

Supplement to: “Reviewing the Palaeoenvironmental Record to Better Understand Long-Term Human-Environment Interaction in Inner Asia During the Late Holocene”

M. Spate, C. Leipe, G. Motuzaite Matuzeviciute

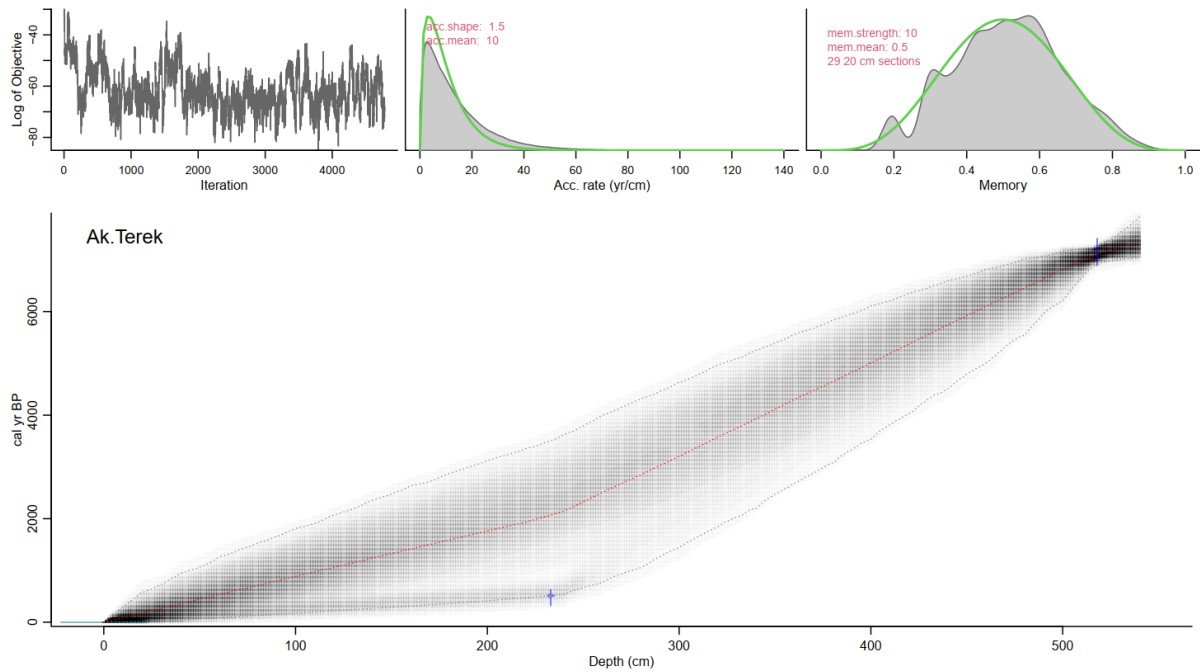


Figure S1: Bacon (Blaauw and Christen, 2011) age depth model, Ak Terek core. thick = 20, all other priors set as default. Original publication (Beer et al., 2008), data source (Ammann et al., 2021a).

