

# Erosion rates and burial ages of uplifted fluvial-deltaic deposits in NE Sicily

*Utah State University*



We are dating and determining erosion rates for Pleistocene fluvial-deltaic deposits in Sicily to constrain the timing and rates of local tectonic processes. These datasets will be used to investigate how tectonics and climate conspire to form sedimentary archives and geomorphic markers. We are also exploring if luminescence properties of quartz sand from these deposits can be used as a proxy for environmental changes.



**Visitor:** Natalie Tanski

**Visit dates:** March 4 - 9, 2024

I am a PhD candidate in the Geosciences Department at Utah State University, and I am advised by Dr. Tammy Rittenour. I am visiting the CCF to get hands-on training and to learn about Be/Al extraction.