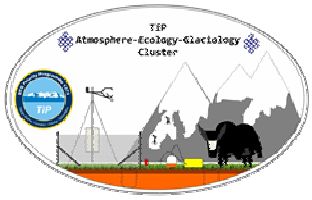
Workshop on "Scaling problems in the carbon and water cycle" within the DFG Tibetan Plateau (TiP) Young scientist program



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Program and planned schedule

The workshop will be hosted at the University of Bayreuth, and will include a theoretical introduction in the topic "Scaling problems in the carbon and water cycle" as well as two practically orientated parts, focusing on measurement techniques and data processing. It will take place from March 14th till 19th, 2011.

Date	Time	Activity	Responsible Person
14.03.	14:30-16:00	Atmospheric carbon and water cycle	Thomas Foken (Univ. Bayreuth, Dep. Micrometeorology)
	16:00-17:30	SOM fractions: concepts, fractions, properties	Georg Guggenberger (Univ. Hannover, Institute of Soil Science)
	17:30-19:00	Plant water cycle: Altitude gradients and vegetation types in steppe grasslands and forests	Bernhard Schuldt (Univ. Göttingen, Institute for Plant Sciences)
	19:30	Dinner	
15.03.	8:30-11:00	Scale Interactions	Thomas Foken (Univ. Bayreuth, Dep. Micrometeorology)
	11:00- 12:30	Introduction talks: Measurement techniques	chair: Tobias Biermann 15min talks by PhD students
	14:00-18:00	Introduction to following measurement techniques: Chamber measurements, Eddy Covariance, Isotope labeling	
16.03.	8:30-18:00	Excursion to field sites from the University of Bayreuth, Fichtelgebirge	Tobias Biermann, Wolfgang Babel
17.03.	8:30-10:00	Introduction Talks: Data processing	chair: Wolfgang Babel 15min talks by PhD students
	10:00-11:00	Time-lag between photosynthesis and CO_2 efflux from soil	Yakov Kuzyakov (Univ. Bayreuth, Dep. AgroEcoSystem Research)
	14:00-18:00	Data processing with example data set from the Kema experiment 2010	chair: Wolfgang Babel
18.03.	8:30-12:30	Data processing with example data set from the Kema experiment 2010	chair: Wolfgang Babel
	14:00-18:00	Final talks and discussions	

Participants

The talks on Monday, Tuesday morning as well as the talk by Y. Kuzyakov are public. In case of interest to participate in the whole workshop, please contact tobias.biermann@uni-bayreuth.de.

Following members of the TiP Atmosphere-Ecology-Glaciology Cluster and related projects will attend the workshop:

Name	**University**	**Subproject**
Babel, Wolfgang (PhD Student)	Bayreuth	Mesoscale Circulations and Energy and Gas Exchange Over the Tibetan Plateau
Becker, Lena (PhD Student)	Hannover	The making of a Tibetan landscape: Integrative Studies at the *Kobresia pygmaea* ecosystem research station Kema
Biermann, Tobias (PhD Student)	Bayreuth	Mesoscale Circulations and Energy and Gas Exchange Over the Tibetan Plateau
Biskop, Sophie (PhD Student)	Jena	Integrated System Analysis to Understand the Implications of the Asian Monsoon System on the Tibetan Hydrology with Focus on Nam Co Basin
Gerken, Tobias (PhD Student)	Bayreuth/Cambridge	Mesoscale Circulations and Energy and Gas Exchange Over the Tibetan Plateau
Huintjes, Eva (PhD Student)	Aachen	Dynamic Response of Glaciers on the Tibetan Plateau to Climate Change
Ingrisch, Johannes (Master Student)	Bayreuth	The making of a Tibetan landscape: Integrative Studies at the *Kobresia pygmaea* ecosystem research station Kema
Maussion, Fabien (PhD Student)	Berlin	Dynamic Response of Glaciers on the Tibetan Plateau to Climate Change
Seeber, Elke (PhD Student)	Göttingen	The making of a Tibetan Landscape: Identification of Parameters, Actors and Dynamics of the *Kobresia pygmaea* Pastoral Ecosystems
Michael Riederer (PhD Student)	Bayreuth	FORKAST

Further Information concerning the DFG TiP Atmosphere-Ecology-Glaciology Cluster: https://www.bayceer.uni-bayreuth.de/TiP-AEG

Further Information concerning the DFG SPP 1732: http://www.tip.uni-tuebingen.de/