

Program MDI-soils 25-27th of Oct, 2007 Jena

Thursday

10.00	Claudia Hillinger	Welcome: Introducing Jena and the MPI for Biogeochemistry
10.10	Markus Reichstein	Introduction: Chances and challenges for model-data synthesis in Biogeochemical cycle science

Modelling Session

10.30	Thomas Wutzler	Models for different hypotheses for organic matter (OM) stabilization
11.00	Jari Liski	A new version of the Yasso model
11.30	Hanspeter Portner and Annett Wolf	The soil respiration / soil organic matter dynamics in the ecosystem model LPJ-GUESS
11.45	Pia Gottschalk	Evaluation of RothC at three chronosequence sites in Zimbabwe using ¹³ C measurement data
12.00	Martin Wattenbach	Uncertainties when modelling cropland carbon balance in Europe
12.15	Open discussion	

12.45 Lunch break

Integration Session

14.00	Claire Chenu	Micro-aggregates : sites of organic matter stabilization?
14.15	Tobias Rütting	A ¹³ C tracing model to identify C loss processes from a grassland soil
14.30	Oleg Chertov	On the theoretical analysis of the dynamics of plant residue mineralization and humification in a soil
14.50	Thorsten Wiegand	Pattern oriented modeling for revealing hidden information
15.15	coffee break	
16.00	Christian Hoffmann	Optimal Experimental Design
16.45	Thorsten Wiegand	Using the Pareto Optimal Model Assessment Cycle (POMAC)
17.30	Open Discussion	

19.00 Dinner at the city Restaurant "Im Sack" at Oberlauengasse 14

Friday

Experimental Session

9.00	Hana Šantrůčková	Insight and questions from ¹³ C studies in soil
10.00	Stefany Schulze	Tracing the fate of carbon in soils with double labeling and PLFA analysis
10.15	Michael Bahn	Linking grassland soil respiratory fluxes and assimilate supply: evidence and open questions
10.45	coffee break	
11.00	Daniel Metcalfe	Distinguishing the effects of substrate supply and quality upon soil respiration in an Amazon rainforest
11:15	Daniel Metcalfe	Interactions between forest trees and soil carbon: insights from a large-scale ¹³ C labelling experiment
11:30	Jens-Arne Subke	Biotic interactions - can we link soil C mineralisation to plant productivity?
11.45	Jens Arne Subke	Mini-Biosphere

12.00

Poster Session

Michael Schmitt	Differential effects of fresh organic carbon supply on microbial versus root respiration in clipped and shaded grassland.
Eva Kastovska	Fate and dynamics of recently fixed C in pasture plant-soil system
Katerina Zemanova	¹³ C fractionation in microbial biomass
Daniela Dalmonech	Modelling Carbon Nitrogen interactions in decomposition
Mikko Tuomi	Yasso 2007

12.40 Lunch break

14:00 Discussion on establishing cooperation and proposals

16.00 official end

19.00 Dinner at the city "Landgrafen" [Landgrafenstieg 25](#)

Saturday

10.30 - 16.00 Hike at the Jenaer Kernberge
