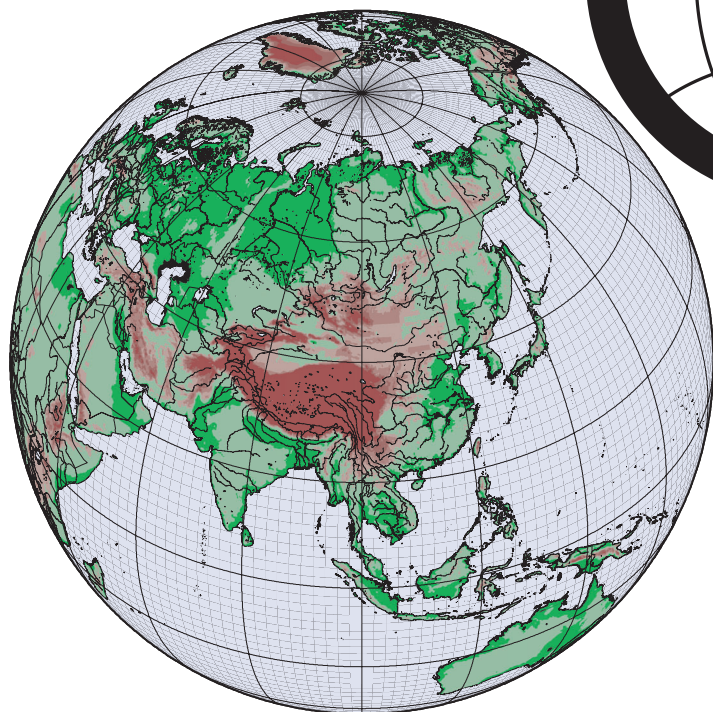




**Program for  
The 6th International Study Conference on GEWEX  
in Asia and GAME  
3-5 December, 2004  
Kyoto International Community House, Kyoto, Japan**



**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]**

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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]**

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

**[Monsoon system studies]**

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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]**

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

**[WEBS]**

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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]**

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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

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**Break** 11:00-11:15

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**Session 1 Land surface/ABL/AAN, part I** 11:15-12:25

Chair: M. Sugita

**Brief introduction of land surface/ABL/AAN sessions** 11:15-11:20

**M. Sugita**

**O1-01\*** New models of the unstable atmospheric surface layer 11:20-11:40

**K. McNaughton\* (T1DKGM16Sep04005103)**

**O1-02** Summary of GAME-Siberia related to the land surface processes in the 1-D scale and the follow on 11:40-11:55

**T. Ohta\*, T. Ohata, Y. Fukushima (T1TO30Sep04182628)**

**O1-03** Spectral structure of turbulent fluxes in the atmospheric boundary layer over a thermally non-homogeneous land surface 11:55-12:10

– with a small summary of GAME related ABL studies –  
**T. Hiyama\*, M.A. Strunin, M. Sugita, J. Kim (T1TH07Jul04133931)**

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

**J. Kim\***

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**Lunch** 12:25-13:55

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**Session 2 Land surface/ABL/AAN, part II** 13:55-15:00

Chair: B.J. Sohn

**O1-05\*** Land surface processes and monsoon 13:55-14:15

**Y. Xue\*, W.-P. Li, F. de Sales, C.R. Mechoso, H.-M.H. Juang, C. Nobre (T1YX30Jul04034458)**

**O1-06** A climatological divide between wetness dominant and warmth dominant regimes of the vegetation in Siberia 14:15-14:30

**R. Suzuki\*, J. Xu, K. Motoya (T8DRS28Jul04180637)**

**O1-07** Introduction to the CEOP data integration system 14:30-14:45

**K. Tamagawa\*, T. Nemoto, T. Koike, M. Kitsuregawa (T8KT09Aug0414237)**

**O1-08** On the space-time patterns of precipitation in the Himalayan range: a synthesis 14:45-15:00

**A.P. Barros\* (T8APB19Oct04100318)**

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**Poster sessions** 15:00-16:20

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Odd numbers [1,3,..] presentation time 15:00-15:40

Even numbers [2,4,..] presentation time 15:40-16:20



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**Session 3 Precipitation processes**

