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- Climates or climate models that differ distinctly in water masses at GSR, would differ distinctly in their northern THC
- Northern THC is mainly constrained by heat
- The relative strength of estuarine vs overturning reflects FW input
- THC is heat <u>and</u> salt; their combined influence can only be captured by considering overturning <u>and</u> estuarine circulations
- E.g., 40 yrs of Barents Sea ice retreat supports ~1.5 Sv (~50 TW) of increased THC

Eldevik and Nilsen (2010)





