

**Tuesday 7 May**  
**Venue:** Academic Hall, Floor 1, Institute of Mountain Hazards & Environment

Time	Details
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**Opening Ceremony Chair: Yanhong Wu**

09:00-09:10	<b>Prof. Lijun Su</b> Welcome Speech from Institute of Mountain Hazards & Environment
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09:10-09:20	<b>Prof. Ganlin Zhang</b> Welcome Speech from the Chairman of SNCC2024
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09:20-09:30	<b>Prof. Hans Lambers</b> Welcome Speech from the Chairman of SNCC2024
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**Session 1 Chair: Yanhong Wu**

09:30-10:05	<b>Soil changes over time: from decades to million years</b> <b>Ganlin Zhang</b> - Nanjing Institute of Geography & Limnology, Chinese Academy of Sciences
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10:05-10:40	<b>Changes in nutrient-acquisition strategies along the Jurien Bay chronosequence to inspire mine-site restoration approaches</b> <b>Hans Lambers</b> - The University of Western Australia
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10:40-11:00	<b>Group Photo &amp; Coffee Break</b>
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**Session 2 Chair: Hans Lambers**

11:00-11:30	<b>The ecological significance of phosphorus dynamics during long-term pedogenesis</b> <b>Ben Turner</b> - Gyeongsang National University, South Korea
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11:30-12:00	<b>Nutrient cycling on the Hailuoguo soil chronosequence and its implication on vegetation restoration</b> <b>Yanhong Wu</b> - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
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12:00-14:00	<b>Lunch &amp; Break</b>
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**Session 3 Chair: Ben Turner**

14:00-14:30	<b>Fast nitrogen accumulation in ecosystems along a 127-year glacial retreat chronosequence at the subtropical Mount Gongga, China</b> <b>Wolfgang Wilcke</b> - Karlsruhe Institute of Technology, Germany
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14:30-14:50	<b>Contrasting weathering-mediated microbial controls on forest soil carbon dynamics</b> <b>Gengxin Zhang</b> - Institute of Tibetan Plateau Research, Chinese Academy of Sciences
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14:50-15:10	<b>Plant nitrogen use strategies along alpine meadow degradation</b> <b>Fei Peng</b> - Northwest Institute of Eco-Environment and Resource, Chinese Academy of Sciences
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15:10-15:30	<b>Phosphorus transformation in natural and anthropogenic soil chronosequences</b> <b>Laiming Huang</b> - Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences
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15:30-15:50	<b>Ca, Mg and K availability along the 127-year glacial retreat Hailuoguo chronosequence: stocks, release, and stable isotope tracing</b> <b>Nuria Basdedios</b> - Karlsruhe Institute of Technology, Germany
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15:50-16:10	<b>Coffee Break</b>
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**Session 4 Chair: Baoqing Hu**

16:10-16:40	<b>Seasonal changes in arbuscular mycorrhizal fungi community along a slope gradient in an arable purple soil after 10-years of natural fallow</b> <b>Xinhua He</b> - The University of Western Australia
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16:40-17:00	<b>Plant phosphorus-acquisition and -use strategies affect soil carbon cycling</b> <b>Wenli Ding</b> - Beijing Forestry University
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17:00-17:20	<b>Resource control over grassland productivity-biodiversity relationships</b> <b>Jianqing Du</b> - University of Chinese Academy of Sciences
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17:20-17:40	<b>Exogenous carbon alleviated phosphorus environmental impact through mediating phosphorus dynamics: a case study of continuous manure input in southwest China</b> <b>Xiaoyan Tang</b> - Sichuan Agricultural University
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17:40-18:00	<b>Effects and mechanisms of selenium on nutrient regulation and soil nitrogen utilization of Guanxi pomelo</b> <b>Ting Zhan</b> - Tianfu Yongxing Laboratory
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**Wednesday 8 May**  
**Venue:** Academic Hall, Floor 1, Institute of Mountain Hazards & Environment

