

Austrian Soil Science Society – Österreichische Bodenkundliche Gesellschaft Annual Meeting 2025

Innsbruck, 2–3 December
2025

Tuesday, 2 December 2025

Venue: Universität Innsbruck, Sowi-Campus, Lecture
Hall 1 (HS1) Universitätsstraße 15, 6020 Innsbruck

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| 17:30 | CampusKino@uibk Special – <i>World Soil Day</i> - Film Screening in cooperation with the Transferstelle of the Universität Innsbruck |
| | Keynote: Univ.-Prof. DI Dr. Dr. h.c. mult. Martin Gerzabek |
| | <i>Entwicklung der Bodenforschung in Österreich seit Entstehung der Österr. Bodenkundlichen Gesellschaft</i> |
| | Panel Discussion |
| ~21:00 | End of program |

Wednesday, 3 December 2025

Venue: Amt der Tiroler Landesregierung, Großer Saal,
Landhaus 1 Eduard-Wallnöfer-Platz 3, 6020 Innsbruck

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| 08:00–08:30 | Arrival, registration & poster setup |
| 08:30–08:45 | Opening |
| 08:45–09:30 | Session I: Soil Biology & Soil Functions |
| 09:30–10:15 | Session II: Soil Biology in Transition |
| 10:15–10:45 | Poster Flash Talks I |
| 10:45–11:15 | Coffee Break |
| 11:15–11:45 | Session III: Soil Ecosystem and Landscape Dynamics |
| 11:45–12:30 | Session IV: Science Communication & Open Topics |
| 12:30–13:35 | Lunch Break |
| 13:35–14:20 | Session V: Interactions in Soil Ecosystems |
| 14:20–14:30 | Österreichische Bodenkundliche Gesellschaft – Awards |
| 14:30–15:00 | Poster Flash Talks II |
| 15:00–15:20 | Coffee Break |
| 15:20–16:50 | Session VI: Monitoring of Soil Life, Soil Health, Agriculture |
| 16:50–17:00 | Closing Remarks |

Duration/Format:

Talks: 12'+3'

Posters: A0, portrait; 2' flash talk at the poster

Detailed Program – December 3, 2025

- 08:00–08:30 Arrival, registration & poster setup
- 08:30–08:45 **Opening**
Landeshauptmann-Stellvertreter Josef Geisler (Amt der Tiroler Landesregierung)
Univ.-Prof. Mag. Dr. Paul Illmer (Dekan: Fakultät für Biologie, Universität Innsbruck)
Nadine Präg, PhD (Universität Innsbruck & ÖBG)
- 08:45–09:30 **Session I: Soil Biology & Soil Functions: Focus on processes, functions, and methodological innovations** (Chair: Michael Bahn, Universität Innsbruck)
- 8:45-9:00: **Armin Malli** (Bundesforschungs- und Ausbildungszentrum für Wald, Naturgefahren und Landschaft): *The Invisible Cost of Forest Harvesting: Short- and Long-term Impacts on Greenhouse Gas Emissions and Soil Microbial Community* (ID26)
- 9:00-9:15: **Theresa Rzehak** (Universität Innsbruck): *Microbial characterization of Tangel Humus and the influence of bioinformatic pipeline selection on metabarcoding results* (ID27)
- 9:15-9:30: **Fatemeh Qasemnejadlangerodi** (Universität Innsbruck): *Discovering New Bacterial Taxa from Soil and Rhizosphere* (ID14)
- 09:30–10:15 **Session II: Soil Biology in Transition - Contributions on climate extremes, anthropogenic influences, biodiversity, resilience** (Chair: Julia Seeber, Universität Innsbruck & Eurac Research)
- 9:30-9:45: **Klaus Jarosch** (Agroscope): *Topsoil, but not subsoil shows the largest effects on physical, chemical and biological soil properties after implementation of a 13-years alley cropping system in temperate climate* (ID41)
- 9:45-10:00: **Markus Neurauter** (Universität Innsbruck): *Seedling establishment failure of Alpine conifers is mainly driven by osmotic and temperature stress following a prescribed fire* (ID19)
- 10:00-10:15: **Michael Bahn** (Universität Innsbruck): *Drought soil legacies and grassland responses to subsequent drought* (ID32)
- 10:15–10:45 **Poster Flash Talks I** (Chair: Michael Steinwandter, Eurac Research)
Ellen Kandeler (ID10), Lukas Ajchler (ID52), Zarah van Hout & Wouter den Ouden (ID35), Alireza Golestanifard (ID39), Magdalena Koschmieder (ID28), Sophie Barbara Stoffl (ID30), Simon Wagner & Alois Simon (ID18), Katharina Fischer (ID46), Irene Schwaighofer (ID47), Alexander Schönafinger (ID15), Julia Fohrafellner (ID23), Barbara Birli (ID50), Lucas Weinberg (ID12)
- 10:45–11:15 Coffee Break
- 11:15–11:45 **Session III: Soil Ecosystem and Landscape Dynamics** (Chair: Thomas Wenginger, Bundesamt für Wasserwirtschaft)
- 11:15-11:30: **Arnaud Temme** (Universität Innsbruck): *The state of the art in mechanistic soil-landscape modelling* (ID38)
- 11:30-11:45: **Wajdi Allagui** (Universität Wien): *Controls of soil inorganic carbon accumulation in managed desert soils* (ID24)
- 11:45–12:30 **Session IV: Science Communication & Open Topics** (Chair: Anna Wawra, AGES)
- 11:45-12:00: **Maria Legner** (Klimabündnis): *SOIL:OurInvisibleAlly* (ID29)
- 12:00-12:15: **Laura Bräunig** (Soilcast): *Listening to the soil – Potentials and Limitations of Podcasts in Soil Communication* (ID37)
- 12:15-12:30: **Katharina Peer** (LFI Tirol): *BodenXR – Mit Extended Reality den Tiroler Boden erleben* (ID51)

