Program for
The 6th International Study Conference on GEWEX in Asia and GAME
3-5 December, 2004
Kyoto International Community House, Kyoto, Japan

Organized by
GAME International Science Panel
Members of Program Committee:

Director: Prof. Jun Matsumoto, the University of Tokyo, Japan.

Members of Program Committee are:

[Land surface processes/ABL/AAN]

Prof. Michiaki Sugita, Graduate School of Life and Environmental Sciences, University of Tsukuba, Japan.

Prof. Joon Kim, Department of Atmospheric Sciences, Yonsei University, Korea.

[Precipitation processes]

Prof. Hiroshi Uyeda, HyARC, Nagoya University, Japan.

[Monsoon system studies]

Prof. Jun Matsumoto, Department of Earth & Planetary Science, the University of Tokyo, Japan.

Prof. Johnny C.L. Chan, Department of Physics and Materials Science, Hong Kong City University, China.

[Monsoon system modeling]

Prof. Takehiko Satomura, Graduate School of Science, Kyoto University, Japan.

[WEBS]

Dr. Kooiti Masuda, Frontier Research Center for Global Change (FRCGC), Japan.

Prof. B.J. Sohn, School of Earth and Environmental Sciences, Seoul National University, Korea.

[WRAP]

Prof. Taikan Oki, IIS, the University of Tokyo, Japan.
03 December 2004

Registration 09:20-10:00

Opening and welcome addresses 10:00-11:00
Chair: K. Nakamura

Break 11:00-11:15

Session 1 Land surface/ABL/AAN, part I 11:15-12:25
Chair: M. Sugita

Brief introduction of land surface/ABL/AAN sessions
M. Sugita

O1-01* New models of the unstable atmospheric surface layer
K. McNaughton* (T1DKGM16Sep04005103)
11:20-11:40

O1-02 Summary of GAME-Siberia related to the land surface processes in the 1-D scale and the follow on
T. Ohta*, T. Ohata, Y. Fukushima (T1TO30Sep04182628)
11:40-11:55

O1-03 Spectral structure of turbulent fluxes in the atmospheric boundary layer over a thermally non-homogeneous land surface – with a small summary of GAME related ABL studies –
T. Hiyama*, M.A. Strunin, M. Sugita, J. Kim (T1TH07Jul04133931)
11:55-12:10

O1-04 Land-Atmosphere Interactions: From Turbulence to Monsoon (tentative)
J. Kim*
12:10-12:25

Lunch 12:25-13:55

Session 2 Land surface/ABL/AAN, part II 13:55-15:00
Chair: B.J. Sohn

O1-05* Land surface processes and monsoon
Y. Xue*, W.-P. Li, F. de Sales, C.R. Mechoso, H.-M.H. Juang, C. Nobre
(T1YX30Jul04034458)
13:55-14:15

O1-06 A climatological divide between wetness dominant and warmth dominant regimes of the vegetation in Siberia
R. Suzuki*, J. Xu, K. Motoya (T8DRS28Jul04180637)
14:15-14:30

O1-07 Introduction to the CEOP data integration system
K. Tamagawa*, T. Nemoto, T. Koike, M. Kitsuregawa (T8KT09Aug0414237)
14:30-14:45

O1-08 On the space-time patterns of precipitation in the Himalayan range: a synthesis
A.P. Barros* (T8APB19Oct04100318)
14:45-15:00

Poster sessions 15:00-16:20

Odd numbers [1,3,...] presentation time 15:00-15:40
Even numbers [2,4,...] presentation time 15:40-16:20
**Session 3  Precipitation processes**

*Brief introduction of precipitation processes session*

**H. Uyeda***

16:20-16:25

**O1-09** Organization of mesoscale convective systems

R.H. Johnson* (T2RHJ03Jul04015909)

16:25-16:45

**O1-10** Progress in understanding of precipitation systems along the Meiyu/Baiu front during GAME and GAME II

H. Uyeda*, T. Shinoda, T. Maesaka (T2HU08Aug04223552)

16:45-17:05

**O1-11** Transition of the precipitation process over the central Tibetan Plateau during the summer of 1998

H. Yamada*, H. Uyeda (T2DYH29Jul04104738)

17:05-17:20

**O1-12** Space-time characteristics of diurnal variation in convection and precipitation over the Tibetan Plateau during the summer monsoon

