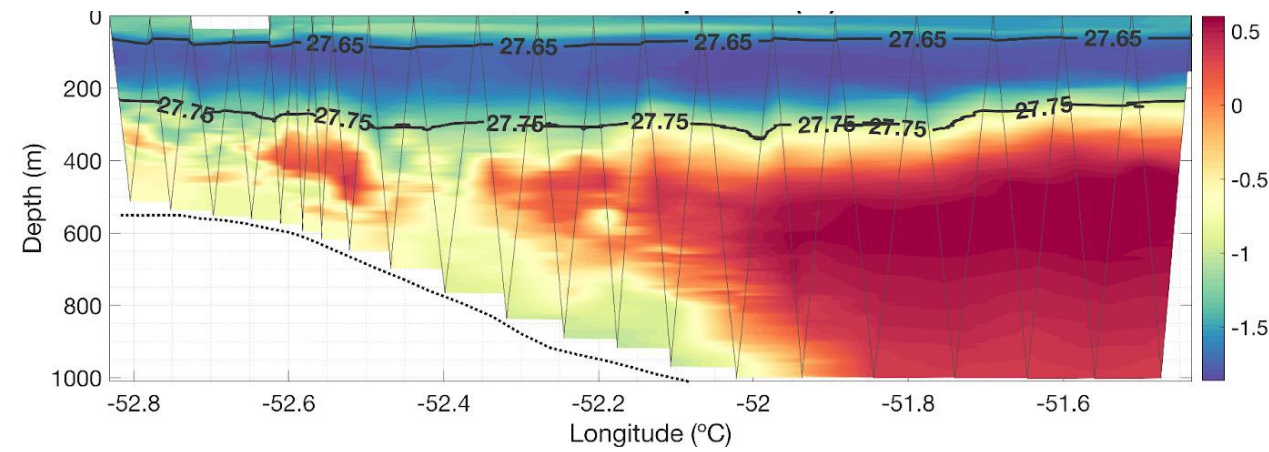


6 floating sediment trap deployments  
9 RMT net tows + lots of mammoth nets  
40 drone flights  
Lots of optics rig deployments



2 days working  
on sea ice

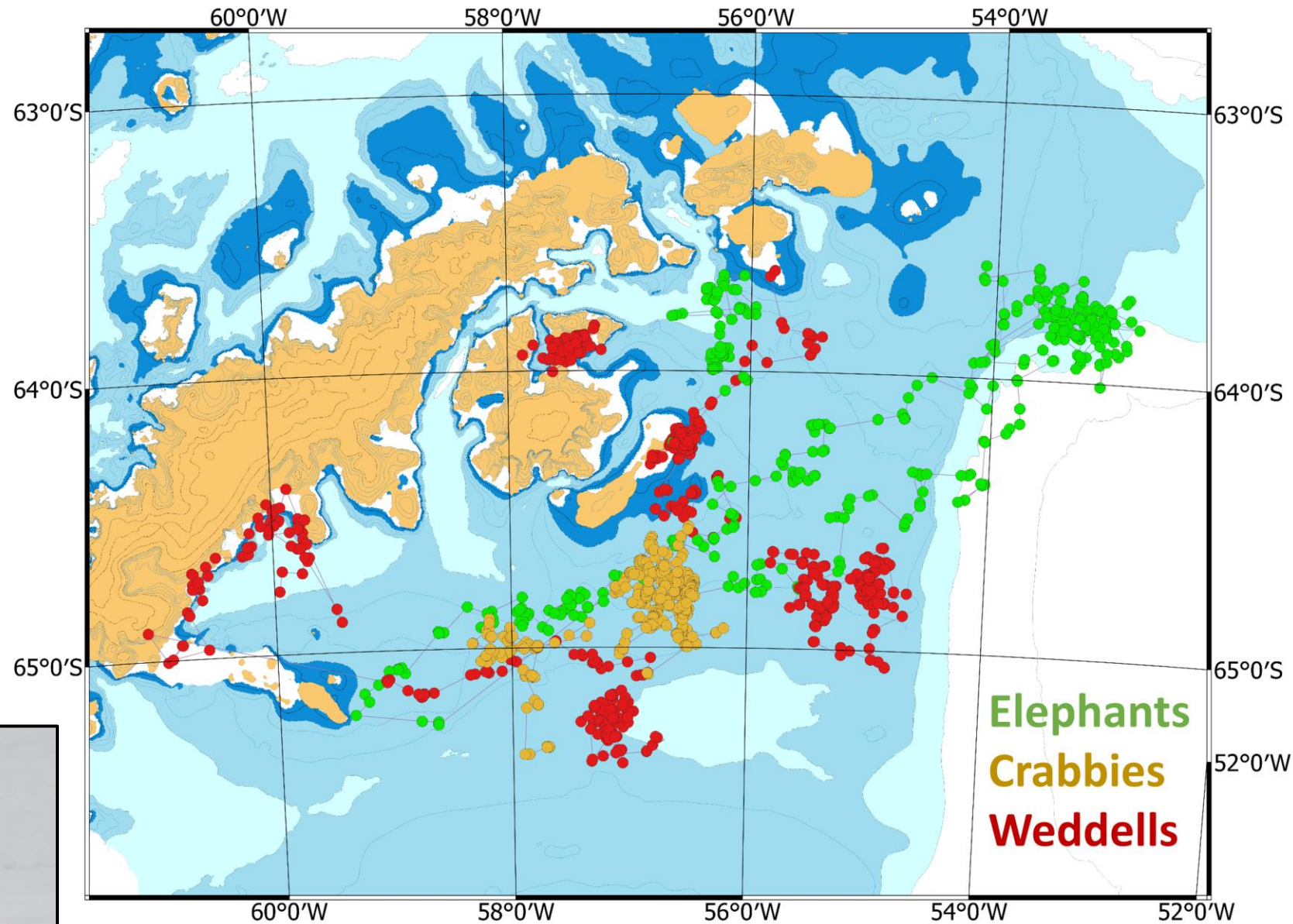




6 Seaglider deployments: at shelf break,  
on the shelf and near Larsen ice shelf  
1 ASV deployment



# 19 seals tagged with sensors



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**PICCOLO blog**