

Wintersemester 2008/2009

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 16.10.2008, 17:00 Uhr, H6

Prof. Dr. Kun Yang

Universität Tokio & Chinesische Akademie der Wissenschaften

Tibetan experiments: Status, data analysis, and potential applicati

In this talk, following activities, which are being conducted at University of Tokyo and Institute of Tibetan Plateau will be covered:

1. On-going experiments. Current projects include Tibetan Observation and Research Platform (TORP), JICA China-Japan weather disaster project, and CAMP-Tibet follow-up project. These experiments will be introduced briefly.
2. Evaluation of surface radiation budget from remote sensing and surface energy budget from a land data assimilation system. The Plateau harsh condition represents an extreme of weather and climate and, therefore, the observations could be used to validate a scheme or a model's universality.
3. Process studies. (1) Due to strong solar heating, there are very large ground-air temperature gradients near noon. We developed a scheme to parameterize sensible heat fluxes for very large ground-air temperature gradient and this scheme was widely evaluated across China. (2) Soils beneath alpine meadows on the Plateau exhibit a clear stratification. This soil stratification plays a key role in surface water and energy budget and retard the response of frozen soil to climate change. (3) PBL development and mountain-valley circulations.
4. Extension to climate change studies. We tried to fill in the gap between experimental studies and climate change studies by combining high-resolution experimental data and low-resolution CMA (Chinese Meteorological Administration) data.

Gebäude GEO I
Hörsaal H6

Do. 16.10.2008, 17:00 Uhr, H6

Die Vortragsreihe ist eine interdisziplinäre Plattform zur Information und Diskussion für Studierende, Forschende und Lehrende

Gäste sind herzlich willkommen