H. Fujinami*, S. Nomura, T. Yasunari (T2HF09Aug04160103)

17:20-17:35

**O1-13** A numerical study of mesoscale precipitating system along Meiyu Front observed during GAME-HUBEX 1998

K. Nakamura*, Y. Fujiyoshi (T2DKN27Jul04144017)

17:35-17:50

**O1-14** Analysis of the rainstorm and flood of 2003 in the Huaihe River Basin

Z. Jin*, Q. Mingkai, X. Hui, C. Xingwu, X. Shijin (T2MZJ30Jul04200933)

17:50-18:05

**Welcome party**

19:00-20:30

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**Poster session for 3 December 2004**

**P1-01** A numerical simulation study of the impact of vegetation change on regional climate

Q. Li*, Y. Ding (T1QL09Jul04160936)

**P1-02** Inverse analysis of the effect of soil vertical heterogeneity on land surface and subsurface processes

K. Yang*, T. Koike, B. Ye (T1KY13Jul04160407)

**P1-03** Water and energy budget in the southern mountainous region of eastern Siberia

J. Kubota*, K. Suzuki, Y. Yamazaki, T. Ohata, V. Vuglinsky (T1JK28Jul04102130)

**P1-04** Aircraft turbulence measurements to estimate surface heat fluxes from the mixed layer variance methods over semi-arid grassland

A. Kotani*, M. Sugita (T1AK28Jul04161647)

**P1-05** Hydrometeorological conditions of grassland vegetation in Central Mongolia and their impact for leaf area growth