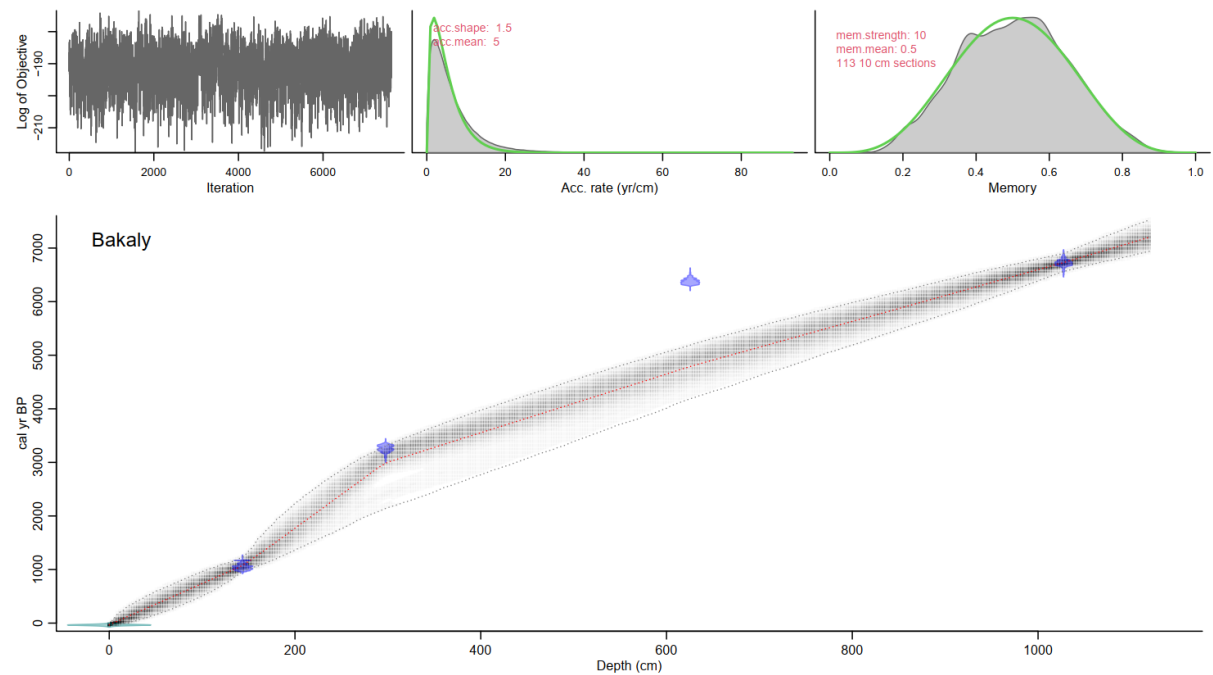


Figure S2: Bacon (Blaauw and Christen, 2011) age depth model, Bakaly core. All priors set as default. Original publication (Beer et al., 2008), data source (Ammann et al., 2021b).

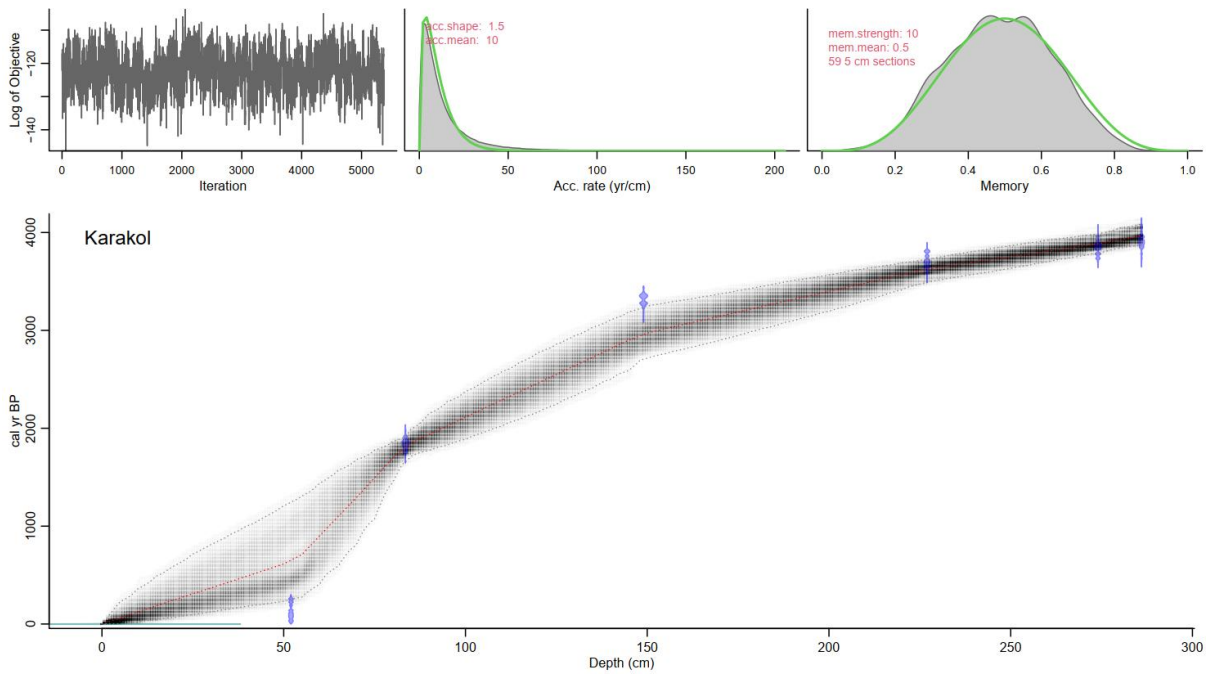


Figure S3: Bacon (Blaauw and Christen, 2011) age depth model, Karakol core. thick = 5, all other priors set as default. Original publication (Beer and Tinner, 2008), data source (Tinner and Beer, 2021).

