Landscape responses of soil production and mixing to climate change using cosmogenic nuclides & OSL

Universidade Federal da Bahia (UFBA), Brazil



Highly weathered soils, such as Ferralsols, persist in semiarid landscapes despite changing climatic conditions. However, the roles of soil production and mixing in their evolution remain poorly understood. We aim to investigate these processes using cosmogenic nuclides (^{10}Be and ^{26}Al) and optically stimulated luminescence (OSL) in northeastern Brazil.





Visitors: Grace Alves and Matheus Figueiredo

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Grace Alves is an Assistant Professor at the Federal University of Bahia (UFBA), Brazil, and a former visiting researcher at Queens College (CUNY). Her research focuses on soil genesis and landscape evolution under climate change. Matheus Figueiredo is a PhD student at UFBA studying soil–landscape evolution in semiarid Brazil.