S. Miyazaki*, T. Yasuari, T. Miyamoto, I. Kainotsu, G. Davaa, D. Oyunbaatar, L. Natsagdorj, T. Oki (T1DSM28Jul04180122)

**P1-06** Preliminary results of ABL observations in LAPS project in Huaihe river basin


**P1-07** Impact of rooting depth on transpiration over a hill evergreen forest in northern Thailand


**P1-08** Comparison of water and heat balance on grassland and forest in Central Yakutia, East Siberia

H. Yabuki*, Y. Ishii, T. Ohata (T1HY30Jul04115511)
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<td>P1-09</td>
<td>Introducing lateral subsurface flow in permafrost conditions in a distributed land surface scheme</td>
<td>P. Koudelova*, T. Koike (T1KP30Jul04120253)</td>
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<td>P1-10</td>
<td>A bulk similarity approach in the atmospheric boundary layer to determine regional sensible heat fluxes</td>
<td>H. Kato*, M. Toda, M. Sugita (T1HK30Jul04155050)</td>
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<td>P1-11</td>
<td>Estimation of downward longwave radiation for clear sky conditions during the cold season in eastern Siberia</td>
<td>Y. Iijima*, H. Yabuki, T. Ohata (T1YI30Jul04160330)</td>
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<td>P1-12</td>
<td>Contribution of cowberry transpiration to evapotranspiration in larch forest</td>
<td>M. Miyahara*, C. Takenaka, T. Kuwada, T. Ohta (T1MM30Jul04231136)</td>
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<td>P1-13</td>
<td>Importance of the moss below a larch canopy on water and energy balances in the southern mountain taiga, eastern Siberia</td>
<td>K. Suzuki*, J. Kubota, H. Yabuki, T. Ohata, V. Vuglinsky (T1KS31Jul04011647)</td>
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<td>P1-14</td>
<td>A basic study on a new satellite algorithm for snow</td>
<td>H. Tsutsui*, T. Koike, T. Graf, K. Tamagawa, H. Fujii (T1HT03Aug04152810)</td>
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<td>P1-15</td>
<td>Wind directional dependency of surface energy fluxes over north-eastern Siberia and its implications</td>
<td>Y. Kodama*, N. Sato, H. Yabuki, Y. Ishii, M. Nomura, T. Ohata (T1KY06Aug04092925)</td>
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<td>P1-16</td>
<td>Studies on the turbulence characteristics and flux data quality control at Tak Flux Measurement Station (TFMS), Thailand</td>
<td>W. Kim*, S. Miyazaki, S. Kanae, T. Oki (T1WK06Aug04141451)</td>
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<td>P1-17</td>
<td>Validation of the process for generating soil moisture distribution in the Tibetan Plateau</td>
<td>N. Hirose*, T. Koike (T1DHN08Aug04110934)</td>
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<td>P1-18</td>
<td>Characteristics of roughness parameters in boreal, cool-temperate and warm-temperate forests</td>
<td>T. Nakai*, T. Kuwada, Y. Kodama, T. Ohta, T.C. Maximov (T1TN09Aug04162157)</td>
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<td>P1-19</td>
<td>Flux variation in a Siberian taiga forest near Yakutsk from 1986 to 2000 estimated by a one-dimensional model with routine data</td>
<td>T. Yamazaki*, T. Ohta, R. Suzuki, T. Ohata (T5YT26Jul04121320)</td>
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<td>P1-20</td>
<td>An analysis of daily precipitation over East Asia: Current status and future improvements</td>
<td>P. Xie, A. Yatagai*, M. Chen, T. Hayasaka, Y. Fukushima, C. Liu (T2PX13Jul04031743)</td>
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<td>P1-21</td>
<td>Rainfall distribution pattern investigation with Unit Disaggregation Curve (UDC) technique</td>
<td>S. Tantanee*, S. Patamatumkul, T. Oki (T2MTS27Jul04164416)</td>
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<td>P1-22</td>
<td>Numerical experiments on the late night-early morning maximum of rainfall in the northeastern Bangladesh</td>
<td>A. Kataoka*, T. Satomura (T2AK28Jul04114801)</td>
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<td>P1-23</td>
<td>Observation and numerical experiments of orographic precipitation in the Mae Chaem watershed in Southeast Asia</td>
<td>K. Dairaku*, S. Emori, T. Oki (T2KD28Jul04173818)</td>
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<td>P1-24</td>
<td>Numerical study of the aerosol effect on water cloud optical properties with nonhydrostatic spectral microphysics cloud model</td>
<td>K. Suzuki*, T. Nakajima, T. Iguchi, G. Asanuma, T.Y. Nakajima (T2KS30Jul04123243)</td>
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<td>P1-25</td>
<td>Enhancing precipitation by the special topography</td>
<td>C. Xingwu*, X. Hui, Q. Mingkai, L. Shuxian, X. Sheng (T2PCX30Jul04201804)</td>
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<td>P1-26</td>
<td>Numerical simulation of precipitation phenomena during the monsoon season on the Tibetan Plateau</td>
<td>S. Sugimoto*, W. Sha, K. Ueno (T2SS30Jul04201846)</td>
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<td>P1-27</td>
<td>Cloud microphysical structure as investigated with a non-hydrostatic cloud resolving model</td>
<td>T. Iguchi*, T. Nakajima, A. Khain, K. Saito, T. Takemura, Y. Ishizaka, T.Y. Nakajima (T2TI30Jul04204418)</td>
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<td>P1-28</td>
<td>Seasonal and spatial variation of CAPE and occurrence of meso-scale disturbances in the South Asia</td>
<td>Y. Yamane*, T. Hayashi (T2MY31Jul04152141)</td>
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<td>P1-29</td>
<td>Mesoscale structure and along-front variation of a Meiyu front and associated precipitation observed in the downstream region of the Yangtze river</td>
<td>B. Geng*, H. Yamada, K.K. Reddy, H. Uyeda, Y. Fujiyoshi (T2BG31Jul04173936)</td>
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<td>P1-30</td>
<td>Application of simple wind model for weather modification activity in Indonesia</td>
<td>Endarwin* (T2E31Jul04180527)</td>
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<td>P1-31</td>
<td>Study on nocturnal development of cloud clusters during the Meiyu period in Eastern China</td>
<td>Z. Li*, M. Kawashima, Y. Fujiyoshi (T2MZL03Aug04173255)</td>
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<td>P1-32</td>
<td>Modelling of fine resolution precipitation data using GAME data product and validating against the spatial patterns of HUBEX-IOP-EEWB data</td>
<td>R.K. Shrestha*, Y. Tachikawa, K. Takara (T2RKS03Aug04203625)</td>
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<td>P1-34</td>
<td>Long term trend of heavy precipitation around Japan</td>
<td>N. Yamazaki* (T2NY09Aug04133300)</td>
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<td>P1-37</td>
<td>Study on the precipitation characteristics around the Himalayas using TRMM PR data</td>
<td>B.C. Bhatt*, K. Nakamura (T8BCB28Jul04172219)</td>
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<td>P1-38</td>
<td>Features of cloud types over the Bay of Bengal using split window measurements and TRMM satellite data</td>
<td>T. Inoue*, H. Ueda, T. Inoue (T8TI31Jul04164323)</td>
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<td>P1-39</td>
<td>Cloud statistics over eastern China during GAME-IOP as seen from TRMM TMI</td>
<td>N. Endo* (T8NE08Aug04154549)</td>
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<td>P1-40</td>
<td>Lower-stratospheric and upper-tropospheric disturbances over Thailand during January 2000</td>
<td>S-Y. Ogino*, K. Sato, M.D. Yamanaka, A. Watanabe (T3DSO09Aug04171302)</td>
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<td>P1-41</td>
<td>Multi-year simulations of the East Asian monsoon by using the regional climate model (RegCM-NCC)</td>
<td>Y. Ding*, Q. Li (T4YD09Jul04160412)</td>
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P1-42 Dry intrusion observed at Sumatera Island
F. Murata*, M.D. Yamanaka, H. Hashiguchi, T. Sribimawati, M. Kudsy
(T5FM28Jul044115426)

