



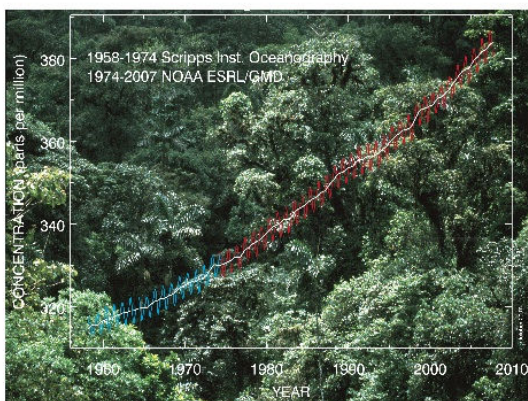
International Conference
of the Society for Tropical Ecology
18-22 February 2008

21st Annual Meeting
Society for Tropical Ecology (gtö)
- Gesellschaft für Tropenökologie -

Consequences of Climate Change on Tropical Ecosystems



© Helmut Dolitz, 2008



Atmospheric CO₂ at Mauna Loa Observatory

Institute of Botany and Botanical Gardens
Centre for Agriculture in the Tropics and Subtropics

University of Hohenheim,
Stuttgart, Germany



Second Circular

**21st Annual Meeting of the
Society for Tropical Ecology – Gesellschaft für Tropenökologie (gtö)**

**Hohenheim, Germany
18-22 February 2008**

„Consequences of Climate Change on Tropical Ecosystems“

Host: Prof. Dr. Manfred Küppers
Institute of Botany & Botanical Gardens, University of Hohenheim
Centre for Agriculture in the Tropics and Subtropics, University of Hohenheim

The tropics strongly impact global climate. From tropical rainforests to subtropical desert belts tropical ecosystems affect continent-wide precipitation and temperature, vice versa they respond to “Global Changes”. The conference intends to gather knowledge on all past, actual and future changes in the tropics or initiated by the tropical regions with special focus on all aspects of life including, biodiversity, bio fuel production and human biology.

The conference consists of six plenary sessions and three guided poster sessions. Each plenary session will be opened by an invited keynote speaker.

Location

Lecture Hall B3 and B2

Biologiezentrum (BIO II), University of Hohenheim, Garbenstr. 30, 70593 Stuttgart-Hohenheim

Euro-Forum

Kirchnerstr. 3, University of Hohenheim, 70593 Stuttgart-Hohenheim

Tropenzentrum

University of Hohenheim, Garbenstr. 13, 70593 Stuttgart-Hohenheim

see <https://www.uni-hohenheim.de/botanik/gtoe2008/Circular/>

or <https://www.uni-hohenheim.de/lageplan.html?&L=1>

Accommodation

Due to the new State Fare at the airport, there is a serious hotelroom shortage in the vicinity of the conference venue. Early booking is highly recommended, please see

<https://www.uni-hohenheim.de/botanik/gtoe2008/Accommodation/> as well as information about low budget accommodation.

Contact

Institute of Botany & Botanical Gardens
University of Hohenheim (210)
D-70593 Stuttgart, Germany

Conference office: Dr. Michael Pfiz, Mrs. Susanne Liner

Phone: +49-711-459-23463

Fax: +49-711-459-23355

E-mail: gtoe2008@uni-hohenheim.de

Homepage: <http://www.uni-hohenheim.de/botanik/gtoe2008>

Scheduled Conference Program

Monday, 18 February 2008

15:00	BIO II	Arrival of participants, Registration
17:00-18:30	BIO II 092	gtö Board and Council Meeting
19:00-21:00	Palace	Welcome Evening Buffet

Tuesday, 19 February 2008

08:00	BIO II	Registration
09:00	B3	Opening of the Conference Prof. Dr. M. Küppers, Conference organizer, Univ. Hohenheim Prof. Dr. H.-P. Liebig, Rector, University of Hohenheim Prof. Dr. K. E. Linsenmair, President of gtö, Univ. Würzburg

B3 I Biofuel and Consequences for Climate and Tropical Ecosystems

09:30	Plenary lecture: Biofuel from <i>Jatropha curcas</i> - Perspectives for Tropical Regions <i>Becker, Klaus</i>
10:10	Agroecology – Movement or Science? <i>Wezel, Alexander</i>
10:30	<i>Coffee break</i>