**Session 5 Chair: Wolfgang Wilcke**

09:00-09:30	<b>Colloidal P in the glacier foreland soil chronosequence of New Zealand's Franz Josef Glacier</b> <b>Roland Bol</b> - Forschungszentrum Jülich, Germany
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09:30-09:50	<b>Vertical distribution characteristics of soil nutrient elements in an ecological barrier Area, Sichuan-Yunnan, China</b> <b>Jinling Yang</b> - Institute of Soil Science, Chinese Academy of Sciences
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09:50-10:10	<b>Environmental filtering controls soil biodiversity in Hawaii soil chronosequence</b> <b>Haiying Cui</b> - Northeast Normal University
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10:10-10:30	<b>Oasis construction and its soil development in Hexi Corridor, China</b> <b>Yongyong Zhang</b> - Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences
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10:30-10:40	<b>Coffee Break</b>
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**Session 6 Chair: Linchuan Fang**

10:40-11:10	<b>The important role of soil microbes in carbon and nitrogen cycling</b> <b>Edith Bai</b> - Northeast Normal University
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11:10-11:30	<b>Implication of forest management in soil quality enhancement and building resilience: Case of the Panchase protected forest, Gandaki Province, Nepal</b> <b>Udhab Raj Khadka</b> - Tribhuvan University, Nepal
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11:30-11:50	<b>Interpreting the differences in microbial carbon and nitrogen use efficiencies estimated by 18O labeling and coenzyme stoichiometry</b> <b>Lifei Sun</b> - Nanning Normal University
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11:50-12:10	<b>Long-term study and revelation of sediment silt deposition-forming characteristics of the Yellow River - A case study of the lower reaches of the Yellow River Basin in China</b> <b>Zixuan Zhang</b> - China University of Mining and Technology-Beijing
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12:10-14:00	<b>Lunch &amp; Break</b>
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**Session 7 Chair: Edith Bai**

14:00-14:30	<b>Microbial community composition of biological soil crusts modulates nitrogen deposition induced changes in microbial necromass carbon</b> <b>Xiaobing Zhou</b> - Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences
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14:30-14:50	<b>A mechanistic representation of plant-available phosphorus in soil and a data assimilation approach to quantify it</b> <b>Enqing Hou</b> - South China Botanical Garden, Chinese Academy of Sciences
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14:50-15:10	<b>Development and application of phosphate oxygen isotope analysis technology for environmental samples</b> <b>Jingfu Wang</b> - Institute of Geochemistry, Chinese Academy of Sciences
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15:10-15:30	<b>Surface system processes and soil formation evolution in high-altitude and cold small watersheds in northern Tibetan Plateau</b> <b>Fei Yang</b> - Institute of Soil Science, Chinese Academy of Sciences
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15:30-15:50	<b>State and dynamics of cryosphere of Upper Karnali Basin, associated hazard and implication to water resources and livelihood</b> <b>Motilal Ghimire</b> - Tribhuvan University, Nepal
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15:50-16:00	<b>Coffee Break</b>
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**Session 8 Chair: Xiaobing Zhou**

16:00-16:30	<b>Unraveling the hidden world: Spatial heterogeneity and determinants of deep soil microbiomes</b> <b>Linchuan Fang</b> - Wuhan University of Technology
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16:30-16:50	<b>Plant nutrient-acquisition strategies and its mechanisms of alpine meadow to permafrost degradation in the Tibetan Plateau</b> <b>Yan Yang</b> - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
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16:50-17:10	<b>Coordination among leaf and fine-root traits along a strong natural soil fertility gradient</b> <b>Xavier Guilbeault-Mayers</b> - University of Montreal, Canada
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17:10-17:30	<b>Functional diversity and microbial activity co-regulate mixture effects on litter decomposition in a tropical karst seasonal rainforest</b> <b>Guangting Pei</b> - Nanning Normal University
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17:30-17:50	<b>Successional trajectories of soil microbiomes: Linking community structure to functions during ecosystem development</b> <b>Yuhan Wang</b> - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
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**Closing Ceremony Chair: Yanhong Wu**

17:50-18:00	<b>Award for outstanding presentation</b>
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18:00-18:10	<b>Prof. Hans Lambers</b> Closing Speech from the Chairman of SNCC2024
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**Tuesday to Thursday 9-11 May**

**Post-conference Field Trip**

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<b>9-May</b>	8:30 am: Depart to Moxi Town and visit the Yajiangeng Field Experiments of Gongga Mountain
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<b>10-May</b>	8:30 am: Visit the Glacier Retreat Area of Hailuoguo and the Observation Station of Gongga Mountain Alpine Ecosystem
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<b>11-May</b>	8:30 am: Return to Chengdu
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