P1-43 Climate impact on seasonal patterns of diarrheal diseases in Tropical area
A. Teshima, M. Yamada, T. Hayashi*, Y. Wagatsuma, T. Terao (T6AT09Aug0409311)

P1-44 Impact of ISLSCP-II initiative global soil water storage capacity of the rooting zone data on T80
GCM
M. Ravindranath*, G.R. Iyengar (T1DMR26Jul044153016)

P1-45 Intensity of permafrost processes in Central Yakutia in the context of GAME-Siberia study
F. Alexander* (T1FA30Jul04092932)

P1-46 Influence of atmospheric precipitation on long-period temperature dynamics of upper permafrost
(Central Yakutia, area of GAME station)
P.Ya. Konstantinov* (T1KP30Jul04094918)

P1-47 Altitudinal variability of monsoon precipitation over montainous region
P. Singh*, S.B. Prajapati (T3PS30Jul044182008)

P1-48 The interdependence of water and temperature regimes of Taiga-Alas landscapes soils
R.V. Desyatkin*, T.N. Semenova, A.R. Desyatkin (T5RVD30Jul044102256)

P1-49 Spatial distribution of precipitation and heat fluxes over the North Western Pacific during the
winter monsoon season
M. Yamamoto*, K. Nakamura (T8MY30Jul044100909)

P1-50 Spatial and diurnal variation of precipitation systems over Asia
M. Hirose*, K. Nakamura (T8MH06Aug044145039)

P1-51 Regional diurnal variations of precipitation parameters observed with Tropical Rainfall Measuring
Mission (TRMM) Microwave Imager (TMI) and TRMM Precipitation Radar (PR)
F. A. Furuzawa*, K. Nakamura (T8FAF09Aug044163829)

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04 December 2004

Session 4  Monsoon system study

Brief introduction of monsoon study session
J. Matsumoto*
09:15-11:00
Chair: M.D. Yamanaka 09:15-10

O2-01* Rainfall variations of the Asian summer monsoon:
Diurnal and intraseasonal oscillations
T-C.(M.) Chen*, S-Y. Wang, W-R. Huang (T3TMC28Jul044185640)
09:15-09:35

O2-02* On the onset of Asian summer monsoon
Y. Ding* (T3DY05Aug04152551)
09:35-09:55

O2-03 Interdecadal and interannual variations of the South China Sea summer monsoon
J. Chan*, W. Zhou (T3JC31Aug04102157)
09:55-10:10

O2-04 Heating processes over the Asiatic landmass prior to the first transition of the
summer monsoon
H. Ueda* (T3HU30Jul04409211)
10:10-10:25
### O2-05
A change of mean physical quantity in the monsoon and pre-monsoon

### O2-06
Monsoon activity and heavy precipitation over Middle and Southern area of Vietnam (from 1997-2002)
N.T. Tan Thanh* (T3DNTTT30Jul04191525)

### O2-07
Evolution and progression characteristics of Indian summer monsoon
V.S. Prasad*, T. Hayashi (T3Vp27Jul04121402)

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**Break**

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### Session 5  Monsoon system modeling, part I

**Brief introduction of monsoon system modeling sessions**
T. Satomura*

#### O2-08*
ENSO-monsoon relationship in a 1000-yr MRI-CGCM simulation
A. Kitoh* (T4AK23Jul04172155)

#### O2-09
An overview of regional climate modeling for East-Asian monsoon system
Y. Wang* (T4YW30Aug04111394)

#### O2-10
The impact of diabatic heating over the Tibetan plateau upon Northeastern Asia arid region
T. Sato, F. Kimura* (T4TS27Jul04123159)

#### O2-11
The effect of runoff scheme modification on the summer rainfall simulation in East Asia
X. Shi*, Y. Liu, H. Yang, Z. Xie (T4DKTX13Aug04100242)