B3 V Free Topics

11:10	Understanding fragmentation effects on Tropical Forests <i>Sandro Pütz, Jürgen Groeneveld, Luciana Ferreira Alves, Alexandre Adalardo de Oliveira, Jean Paul Walter Metzger, Andreas Huth</i>
11:30	Does fragment size affect post-dispersal seed removal? <i>Tobias Weidenlener, Daniel Piechowski, Gerhard Gottsberger</i>
11:50	Regrowth of Bracken (<i>Pteridium arachnoideum</i>) after burning, herbicide treatment and other weeding methods <i>Kristin Roos, Erwin Beck</i>
12:10	The Sino-German Collaborative Project Living Landscapes-China: Rural development by land use diversification – action based strategies and integrative technologies for agricultural landscapes in mountainous SW-China <i>Jan Grenz, Gerhard Langenberger, Konrad Martin, Joachim Sauerborn</i>
12:30	Mensa <i>Lunch</i>

B3 V Free Topics

Parallel Session A

14:00	Implications of spatial genetic structure for species coexistence in dipterocarps <i>Chris Kettle, Colin Maycock, Eyen Khoo, Pete Hollingsworth, Jaboury Ghazoul, David Burslem</i>
14:20	The Paradox of Generalist Species <i>Julia Born, Reuben Nilus, David Burslem, Jaboury Ghazoul</i>
14:40	Multiple Allee effects in plant regeneration in a fragmented landscape <i>Jaboury Ghazoul, Moray McLeish</i>
15:00	Population dynamics of epiphytic orchids - does spatial position matter? <i>Manuela Winkler, Karl Hülber, Peter Hietz</i>

B2 V Free Topics

Parallel Session B

14:00	Extended maternal care of offspring by tropical leaf beetles; three new cases and evidence of independent origins in the Chrysomelinae subfamily <i>Donald Windsor, Susanne Lanckowski, Fernando Frieiro Costa, Gwen Keller</i>
14:20	Dense trophic species packing in a Malagasy primate community revealed by stable isotope data <i>Melanie Dammhahn, Peter M. Kappeler</i>
14:40	The structure of the soil food web of a tropical mountain rain forest as indicated by stable isotope analyses and nutrient additions <i>Dorothee Sandmann, Mark Maraun, Stefan Scheu</i>
15:00	C sequestration and turnover of soil organic matter pools under natural forest and forest plantations in Ethiopia <i>Wolfgang Zech, Korbinian Freier, Bruno Glaser</i>

15:20		<i>Coffee break</i>	
	B3	V Free Topics	
16:00		Response of recruitment, growth and mortality to light availability in tree species at Barro Colorado Island, Panama	<i>Nadja Rüger, Andreas Huth, Richard Condit</i>
16:20		Elevated N input increased above-ground net primary production in a tropical lower montane rain forest, Panama	<i>Markus Adamek, Marife D. Corre, Dirk Hölscher</i>
16:40-18:00	BIO II B3, Foyer	Poster Session	
18:00	B3	gtö Member meeting	
20:00-22:30	Mensa	<i>Conference Dinner</i>	

Wednesday, 20 February 2008

08:00	BIO II	Registration	
	Euro-forum	II Semi-arid to Semi-humid Ecosystems	
08:30		Plenary lecture: Interrogating gradients from sub-continental to site-specific scales: are southern African studies yielding answers to global change challenges?	<i>Karen J. Esler, Guy F. Midgley</i>
09:10		Effects of climate change on gene flow in fragmented landscapes: lessons from rodents in kalahari savanna landscapes	<i>Niels Blaum, Monika Schwager, Matthias Wichmann, Eva Rossmanith</i>
09:30		Adaptations of southern African succulents to climate change(s)	<i>Maik Veste</i>
09:50		<i>Coffee break</i>	
	Euro-forum	II Semi-arid to Semi-humid Ecosystems	
10:40		Ecological niche modelling of the distribution of plant species in West African savannas	<i>Konstantin König, A. Thiombiano, Karin Hahn-Hadjali</i>
11:00		Local vs. scientific knowledge on natural resource management – Lessons from a savanna ecosystem	<i>Jenny Eisold, Silke Tönsjost, Anja Linstädter</i>
11:20		Woody enrichment of degrading pastures in the north-eastern Amazon – options to avoid, to renovate and to recuperate pastures	<i>Stefan Hohnwald, Osvaldo R. Kato, Clemens B.A. Wollny, Gerhard Gerold</i>
11:40		Patterns of phytodiversity along a bioclimatic gradient in southern Morocco	<i>Jens Oldeland, Anna Augustin, Manfred Finckh</i>
12:00	Mensa	<i>Lunch</i>	
	Euro-forum	III Tropical Aquatic Ecosystems	
13:30		Plenary lecture: Tropical aquatic ecosystems and climate change: new challenges for research and management	<i>Karl Matthias Wantzen</i>
14:10		Saplings submerged in darkness: how they cope with extreme flooding in Amazonian floodplains	<i>Pia Parolin, Danielle Waldhoff, Cristiane Ferreira, W.J. Junk</i>
14:30		Comparison of Environmental Impact of Conventional and Organic Shrimp Farming in Guaraira Lagoon, Brazil, by Emergetic Analysis	<i>Ulfert Focken, Juliana Schober Goncalves Lima, Elmer Ccopa Rivera</i>
14:50		Linkage between sediment induced spatial variability in soil quality and rice performance in paddy fields in mountainous regions of Vietnam	<i>Petra Schmitter, M. Hertel, G. Dercon, T. Hilger, T. Thi Le Ha, Huu Thanh, T. Duc Vien, N. Van Dung, Georg Cadisch</i>
15:10		How will tropical amphibians respond to global warming? A climatic envelope model approach	<i>Dennis Rödder, Stefan Lötters</i>

