

International workshop on “Asian monsoon variability and dynamics”
2nd Announcement

Conveners:

Prof. Zhisheng An, Institute of Earth Environment, Chinese Academy of Science (IEECAS)
Prof. Andre Berger, Universite catholique de Louvain (UCL), Belgium

Organizers:

Dr. Youbin Sun (IEECAS, sunyb@ieecas.cn)
Dr. Yanjun Cai (IEECAS, yanjun_cai@ieecas.cn)
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Sponsored by:

Institute of Earth Environment, Chinese Academy of Science (IEECAS)
State Key Laboratory of Loess and Quaternary Geology
State Key Laboratory of Biogeology and Environmental Geology (BGEG)

Theme:

Monsoon as an important part of earth climate system can transport heat and water vapor into vast densely populated regions. Understanding of past monsoon variability and dynamics thus can provide a key to future projection in the anthropogenic era. In the past decade, both geological proxies and model results have provided valuable insights into monsoon variability and dynamics at tectonic to centennial timescales. However, intensive data-model comparisons remain sparse due to limited brainstorm between paleoclimatologists and modelers. It is therefore timely to summarize the monsoon variability and dynamics across different spatial-temporal scales. The workshop invites contributions of terrestrial and marine proxy data, sensitivity and transient modeling results, and data-model integration related to the global monsoon changes and their interactive components of the climate system (e.g., ice, CO₂, ITCZ, ocean circulations). Prospects and future collaboration will also be discussed.

Important Dates:

Abstract submission before 30 April, 2017. The workshop will be held from June 11 to 14, 2017.

Schedule:

June 11, 18:00-20:00: Registration and welcome reception
June 12, 9:00-18:00: Presentation and discussion
June 13, 9:00-12:00: Presentation and discussion
June 13, 14:00-18:00: Lab visiting and discussion on future collaboration
June 14: Fieldtrip to the Loess Plateau

Venue:

Institute of Earth Environment, CAS. Address: No 97 Yanxiang Road, Xi'an 710061, China

Contact person: Youbin Sun (sunyb@ieecas.cn) or Fei Guo (guofei@ieecas.cn)

Invited speakers:

Name	University	Presentation/Abstract
Ayako Abe-Ouchi	University of Tokyo, Japan	
David S. Battisti	University of Washington, USA	
Andre Berger	Universite Catholique de Louvain, Belgium	
John Chiang	University of California, Berkeley, USA	
Steven Clemens	Brown University, USA	Paleomonsoon Water-isotope Proxies Verified, Linked to Precipitation Amount
Michel Crucifix	Universite Catholique de Louvain, Belgium	
Richard Lawrence Edwards	University of Minnesota USA	
Inez Fung	University of California, Berkeley, USA	
Yoni Goldsmith	LDEO, Columbia University ,USA	
Zhengyu Liu	University of Wisconsin Madison, USA	
Peter Molnar	University of Colorado at Boulder, USA	Cenozoic growth of the Tibetan Plateau and its influences on the development of the Indian (or South Asian) monsoon
Francien Peterse	Utrecht University, Netherlands	Past continental air temperature and monsoon precipitation dynamics in East Asia - a lipid biomarker perspective
Gerard Roe	University of Washington, USA	
Alexander Rohrman	Oregon State University, USA	A novel multi-proxy approach to reconstruct evapo-transpiration through time
Tada Ryuji	University of Tokyo, Japan	
Qiuzhen Yin	Universite Catholique de Louvain, Belgium	