16:20-18:05

Chair: B. Geng

**Brief introduction of precipitation processes session**

16:20-16:25

**H. Uyeda\***

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

16:25-16:45

**R.H. Johnson\*** (T2RHJ03Jul04015909)

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

16:45-17:05

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

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

17:05-17:20

**H. Yamada\***, **H. Uyeda** (T2DYH29Jul04104738)

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

17:20-17:35

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

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

17:35-17:50

**K. Nakamura\***, **Y. Fujiyoshi** (T2DKN27Jul04144017)

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

17:50-18:05

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

**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. Kaihotsu**, **G. Davaa**, **D. Oyunbaatar**, **L. Natsagdorj**, **T. Oki** (T1DSM28Jul04180122)

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

**H. Tanaka\***, **T. Hiyama**, **A. Higuchi**, **T. Shinoda**, **H. Fujinami**, **K. Nakamura** (T1HT29Jul04155640)

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

**K. Tanaka\***, **H. Takizawa**, **T. Kume**, **J. Xu**, **C. Tantasirin**, **M. Suzuki** (T1TK30Jul04111945)

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

**H. Yabuki\***, **Y. Ishii**, **T. Ohata** (T1HY30Jul04115511)



- P1-09** Introducing lateral subsurface flow in permafrost conditions in a distributed land surface scheme  
**P. Koudelova\*, T. Koike (T1KP30Jul04120253)**
- P1-10** A bulk similarity approach in the atmospheric boundary layer to determine regional sensible heat fluxes  
**H. Kato\*, M. Toda, M. Sugita (T1HK30Jul04155050)**
- P1-11** Estimation of downward longwave radiation for clear sky conditions during the cold season in eastern Siberia  
**Y. Iijima\*, H. Yabuki, T. Ohata (T1YI30Jul04160330)**
- P1-12** Contribution of cowberry transpiration to evapotranspiration in larch forest  
**M. Miyahara\*, C. Takenaka, T. Kuwada, T. Ohta (T1MM30Jul04231136)**
- P1-13** Importance of the moss below a larch canopy on water and energy balances in the southern mountain taiga, eastern Siberia  
**K. Suzuki\*, J. Kubota, H. Yabuki, T. Ohata, V. Vuglinsky (T1KS31Jul04011647)**
- P1-14** A basic study on a new satellite algorithm for snow  
**H. Tsutsui\*, T. Koike, T. Graf, K. Tamagawa, H. Fujii (T1HT03Aug04152810)**
- P1-15** Wind directional dependency of surface energy fluxes over north-eastern Siberia and its implications  
**Y. Kodama\*, N. Sato, H. Yabuki, Y. Ishii, M. Nomura, T. Ohata (T1KY06Aug04092925)**
- P1-16** Studies on the turbulence characteristics and flux data quality control at Tak Flux Measurement Station (TFMS), Thailand  
**W. Kim\*, S. Miyazaki, S. Kanae, T. Oki (T1WK06Aug04141451)**
- P1-17** Validation of the process for generating soil moisture distribution in the Tibetan Plateau  
**N. Hirose\*, T. Koike (T1DHN08Aug04110934)**
- P1-18** Characteristics of roughness parameters in boreal, cool-temperate and warm-temperate forests  
**T. Nakai\*, T. Kuwada, Y. Kodama, T. Ohta, T.C. Maximov (T1TN09Aug04162157)**
- P1-19** Flux variation in a Siberian taiga forest near Yakutsk from 1986 to 2000 estimated by a one-dimensional model with routine data  
**T. Yamazaki\*, T. Ohta, R. Suzuki, T. Ohata (T5YT26Jul04121320)**
- P1-20** An analysis of daily precipitation over East Asia: Current status and future improvements  
**P. Xie, A. Yatagai\*, M. Chen, T. Hayasaka, Y. Fukushima, C. Liu (T2PX13Jul04031743)**
- P1-21** Rainfall distribution pattern investigation with Unit Disaggregation Curve (UDC) technique  
**S. Tantaneer\*, S. Patamatunkul, T. Oki (T2MTS27Jul04164416)**
- P1-22** Numerical experiments on the late night-early morning maximum of rainfall in the northeastern Bangladesh  
**A. Kataoka\*, T. Satomura (T2AK28Jul04114801)**
- P1-23** Observation and numerical experiments of orographic precipitation in the Mae Chaem watershed in Southeast Asia  
**K. Dairaku\*, S. Emori, T. Oki (T2KD28Jul04173818)**
- P1-24** Numerical study of the aerosol effect on water cloud optical properties with nonhydrostatic spectral microphysics cloud model  
**K. Suzuki\*, T. Nakajima, T. Iguchi, G. Asanuma, T.Y. Nakajima (T2KS30Jul04123243)**
- P1-25** Enhancing precipitation by the special topography  
**C. Xingwu\*, X. Hui, Q. Mingkai, L. Shuxian, X. Sheng (T2PCX30Jul04201804)**



