

DAY 1 - Tuesday, 18 September 2018

12:00-13:20	Arrival, registration & snacks	
13:20-13:30	Welcome address	R. Kiese (KIT)
13:30-15:00	Session 1: Soil organic matter dynamics in mountainous grassland soils	M. Wiesmeier (TUM, LfL)
13:30-14:00	Keynote: Grassland SOM dynamics along temperature and nutrient gradients	C. Poeplau (Thünen Institute of Climate-Smart Agriculture)
14:00-14:20	Soil structure and carbon storage in grassland soils along an elevation gradient in the Northern limestone Alps of Germany	N. Garcia Franco (TUM)
14:20-14:40	How plant, microorganisms and soil organic carbon respond to grazing in an Alpine grassland at short- and long-term	A. Vidal (TUM)
14:40-15:00	Effects of land-use change on the resilience of grassland carbon dynamics to extreme drought	J. Ingrisch (University of Innsbruck)
15:00-15:30	Coffee Break	
15:30-17:00	Session 2: Microbiomes as driver for nutrient cycles in soil	M. Schloter (Helmholtz Zentrum München)
15:30-16:00	Keynote: The role of arbuscular mycorrhizal fungi in managed grasslands	T. Camenzind (FU Berlin)
16:00-16:20	Effects of extensive and intensive management on soil microbial abundance and function along an altitudinal gradient of (sub)alpine grassland sites	D. R. Andrade-Linares (Helmholtz Zentrum München)
16:20-16:40	Interactive effects of warming, elevated CO ₂ and weather extremes on N ₂ O and CH ₄ emissions in a managed grassland	E. Diaz-Pines (BOKU)
16:40-17:00	Dinitrogen emissions as an overlooked component of the N balance of montane grasslands	M. Zistl-Schlingmann (KIT)
17:00-19:00	Poster session I & snacks	

DAY 2 - Wednesday, 19 September 2018

09:00-10:30	Session 3: Plant diversity and productivity of montane and alpine grasslands in a warmer future	A. Jentsch (University of Bayreuth)
09:00-09:30	Keynote: Short term impacts and legacy effects of heat waves and drought in alpine grassland	H. de Boeck (University of Antwerp)
09:30-09:50	Disturbance and indirect effects of climate warming support the establishment of non-native plants at high elevations	S. Haider (Martin Luther University Halle-Wittenberg)
09:50-10:10	Subalpine grassland growth during five years of warming	M. Volk (Agroscope)
10:10-10:30	Consistent decreases in biodiversity but conditional increases in aboveground biomass of montane and alpine grasslands observed under experimental climate warming	B. Berauer (University of Bayreuth)
10:30-11:00	Coffee Break	
11:00-12:30	Session 4: Biogeochemical cycles of grasslands	R. Kiese (KIT)
11:00-11:30	Keynote: Effects of climate change on grassland biodiversity and productivity: the need for a diversity of models	M. Van Oijen (Centre for Ecology and Hydrology, Edinburgh)
11:30-11:50	Effects of elevated temperature and CO ₂ -concentration on the soil water balance	V. Slawitsch (University of Graz)
11:50-12:10	Drought and rewetting dynamics of grassland soil CO ₂ -production and -emissions in a current and a future climate	D. Reinthaler (University of Innsbruck)
12:10-12:30	Simulation of C and N cycling and associated losses of montane grassland soils under contrasting climate and management conditions	K. Petersen (KIT)
12:30-13:30	Lunch	

DAY 2 - Wednesday, 19 September 2018

13:30-15:00	Session 5: Remote sensing of temperate grasslands	A. Schucknecht (KIT)
13:30-14:00	Keynote: Monitoring of Alpine grasslands with multitemporal optical and radar remote sensing	F. Greifeneder (EURAC)
14:00-14:20	Monitoring Alpine grassland dynamics with optical sensors on multiple spatial scales	S. Asam (DLR)
14:20-14:40	Spatial monitoring of grassland use for biodiversity assessment in Switzerland	F. Stumpf (Agroscope)
14:40-15:00	Vegetation indices analysis for grasslands assessment over Romanian Carpathian regions	A. T. Nertan (National Meteorological Administration, Romania)
15:00-15:30	Coffee Break	
15:30-17:00	Session 6: Socio-economy of grassland ecosystem services	T. Köllner (University of Bayreuth)
15:30-16:00	Keynote: Changes in ecosystem services of mountain grassland - trends, impacts, and drivers	U. Schirpke (EURAC)
16:00-16:20	Ecosystem services as both influence to and outcome of farmers' grassland management decisions under climate change	A. Früh-Müller (University of Bayreuth)
16:20-16:40	Opportunities for farming in alpine countries – pathways to truly grassland-based beef and milk production in Austria and Switzerland	R. Frick (Forschungsinstitut für biologischen Landbau - FiBL)
16:40-17:00	Farmers' decision-making and (sub-)alpine grassland ecosystem services: an agent-based modelling approach	T. Schmitt (University of Bayreuth)
17:00-19:00	Poster session II & snacks	

DAY 3 - Thursday, 20 September 2018 (in German)

09:00-10:30	Topic 7: Zukunft der Almenwirtschaft	M. Dannemann (KIT)
09:00-09:30	Keynote: Die Zukunft der Almwirtschaft	S. Aigner (eb&p Umweltbüro GmbH)
09:30-09:50	Anpassung der Beweidung von Almen und Alpen an den Klimawandel	S. Steinberger (Bayerische Landesanstalt für Landwirtschaft - LfL)
09:50-10:10	Almen aktivieren, aber richtig! Schlüsselmerkmale und Handlungsempfehlungen zum verbesserten Schutz charakteristischer Tierarten des alpinen Grünlands	B. Burkhart-Aicher (Bayerische Akademie für Naturschutz und Landschaftspflege - ANL)
10:10-10:30	Discussion	
10:30-10:50	Coffee Break	
10:50-11:30	Topic 8: Von der Forschung in die Anwendung	K. Schneider (KIT)
10:50-11:20	Keynote: Angewandte Forschung im Dienst der Berglandwirtschaft am Beispiel von webGRAS	G. Peratoner (Versuchszentrum Laimburg)
11:20-11:40	SUSALPS Entscheidungshilfesystem	R. Kiese (KIT)
11:40-11:50	Verabschiedung/ Farewell	K. Schneider (KIT)
11:50-12:00	Lunch bags and start to exkursion	
12:00-18:00	Optional excursions to measurement sites	