15:30		Reconstructing West African rain forest refugia based on forest frogs' phylogeography	<i>Annika Hillers, Michael Veith, Mark-Oliver Rödel</i>
15:50		<i>Coffee break</i>	
16:30-18:30	BIO II B3, Foyer	Poster Session	
20:00-22:00	IHK Hall Stuttgart	Eiszeit oder Treibhausklima? Evening Lecture in the Stuttgart IHK Hall (open to the public)	<i>Peter Lemke</i>

Thursday, 21 Feb. 2008

08:00	BIO II	Registration	
	B3	V Free Topics	
08:30		Plenary lecture: Climate change and the fate of the Amazon	<i>Yadvinder Malhi</i>
09:10		How do individual species structure diversity in tropical forests	<i>Andreas Huth, Thorsten Wiegand, C. V. Salvitri Gunatilleke, I. U.A. Nimal Gunatilleke</i>
09:30		Climber species distribution and environmental factors in four African tropical rainforests of the Albertine rift	<i>Gerald Eilu, John M. Kasenene</i>
09:50		Liverworts and their fungal symbionts as global change indicators over geological time-scales	<i>Martin Nebel, Markus Preußing, Dietmar Quandt</i>
10:10		<i>Coffee break</i>	
	B3	V Free Topics	
10:40		Plenary lecture: Klimawandel und Infektionskrankheiten	<i>Fleischer, Klaus</i>
11:20		The tropical Andes as source for traditional medicines - implications of globalizing market economy and climate change	<i>Rainer W. Bussmann</i>
11:40		Ethnobotany and conservation for sustainable utilization of plants used in healthcare intervention in Western Kenya	<i>John C. Onyango, Abukutsa M. O. Onyango</i>
12:00		Response of forest bird communities to forest plantations in western Kenya	<i>Nina Farwig, Nixon Sajita, Katrin Böhning-Gaese</i>
12:20		A high-resolution 4200 year record of climate change, ecosystem dynamics, anthropogenic activity and diseases in the Cuzco region of Peru: Was the rise of the Inca Empire linked to major warming that began 1000 years ago?	<i>Alex Chepstow-Lusty, Michael R. Frogley, Brian S. Bauer, Melanie J. Leng, Karin P. Boessenkool, Alain Gioda, Andrew B. Cundy, Christopher Carcaillet</i>
12:40	Mensa	<i>Lunch</i>	
	B3	IV Forum Tropical Mountains	
14:00		BMBF China	Joachim Sauerborn
14:15		Ethiopia: Munessa forest	Georg Guggenberger
14:30		STORMA	Jan Barkmann
14:45		FOR Kilimanjaro	Andreas Hemp
15:00		FOR 816 Ecuador	Jörg Bendix
15:15		SFB 564 Vietnam	Karl Stahr
16:30		<i>Coffee break</i>	
17:00-19:00	BIO II B3, Foyer	Poster Session	
19:00-21:00	TROZ HS 20	Workshop: Climate change and tropical conservation policies	Thomas Engel

