

Current MSc-Project within the Paleoecology section

Neolithization processes and vegetation dynamics in Northern Greece

The Macedonian region in Northern Greece has been an important waypoint for the spread of the Neolithic revolution to Central Europe. A former MSc student of our group recently reconstructed past local vegetation and fire history at Limni Zazari with a special focus on past land use and its impact on both aquatic and terrestrial environments (Gassner et al., in review). The new MSc-project would provide further insights into the linkages between climate, vegetation, fire and the spread of agriculture by analyzing pollen, macrofossils and charcoal from a second site in the area. This would significantly increase the spatio-temporal resolution of Neolithization processes and vegetation dynamics in Northern Greece.

Methods: Pollen, macrofossil and charcoal analysis, numerical techniques, geochemical analyses (XRF, Hyperspectral Imaging)

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Our UWITEC coring platform on Lake Kastoria, a potential study site for a future MSc-project in Northern Greece.