



International LTER-Austria Conference & Presentation of the LTER-Austria White Paper 2015

Overview

Selected results from LTER-Austria, 18th February, 14:30-18:00

- Oral presentation of selected results from Austrian LTER Sites and LTSER Platforms
- Poster Session presenting the Austrian LTER sites and key results: making contact and discussions

Presentation of the LTER-Austria White Paper, 19th February, 9:00-13:00

- International key notes
- Presentation of the LTER-Austria White Paper
- Panel discussion with key stakeholders and site owners

Selected results from LTER-Austria, 18th February, 14:30-18:30

Welcome by Michael Mirtl, Chair of LTER-Austria

14:40 - Oral presentations (15 min each plus discussion)

Chair: Prof. Michael Bahn, University of Innsbruck

Single sites

- Impact of manipulation experiments on soil greenhouse gas fluxes and microbial communities in the LTER Rosalia Lehrforst (M. Zimmermann, Uni BOKU)
- Extreme events in the Mondsee catchment and resulting consequences in the lake (H. Klug & Th. Weisse, University of Salzburg & Innsbruck)
- What do agricultural field experiments tell us about soil environments? (T. Lehtinen et al., AGES)

LTSER Platform Eisenwurzen

- Long-term socio-ecological research in the Eisenwurzen region: an interdisciplinary perspective on land use history. (S. Gingrich, SEC – University of Klagenfurt)
- LTER Zöbelboden - Highlights from Long-Term Studies on C and N Cycling in a Forest Ecosystem (Th. Dirnböck, EAA)
- Changing climate, changing lakes - the steady rise of lake temperatures and sudden decline of native Arctic char in Lake Lunz. One of many cases in Europe? (M. Kainz, LTER Water Cluster Lunz)

16:30 – 17:00 Coffee Break

LTSER Platform Tyrolean Alps

- Long-term research at the limits of plant life: The Schrankogel-GLORIA site of LTSER Tyrolean Alps (H. Pauli, GLORIA)
- How do alpine and subnival ecosystems respond to climate change? (B. Erschbamer & R. Mayer, Univ. of Innsbruck)
- Recent results from glaciological, hydroclimatological and climate change impact research from the LTER Rofental valley (U. Strasser, Univ. of Innsbruck)
- Effects of changing climate and land use on grassland biogeochemistry at the LTER site Stubai Valley (M. Bahn, Univ. of Innsbruck)

18:30 - Poster Session & aperitif: Austrian LTER sites and selected projects

Dinner buffet (same location)

Austrian ecosystem research in the European and global context: The LTER-Austria White Paper, 19th February, 9:00-13:00

Chair: Prof. Axel Borsdorf, Austrian Academy of Sciences

9:00 - Welcome

9:15 - Oral presentations

- TERN - An integrated national approach of organizing terrestrial ecosystem research in Australia in the context of the globalILTER (T. Clancy, CEO of TERN), 20 min
- NEON – Providing reliable baseline monitoring data for ecosystem research in the USA (H. Loescher, NEON office), 20 min
- The nested design and multiple use of TERENO sites in Germany – a model for organizing pools of national long-term ecosystem research sites? (H. Vereecken, FZ Jülich, TERENO director), 20 min
- Recent European concepts and developments towards improved interoperability of environmental research infrastructures (W. Kutsch, Univ. Helsinki, CEO of ICOS), 20 min

10:30 - Break

- Presentation of the LTER-Austria White Paper (M. Mirtl, Chair of LTER-Austria)
- International review summary of the LTER-Austria White Paper (Prof. Stephan Glatzel, Dr. Terry Parr, Prof. Moshe Shachak, Prof. Peter Groffman), 15 min

11:45 - Panel discussion

“Expectations from ecosystem research in Austria and options for providing appropriate framework conditions”

- Introductory statements by panel members:
 - Prof. Martin Gerzabek, BOKU
 - Prof. Roland Psenner, University of Innsbruck & OEAW
 - Karolina Begusch-Pfefferkorn, BMFWF
 - Prof. Werner Kutsch, ICOS, Finland
 - Dr. Peter Mayer, BFW, Austria
 - Dr. Elisabeth Freytag-Riegler, BMLFUW
- Statements and comments by Austrian ecosystem research site owners
- Discussion
- Conclusions

13:00 - Closing of conference

LUNCH BUFFET