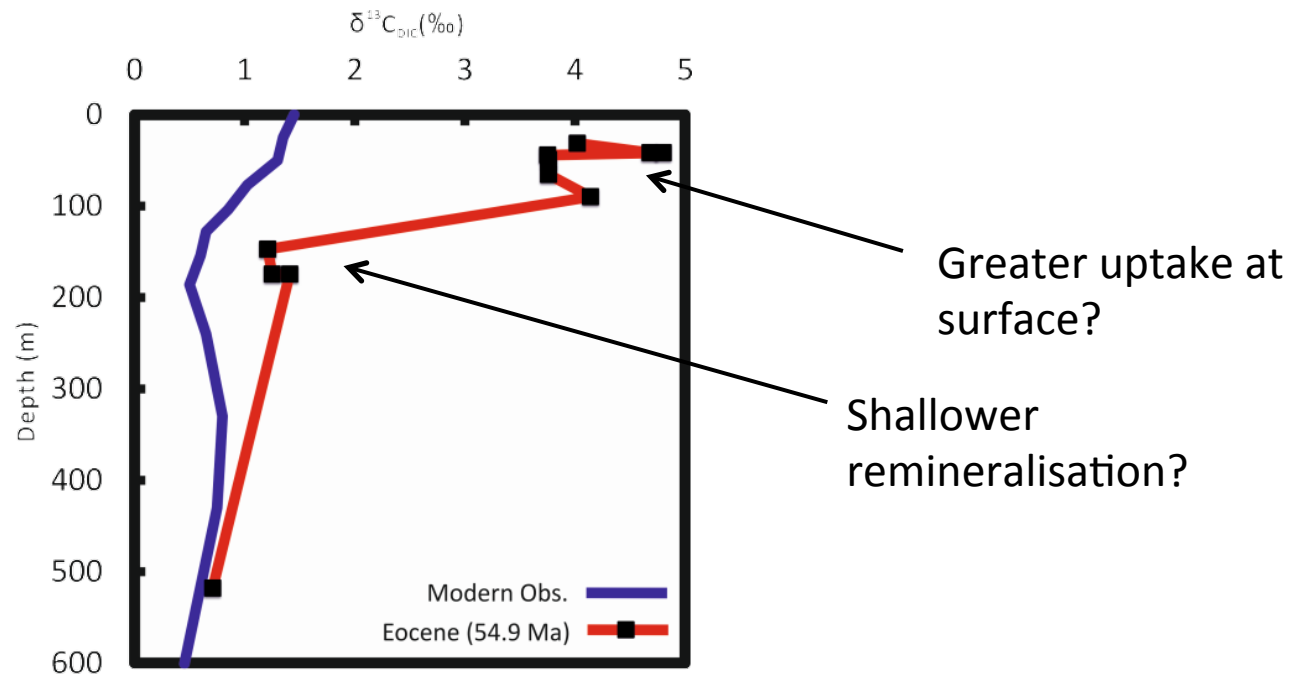
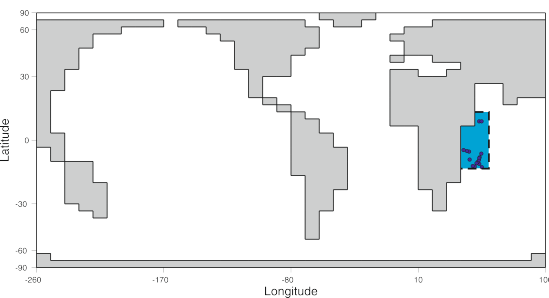


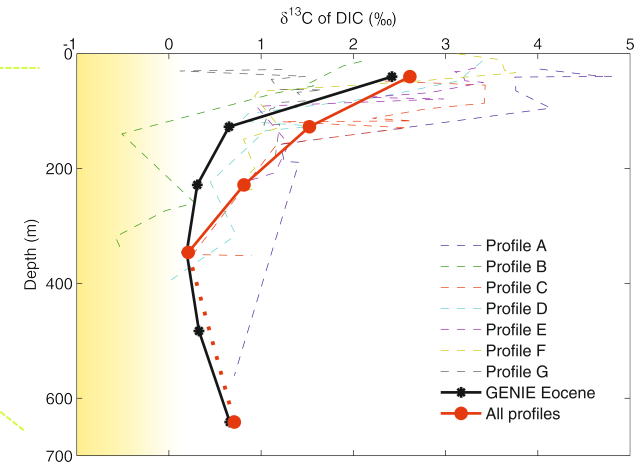
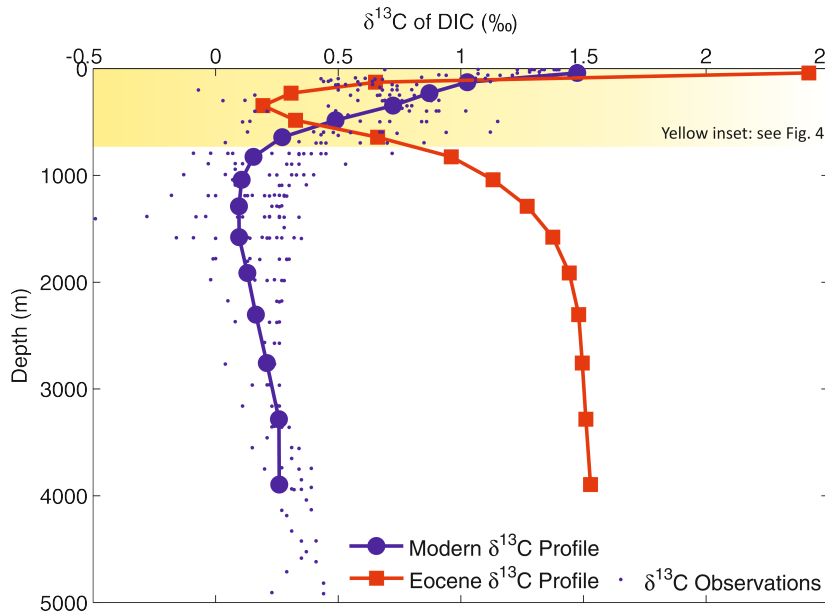
**Key Aim:** Are reconstructed Eocene  $\delta^{13}\text{C}$  profiles consistent with temperature dependent remineralisation rates?



Location:



**Modelling:** Temperature dependent remineralisation rate incorporated into GENIE, calibrated, and applied to Eocene configuration.



**Implications:** Explore the biological pump in a warm high  $\text{CO}_2$  climate. Comparison against other mechanisms such as ballasting.