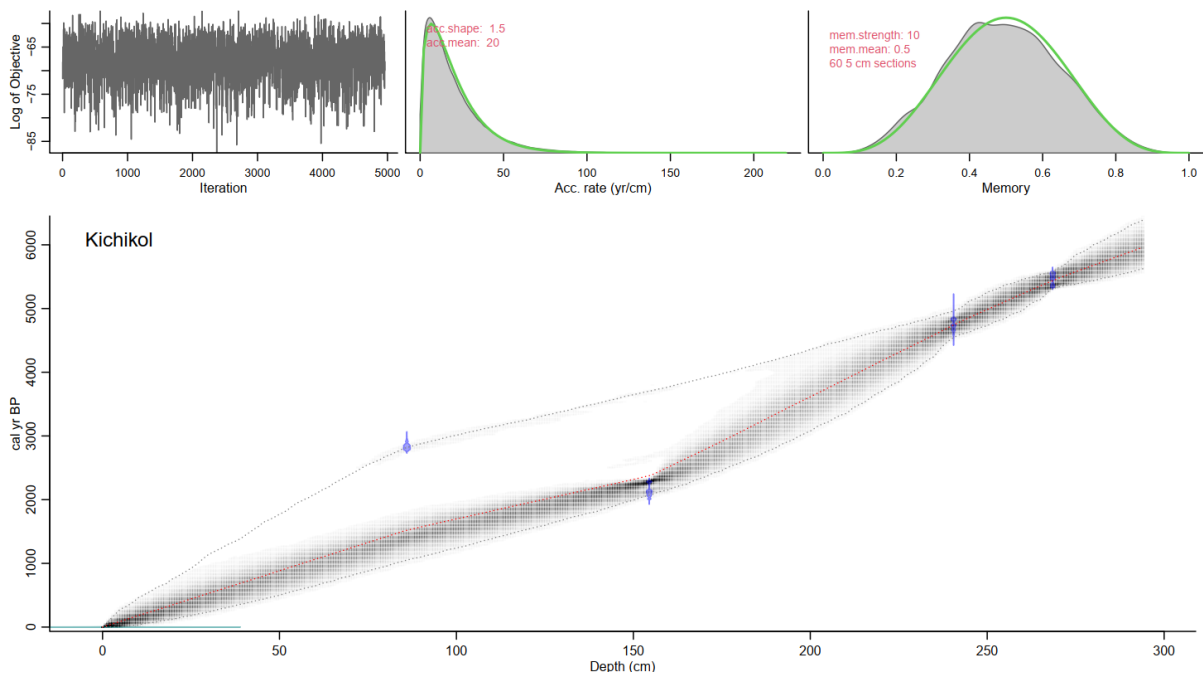


Figure S4: Bacon (Blaauw and Christen, 2011) age depth model, Kichikol core. thick = 5, all other priors set as default. Original publication (Beer et al., 2007), data source (Heiri et al., 2021).



Figure S5: Ak Terek – Bacon mean age, select pollen and NPP concentrations, annual charcoal influx. Original data source (Ammann et al., 2021a)

