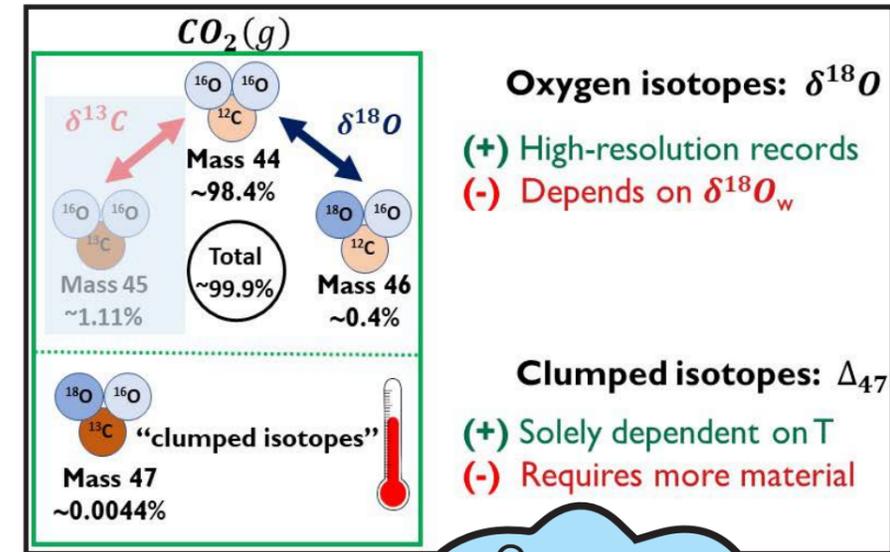
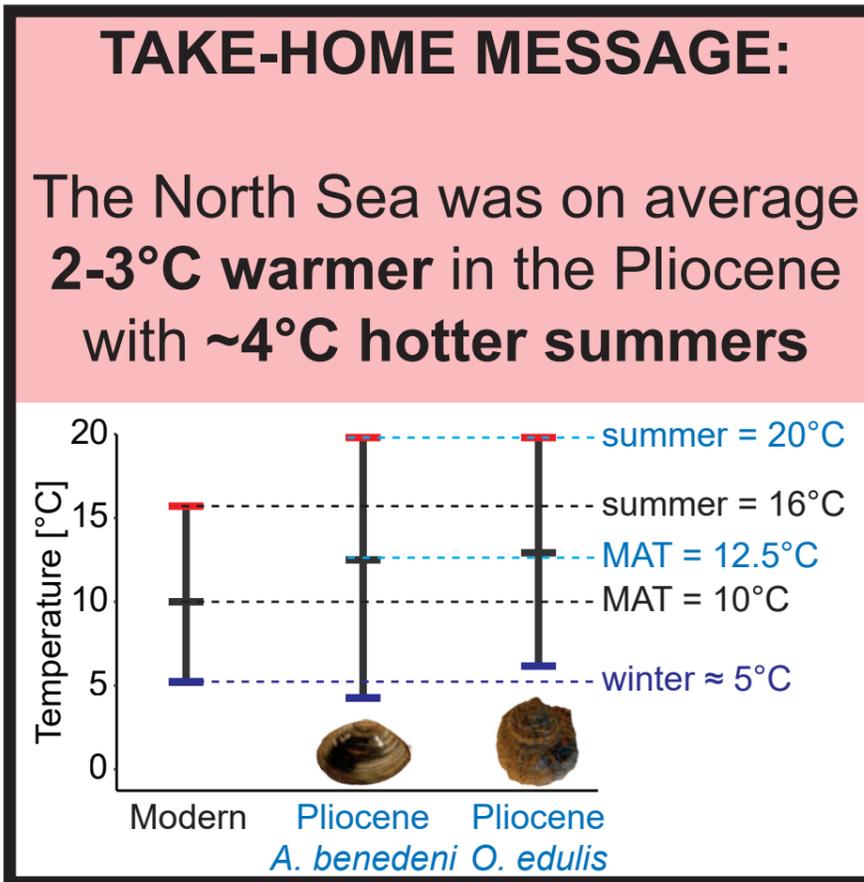
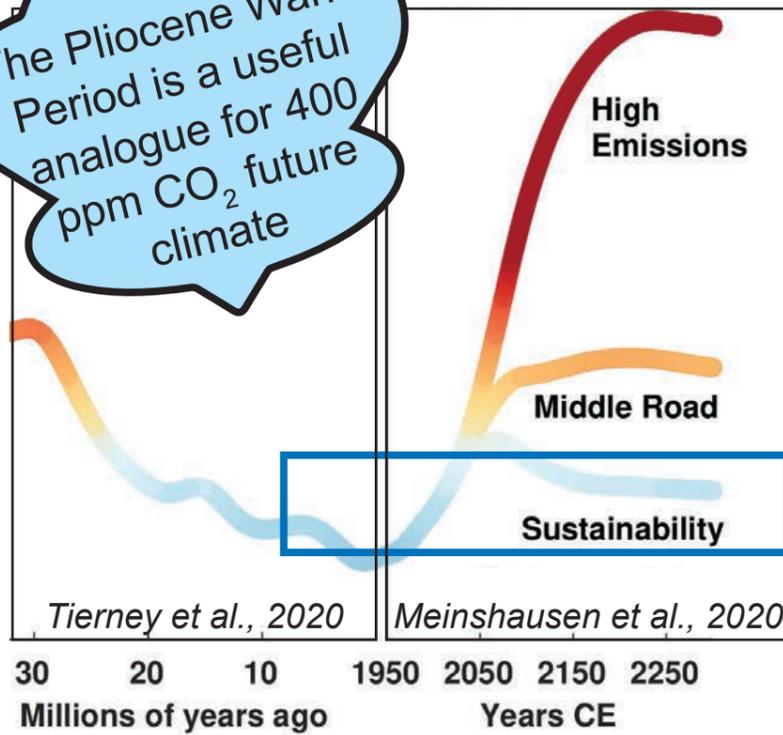