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**Lunch**

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### Session 6  Water and Energy Balance Study (WEBS)

**Brief introduction of WEBS session**
K. Masuda* (T5KM17Oct04164439)

#### O2-12*
Aerosol optical/radiative forcing properties over East Asia determined from SKYNET radiation measurements
B.J. Sohn*, D-H. Kim, T. Nakajima, T. Takamura (T5BS14Oct04132944)

#### O2-13
Features of river runoff changes in different parts of Lena river basin caused by current climate warming
A. Georgiad* (T5Aug04113441)

#### O2-14
The water balance of the Hongru river basin
H. Chen* (T5MCH30Jul04204021)

#### O2-15
Production of final dataset of GAME-HUBEX regional 4DDA by JSM-SiBUC
### Poster sessions

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<td>15:15-15:55</td>
<td>Even numbers [2,4,..] presentation time</td>
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<td>16:35-18:15</td>
<td><strong>Session 7 Water Resources and Applications (WRAP)</strong></td>
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<td>Chair: T. Oki</td>
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<td>16:35-16:40</td>
<td>Brief introduction of WRAP session</td>
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<td>T. Oki*</td>
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<td>16:40-17:00</td>
<td>O2-16* Regulated and unregulated river reach perception through geoinformatic public domain model particularized upon the Chaophraya tributaries H. Vathananukij* (T7PHV30Jul04165014)</td>
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<td>17:00-17:15</td>
<td>O2-17 Estimation of global hydrologic components in the 20th century Y. Hirabayashi*, S. Kanae, T. Oki, K. Takeuchi (T7YH30Jul04181144)</td>
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<td>17:15-17:30</td>
<td>O2-18 Discharge simulation in the Huaihe River using fine resolution downscaled experimental data derived from GAME data product R.K. Shrestha*, Y. Tachikawa, K. Takara (T7RKS03Aug041634)</td>
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<td>17:30-17:45</td>
<td>O2-19 Estimation of land use and water usage in the Huaihe River Basin from field survey and satellite analysis O. Kozan*, K. Yamada, K. Tanaka, S. Ikebuchi (T8OK09Aug04152209)</td>
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<td>17:45-18:00</td>
<td>O2-20 Developing flood warning system for upland watersheds of the Chao Phraya basin S. Junkhiaw*, W. Sivongs, T. Sukhapunnaphan, N. Tangtham (T7MJ07Aug04172829)</td>
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<td>18:00-18:15</td>
<td>O2-21 Impact of large reservoir development on water resource regime S. Budhakooncharoen* (T5AB16Jul04190602)</td>
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<td>Heat and water exchange of the snowpack and permafrost during the snowmelt season in a larch forest in eastern Siberia T. Hashimoto*, T. Ohta, T. Toba, T.C. Maximov (T1TH31Jul04160215)</td>
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<td>P2-02</td>
<td>Interannual variability of the atmosphere/snow interaction over the Eurasian continent during the spring season and its relation to the monsoon period M.E. Hori* (T1MEH08Aug04164206)</td>
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<td>P2-03</td>
<td>Surface heat balance using flux measurement array during Catch A Plume by SATs (CAPS) IOP S. Ishida*, K. Tanaka, A. Higuchi, I. Tamagawa, D. Matsushima, CAPS2002-2003 observation group (T1SI09Aug04111047)</td>
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<td>P2-04</td>
<td>The observation of pre-monsoon meso-scale cloud systems developed over Bangladesh T. Terao*, Md.N. Islam, F. Murata, T. Hayashi (T2TT09Aug04140049)</td>
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<td>P2-05</td>
<td>The characteristics and the causes of extreme rainfall events in August over Korea E.-J. Cha*, M. Kimoto, E.-J. Lee, J-G. Jhun (T3EC25Jul04144601)</td>
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<td>P2-06</td>
<td>“Convection jump” as a subtropical convergence zone N. Sato*, M. Takahashi (T3NSD30Jul04090722)</td>
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<td>P2-07</td>
<td>Contrasting feature of the seasonal heating between the Indochina Peninsula and the Bay of Bengal N. Ishizaki*, H. Ueda (T3NI30Jul04120814)</td>
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P2-08  Seasonal variation of precipitation properties associated with monsoon over Palau
(T3HK30Jul04142213)

P2-09  Mechanisms of westward and northward movement of sub-monthly scale disturbances over Asian
monsoon regions
S. Yokoi*, T. Satomura (T3MYS30Jul0414170343)

