Physical Oceanography



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

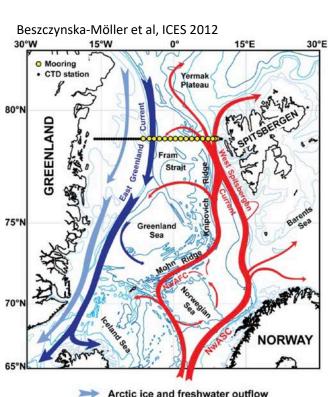
Data: In situ observations (ocean moorings)



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Arctic deep outflow and overflow

Atlantic inflow

- 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

