Accretional soil formation in northern hemisphere loess regions - evidence from OSL-dating of the Pleistocene-Holocene climatic transition from China, Europe and North America

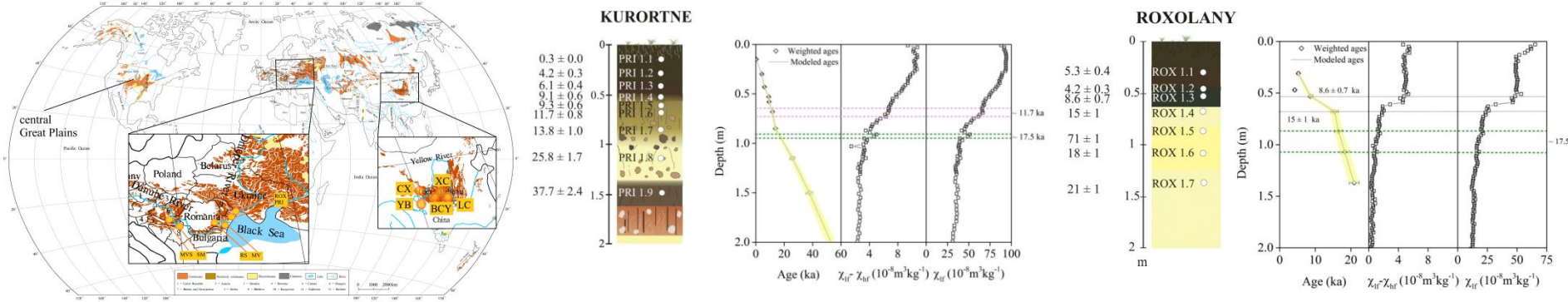
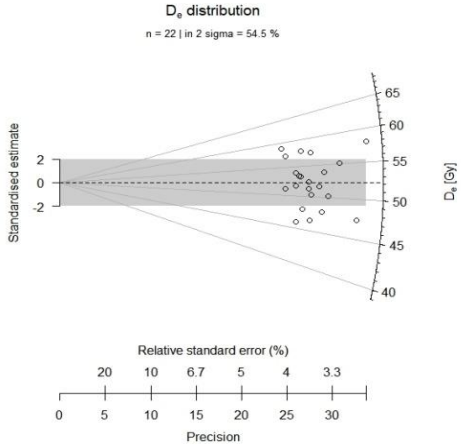
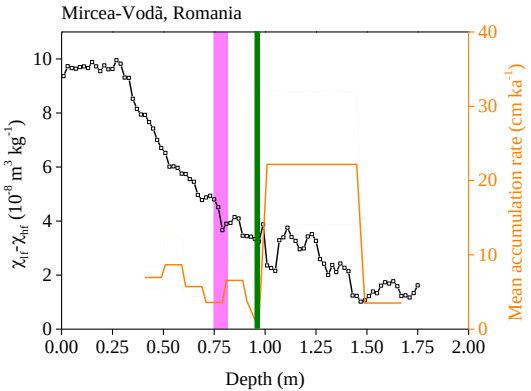


Figure 1. Map of worldwide loess distribution modified after **Li et al. (2020)**. The nine investigated loess sites are indicated on the map.

- ✓ High-resolution magnetic susceptibility record as paleoclimate proxy
- ✓ High-resolution luminescence dating applied on multiple quartz fractions
- ✓ Initiation of magnetic susceptibility enhancement dated prior to ~11.7 ka
- ✓ Continuous dust accumulation during Pleistocene-Holocene transition and in Holocene
- ✓ Accretional Holocene soils in European, Chinese Loess Plateau and US loess sites





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