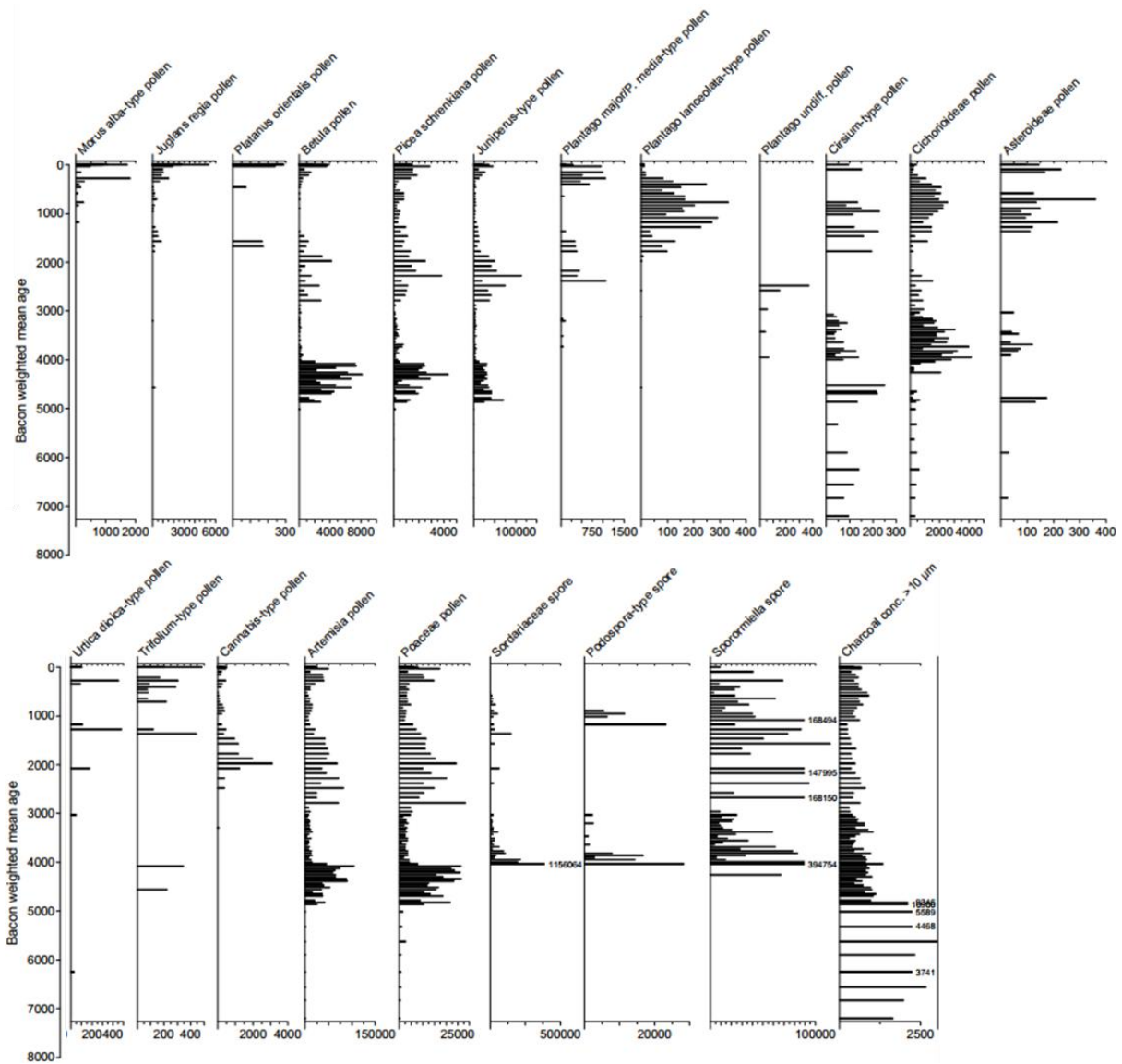


Figure S6: Bakaly – Bacon mean age, select pollen and NPP concentrations, charcoal concentration.
 Original data source (Ammann et al., 2021b)

