Bottom water concentrations TOC, O₂, NO₃, SO₄, NH₄, H₂S, PO₄... Tmp, w, depth **OMEN-SED cGENIE** 30 atitudenitrate reduction 0 sulfate reduction -30 nethanogenesis -60 -90 Mineralization -180-90 90 180 Longitude TOC burial,

SWI fluxes O2, NO3, SO4, NH4, H2S, PO4...