



**The flux matters –
Concepts and methods for a cross continental analysis of grassland
ecosystems vulnerable to climate change**

**GrassNet Summer School
5-16 September 2010
program**

	Mon 06	Tue 07	Wed 08	Thu 09	Fri 10	Sat/Sun 11/12
Time	Introduction	Plant science, C and N fluxes	Soil, plant and atmosphere	Land use and ecosystem	Group work	Weekend
9.00-10.30	School opening and introduction <i>Folkard Asch (UHOH, GrassNet Project Leader)</i> Participants self introduction	Grass tree interaction in African Savanna systems <i>Anna Treydte, UHOH</i> Nutrient distribution affecting animal behaviour <i>Rina Grant, Kruger Nat. Park</i>	C and water fluxes response to climate change in Songnen grassland of Northeast China <i>Guo Jixun, NENU</i> Eddy Tower Flux measurements: C balance across the Chinese Northeast steppe gradient <i>Gang Dong, NENU</i>	The emergence of peri-urban camel production in northern Kenya. <i>Abdi Y Guliye, Egerton</i> Options for securing camel breeding stock in production systems vulnerable to climate variability <i>Mumina Shibia, Egerton</i>	Group work: developing research proposals	Saturday 11: for free arrangement
10.30	Coffee	Coffee	Coffee	Coffee	Coffee	
11.00-12.30	Welcome note <i>Ludwig Kammesheidt, Tropenzentrum</i> Group work, mind mapping, expectations <i>Moderation: Folkard Asch, UHOH</i>	Concepts for measuring carbon fluxes <i>Holger Brueck, UHOH</i>	Rhizosphere and its priming effect in grassland ecosystems <i>Yingzhi Gao, NENU</i> Plant stress physiology: concepts and methods <i>Folkard Asch, UHOH</i>	Nutrient cycling and the use of C and N to assess grassland quality <i>Gilbert Obwoyere, Egerton</i> Changes in land-use/land cover and rangeland degradation in Ethiopia <i>Abule Ebro (Ethiop. Agr. Res. Org.)</i>	Group work: developing research proposals	Sunday 12: city tour Stuttgart, sightseeing, group activities <i>Manuel Hilscher, UHOH</i>
12.30	Lunch	Lunch	Lunch	Lunch	Lunch	
14.00-15.30	The Jena Experiment, Grassland biodiversity and ecosystem functioning <i>Michael Scherer-Lorenzen, Univ. Freiburg</i>	Nitrogen fluxes in grassland ecosystems: effects of climate variability and grazing <i>Marcus Giese, UHOH</i>	Soil Organic Matter: Relevance for climate change studies in grassland ecosystems <i>Markus Steffens (TUM)</i>	Grazing and Grassland productivity <i>José Casco, Cristina Goldfarb, INTA</i> Chewing activity as a measurement for feed intake in grazing systems <i>Uwe Richter, DITSL</i>	Group work: developing research proposals	
15.30	Coffee	Coffee	Coffee	Coffee	Coffee	
16.00-17.30	Dryland farming systems as a means of sustaining agrodiversity in small scale systems in Kenya <i>Simon Nguluu, KARI</i>	Video conference: Understanding grassland responses CC: An experimental approach <i>John Blair, Kansas State Univ.</i>	Video Conference: Grassland response to current stresses and implications for CC <i>Daniel Milchunas, Colorado State University</i>	Remote sensing and GPS monitoring in Argentinean rangelands <i>Piedad Cristiano, Estanislao Diaz Falu, Karina Vallejos, INTA</i>	Presentation and discussion of group work	
17:30	GrassNet today: summary, feedbacks, highlights 18:00 Welcome evening, Beer & Brezel	GrassNet today: summary, feedbacks, highlights	GrassNet today: summary, feedbacks, highlights 19:00 Summer School Dinner at Hohenheim Castle	(18:00) GrassNet today: summary, feedbacks, highlights	GrassNet today: summary, feedbacks, highlights	



	Mon 13	Tue 14	Wed 15	Thu 16	Fri 17
Time	Soil Biology / Synthesis	Tropentag in Zürich	Tropentag in Zürich	Tropentag in Zürich	
9.00-10.30	Soil Microbial Biology <i>Ellen Kandeler, UHOH</i>	Travel from Hohenheim to Zürich by train. Hotel check in and Tropentag conference registration	Sessions offered (<i>please refer to the conference program</i>): 1 Food security and food quality 1.1 Food production 1.2 Food quality and technology 1.3 Food intake and nutritional impact	4 Animal science 4.1 Animal breeding, husbandry and health 4.2 Forages and feeding systems 4.3 Animal nutrition and supplementation 4.4 Aquaculture and fisheries	
10.30	Coffee				
11.00-12.30	Visiting Climate Change experimental sites at the University of Hohenheim <i>Ellen Kandeler, UHOH</i>	Tropentag 2010 World food system – A contribution from Europe ETH Zurich September 14 - 16, 2010	2 Natural resources managem. 2.1 Nutrient cycling and crop nutrition 2.2 Forest management 2.3 Water management 2.4 Ecosystem services 2.5 Biodiversity 2.6 Land and soil use	5 Markets and rural development 5.1 Value chains 5.2 Market development 5.3 Rural development 5.4 Communication and extension services 5.5 Transdisciplinary research	
12.30	Lunch				
14.00-15.30	GrassNet this week: Synthesis and future planning <i>Folkard Asch, UHOH</i>	International Research on Food Security, Natural Resource Management and Rural Development. Program available under: www.tropentag.de	3 Plant systems 3.1 Agronomic practices 3.2 Biotic and abiotic stress 3.3 Genetic resources 3.4 Mixed cropping, agroforestry and biofuels 3.5 Rice research	Final GrassNet Group meeting (to be announced)	
15.30	Coffee				
16.00-17.30	GrassNet this week: Synthesis and future planning <i>Folkard Asch, UHOH</i>	Tropentag Sessions	Tropentag Sessions	End of the Tropentag Conference and GrassNet Summer School 2010	
17:30	Social evening, Beer & Brezel		Tropentag Conference Dinner	<i>We wish all participants a safe trip home!</i>	



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UNIVERSITÄT HOHENHEIM



Centre for Agriculture
in the Tropics and Subtropics

DITSL

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subtropische Landwirtschaft G.m.b.H.