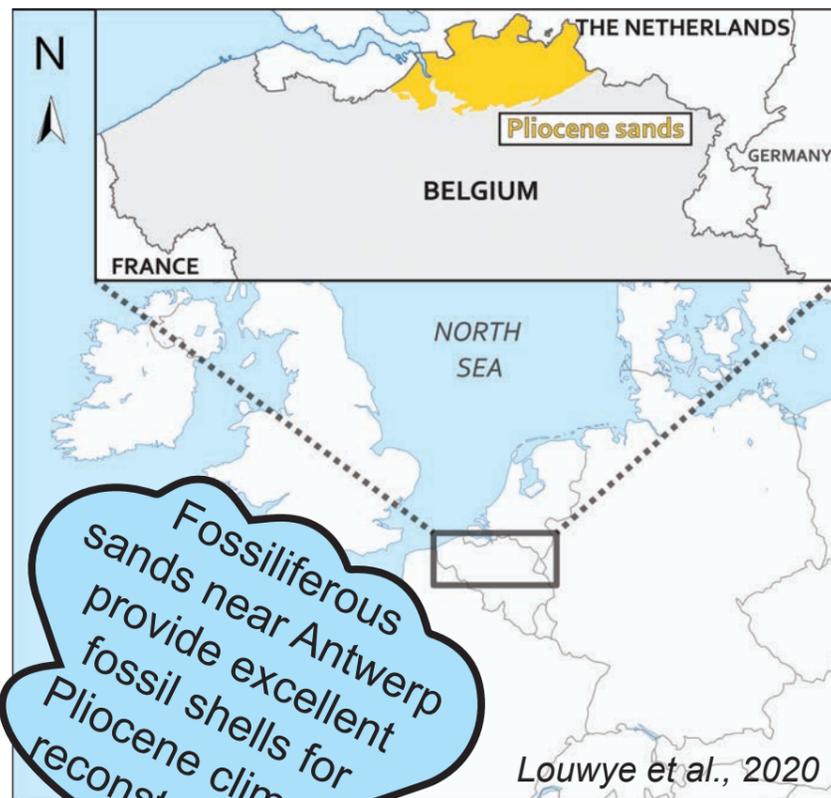
Seasonal variability in a warming climate: Lessons from the Pliocene Warm Period and beyond

Niels J. de Winter^{1,2}, Nina Wichern^{1,3}, Jennifer Franke¹, Lenette de Gier¹, Stijn Goolaerts⁴, Andrew L.A. Johnson⁵, Martin Ziegler¹

The Pliocene Warm Period is a useful analogue for 400 ppm CO₂ future climate



Combining samples from summers and winters based on $\delta^{18}O$ yields accurate clumped temperature seasonality



Fossiliferous sands near Antwerp provide excellent fossil shells for Pliocene climate reconstructions

