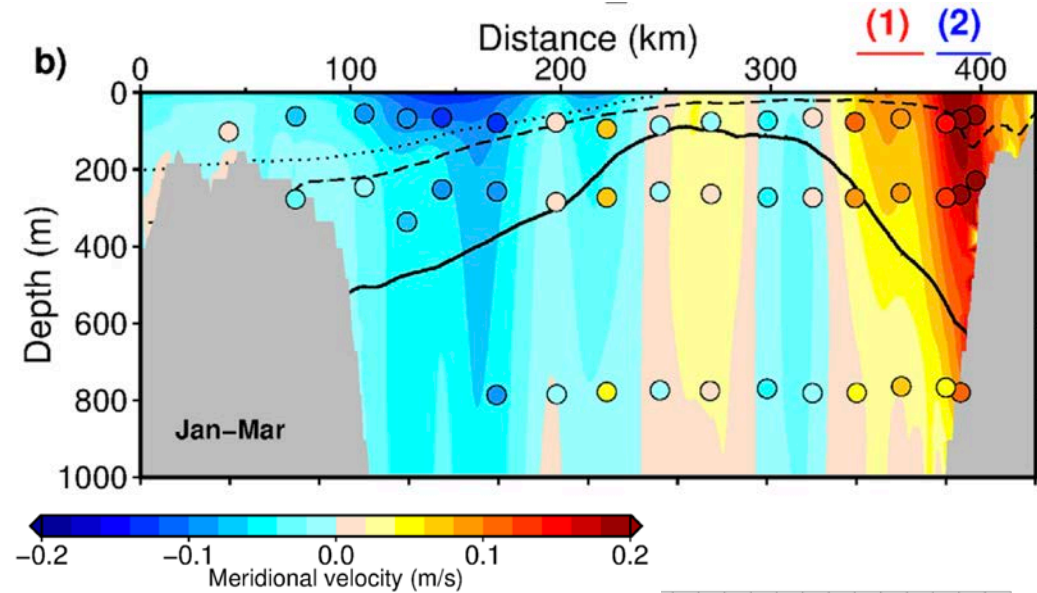
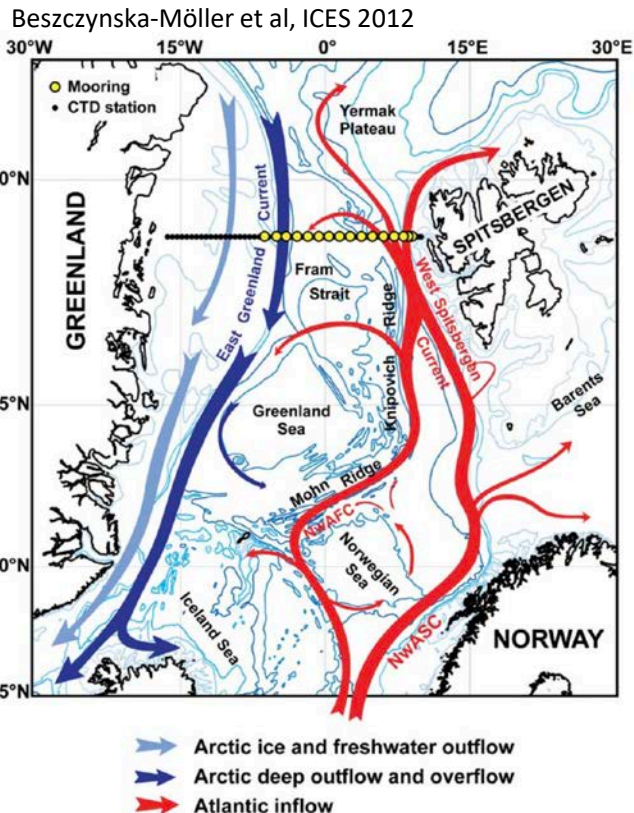


Evolution of the temperature and velocity in the West Spitsbergen Current 1997-2020

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- WSC transports warm salty water northwards into the Arctic Ocean and drives change there
- Moored observations: Temperature, velocity, and (for shorter duration) salinity from six moorings (F1-F6) that slightly changed in configuration over almost 2.5 decades
- Goal: Determine interannual variability and trends; investigate their drivers



Numerical model overlaid by moored observations (circles):
Wekerle et al, JGR 2017

Mooring temperatures averaged over the inner (2) baroclinic and the outer (1) barotropic branch of the WSC:
von Appen et al, unpublished

