Palaeoecology: from the past to the future
100 years of Palaeoecology in Bern

PROGRAMME

**Monday, June 8th**

08.15-09.00 Registration & Coffee at UniS

09.00-09.15 Welcome, by T.F. Stocker (President of the Oeschger Centre for Climate Change Research)

09.15-09.45 100 years of Palaeoecology in Bern: past, present, and future.
- H.J.B. Birks: A view from the outside
- W. Tinner: A view from the inside

09.45-10.15 Coffee break

**Session 1: Scales & Proxies**
Chair: A.F. Lotter

10.15-10.55 T. Giesecke: Local to continental vegetation response to climate change

10.55-11.15 E.K. Magyari: Multi-proxy palaeoecology in mountain landscapes: quantitative reconstructions, ancient DNA, and lipid biomarkers as promising new directions

11.15-11.35 O. Heiri: Long-term aquatic ecosystem development: Climate, human activity and an interplay of stressors and scales

11.35-12.45 Poster Session 1, Chairs: C. Schwörer & C. Morales del Molino

12.45-13.45 Lunch

**Session 2: Scales & Proxies**
Chair: E. Gobet

13.45-14.25 C. Whitlock: Palaeofire reconstructions: A matter of scale

14.25-14.45 D.G. Gavin: Quaternary disjunctions: Biogeographic inference from palaeoecology in a heterogeneous landscape points to remarkable dispersal histories

14.45-15.05 G. Gil Romera: Cause and Effect: a view of the spatio-temporal dimensions of disturbance and its drivers

15.05-15.45 Coffee break

**Session 3: Quantification, Modelling and Theory of Palaeoecology**
Chair: C. Schwörer

15.45-16.25 J.W. Williams: Community data platforms for global-scale integrative science and the next generation of palaeoecologists

16.25-16.45 P.D. Henne: Combining palaeoecology with dynamic vegetation models to understand past changes and anticipate future impacts
16.45-17.05  **A.W.R. Seddon**: Climate-vegetation turnover relationships at the Pleistocene-Holocene transition

19.00-20.30 Reception, Naturhistorisches Museum Bern

**Tuesday, June 9th**

**Session 4: Palaeoecology’s Human and Societal Dimension**
Chair: C. Morales del Molino

09.00-09.40  **J.P. Smol**: Lakes in the Anthropocene: Using appropriate temporal and spatial scales to better understand human impacts on lakes

09.40-10.00  **R.H.W. Bradshaw**: Human impact and disturbance in the palaeoecological record: from landnam to wildwood

10.00-10.20  **E. Gobet**: Success and failures during 7000 years of conversion of dark forest into arable land

10.20-11.00 Coffee break

11.00-12.15 Poster Session 2, Chairs: C. Schwörer & C. Morales del Molino

12.15-13.15 Lunch

**Session 5: Implications of Palaeoecology for Biodiversity and Conservation**
Chair: W. Tinner

13.20-14.00  **L. Gillson**: Biodiversity conservation for an uncertain future: using palaeoecology in scenario planning

14.00-14.20  **M. Conedera**: Including palaeoecological knowledge in modern forest management

14.20-15.00  **K.J. Willis**: Why conserve biodiversity? Answers from the past

15.00-15.30  **W. Tinner**: Closing and conclusions