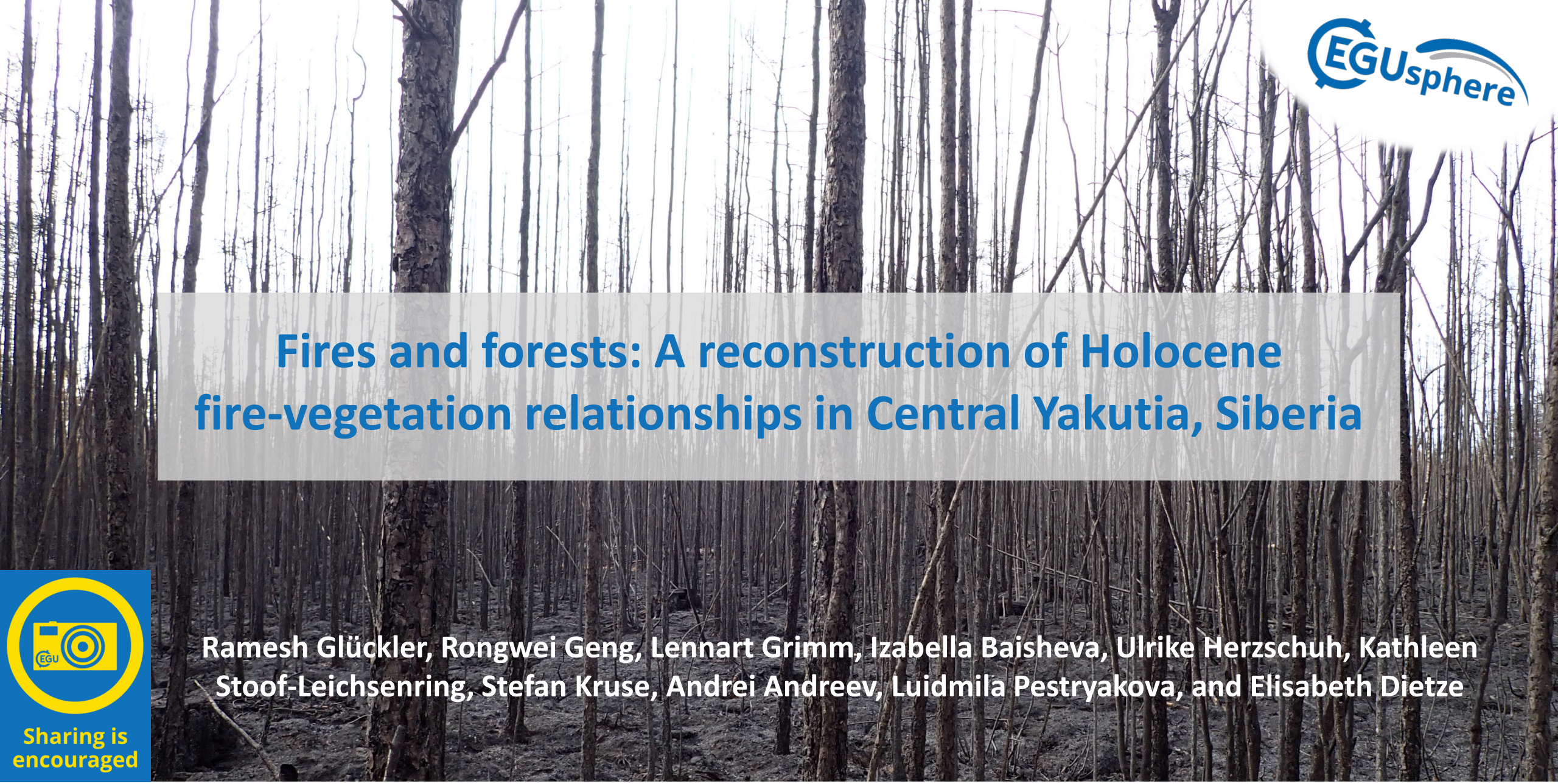

Fires and forests: A reconstruction of Holocene fire-vegetation relationships in Central Yakutia, Siberia

