09:00-09:15 [S05.29] Soil biodiversity as a driver of ecosystem multifunctionality and sustainability
M.G.A. van der Heijden*, S.F. Bender1, L. Koehl1, K. Schlaeppi1, C. Wagg1, R. Wittwer1
1Institute for Sustainability Sciences, Agroscope, Switzerland, 2University of Zurich, Switzerland

09:15-09:30 [S05.30] Plant-soil feedbacks of crop species and their semi-natural relatives
G.B. De Deyn
Wageningen University, The Netherlands

09:30-09:45 [S05.31] Using plant-soil feedbacks to manage plant communities
A. Kulmatiski
Utah State University, USA

09:45-10:00 [S05.32] Plant-soil feedbacks and the resource economics spectrum
Z. Mehrabi1, S.L. Tuck2, J. Katte3, P.B. Reich4
1University of Oxford, UK, 2Max Planck Institute for Biogeochemistry, Hans Knöll Straße, Germany, 3University of Minnesota, USA, 4Western Sydney University, Australia

10:00-10:15 [S05.33] Learning from nature: Using plant-soil feedback to improve disease control in greenhouse cutflowers
T.M. Bezemer1, H. Ma2, A.W.G. Van der Wurff2
1Netherlands Institute of Ecology (NIOO-KNAW), The Netherlands, 2Wageningen University and Research Centre, The Netherlands

10:15-10:30 [S05.34] Effects of agricultural wheat selection on plant trait variability and trait syndromes
A.A.M. Cantarel1,3, B. Andrieu2,4, V. Allard2, J. Enjalbert1, J. Gervaix1, S. Saint Jean2, T. Pommier1, C. Pope2, X. Le Roux1,3
1Université Lyon, France, 2INRA, France, 3CNRS, France, 4AgroParisTech, France, 5Université Paris Sud, France

11:00-11:15 [S05.35] Trading nutrients between drought-tolerant mycorrhizae and hyphae-associated microbes
B. Drigo1, M. Delgado-Baquerizo1, F.T. Maestre4, P. Mariotte2, Y. Carrillo2, J. Bouguoure3, I.C. Anderson1, A. Canarini2, F. Dijkstra2, S. Power1, R. Ochoa Hueso1
1Western Sydney University, Australia, 2The University of Sydney, Australia, 3The University of Western Australia, Australia, 4Universidad Rey Juan Carlos, Spain

11:15-11:30 [S05.36] Resistance of soil microbial communities and Lolium perenne to a drought event: Is there a legacy effect of previous hydric stress?
N. Legay1, A. Foulquier1, C. Arnoldi1, S. Lavorel2, J-C. Clément1
1University of Grenoble-Alpes, France, 2CEH, France

11:30-11:45 [S05.37] Plant-soil feedbacks in increasingly drier Mediterranean oak (Quercus) forests
G. Rutten1, L. Gómez-Aparicio
IRNAS-CSIC, Spain

11:45-12:00 [S05.38] Drought modifies plant-soil feedback and plant-plant interaction with persistent effects to subsequent drought
A. Kaisermann1, F.T. De Vries1, R.I. Griffiths2, R.D. Bardgett1
1University of Manchester, UK, 2CEH, UK
12:00-12:15 [S05.39] Extending the link between forage digestibility, plant traits and litter decomposability across management gradient in pecific-rich rangelands
I. Bumb1, E. Garnier2, E. Kazakou*1
1UMR CEFE 5175, France, 2Montpellier SupAgro, France

12:15-12:30 [S05.40] Millennia old carbon in deep soil layers is released by plant-soil interactions through mediation by soil microorganisms
T. Shahzad*1, S. Fontaine1
1Government College University, Pakistan, 2Unité de Recherche sur l'Ecosystème Prairial-INRA Clermont Ferrand, France