Friday, 22 February 2008

08:00	BIO II	Registration	
	Euro-forum	VI Tropical Mountains	
08:30		Plenary lecture: Tropical forests and atmospheric change	<i>Christian Körner</i>
09:10		Changes in microbial and protist (testate amoebae) community structure along an elevational gradient in tropical mountain rain forests of Ecuador	<i>Valentyna Krashevskaya, Michael Bonkowski, Mark Maraun, Stefan Scheu</i>
09:30		Hydrometeorologic and pedologic patterns in relation to montane forest types along an elevational gradient in the Yungas, Bolivia	<i>Gerhard Gerold</i>
09:50		Vegetation on Natural and Anthropogenic Landslides at the east part of Podocarpus National Park	<i>Pablo Lozano, Rainer W. Bussmann, Manfred Küppers</i>
10:10		Detection and ecological interpretation of seasonal growth patterns and stable isotope variations in tropical trees (southern Ecuador)	<i>Achim Bräuning, Franziska Volland-Voigt, Peter von Schnakenburg, Oswaldo Ganzhi</i>
10:30		<i>Coffee break</i>	
	Euro-forum	VI Tropical Mountains	
11:10		Response of element cycles in a tropical mountain rain forest in Ecuador to stress – results of 10 years of ecosystem research	<i>Wolfgang Wilcke, Jens Boy, Jana Knuth, Hans Wullaert, Carlos Valarezo</i>
11:30		Impact of elevated N input on soil N cycling and losses in a montane forest, Panama	<i>Marife D. Corre, Edzo Veldkamp, Birgit Köhler</i>
11:50		Foliar nutrients of Ecuadorian rain forest trees	<i>Sebastian Wagner, Jürgen Homeier, Christoph Leuschner</i>
12:10		Exotic nurse trees foster regeneration of native Podocarpus in a mountain forest of Ethiopia	<i>Erwin Beck, Simone Strobl, Desalegn Tadele, Masresha Fetene</i>
12:30		Forest vegetation of Kilimanjaro: hidden endemics and missing bamboo	<i>Andreas Hemp</i>
12:50		Merian Prize , Closing of the Conference	<i>Karl Eduard Linsenmair, Manfred Küppers</i>
13:30	<i>Mensa</i>	<i>Lunch</i>	
14:30-17:00	Euro-forum	FOR 816 Member meeting	

Conference fees

Conference fee
Students

Members

90 EUR
50 EUR

Non-members

120 EUR
70 EUR

Daily visitors
Conference brochure

25 EUR
10 EUR

Welcome Evening Buffet, 18 Feb 2008
Conference Dinner, 19 Feb 2008

15 EUR
25 EUR

The conference fee covers coffee breaks and the printed conference program. Not included are lunches, conference dinner and the welcome evening buffet. Meals and snacks can be purchased at the university cafeteria located next to the conference rooms.

Voluntary contribution for CO₂-neutrality

We offer the opportunity to support the reduction of carbon dioxide: Your donation will be handled by PRIMAKLIMA-WELTWEIT e.V. Düsseldorf, Germany, a non-profit-organisation which has wide experience in the pricing of carbon dioxide emissions and its translation into units of properties, especially by afforestation. Please see <http://www.prima-klima-weltweit.de>.

Please transfer your registration fee for late payment until **11 February 2008**. Reimbursement is no longer possible.

Bank transfer information	Account holder:	Prof. Dr. Manfred Küppers
	Bank:	BW-Bank
	Bank Code:	BLZ 600 501 01
	Account Number:	6271895
	Transfer info/Keyword:	Name of participant, gtoe2008
	IBAN:	DE37600501010006271895
	BIC (SWIFT):	SOLA DE ST XXX

Oral presentations and posters

There will be two forms of presentations: Oral contributions and poster presentations. Oral presentations will consist of 12 minutes talk followed by 8 minutes of discussion. The conference language will be English.

Guidelines for the preparation of posters

Poster viewing will be possible during all coffee and lunch breaks. There will be three guided poster sessions where authors can give a short introduction in front of their posters. Poster size should not exceed DIN A0 (84.1cm width x 118.9cm height).

Merian Prize

Please indicate whether you wish to participate in the competition for the Merian Prize (students, PhD candidates and PhD (thesis no longer than three years ago), only).

Dates & Deadlines

Registration:

Until 31 January 2008
Until 11 February 2008

Late poster registration
Late registration (participants without presentation)

Conference:

18 February 2008	Council meeting (17:00h), Welcome evening Buffet (19:00h)
19 February 2008	Conference Opening (9:00h)
19 February 2008	Member meeting (18:00h), Conference Dinner (19:30h)
20 February 2008	Public Evening Lecture (20:00h)
22 February 2008	Conference Closing (13:00h)