Ramesh Glückler, Rongwei Geng, Lennart Grimm, Izabella Baisheva, Ulrike Herzschuh, Kathleen Stoof-Leichsenring, Stefan Kruse, Andrei Andreev, Luidmila Pestryakova, and Elisabeth Dietze

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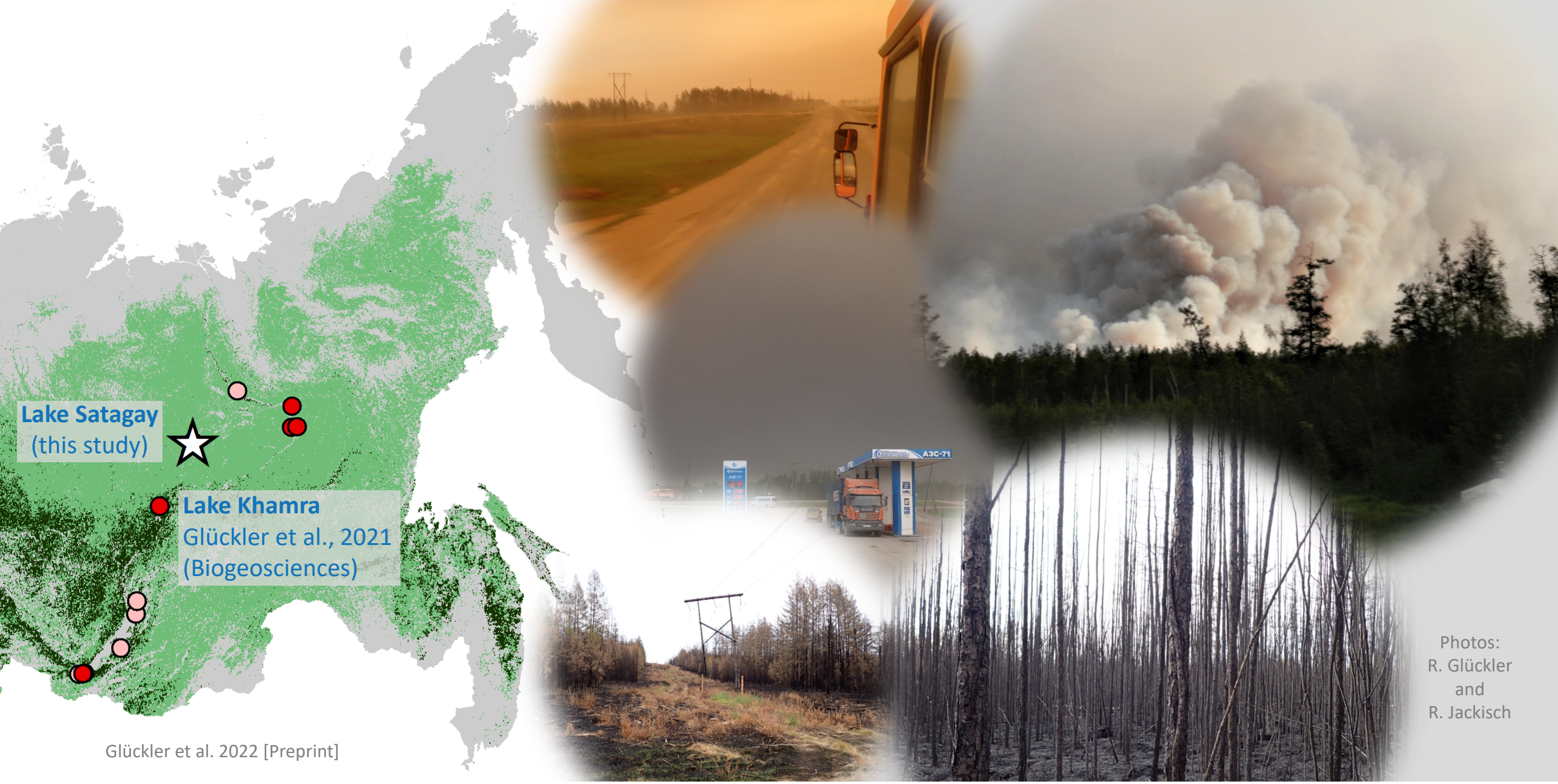
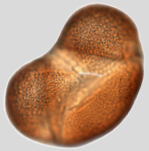


