

Wednesday, September 21st 2011

08.30 Registration desk open - Lobby

THEME 3: BIODIVERSITY

Chair: Lijbert Brussaard

08.30 – 08.55 **KEYNOTE** – Haakzaal
Diana Wall, Colorado State University, The United States
Biodiversity is key to sustaining soils

08.55 – 09.20 **KEYNOTE** – Haakzaal
Louise Jackson, University of California, The United States
Nitrogen cycling, soil biota and agricultural intensification

09.20 – 10.00 Plenary discussion - Haakzaal

10.00 – 10.30 One minute poster pitches – Haakzaal

Presented posters:

Lina Ahlbäck: Spatial diversity patterns in forest springtail (collembola) communities

Tina Astor: functional traits of snails on islands

Jan Bengtsson: Springtail diversity and plant decomposition in the Fynbos biome, South Africa

Felix Bianchi: Putting soil management in a landscape context for ecological intensification of agriculture

Karst Brotsma: Rhizosphere effects on soil microbial activity

Rachel Creamer: Indicators of soil biodiversity from national perspectives to European policy

Hamid Custovic: Peatland degradation processes in the mediterranean karst region of Bosnia and Herzegovina

Christian Geißler: The role of biodiversity for throughfall kinetic energy in subtropical forest ecosystems

Frederic Gerard: Towards a predictive model of soil and rhizosphere phosphorus availability

Olga Grabczyńska: How do different earthworms species change nematode community structure?

Gera Hol: Consequences of microbial species loss for agricultural soils under different management intensities

Ingrid Lubbers: Are earthworms good or bad for the soil greenhouse gas balance?

Muhammad Imtiaz Rashid: Impact of fertilization history of grasslands on apparent nitrogen recovery from recently applied solid cattle manure

Tatiana Rittl: Land use around Atlantic forest parks (sp, Brazil)

Evgeny Shein: Hydrological and thermal regimes of complex soil cover

Jerome Tondoh: Impact of cocoa cultivation on soil health in ivory coast: a chronosequence study

Nick van Eekeren: Soil biological quality after 17 years of continuous maize cropping with and without cover crop and two levels of organic fertilisation

Rachel Creamer: Understanding how the aboveground community modulates the belowground community with regard to phosphorus incorporation and utilisation

10.30 – 11.00 Coffee break – *Terraszaal and Wolfswaardzaal*

11.00 – 12.30 **PARALLEL SESSION**

2 workshops or masterclasses

11.00 – 12.30	– <i>Marjel Neefjes</i> Readable writing: writing for the general public <i>Pomonazaal 1</i>	<i>Felix Bianchi and Lijbert Brussaard</i> Soil Management and Biodiversity workshop <i>Pomonazaal 2</i>
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2 sessions with 6 oral presentations

Session 3.1: Soil assessment, land use and ecosystem services –
Peppelzaal 1 and 2

Chair: Katarina Hedlund (Lund University)

11.00 – 11.15 *Michiel Rutgers*
Ecological basis for developments in soil Ecosystem Services

11.15 – 11.30 *Ute Hamer*
Land-use change: consequences for soil microorganisms and soil functions

11.30 – 11.45 *Céline Pelosi*
Why do we need long-term trials to assess the impact of pesticides and soil tillage on earthworms?

11.45 – 12.00 *Renske Landeweert*
DNA barcode-based characterization of nematodes communities

Session 3.2: Soil-plant-nutrient interactions –
Haakzaal

Chair: Sören Thiele-Bruhn (University of Trier)

Jaap Bloem
The relevance of nitrogen retention by soil biota in the rehabilitation of natural grassland communities

Sören Thiele-Bruhn
The Antibiotic Sulfadiazine in Manure affects the Biodiversity of the Soil Microbial Community

Karsten Kalbitz
Does changed litter input affect lignin stability and microbial communities in forest soils?

