



A novel method for quantifying palaeo-precipitation for palaeosols on the Chinese Loess Plateau

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This presentation demonstrates a novel geochemical approach to estimating palaeoprecipitation values for two selected palaeosols on the Chinese loess plateau. The method is based on calculating the mass loss of minerals by weathering processes, and then using the results to estimate the runoff required to remove these minerals. The volume of precipitation compatible with this runoff can then be calculated. Preliminary results will be presented comparing the new estimates with results obtained from existing palaeoprecipitation proxies.