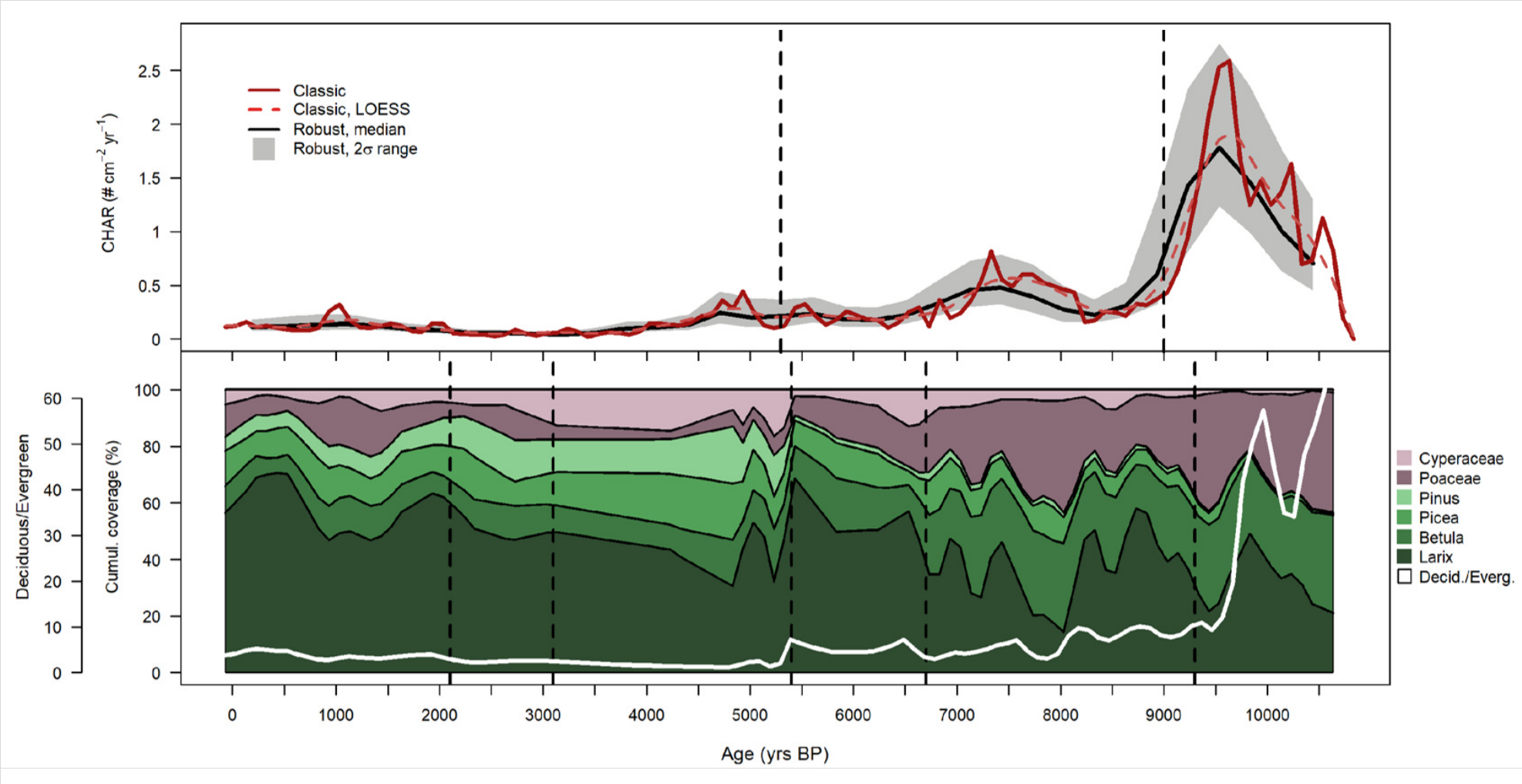
Glückler et al. 2022 [Preprint]

Photos:
R. Glückler
and
R. Jackisch

Macroscopic charcoal (> 150 µm)

