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### **TOWARDS MODELING THE CARBON CYCLE OF THE ARCTIC OCEAN**

We use a numerical model to examine the fate of riverine fluxes of dissolved organic carbon (DOC) in the Arctic basin. The model is based on the Arctic sector of an eddy-permitting ocean model (MITgcm), where spherical domain is projected onto a cube to avoid polar a singularity in the Arctic region. The physical model is forced by time-varying NCEP re-analysis products and an explicit representation of fresh water run-off in the Arctic region. Passive tracers and idealized

Oral presentation

Presentation is given by student: No

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