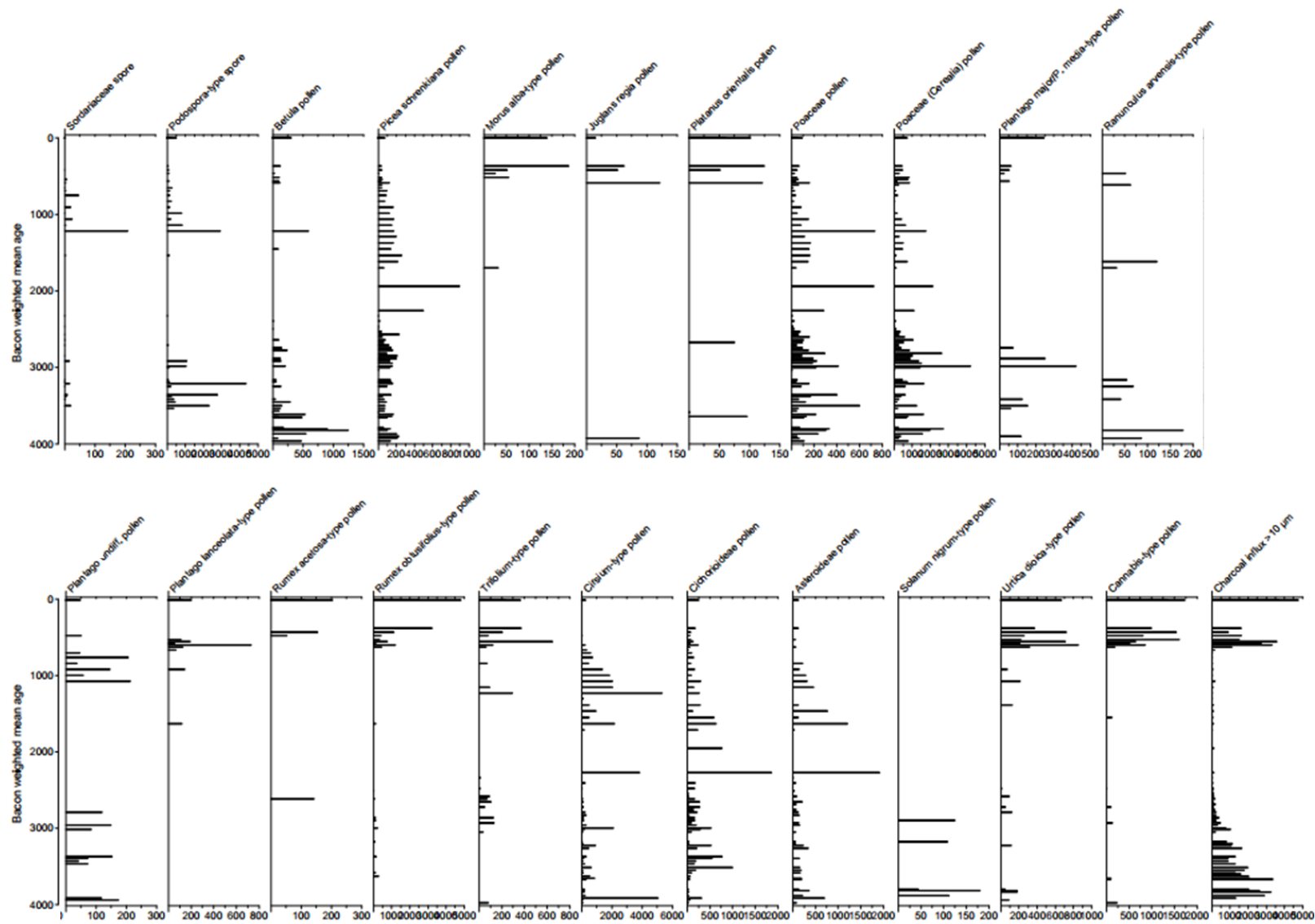


Figure S7: Karakol – Bacon mean age, select pollen and NPP concentrations, charcoal concentration. Original data source (Tinner and Beer, 2021)