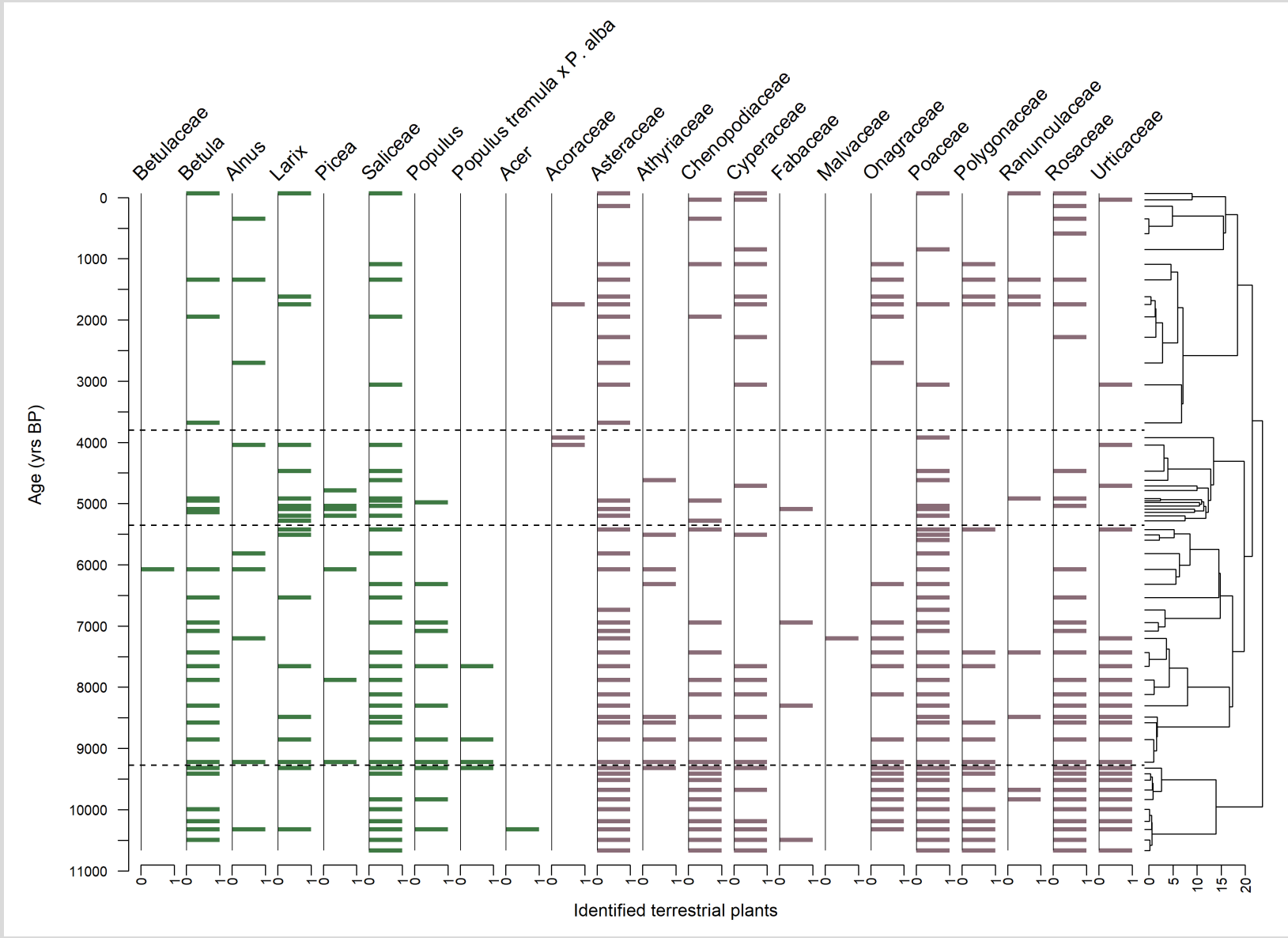


Pollen-based quantitative vegetation coverage



