

**Tuesday 13 November 2007**

All day	Arrival of participants
19.30 -	Ice-breaker in MARUM

**Wednesday 14 November 2007**

9.00 – 9.15	Welcome and introduction to the workshop
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**Theme 1: Present-day climate controls and weather systems**

9.15 - 9.35	Sharon Nicholson	The myths and realities about North African climate: a new look at present controls....
9.35 - 9.55	<del>Kerry Cook cancelled</del>	<del>Dynamics of the West African Monsoon: Present Day, African Humid Period, &amp; Abrupt Transition</del>
9.55 - 10.15	Peter Knippertz	Meteorological conditions for dust mobilization in the Sahara
10.15 - 10.45		Coffee break
10.45 - 11.05	Andrea Sealy	The impact of dynamic vegetation on desert dust and Sahel precipitation
11.05 - 11.25	Jost Heintzenberg	Effect of Saharan dust on the energy balance, weather & climate
11.25 - 11.45	Andreas Fink	Analyses of present-day high-impact weather events associated with the West African monsoon
11.45 - 12.30		Discussion
12.30 - 14.00		Lunch break

**Theme 2: Paleoclimate change (terrestrial & marine evidence)**

14.00 - 14.20	Henry Lamb	Pleistocene desiccation of Lake Tana, source of the Blue Nile
14.20 - 14.40	Lydie Dupont	Over 30 000 years of vegetation development and climate change in Angola
14.40 - 15.00	Tom Johnson	Megadroughts and D-O Events in the African tropics during the past 150 kyrs (Lake Malawi)
15.00 - 15.20	Dirk Verschuren	Climate change on the East African equator: tropical & high-latitude climate forcing
15.20 - 15.50		Coffee break
15.50 - 16.10	John Peck	Lake Bosumtwi (Ghana) sedimentary records of environmental change
16.10 - 16.30	Raphaël Sarr	Sea-level and climatic changes evidenced by microfaunas in Retba Lake (Senegal)
16.30 - 16.50	Gerhard Schmiedl	Paleoclimate reconstructions from eastern Mediterranean sediment cores
16.50 - 17.10	Helge Arz	Glacial and Holocene climate variability at the northeastern rim of Africa: the northern Red Sea
17.10 - 17.30		Short break
17.30 - 18.15		Discussion
18.15 - 19.00	Short presentations	Chris Scholz, Katharina Neumann, Isla Castañeda, Holger Kuhlmann
19.00 -		Dinner at MARUM

**Thursday 15 November****Theme 3: Human response to climate change**

9.00 - 9.20	Stefan Kröpelin	Latitude-dependent human response to Holocene climate change in NE Africa
9.20 - 9.40	Peter Breunig	Late Holocene cultural change in West Africa
9.40 - 10.00	Katharina Neumann	The third millennium BP Central African rainforest crisis and the Bantu question
10.00 - 10.30		Coffee break
10.30 - 10.50	Cullen Hendrix	The smoking gun? Climate change, interannual resource variability and conflict in Africa
10.50 - 11.10	Heiko Paeth	Climate models and regional climate change in Africa - implications for food security & health
11.10 - 12.00		Discussion
12.00 - 13.30		Lunch Break
13.30 - 15.00	Short presentations	Julien Michel, Roberto Pierau, Syee Weldeab, Jean Nizou, Stefan Mulitza, Matthias Prange, Ute Merkel
15.00 - 15.30		Coffee break

**Theme 4: Mechanisms of climate change in Africa**

15.30 - 15.50	Bette Otto-Bliesner	PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum West African climate
15.50 - 16.10	Victor Brovkin	Interactions between local and large-scale feedbacks in North Africa
16.10 - 16.30	Martin Claussen	Climate and vegetation change in North Africa -interpretation by climate system models
16.30 - 16.50	Zheng-Yu Liu	Simulating the transient evolution of northern Africa climate-ecosystem in the Holocene....
16.50 - 17.20		Break
17.20 - 18.15		Discussion
18.15 - 19.00		Break
19.00 -		Dinner at MARUM

**Friday 16 November**

9.00 - 10.30	Discussion in working groups I
10.30 - 11.00	Coffee break
11.00 - 12.30	Discussion in working groups II, and writing down of recommendations
12.30 - 14.00	Lunch break
14.00 - 16.00	Presentation working groups & discussion, wrap up & closure

## Short presentations

Isla Castañeda	Paleoclimate of the Nile River Delta region based on multiple organic geochemical proxies
Holger Kuhlmann	NW African humid episodes during the last glaciations
Ute Merkel	Sensitivity of the African monsoon to glacial boundary conditions in a comprehensive climate model
Julien Michel	Tropical carbonates in an environment influenced by upwelling: A tool for reconstructing paleoclimate change
Stefan Mulitza	Glacial slowdowns of the Atlantic overturning circulation initiated abrupt multi-millennial droughts in the Sahel
Katharina Neumann	Phytoliths as indicators for grassland change in Africa
Jean Nizou	Deciphering fluvial and aeolian supply in shallow-water sediments off Senegal (NW Africa)
Jürgen Pätzold	Hydrological changes in the southeastern African tropics during the deglaciation and Holocene
Roberto Pirau	Indications for sea-level and short-term climatic changes recorded in turbidite activity, Dakar Canyon, NW Africa
Matthias Prange	Inducing Sahel drought by AMOC slowdown: Insights from model studies
Chris Scholz	Orbital versus glacial mode forcing of East African climate over the past 150 kyr
Syee Weldeab	Centennial scale climate instabilities in a wet early Holocene West African monsoon