- P1-26** Numerical simulation of precipitation phenomena during the monsoon season on the Tibetan Plateau  
**S. Sugimoto\***, **W. Sha**, **K. Ueno** (T2SS30Jul04201846)
- P1-27** Cloud microphysical structure as investigated with a non-hydrostatic cloud resolving model  
**T. Iguchi\***, **T. Nakajima**, **A. Khain**, **K. Saito**, **T. Takemura**, **Y. Ishizaka**, **T.Y. Nakajima** (T2TI30Jul04204418)
- P1-28** Seasonal and spatial variation of CAPE and occurrence of meso-scale disturbances in the South Asia  
**Y. Yamane\***, **T. Hayashi** (T2MY31Jul04152141)
- P1-29** Mesoscale structure and along-front variation of a Meiyu front and associated precipitation observed in the downstream region of the Yangtze river  
**B. Geng\***, **H. Yamada**, **K.K. Reddy**, **H. Uyeda**, **Y. Fujiyoshi** (T2BG31Jul04173936)
- P1-30** Application of simple wind model for weather modification activity in Indonesia  
**Endarwin\*** (T2E31Jul04180527)
- P1-31** Study on nocturnal development of cloud clusters during the Meiyu period in Eastern China  
**Z. Li\***, **M. Kawashima**, **Y. Fujiyoshi** (T2MZL03Aug04173255)
- P1-32** Modelling of fine resolution precipitation data using GAME data product and validating against the spatial patterns of HUBEX-IOP-EEWB data  
**R.K. Shrestha\***, **Y. Tachikawa**, **K. Takara** (T2RKS03Aug04203625)
- P1-33** Monsoon precipitation characteristics over Asia and Western Tropical Pacific Ocean  
**K.K. Reddy\***, **B. Geng**, **H. Yamada**, **H. Uyeda**, **R. Shirooka**, **T. Ushiyama**, **S. Iwasaki**, **H. Kubota**, **T. Chuda**, **K. Takeuchi**, **T. Kozu**, **Y. Ohno**, **K. Nakamura**, **D.N. Rao** (T2KKR08Aug04110033)
- P1-34** Long term trend of heavy precipitation around Japan  
**N. Yamazaki\*** (T2NY09Aug04133300)
- P1-35** Maintenance mechanism of convective cells within mesoscale convective system in humid subtropical region  
**S. Shimizu\***, **H. Uyeda**, **T. Shinoda**, **K. Tsuboki**, **H. Yamada**, **B.Geng**, **T. Kato** (T2MSS09Aug04160704)
- P1-36** Cloud formation and fractionation of stable isotope of water within Artificial Cloud Experimental System (ACES)  
**Y. Fujiyoshi\***, **S. Nakajima**, **S. Yamagata**, **T. Harimaya**, **T. Yamada**, **I. Matsui**, **N. Sugimoto**, **A. Shimizu** (T2YF09Aug04194210)
- P1-37** Study on the precipitation characteristics around the Himalayas using TRMM PR data  
**B.C. Bhatt\***, **K. Nakamura** (T8BCB28Jul04172219)
- P1-38** Features of cloud types over the Bay of Bengal using split window measurements and TRMM satellite data  
**T. Inoue\***, **H. Ueda**, **T. Inoue** (T8TI31Jul04164323)
- P1-39** Cloud statistics over eastern China during GAME-IOP as seen from TRMM TMI  
**N. Endo\*** (T8NE08Aug04154549)
- P1-40** Lower-stratospheric and upper-tropospheric disturbances over Thailand during January 2000  
**S-Y. Ogino\***, **K. Sato**, **M.D. Yamanaka**, **A. Watanabe** (T3DSO09Aug04171302)
- P1-41** Multi-year simulations of the East Asian monsoon by using the regional climate model (RegCM-NCC)  
**Y. Ding\***, **Q. Li** (T4YD09Jul04160412)