P2-10  Climatic water vapor transport around East Asia during June and September
T. Yoshikane*, F. Kimura (T3TY31Jul04142218)

P2-11  Isotopic composition of rainfall in Thailand depends on the convective system
K. Ichiyanagi*, K. Yoshimura, M.D. Yamanaka (T3KI02Aug04105516)

P2-12  A triggering process of Indian Ocean basin-wide warming in relation to ENSO forcing
M. Ohba*, H. Heda (T3MO02Aug04162819)

P2-13  Dynamics of multiple horizontal convections over the Maritime Continent
M.D. Yamanaka* (T3MDY09Aug04015628)

P2-14  Diurnal variation of precipitable water vapor observed with GPS in Thailand

P2-15  Six years intensive rainfall observation in Mae Chaem Watershed, Northern Thailand
K. Kuraji*, P. Kowit, S. Issara (T3KK09Aug04160237)

P2-16  Intraseasonal and diurnal variations in the Indian sector
K. Takahashi* (T3KT09Aug04163249)

P2-17  Thermodynamical interpretations of generation and decay of stable layers over the Indochina
Peninsula in the dry season
M.I. Nodzu*, S-Y. Ogino, Y. Tachibana, M.D. Yamanaka (T3MIN09Aug04154408)

P2-18  Predictability of Baiu precipitation in the Western North Pacific
T. Tomita*, T. Yoshikane, T. Yasunari (T3TT09Aug04164048)

P2-19  Temperature inversions over the pre-monsoon Indochina Peninsula and their role in the seasonal
transition
S-Y. Ogino*, Y. Tachibana, E. Azuma, Y. Kamiakito (T3DSO09Aug04171948)

P2-20  Interannual variations of cloud system migration with diurnal cycle over Sumatera Island
N. Sakurai*, F. Murata, M.D. Yamanaka, S. Mori, J-I. Hamada, H. Hashiguchi, Y.I. Tauhid,
T. Sribimawati, B. Suhardi (T3MSN09Aug04200452)

P2-21  Onset date for rice cultivation over Yom Basin in Thailand
S. Prakarnrat* (T3MSP11Aug04185538)

P2-22  The role of orography and soil moisture in hydrological transitions associated with monsoon
onset in Southeast Asia
K. Dairaku* (T4KD23Jul04204056)

P2-23  Predictability of the Madden and Julian Oscillation in JMA one-month forecasts
T. Kubota*, H. Mukougawa, T. Iwashima (T4TK29Jul04170122)

P2-24  Tibetan Plateau's snow accumulation estimated from regional climate model simulation
I. Takayabu*, H. Sasaki, K. Murazaki, K. Kurihara, T. Hirota (T4DIT02Aug04102152)

P2-25  The generation mechanism of the Western Disturbances over the Himalayas
M. Hara*, F. Kimura, T. Yasunari (T4HM09Aug04145134)

P2-26  Climatic impact of vegetation change in the Asian Tropical region
K. Mabuchi*, Y. Sato, H. Kida (T4KM31Aug04122656)
P2-27 Characteristics, evolution and mechanisms of the Asian summer monsoon onset over the Southeast Asia
Z. Zhang*, J.C.L. Chan, Y. Ding

P2-28 Observational study of hydrological land-surface processes on semi-arid grassland underlain by warm permafrost in Mongolia
Y. Zhang*, M. Ishikawa, T. Kadota, E. Munkhtsetseg, D. Oyunbaatar, T. Ohata
(T5YZ21Jul04132922)

P2-29 Heat and water balance estimates over the Tibetan Plateau in 1997-1998
J. Xu*, S. Haginoya, K. Masuda, R. Suzuki (T5DJX26Jul04120809)

P2-30 Validation study of MATSIRO land surface model using the observed data in tropical monsoon climate of Thailand
S. Miyazaki*, W. Kim, Y. Hirabayashi, S. Kanae, T. Oki (T5DSM29Jul04194514)

P2-31 The comparison between longwave radiation data at Sri Samrong and model
B. Thana*, A. Chabangborn, M. Hashizume, S. Nakapadungrat (T5BT31Jul0400083)

P2-32 Runoffs and phreatic surfaces behaviours over large floodplain and lowland paddy field
S. Chuenchooklin*, T. Ichikawa, S. Patamatamkul (T5SC31Jul04125812)

P2-33 The isotopic composition of water vapor and the concurrent meteorological conditions around the northeast part of the Tibetan Plateau
A. Yatagai*, A. Sugimoto, M. Nakawo (T5AY01Aug04103142)

