

THURSDAY, August 24, 2017

Time	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
8:45–9:25	PLENARY LECTURE M. Goldhaber: Geologic and climatic controls on ecosystems: An example from North America				
9:30–9:50	C. L. Goodale: Experimental nitrogen × sulfur additions increase carbon storage in mature deciduous forests	K. Kalbitz: Plant functional type affects chemical composition and degradation of peat along a temperature gradient	I. Yevdokimov: Dynamics of microbial and water extractable P in soil following drought and rewetting events		T. G. M. Sanders: Extreme events and (forest) ecosystem health: An overview
9:50–10:10	E. Tipping: The C:N:P:S stoichiometry of soil organic matter	L. Zeh: Dissolved organic matter indicates changes in temperature and plant communities in peatlands	C. J. Curtis: Unravelling stream acidification in South Africa: Coal, drought, DOC and cryptic species		S. Reinsch: Carbon dynamics in ecosystems and responses to climate change: Recent advances
10:10–10:30	F. von Blanckenburg: The dependance of mineral nutrient cycles on rock weathering in mountainous forest ecosystems	L. P. M. Lamers: Symbiosis-driven biogeochemistry in wetlands	J. Kopáček: Changes in surface water chemistry caused by natural forest dieback in an unmanaged mountain catchment		G. Kröel-Dulay: Ecosystem function and structure after extreme drought in grassland: Productivity recovers fast despite dramatic and lasting change in composition
10:30–10:45	COFFEE BREAK				
10:45–11:05	M. Schrumpf: Factors controlling carbon turnover in forest soils	E. van den Elzen: A hidden world in peat mosses: Environmental drivers of nitrogen fixation and methane oxidation in <i>Sphagnum</i> peatlands	B. Emmett: Catchments for ecosystem services and the role of coupled macronutrient cycles	J. Luster: Role of carboxylates released by microorganisms and roots of alpine pioneer plants in mobilising phosphate, nutrient cations and Si during early soil formation	S. Leitner: Mobilization of mineral and organic nitrogen upon rewetting of dry soils
11:05–11:25	H.-S. Helmisaari: Below- and aboveground contribution to soil organic matter in boreal forests	Ü. Mander: Nitrous oxide emission in organic soils: The global approach	J. Cosby: Comparing strengths and weaknesses of three ecosystem services models in a diverse UK river catchment	J. Schaller: Positive effects of silicon and negative effect of calcium on biogeochemical cycles of carbon and phosphorus	M. Kosunen: Storm and bark beetle outbreak effects on soil respiration in boreal Norway spruce stands
11:25–11:45	M. N. Högberg: How could the different carbon pathways to soil have power to affect nutrient fluxes?	P. J. Chapman: Carbon concentrations and transformations in peatland pools	K. Austnes: Using high-frequency sensor monitoring to study short-term variability in dissolved organic matter	P. Kortelainen: Interactions between TOC and Fe export in boreal catchments	L. Beule: Mass outbreak events of defoliating insects in Scots pine forest ecosystems affect phyllosphere and soil fungal communities
11:45–12:05	S. Zechmeister-Boltenstern: Vertical changes in soil carbon storage after two decades of N addition in two temperate forests	J. K. Keller: How does ecosystem warming impact methane cycling in a northern peatland ecosystem?	A. Heinemeyer: From bog to bug to bird: Blanket bog management and climate change implications on plot to catchment scale ecosystem services	J. Olofsson: Identifying soil parameters decisive for nitrogen leaching in forests through a combined empirical and modelling approach	B. Doušová: Seasonal trends in antimony pollution near busy traffic nodes
12:05–12:25	L. Vesterdal: Is tree species diversity or tree species identity the most important driver of European forest soil carbon stocks?	S. D. Bridgham: Biogeochemical and microbial controls over methane dynamics in wetlands and uplands of Gabon, Africa	Q. Yu: A gradient in atmospheric deposition and differentiated cycling of nitrogen in subtropics forest ecosystems, Southwest China	A. Smolander: Logging residue harvest in coniferous final-felling and thinning stands: Comparison of soil effects	N. Ohte: Influences of extreme climate events on nitrogen dynamics and export from forested ecosystems: A review toward predictions

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12:25–13:25	LUNCH								
13:25–14:05	PLENARY LECTURE R. Mäkipää: Succession of fungal community, rate of decomposition, nitrogen (N) transfers and asymbiotic N₂ fixation in decaying wood								
14:10–14:30	S4 Belowground C	K. Ryhti: Partition of different CO ₂ sources at the forest floor in an extensive trenching experiment in a Scots pine stand in Southern Finland	S1 Catchments	F. Moldan: Twenty five years of a fertilization experiment at Gårdsjön: What did 1000 kg of nitrogen do to C sequestration?	S5 Wetlands	J. Schneider: Paludified forests of Komi Republic (Russian Federation, Northeastern Europe) do not act as hotspots of CH ₄ emissions	S18 Extremes	L. A. Rose: Sediment fingerprinting suggests differences in particulate organic matter formation and transport processes across hydrologic regimes	
14:30–14:50		M. Kukumägi: Factors affecting soil respiration in hemiboreal forest ecosystems		C. B. Fuss: Changes in mineral soil organic matter dynamics and nitrogen retention during forest succession		C. Pschenyckyj: Acidity controls on recent changes in carbon cycling in organic soils		B. Ulén: Trapping carbon, nitrogen and phosphorus in two Swedish wetlands constructed in agricultural catchments	M. A. Xenopoulos: Long-term examination of the export of nutrients and carbon during extreme climate events across landscapes and implications for ecosystem services
14:50–15:10		M. Mayer: Tree regeneration retards decomposition of soil organic carbon after gap disturbance in a mountain forest		K. T. Rebel: The importance of carbon–nitrogen–water interactions across scales		I. J. Fernandez: Multi-decadal response in soil C, N, and Hg to the Great Fire of 1947 in Acadia National Park, Maine, USA		M. Sulwiński: Effect of smouldering fen fire on macronutrients availability	
15:15–15:45	CLOSING CEREMONY								

Invited talks are on gray background