- 12:30–13:35 Lunch Break
- 13:35–14:20 **Session V: Interactions in Soil Ecosystems - Focus on soil fauna–microorganism–plant interactions, root microbiomes** (Chair: Paul Illmer, Universität Innsbruck)
- 13:35-13:50: **Ute Birgit Lackinger** (Universität Innsbruck): *Recovery of ectomycorrhiza in a subalpine forest after eight years of simulated summer drought* (ID13)
- 13:50-14:05: **Juliana Jäggle** (BOKU): *Metabolic profiles and plant-microbe associations of winter wheat under different water regimes in conventional and organic cropping systems* (ID20)
- 14:05-14:20: **Uxue Otxandorena Iregi** (BOKU): *The role of phytosiderophore exudation, root-associated microbiome and other root traits for efficient zinc-uptake in barley* (ID22)
- 14:20–14:30 Österreichische Bodenkundliche Gesellschaft – Awards
- 14:30–15:00 **Poster Flash Talks II** (Chair: Beat Frey, Eidgenössische Forschungsanstalt WSL)
- Sophia Götzinger (ID21), Sabine Huber (ID42), Taru Sandén (ID43), Ellen Kandeler (ID11), Lea Wellinger (ID31), Philippe Belliard (ID7), Niklas Bruhn (ID16), Jessica Cuartero Moñino & Beat Frey (ID36), Roman Schrott (ID44), Mia Guggiari (ID33), Henning Schwalm (ID48), Pia Euteneuer (ID49)
- 15:00–15:20 Coffee Break
- 15:20–16:50 **Session VI: Monitoring of Soil Life, Agricultural Practices, Soil Health** (Chair: Evi Oburger, BOKU)
- 15:20-15:35: **Anna Wawra** (AGES): *Applying eLTER Standard Observations to Agricultural Ecosystems: A Case Study from the AGES Soil Tillage Trial in Fuchsenbigl* (ID25)
- 15:35-15:50: **Michael Steinwandter** (Eurac Research): *Soil fauna on mountaintops: first insights from the 'GLORIA Extended' samplings in South Tyrol (Italy)* (ID45)
- 15:50-16:05: **Maximilian Behringer** (BOKU): *A long road to soil recovery: earthworms and soil structure in 18-year-old forest skid trails* (ID9)
- 16:05-16:20: **Lea Wellinger** (BOKU): *Microbial Predators in Soil: Cercozoa across Agricultural Land Use Intensities* (ID17)
- 16:20-16:35: **Florian Gschwend** (Agroscope): *Multi-marker metabarcoding for soil biodiversity assessments at Swiss long-term soil monitoring sites* (ID40)
- 16:35-16:50: **Annabel Silvia Lindley** (Universität Innsbruck): *Microbes Are Unique: Divergent Land-Use Effects on Microbial vs Animal and Plant Diversity* (ID8)
- 16:50–17:00 **Closing Remarks**