P2-34 Evapotranspiration estimation of paddy rices in Thailand utilizing limited meteorological data
P. Polsan*, M. Aoki, S. Patamatamkul (T5PP02Aug04131428)

P2-35 Effect of land surface processes on precipitation isotopes
K. Yoshimura* (T5KY06Aug04134056)

P2-36 Seasonal change of evapotranspiration and crop coefficient in a rain fed paddy field, cassava plantation and teak plantation in Thailand
P. Attarod*, D. Komori, K. Hayashi, M. Aoki, T. Ishida, K. Fukumura, S. Boonyawat, P. Polsan, P. Tongdeenok, P. Somboon, S. Punkngum (T5PA06Aug04163854)

P2-37 Summary of the result obtained by GAME-Siberia and future research issues
T. Ohata*, Y. Fukushima, T. Ohta (T5TO09Aug04151750)

P2-38 Synoptic- and meso-alpha scale processes around the Meiyu front in China at the sharp boundary of very wet and dry regions
K. Kato*, S. Ikeda (T5KK09Aug04155702)

P2-39 Study on precipitable water vapor change (obtained from GPS) and humidity
S. Kingpaiboon*, M. Satomura, M. Horikawa (T5SK29Aug04140944)

P2-40 A comparative study on reanalysis data between GAME and NCEP/NCAR during the period of HUBEX in 1998
W. Li*, R. Han, G. Hu, J. He (T5WL30Aug04162636)

P2-41 Observational studies at the Khuwae Noi river basin in Thailand and regional water balance analyses by using the distributed tank model
W. Huang*, K. Nakane, P. Polsan, T. Sukhapanapun (T7WH29Jul04181922)

P2-42 Water resources of Taiga-Alas landscapes in Central Yakutia and problems of water supply for the population
R.V. Desyatkin* (T7RVD30Jul04101621)
P2-43 The heavy drought of 2002 and the large flood of 2003 in Nasihu Lake Basin (NLB)  
K. Xiangguang*, Q. Mingkai (T7PKX30Jul04200358)

P2-44 Research on unsaturated flow model in the Plain of the Huaihe River Basin  
D. Feng*, P. Shunfeng (T7MDF30Jul04202729)

P2-45 The linear programming model of water resource utilization in the irrigated area of Huaibei  
Z. Wang* (T7MWZ30Jul04203305)

P2-46 Roles of the SST and land-sea heat contrast in the summer monsoon over the South Asia  
R.K. Lestari*, T. Iwasaki (T3RKL30Jul04115954)

P2-47 Simulation of Southeast Asia rainfall using RegCM3 and problems  
K.T. Xin*, L. D.C, T.M. Ha (T4DKTX13Aug04100242)

P2-48 Pre-monsoon rains and onset of monsoon over the Indochina Peninsula  
J. Matsumoto*, M. Kiguchi (T3JM28Jul04114722)

P2-49 Dynamics of climatological monsoon break over the Indochina Peninsula in northern summer  
H. Takahashi*, T. Yasunari (T3HTaPTY09Aug04164643)

P2-50 Structure of moist layer and sources of water over the southern region far from the Meiyu/Baiu front  
T. Shinoda*, H. Uyeda, K. Yoshimura (T3TS28Jul04130037)

P2-51 Impact of soil moisture on interannual variability of boreal summer precipitation  
S. Kanae*, Y. Hirabayashi, T. Yamada, T. Oki (T1SK30Jul04112252)

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Session 8  monsoon modeling, part II

O3-01 Onset of the East Asia summer monsoon in 1991 simulated by an AGCM  
K. Ninomiya*, S. Emori, A. Hasegawa, T. Nishimura, S. Matsumura  
(T4KN27Jul04172422)

O3-02 Impacts of surface cover changes in northern China on East Asian climate  
B. Wang*, O. Sen, Y. Wang (T6BW27Oct04150751)

O3-03 Asian monsoon simulation using the high resolution (K-1) climate model  
A. Sumi* (T4AS29Jul04153339)

Break

Break

[Note: Below part is not yet fixed, thus tentative]

Session 9  Future studies, part I

O3-04 Summary report of 9th GAME International Science Panel (GISP) Meeting in 1-2  
December 2004, Kyoto, Japan  
K. Nakamura*

O3-05 T.B.D. (Report of current status in WCRP)  
H. Grassl*
The 6th International Study Conference on GEWEX in Asia and GAME
3-5 December, 2004 Kyoto International Community House, Kyoto, Japan
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O3-06  T.B.D. (Report of current status in GEWEX)  
       R.G. Lawford*