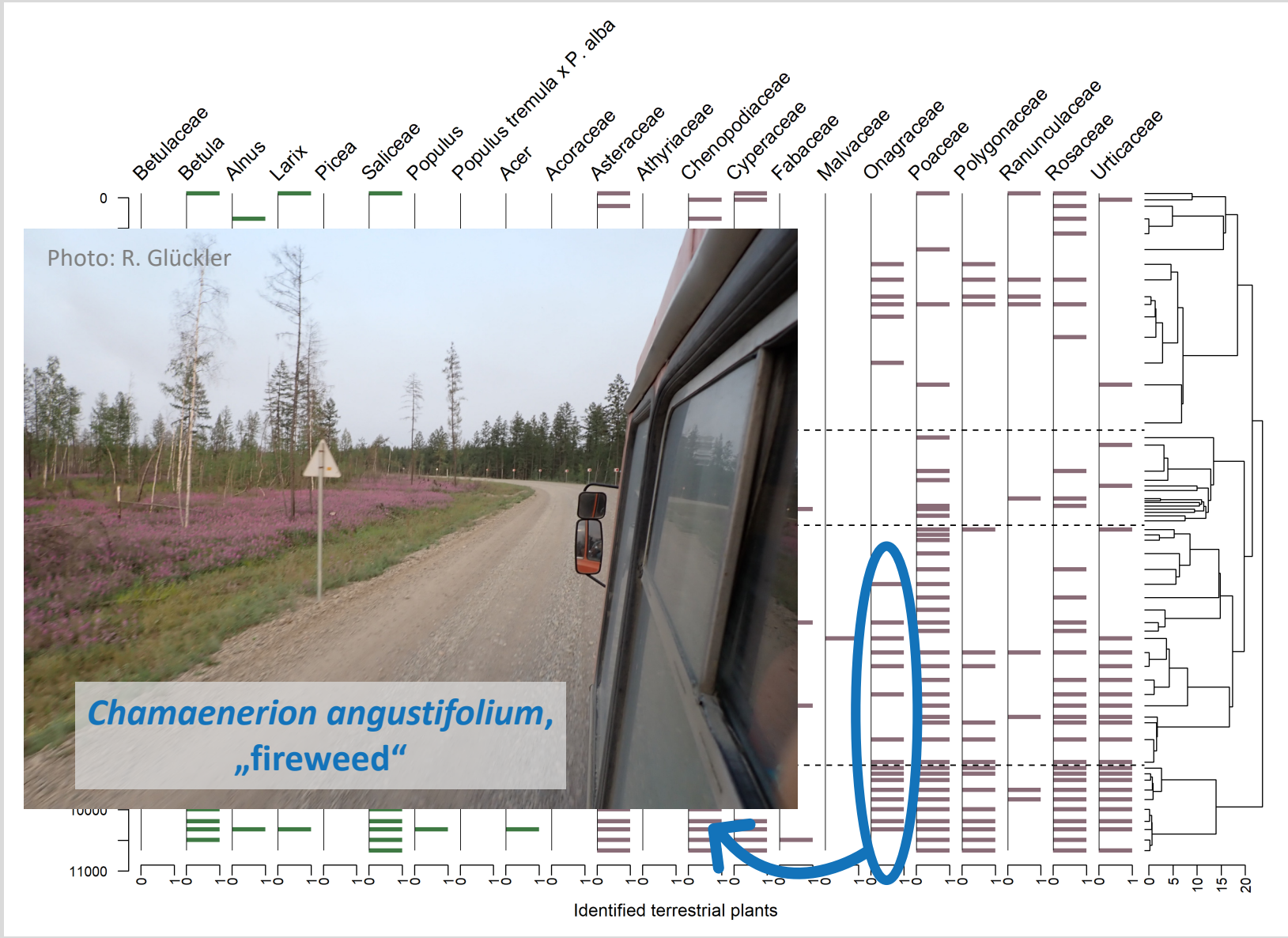
Glückler et al. 2022 [Preprint], modified

