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My research interests cover a wide range of topics within global biogeochemical cycles, with a focus upon palaeoenvironmental science. My particular interests include radiocarbon (^{14}C) dynamics within marine and terrestrial systems over extended timescales, and the influence of production mechanisms and subsequent environmental conditions upon cycling of 'Black Carbon' in natural environments. My work is strongly interdisciplinary in nature, utilizing a wide range of techniques (e.g. AMS, NMR, FTIR spectroscopy, stable isotopic analysis). Current projects include the application of pyrolysis at high hydrogen gas pressures (hy-py) in Black Carbon quantification, the quantification of Marine ^{14}C Reservoir effects in the high latitude North Atlantic, and the complementary use of stable isotopes and ^{14}C in palaeodietary and ecosystem analysis.