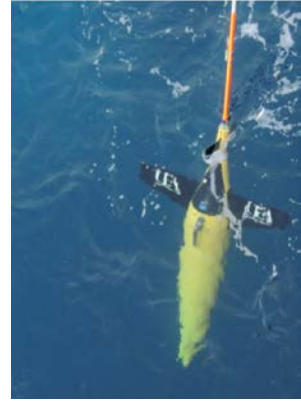
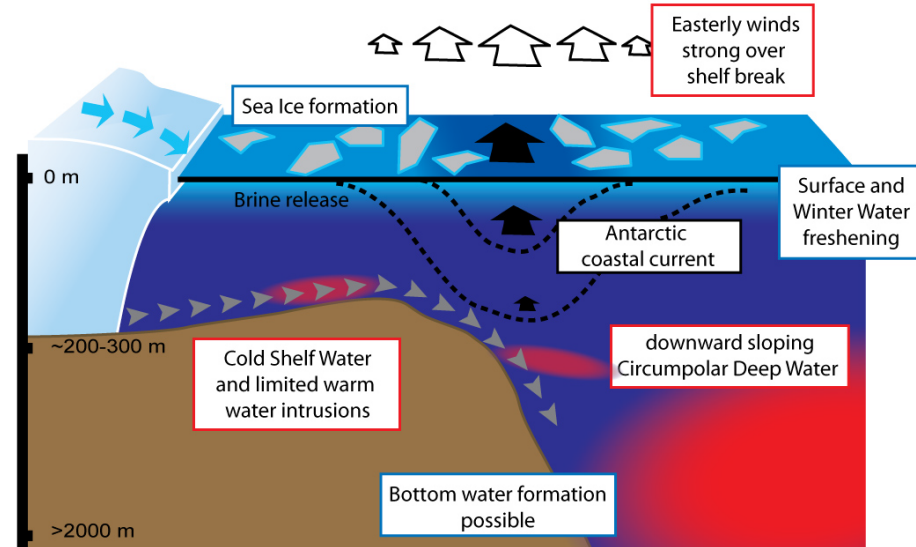
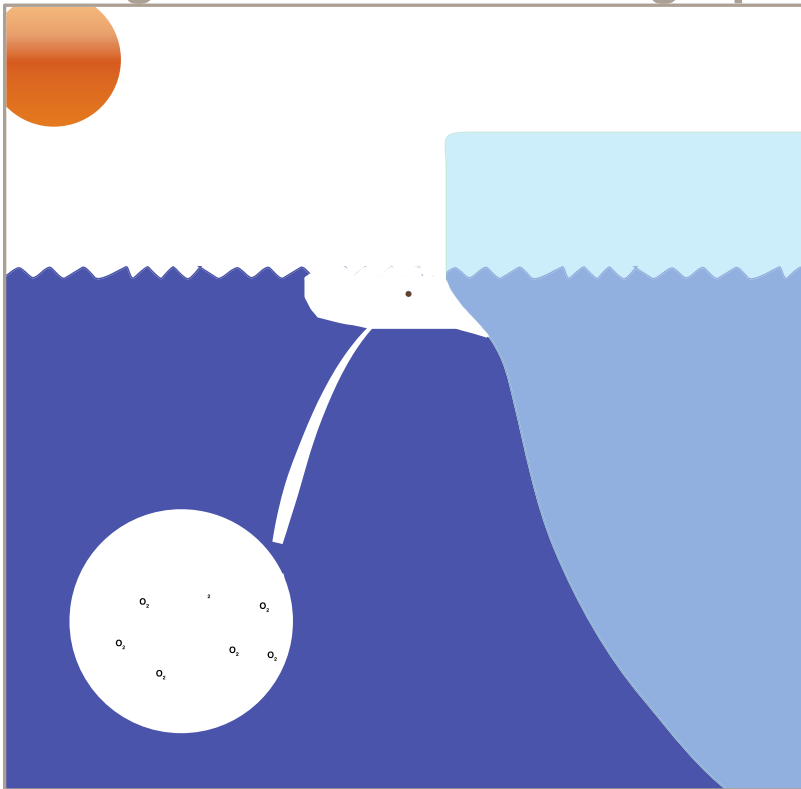


# Challenge 2: Lower limb : Multi-disciplinary processes leading to carbon uptake

Karen Heywood [k.heywood@uea.ac.uk](mailto:k.heywood@uea.ac.uk) and other physical & biogeochemical oceanographers & carbon scientists



- ✦ 25 years of relevant multidisciplinary Antarctic marine field campaigns, projects & publications
  - ✦ WOCE, ADOX, ALBATROSS, Autosub under Ice, SASSI, Ocean2ice, GENTOO, ADELIE,...
  - ✦ UEA ocean glider fleet including turbulence, backscatter, PAR, oxygen, fluorescence, much Antarctic experience including polynyas, sea ice, icebergs, continental slope and shelf
- Thompson et al., *Nature Geoscience*, 2014; Schmidtko et al., *Science*, 2014; Heywood et al., *Phil. Trans.*, 2014; Biddle et al., *GRL*, 2015; Queste et al., *Ant. Sci.*, 2015