Session schedule:

[You can click on the title to directly open the abstract of that presentation]

16:15

Opening (5 min)	
Alberto Canarini	Short description of session schedule and introduction to the session

16:20

Group 1 (10 min)	
Authors	Title
Ashish Malik*	Linking microbial communities to soil carbon cycling under anthropogenic change using a trait-based framework
*Solicited speaker	

16:30

Group 2 (15 min)	
Authors	Title
Stefano Manzoni	Modelling respiration pulses at rewetting as a stochastic process
Thomas Hessilt	Response of heterotrophic respiration and oxidation of atmospheric CH4 to changes in soil moisture and temperature in drylands across a global climate and ecosystem gradient
Albert C. Brangarí	Current knowledge and future perspectives on soil drying and rewetting, by the scientific community

16:45

Group 3 (25 min)	
Authors	Title
Qiaoyan Li	Long-term effects of precipitation removal manipulations on soil carbon balance and exchange in a Danish heathland/grassland ecosystem
María T. Domínguez /Elena Fernández Boy	Effects of a simulated drying-rewetting cycle on microbial activity in soils degraded by post-fire erosion
Ainara Leizeaga	Effects of simulated drought and warming on microbial responses to drying and rewetting in contrasting land-uses
Lettice Hicks	Is microbial resilience to drying-rewetting driven by selection for quick colonizers?
Douglas Landblom	Effect of Drought and Recovery on Grazing Animal, Microbial, and Fungal Response in a Diverse Multi-Crop Rotation
Songul Senturklu	Effect of Drought and Recovery on Microbial, Fungal, and Crop Response in a Diverse Multi-Crop Rotation
Wenhao Sun	Revegetation modifies patterns of temporal soil respiration responses to extreme-drying-and-rewetting in a semiarid ecosystem

17:10

Group 4 (20 min)	
Authors	Title
Carolina Urbina Malo	Effect of forest soil warming on the rate and temperature sensitivity of microbial C and N processes in a temperate mountain forest
Chupei Shi	Does long-term soil warming affect microbial element limitation? A test by short-term assays of microbial growth responses to labile C, N and P additions
Ye Tian	Changes in soil warming effects on microbial C, N and P cycling across seasons in a temperate calcareous mixed forest
Moritz Mohrlok	The influence of short-term and long-term warming on physical soil carbon pools

17:30

Group 5 (15 min)	
Authors	Title
Simone Kilian Salas	Using N2O to detect if a tipping point has been crossed in tropical soils after droughts
Shun Hasegawa	The impacts of long-term, high intensity N addition on the chemical composition of soil organic matter in a boreal forest
Joseph Roscioli	Exploring The Birch Effect In The Subsurface Using Diffusive Soil Probes
Qianqian Huang	Climatological study of the Boundary-layer air Stagnation Index for China and its relationship with air pollution

17:45

Group 6 (10 min)	
Authors	Title
Rosaleen March	The effect of drought on functional traits and diversity in Douglas Fir: snapshots before, during, and after the summer 2018 European drought event
Mikhail Makarov	Vaccinium vitis-idaea decreases the dependence of alpine soil properties from soil moisture

17:55

Closing (5 min)	
Lucia Fuchslueger	Short summary of the session and final remarks