

Climate Change Velocity: Past, Present, and Predicted Erin Keleske and Drew Kerkhoff

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GOALS

-Model paleoclimate space over the last 55 million years based on data from the lab of David Beerling (Beerling et al., 2011) -Calculate the velocity of climate change (Loarie et al., 2009) between key points in our climatic history using methods proposed by Hamann et al. (2015).



TEE: Terminal Eocene Event (33 mya) MCO: Miocene Climatic Optimum (15 mya) LGM: Last Glacial Maximum (22,000 ya)







Annual Precipitation

1000

3000

2000

1000

4000

5000

6000

2000 3000 4000 5000 6000