Cameron Wagg
Belowground biodiversity effects of plant symbionts supports aboveground productivity

12.00 – 12.15	<i>Guénola Pérès</i> Selection of soil bioindicators for impact assessment of land use changes and soil protection. Exemple of the "Bioindicators Programme."	<i>Marcel van der Heijden</i> Soil biodiversity and agricultural sustainability
12.15 – 12.30	<i>Rachel Creamer</i> Indicators of soil biodiversity from national perspectives to European policy	<i>Franciska de Vries</i> Plant-microbe interactions control N leaching from grassland soils
12.30 – 14.00	Lunch with postersession – <i>Terraszaal and Wolfswaardzaal</i>	

THEME 4: GOVERNANCE AND POLICY

Chair: Mark Kibblewhite

14.00 – 14.25	KEYNOTE – Haakzaal <i>Ladislav Miko, Deputy Director-General of DG Health and Consumers at the European Commission</i> Soil protection as a challenge for European policy	
14.25 – 14.50	KEYNOTE – Haakzaal <i>Luca Montanarella, JRC, European Commission</i> On governance and policy related to sustainable development	
14.50 – 15.30	Plenary discussion - <i>Haakzaal</i>	
15.30 – 16.00	One minute poster pitches – <i>Haakzaal</i>	
	Presented posters:	
	<i>Simon Moolenaar:</i> The SNOWMAN network: transnational programming of strategic research on soils	
	<i>Anna María Ágústsdóttir:</i> Soil conservation in Iceland and the future implications of whether Iceland will join the EU	
	<i>John Bailey:</i> Assessing the risk of nutrient loss from covered field heaps of poultry litter	
	<i>Ciro Gardi:</i> Mapping soil ecosystem services: a methodological approach	
	<i>Mirjam Hack-ten Broeke:</i> EU soil thematic strategy: soil threats and priority areas	
	<i>Mirjam Hack-ten Broeke:</i> Identification of prime agricultural land	
	<i>Mark Kibblewhite:</i> Ideas for innovative 21st century field systems	
	<i>Marius Heinen:</i> Effectiveness of unfertilized grass buffer strips along ditches in the netherlands to reduce nutrient loads from intensive agriculture	
	<i>Marius Heinen:</i> Can lysimeters be used to reduce emission in soil based glasshouse horticulture?	

16.00 – 16.30 Coffee break – *Terraszaal and Wolfswaardzaal*

16.30 – 18.00 **PARALLEL SESSION**

3 workshops or masterclasses

16.30	–	<i>Sandra Boekhold, Piet</i>	<i>Lars Hein</i>	<i>Mark Kibblewhite</i>
18.00		<i>Otte and Margot de Cleen</i>	From ecosystem services to monetary value	Spatial prioritisation of soil protection actions - can meaningful priority areas be defined?
		Soil, partner in sustainable development	<i>Pomonazaal 2</i>	<i>Peppelzaal 1</i>
		<i>Pomonazaal 1</i>		

2 sessions with 6 oral presentations

Session 4.1: Soil information in support of policy making and awareness raising –
Haakzaal

Chair: Johan Bouma
(Wageningen University)

Session 4.2: Ecosystem services: a useful concept for soil policy making? –
Peppelzaal 2

Chair: Ton Breure
(RIVM, Radboud University Nijmegen)

16.30 – 16.45	<i>Rogier Schulte</i> Functional Soil Planning: can policies address global challenges with local action?	<i>Thomas Eglin</i> More policy-driven research on soil: feedback from the French GESSOL program
16.45 – 17.00	<i>Gabriele Broll</i> Soil policy in Europe - no communication - no success	<i>Leo Posthuma</i> Appraisal and governance of multiple-stressed soil systems
17.00 – 17.15	<i>Todd Crane</i> Same soils, different ideas: Comparison of Marka and Fulani agropastoralists' knowledge of soils in central Mali	<i>Gerlinde de Deyn</i> Grassland restoration: promoting biodiversity and ecosystem services
17.15 – 17.30	<i>Willie Towers</i> The Role of Soils Information in Scottish Rural policy and support	<i>Katarina Hedlund</i> Soil ecosystem services , their value and use in promoting sustainable farming
17.30 – 17.45	<i>Olivier Dewitte</i> The Soil Atlas of Africa	<i>Jos van Orshoven</i> Absolute and relative approaches for integrating soil ecosystem services in rural land use planning
17.45 – 18.00	<i>Ciro Gardi</i> Soil atlas of Latin America and Caribbean: soil science and awareness raising	<i>Estelle Dominati</i> The value of soil ecosystem services for a New Zealand dairy farm
18.00 – 19.30	Snacks with refreshments and poster session – <i>Terraszaal and Wolfswaardzaal</i>	