- P1-42** Dry intrusion observed at Sumatera Island  
**F. Murata\***, M.D. Yamanaka, H. Hashiguchi, T. Sribimawati, M. Kudsy  
 (T5FM28Jul04115426)
- 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 (T1DMR26Jul04153016)
- 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 mountainous region  
**P. Singh\***, S.B. Prajapati (T3PS30Jul04182008)
- P1-48** The interdependence of water and temperature regimes of Taiga-Alas landscapes soils  
**R.V. Desyatkin\***, T.N. Semenova, A.R. Desyatkin (T5RVD30Jul04102256)
- P1-49** Spatial distribution of precipitation and heat fluxes over the North Western Pacific during the  
 winter monsoon season  
**M. Yamamoto\***, K. Nakamura (T8MY30Jul04100909)
- P1-50** Spatial and diurnal variation of precipitation systems over Asia  
**M. Hirose\***, K. Nakamura (T8MH06Aug04145039)
- 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 (T8FAF09Aug04163829)



## *04 December 2004*

### *Session 4 Monsoon system study*

09:15-11:00

Chair: M.D. Yamanaka

*Brief introduction of monsoon study session*

09:15-10

**J. Matsumoto\***

**O2-01\*** Rainfall variations of the Asian summer monsoon:

09:15-09:35

Diurnal and intraseasonal oscillations

**T-C.(M.) Chen\***, S-Y. Wang, W-R. Huang (T3TMC28Jul04185640)

**O2-02\*** On the onset of Asian summer monsoon

09:35-09:55

**Y. Ding\*** (T3DY05Aug04152551)

**O2-03** Interdecadal and interannual variations of the South China Sea summer monsoon

09:55-10:10

**J. Chan\***, W. Zhou (T3JC31Aug04102157)

**O2-04** Heating processes over the Asiatic landmass prior to the first transition of the  
 summer monsoon

10:10-10:25

**H. Ueda\*** (T3HU30Jul0409211)





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<b>O2-05</b>	A change of mean physical quantity in the monsoon and pre-monsoon <b>A. Watanabe*</b> , <b>Y. Tachibana</b> , <b>S. Ogino</b> , <b>Y. Shibagaki</b> , <b>T. Ohsawa</b> , <b>Y.D. Yanamaka</b> , <b>T. Satomura</b> , <b>A. Sumi</b> , <b>K. Mushiake (T3AW09Aug04164213)</b>	10:25-10:40
<b>O2-06</b>	Monsoon activity and heavy precipitation over Middle and Southern area of Vietnam (from 1997-2002) <b>N.T. Tan Thanh* (T3DNNTT30Jul04191525)</b>	10:40-10:55
<b>O2-07</b>	Evolution and progression characteristics of Indian summer monsoon <b>V.S. Prasad*</b> , <b>T. Hayashi (T3Vp27Jul04121402)</b>	10:55-11:10

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*Break*

11:10-11:25

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*Session 5 Monsoon system modeling, part I*

11:25-12:30

*Brief introduction of monsoon system modeling sessions*

11:25-11:30

**T. Satomura\***

<b>O2-08*</b>	ENSO-monsoon relationship in a 1000-yr MRI-CGCM simulation <b>A. Kitoh* (T4AK23Jul04172155)</b>	11:30-11:50
<b>O2-09</b>	An overview of regional climate modeling for East-Asian monsoon system <b>Y. Wang* (T4YW30Aug0411394)</b>	11:50-12:05
<b>O2-10</b>	The impact of diabatic heating over the Tibetan plateau upon Northeastern Asia arid region <b>T. Sato</b> , <b>F. Kimura* (T4TS27Jul04123159)</b>	12:05-12:20
<b>O2-11</b>	The effect of runoff scheme modification on the summer rainfall simulation in East Asia <b>X. Shi*</b> , <b>Y. Liu</b> , <b>H. Yang</b> , <b>Z. Xie (T4DKTX13Aug04100242)</b>	12:20-12:35

