

How to Build a Climate Record: Decoding the History of Thwaites Glacier



What is climate and why is it important to study? Thwaites Glacier brought UK and US researchers together as a part of the International Thwaites Glacier Collaboration to understand the history of this glacier and how its future will have impacts on the whole globe. We will talk about methods of collecting paleoclimate records and some of the findings about what is happening in Antarctica.



I am a research scientist studying for my PhD in Earth and Climate Sciences at the University of Maine. In 2019, a team of researchers from the UK and the US went down to Thwaites Glacier in Pine Island Bay, Antarctica to understand the history of this glacier and its possible impact on future climate for people all over the globe. I was fortunate to be a part of this group and worked on some important findings about Thwaites' glacial rebound history (GHC team). I have had the chance to also work on climate records in the Falkland Islands, Baxter State Park in Maine, and the central Sierra Nevada of California and I focus on the last 20,000 years.