Terrestrial plant DNA metabarcoding



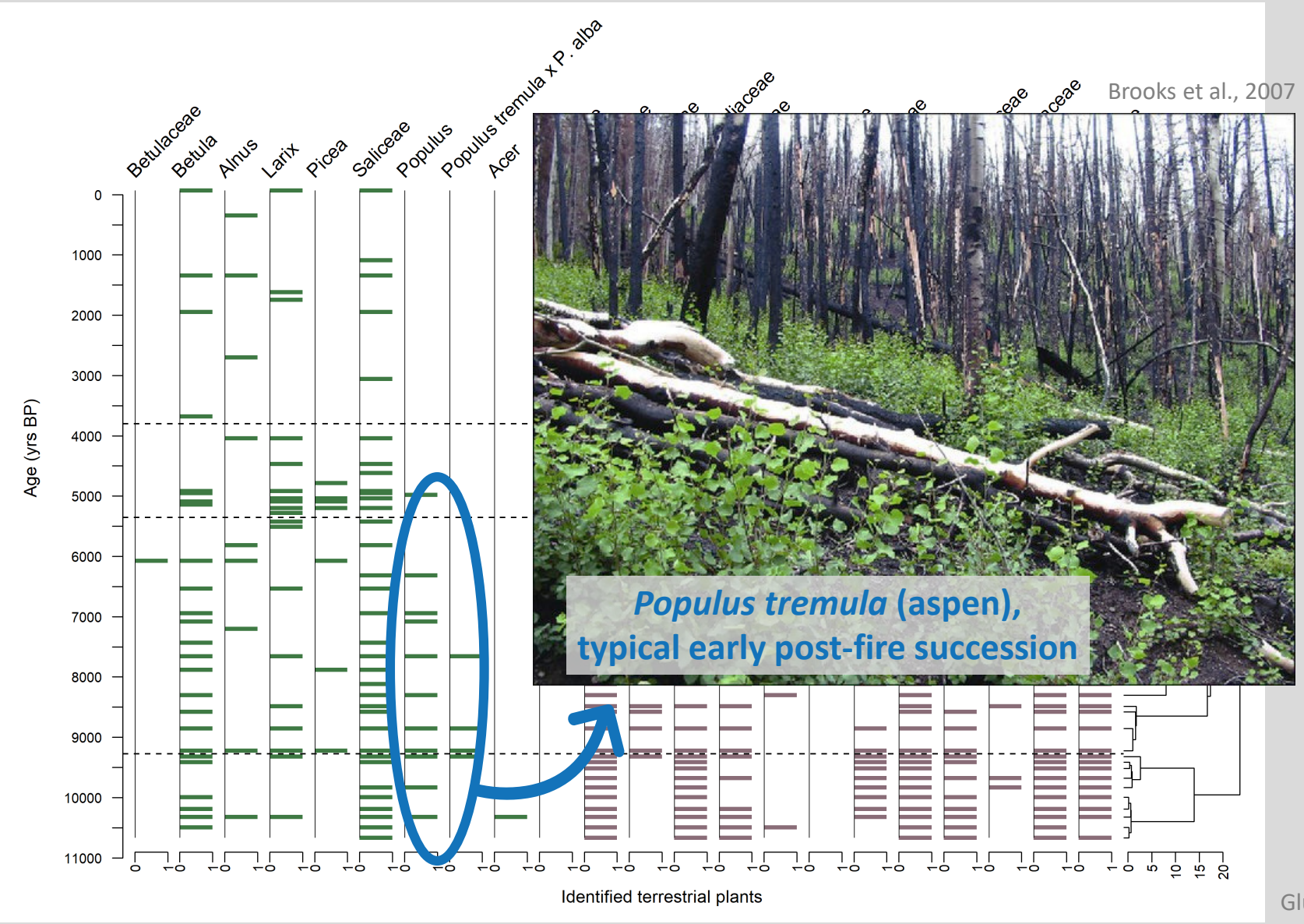
Glückler et al. 2022 [Preprint]

Terrestrial plant DNA metabarcoding



Glückler et al. 2022 [Preprint]

Terrestrial plant DNA metabarcoding



Glückler et al. 2022 [Preprint]

	Early Holocene	Late Holocene
Amount of biomass burnt	High	Low
Forest structure	Open woodlands	Dense forest
Forest composition	*Larix/Betula + Populus*	*Larix + Picea/Pinus/Betula*
Grassland composition	More Poaceae, fireweed	More Cyperaceae
Temperature	Warmer	Colder

This presentation participates in **OSPP**

Outstanding Student & PhD candidate Presentation contest

Let's keep in touch!

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