10:45-11:00

O3-07  T.B.D. (Report of current status of START/MAIRS)  
       Fu Conbin*

11:00-11:15

O3-08  T.B.D. (GAME)  
       T. Yasunari*

11:15-11:30

Lunch  

11:30-13:00

Session 10  Future studies, part II  
Chair: T. Ohta

O3-09  T.B.D. (Report of current status of Clic)  
       T. Ohata (no abstract ID, related to T5TO09Aug04151750)

13:00-13:15

O3-10  T.B.D. (China, east part)  
       T.B.D. (no abstract ID)

13:15-13:30

O3-11  Environmental and land surface processes study on the Tibetan Plateau  
       – A ten year plan –  
       T. Yao*, G. Tan, S. Kang, Y. Ma, T. Luo (T6YT15Oct04174246)

13:30-13:45

Break  

13:45-14:00

Session 11  Future studies, part III  
Chair: J. Matsumoto

O3-12  T.B.D. (with drawal; due to flight cancel)  
       S.K. Srivastav* (Director general of Meteorol., IMD)

14:00-14:15

O3-13  Hydroinformatics for further comprehensive study on environment in South-East Asia  
       T. Oki, S. Kanae* (T6TO09Aug04143840)

14:15-14:30

O3-14  Future observations over the Indonesian Maritime Continent  
       (T6MDY09Aug04021851)

14:30-14:45

Break  

14:45-15:00

General Discussion  
Char: T. Yasunari

15:00-16:00

Closing remarks  
by Y. Ding

16:00-16:20
The 6th International Study Conference on GEWEX in Asia and GAME
3-5 December, 2004 Kyoto International Community House, Kyoto, Japan

Program

[Supported Organizations]
* MEXT (Ministry of Education, Culture, Sports, Science and Technology)
* WCRP (World Climate Research Programme)
* JAXA (Japan Aerospace Exploration Agency)
* HyARC (Hydrospheric Atmospheric Research Center, Nagoya University)

[JST/CREST (Japan Science and Technology Agency, Core Research for Evolutional Science and Technology)]
* LAPS (The Lower Atmosphere and Precipitation Study) [PI (Principal Investigator): Kenji Nakamura]
* RAISE (The Rangelands Atmosphere-Hydrosphere-Biosphere Interaction Study Experiment in Northeastern Asia) [PI: Michiaki Sugita]
* Development of a Physical Down Scaling Method for Water Cycle [PI: Toshio Koike]
* Modeling Global Hydrological Cycles and World Water Resources Coupled with Human Activities [PI: Taikan Oki]

[MEXT/21st COE (A 21st Century Center of Excellence Program)]
* KAGI21 (Kyoto University Active Geosphere Investigations for the 21st Century COE Program) [Leader: Shigeo Yoden]
* SELIS (Dynamics of the Sun-Earth-Life Interactive System)/Nagoya University [Leader: Tetsuzo Yasunari]

[JSPS (Japan Society for the Promotion Science)/MEXT Grants-in-Aid for Scientific Researches]
* JSPS/Grant-in-Aid for Scientific Research (A) 14204044 ‘Changes on Land Surface, Climate/Water Cycle in Monsoon Asia – An Integrated International Cooperative Research Project –’ [Tetsuzo Yasunari]
* JSPS/Grant-in-Aid for Scientific Research (C) 16634009 ‘Research Promotion in Asia and Planning on International Cooperative Research Project under the Phase-II of WCRP/GEWEX Program’ [Tetsuzo Yasunari]
* JSPS/Grant-in-Aid for Scientific Research (C) 16634010 ‘Research for international joint study on monsoon precipitation variability in Nepal Himalayas’ [Takehiko Satomura]

[Research Funds (Other Categories)]
* MEXT/Special Coordination Funds for Promoting Science and Technology/Leadership for international scientific cooperation, Leadership on the Hydrological Science for Mitigating, World Water Issues [Leader: Taikan Oki]
* RIHN (Research Institute for Humanity and Nature) project 5-1 ‘Global Water Cycle Variation and the Current World Water Resources Issues and Their Perspectives’ [Leader: Shinjiro Kanae]
* MEXT/Research Revolution 2002 (RR2002) Project for Sustainable Coexistence of Human, Nature, and the Earth (Category 2 of an integrated earth system model for prediction of global environmental changes) [CCSR (Center for Climate System Research, the University of Tokyo)]