

Connectivity and change in Arctic Basins as recorded by boundary sediments.

Transects of sediment cores would be collected down the slope to the basin for the entire Arctic Margin (International effort to do this). These would be analyzed with a common protocol for geochemical properties including redox tracers, biomarkers and isotopic markers. The idea would be to look for modern margin fluxes to sediments, sources of material and changes in those sources within the time resolution of the cores.

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