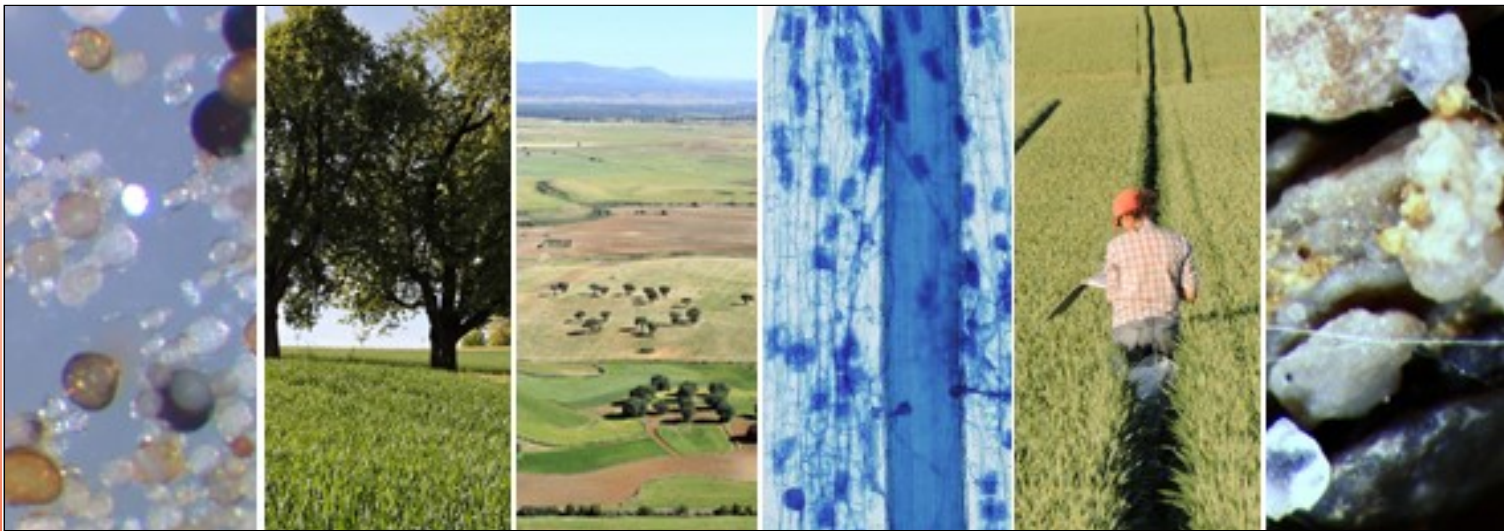


November 14-15, 2019

## Symposium: Above- and belowground Biodiversity for Sustainable Ecosystems

Agroscope, Zurich, Reckenholz



**Biodiversity loss has become a global concern as increasing evidence highlights the importance of diverse species interactions as the main drivers of the ecosystem services on which society depends. This symposium focuses on the importance of above and belowground biodiversity for ecosystem functioning, multifunctionality and sustainability. Various talks will highlight the importance of biodiversity for agro-ecosystem functioning as this symposium is linked to the Biodiversa research project “Agricultural Diversification: Digging Deeper” investigating the importance of agricultural crop diversification.**

We are now accepting abstract submissions for both oral and poster presentations. The abstracts should address the role of plant, animal, and/or microbial biodiversity on ecosystem functioning in terrestrial ecosystems including agro-ecosystems. Themes covered include soil biodiversity, above-ground and below-ground biodiversity, nutrient cycling, ecosystem multifunctionality, climate change, carbon sequestration and agricultural sustainability.

