

# Plant-Soil Feedbacks: Bridging Natural and Agricultural Sciences

Wednesday 31<sup>st</sup> August 2016 (morning)

09:00-09:15

## **Soil biodiversity as a driver of ecosystem multifunctionality and sustainability**

Van der Heijden M, Bender F, Olbrech L, Schlaeppi K, Wagg C & Wittwer R

09:15-09:30

## **Plant-soil feedbacks of crop species and their semi-natural relatives**

Gerlinde B De Deyn

09:30-09:45

## **Using plant-soil feedbacks to manage plant communities**

Andrew Kulmatiski

09:45-10:00

## **Plant-soil feedbacks and the resource economics spectrum**

Zia Mehrabi, Tuck SL, Kattge J & Reich PB

10:00-10:15

## **Learning from nature: using plant-soil feedback to improve disease control in greenhouse cutflowers**

T Martijn Bezemer, Ma H & van der Wurff A

10:15-10:30

## **Effects of agricultural wheat selection on plant trait variability and trait syndromes**

Amelie AM Cantarel, Andrieu B, Allard V, Enjalbert J, Gervais J, Saint Jean S, Pommier T, Pope C & Le Roux X

10:30-11:00 COFFEE BREAK

11:00-11:15

## **Trading nutrients between drought-tolerant mycorrhizae and hyphae-associated microbes**

Barbara Drigo, Mariotte P, Bougoure J, Canarini A, Dijkstra FA, Power S, Ochoa Hueso R, Maestre FT, Delgado-Baquerizo M, Anderson IC & Carrillo Y

11:15-11:30

## **Resistance of soil microbial communities and *Lolium perenne* to a drought event: is there a legacy effect of previous hydric stress?**

Nicolas Legay, Foulquier A, Arnoldi C, Lavorel S & Clément J-C

11:30-11:45

## **Plant-soil feedbacks in increasingly drier Mediterranean oak (*Quercus*) forests**

Gemma Rutten & Gómez-Aparicio L

11:45-12:00

## **Drought modifies plant-soil feedback and plant-plant interaction with persistent effects to subsequent drought**

Aurore Kaisermann, De Vries FT, Griffiths RI & Bardgett RD

12:00-12:15

## **Extending the link between forage digestibility, plant traits and litter decomposability across management gradient in specific-rich rangelands**

Bumb I, Garnier E & Elena Kazakou

12:15-12:30

## **Millennia old carbon in deep soil layers is released by plant-soil interactions through mediation by soil microorganisms**

Tanvir Shahzad & Fontaine S

12:30 LUNCH BREAK