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*Lunch*

12:35-14:05

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

14:05-15:15

Chair: **K. Masuda**

*Brief introduction of WEBS session*

14:05-14:10

**K. Masuda\* (T5KM17Oct04164439)**

<b>O2-12*</b>	Aerosol optical/radiative forcing properties over East Asia determined from SKYNET radiation measurements <b>B.J. Sohn*</b> , <b>D-H. Kim</b> , <b>T. Nakajima</b> , <b>T. Takamura (T5BS14Oct04132944)</b>	14:10-14:30
<b>O2-13</b>	Features of river runoff changes in different parts of Lena river basin caused by current climate warming <b>A. Georgiadi* (T5Aug04113441)</b>	14:30-14:45
<b>O2-14</b>	The water balance of the Hongru river basin <b>H. Chen* (T5MCH30Jul04204021)</b>	14:45-15:00
<b>O2-15</b>	Production of final dataset of GAME-HUBEX regional 4DDA by JSM-SiBUC <b>K. Tanaka*</b> , <b>K. Souma</b> , <b>K. Tsuboki</b> , <b>S. Ikebuchi (T5KT09Aug04172117)</b>	15:00-15:15






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<i>Poster sessions</i>	15:15-16:35
Odd numbers [1,3,..] presentation time	15:15-15:55
Even numbers [2,4,..] presentation time	15:55-16:35

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***Session 7 Water Resources and Applications (WRAP)*** 16:35-18:15

Chair: T. Oki

<b><i>Brief introduction of WRAP session</i></b>	16:35-16:40
<b>T. Oki*</b>	
<b>O2-16*</b> Regulated and unregulated river reach perception through geoinformatic public domain model particularized upon the Chaophraya tributaries <b>H. Vathananukij* (T7PHV30Jul04165014)</b>	16:40-17:00
<b>O2-17</b> Estimation of global hydrologic components in the 20th century <b>Y. Hirabayashi*, S. Kanae, T. Oki, K. Takeuchi (T7YH30Jul04181144)</b>	17:00-17:15
<b>O2-18</b> Discharge simulation in the Huaihe River using fine resolution downscaled experimental data derived from GAME data product <b>R.K. Shrestha*, Y. Tachikawa, K. Takara (T7RKS03Aug041634)</b>	17:15-17:30
<b>O2-19</b> Estimation of land use and water usage in the Huaihe River Basin from field survey and satellite analysis <b>O. Kozan*, K. Yamada, K. Tanaka, S. Ikebuchi (T8OK09Aug04152209)</b>	17:30-17:45
<b>O2-20</b> Developing flood warning system for upland watersheds of the Chao Phraya basin <b>S. Junkhiaw*, W. Sivongs, T. Sukhaphunnaphan, N. Tangtham (T7MJ07Aug04172829)</b>	17:45-18:00
<b>O2-21</b> Impact of large reservoir development on water resource regime <b>S. Budhakooncharoen* (T5AB16Jul04190602)</b>	18:00-18:15

***Poster session for 4 December 2004***

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<b>P2-01</b> Heat and water exchange of the snowpack and permafrost during the snowmelt season in a larch forest in eastern Siberia <b>T. Hashimoto*, T. Ohta, T. Toba, T.C. Maximov (T1TH31Jul04160215)</b>	
<b>P2-02</b> Interannual variability of the atmosphere/snow interaction over the Eurasian continent during the spring season and its relation to the monsoon period <b>M.E. Hori* (T1MEH08Aug04164206)</b>	
<b>P2-03</b> Surface heat balance using flux measurement array during Catch A Plume by SATs (CAPS) IOP <b>S. Ishida*, K. Tanaka, A. Higuchi, I. Tamagawa, D. Matsushima, CAPS2002-2003 observation group (T1SI09Aug04111047)</b>	
<b>P2-04</b> The observation of pre-monsoon meso-scale clouds systems developed over Bangladesh <b>T. Terao*, Md.N. Islam, F. Murata, T. Hayashi (T2TT09Aug04140049)</b>	
<b>P2-05</b> The characteristics and the causes of extreme rainfall events in August over Korea <b>E-J. Cha*, M. Kimoto, E-J. Lee, J-G. Jhun (T3EC25Jul04144601)</b>	
<b>P2-06</b> "Convection jump" as a subtropical convergence zone <b>N. Sato*, M. Takahashi (T3NSD30Jul04090722)</b>	
<b>P2-07</b> Contrasting feature of the seasonal heating between the Indochina Peninsula and the Bay of Bengal <b>N. Ishizaki*, H. Ueda (T3NI30Jul04120814)</b>	



