

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

PROGRAMME

Monday, June 7th

- 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 1a: Scales & Proxies

Chair: TBD

- 10.15-10.55 Keynote talk – **W. Finsinger/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 1b: Scales & Proxies

Chair: E. Gobet

- 13.45-14.25 Keynote talk – **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 2: Quantification, Modelling and Theory of Palaeoecology

Chair: C. Schwörer

- 15.45-16.25 Keynote talk – **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 8th

Session 3: Palaeoecology's Human and Societal Dimension

Chair: C. Morales del Molino

- 09.00-09.40 Keynote talk – **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 4: Implications of Palaeoecology for Biodiversity and Conservation

Chair: W. Tinner

- 13.20-14.00 Keynote talk – **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 Keynote talk – **K.J. Willis:** *Why conserve biodiversity? Answers from the past*
- 15.00-15.30 **W. Tinner:** Closing and conclusions