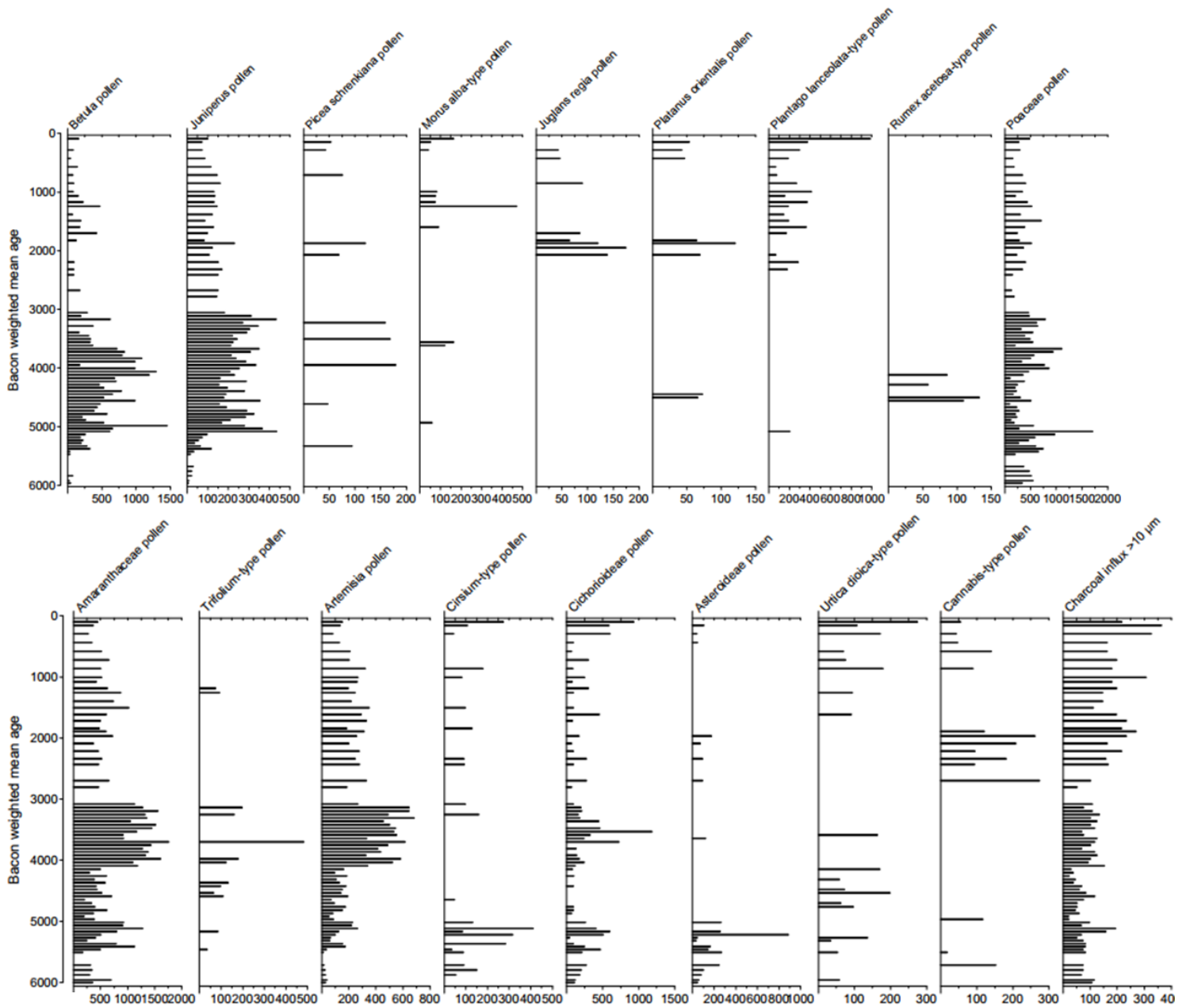


Figure S8: Kichikol – Bacon mean age, select pollen and NPP concentrations, charcoal concentration. Original data source (Heiri et al., 2021)

Supplement References

- Ammann, B., Tinner, W., Carraro, G., Beer, R., Kaiser, F., Schmidt, K., et al. (2021a). Ak Terek pollen dataset. 100 KB. doi: 10.21233/8PFX-TC23.
- Ammann, B., Tinner, W., Carraro, G., Beer, R., Kaiser, F., Schmidt, K., et al. (2021b). Bakaly pollen dataset. 498 KB. doi: 10.21233/YJWS-JJ96.
- Beer, R., Heiri, O., and Tinner, W. (2007). Vegetation history, fire history and lake development recorded for 6300 years by pollen, charcoal, loss on ignition and chironomids at a small lake in southern Kyrgyzstan (Alay Range, Central Asia). *The Holocene* 17, 977–985. doi: 10.1177/0959683607082413.
- Beer, R., Kaiser, F., Schmidt, K., Ammann, B., Carraro, G., Grisa, E., et al. (2008). Vegetation history of the walnut forests in Kyrgyzstan (Central Asia): natural or anthropogenic origin? *Quaternary Science Reviews* 27, 621–632. doi: 10.1016/j.quascirev.2007.11.012.
- Beer, R., and Tinner, W. (2008). Four thousand years of vegetation and fire history in the spruce forests of northern Kyrgyzstan (Kungey Alatau, Central Asia). *Veget Hist Archaeobot* 17, 629–638. doi: 10.1007/s00334-008-0142-1.
- Blaauw, M., and Christen, J. A. (2011). Flexible paleoclimate age-depth models using an autoregressive gamma process. *Bayesian Analysis* 6, 457–474. doi: 10.1214/11-BA618.
- Heiri, O., Tinner, W., and Beer, R. (2021). Kichikol pollen dataset. 341 KB. doi: 10.21233/1DT1-N648.
- Tinner, W., and Beer, R. (2021). Karakol pollen dataset. 443 KB. doi: 10.21233/SB5J-M528.