Dr. Bob Booth (Lehigh University, USA)
“Wetland and forest responses to Holocene moisture variability: insights from the peatland paleoenvironmental archive”

Abstract: Paleoecological records of testate amoebae from peatlands have been widely used to examine past ecological, hydrological, and climatological changes. Several decades of modern ecological studies, modeling efforts, and multi-proxy comparisons inform interpretation of these records, with recent continental-scale syntheses of calibration datasets in Europe, North America, and Asia. In this talk, I will review these efforts and discuss the development of the Neotoma testate amoeba database, and then highlight several case studies where the peatland archive has revealed critical insights into Holocene forest and peatland dynamics.

For more details of the full seminar series please go to the SACCOM webpage at: https://www.inqua.org/commissions/saccom/ifg. Please see the Zoom link below.

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