- P2-08** Seasonal variation of precipitation properties associated with monsoon over Palau  
**H. Kubota\***, **R. Shirooka**, **T. Ushiyama**, **T. Chuda**, **S. Iwasaki**, **K. Takeuchi**  
(T3HK30Jul04142213)
- P2-09** Mechanisms of westward and northward movement of sub-monthly scale disturbances over Asian monsoon regions  
**S. Yokoi\***, **T. Satomura** (T3MYS30Jul04170343)
- 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. Ichiyonagi\***, **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  
**M. Fujita\***, **F. Kimura**, **M. Satomura**, **T. Kato** (T3MF09Aug04151003)
- 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. Sukhapunphan** (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. Due**, **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)



## 05 December 2004

### Session 8 monsoon modeling, part II

- |  |                |
|--|----------------|
|  | 09:15-10:00    |
|  | Chair: J. Chan |
| <b>O3-01</b> Onset of the East Asia summer monsoon in 1991 simulated by an AGCM<br><b>K. Ninomiya*</b> , <b>S. Emori</b> , <b>A. Hasegawa</b> , <b>T. Nishimura</b> , <b>S. Matsumura</b><br>(T4KN27Jul04172422) | 09:15-09:30    |
| <b>O3-02</b> Impacts of surface cover changes in northern China on East Asian climate<br><b>B. Wang*</b> , <b>O. Sen</b> , <b>Y. Wang</b> (T6BW27Oct04150751)  | 09:30-09:45    |
| <b>O3-03</b> Asian monsoon simulation using the high resolution (K-1) climate model<br><b>A. Sumi*</b> (T4AS29Jul04153339)   | 09:45-10:00    |

### Break

10:00-10:15

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

### Session 9 Future studies, part I

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|--|-------------------|
|  | 10:15-11:30       |
|  | Char: K. Nakamura |
| <b>O3-04</b> Summary report of 9th GAME International Science Panel (GISP) Meeting in 1-2 December 2004, Kyoto, Japan<br><b>K. Nakamura*</b> | 10:15-10:30       |
| <b>O3-05</b> T.B.D. (Report of current status in WCRP)<br><b>H. Grassl*</b>  | 10:30-10:45       |




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<b>O3-06</b>	T.B.D. (Report of current status in GEWEX) <b>R.G. Lawford*</b>	10:45-11:00
<b>O3-07</b>	T.B.D. (Report of current status of START/MAIRS) <b>Fu Conbin*</b>	11:00-11:15
<b>O3-08</b>	T.B.D. (GAME) <b>T. Yasunari*</b>	11:15-11:30

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*Lunch* 11:30-13:00

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*Session 10 Future studies, part II* 13:00-13:45

Chair: T. Ohta

<b>O3-09</b>	T.B.D. (Report of current status of Clic) <b>T. Ohata (no abstract ID, related to T5TO09Aug04151750)</b>	13:00-13:15
<b>O3-10</b>	T.B.D. (China, east part) <b>T.B.D. (no abstract ID)</b>	13:15-13:30
<b>O3-11</b>	Environmental and land surface processes study on the Tibetan Plateau – A ten year plan – <b>T. Yao*, G. Tan, S. Kang, Y. Ma, T. Luo (T6YT15Oct04174246)</b>	13:30-13:45

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*Break* 13:45-14:00

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*Session 11 Future studies, part III* 14:00-14:45

Chair: J. Matsumoto

<b>O3-12</b>	T.B.D. (with drawal; due to flight cancel) <b>S.K. Srivastav* (Director general of Meteorol., IMD)</b>	14:00-14:15
<b>O3-13</b>	Hydroinformatics for further comprehensive study on environment in South-East Asia <b>T. Oki, S. Kanae* (T6TO09Aug04143840)</b>	14:15-14:30
<b>O3-14</b>	Future observations over the Indonesian Maritime Continent <b>M.D. Yamanaka*, S. Mori, P.-M. Wu, R. Shirooka, S. Fukao, T. Sribimawati (T6MDY09Aug04021851)</b>	14:30-14:45

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*Break* 14:45-15:00

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**General Discussion** 15:00-16:00  
 Char: T. Yasunari

**Closing remarks** 16:00-16:20  
 by Y. Ding



**[Supported Organizations]**

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- \* 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)]**

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- \* 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 21<sup>st</sup> Century Center of Excellence Program)]**

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- \* KAGI21 (Kyoto University Active Geosphere Investigations for the 21<sup>st</sup> 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]**

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- \* 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 Planing  
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)]**

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- \* 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 (Resarch 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)]