**Please register online at:**

<https://www.agroscope.admin.ch/agroscope/en/home/news/events.html>

The deadline for submitting abstracts for an oral presentation is **30 June 2019**. We will inform you of abstract acceptance no later than **31 July 2019**. Abstracts for posters can be submitted until the 31<sup>st</sup> of August. A maximum of 125 participants can join this symposium. Registration fee: 250 CHF (including lunches, informal dinner on Thursday, and refreshments) or 125 CHF per day excluding dinner). Additional information on venue location, directions, accommodations and other logistical considerations can be found on the website. Contact for further questions: [gina.garland@agroscope.admin.ch](mailto:gina.garland@agroscope.admin.ch)

Organizers: Marcel van der Heijden & Gina Garland (Agroscope, Switzerland), Sara Hallin (SLU, Sweden), Fernando Maestre (URJC, Spain), Laurent Philippot (INRA, France), and Matthias Rillig (FUB, Germany).



## Preliminary Program

Note: \*indicates keynote speaker.

Thursday, 14 <sup>th</sup> November, 2019	<b>Session 1: Biodiversity, Global Change and Ecosystem multifunctionality</b>		
	9.00-9.15	Welcome and introduction to symposium	
	9.15-9.45	<b>Richard Bardgett*</b>	<b>Resilience of belowground communities to global change</b>
	9.45-10.15	<b>Fernando Maestre*</b>	<b>Biodiversity and multifunctionality in global drylands</b>
	10.15-10.30	Speaker	To be selected
	10.30-10.50	Break	
	10.50-11.20	<b>Francisca de Vries*</b>	<b>Can we use plant traits to increase the resistance of agricultural systems to climate change?</b>
	11.20-11.50	<b>Klaus Birkhofer*</b>	<b>Soil Biodiversity and ecosystem functions in cereal farming systems under climate change</b>
	11.50-12.05	Speaker	To be selected
	12.05-12.50	Panel discussion	Chaired by Sara Hallin
	<b>Session 2: Soil Biodiversity and Ecosystem functioning</b>		
	14.00-14.30	<b>Peter de Ruiter*</b>	<b>Why are there so many species <i>in</i> earth?</b>
	14.30-15.00	<b>Nico Eisenhauer*</b>	<b>Land-use effects on soil organisms and processes in a future climate</b>
	15.00-15.15	Speaker	To be selected
	15.15-15.35	Break	
	15.35-16.05	<b>Eric Allan*</b>	<b>Biodiversity and ecosystem multifunctionality</b>
	16.05-16.20	Speaker	To be selected
	16.20-16.35	Speaker	To be selected
	16.35-17.15	Panel discussion	Chaired by Matthias Rillig
17.15-18.30	Poster Session and apero		
19.00	Symposium dinner		

Friday, 15 <sup>th</sup> November, 2019	<b>Session 3: Biodiversity and agricultural sustainability</b>		
	9.00-9.30	<b>Claire Chenu*</b>	<b>Managing carbon sequestration and soil fertility for sustainable agro-ecosystems</b>
	9.30-10.00	<b>Matthias Rillig*</b>	<b>Managing arbuscular mycorrhiza for sustainable agroecosystems</b>
	10.00-10.15	Speaker	To be selected
	10.15-10.50	Break	
	10.50-11.20	<b>Laurent Philippot*</b>	<b>Benefits of plant controls on microbial nitrogen transformations for sustainable agroecosystems</b>
	11.20-11.50	<b>Sara Hallin*</b>	<b>Agricultural diversification supports biodiversity and multiple ecosystem services</b>
	11.50-12.05	Speaker	To be selected
	12.05-12.45	Panel discussion	Chaired by Fernando Maestre
	<b>Session 4: Using and applying biodiversity for agricultural sustainability and the environment</b>		
	14.00-14.30	<b>Eva Reinhard*</b>	<b>Integrating Biodiversity into Agricultural Policy: Opportunities and Limitations</b>
	14.30-15.00	<b>Urs Niggli*</b>	<b>Managing biodiversity in productive agroecosystems</b>
	15.00-15.15	Speaker	To be selected
	15.15-15.30	Speaker	To be selected
	15.30-15.50	Break	
	15.50-16.20	<b>Marcel van der Heijden*</b>	<b>How to manage our land? Impact of different agricultural practices on biodiversity, ecosystem multifunctionality and the environment</b>
	16.20-17.00	Panel discussion	Chaired by Marcel van der Heijden
	17.00	End of symposium and concluding remarks	