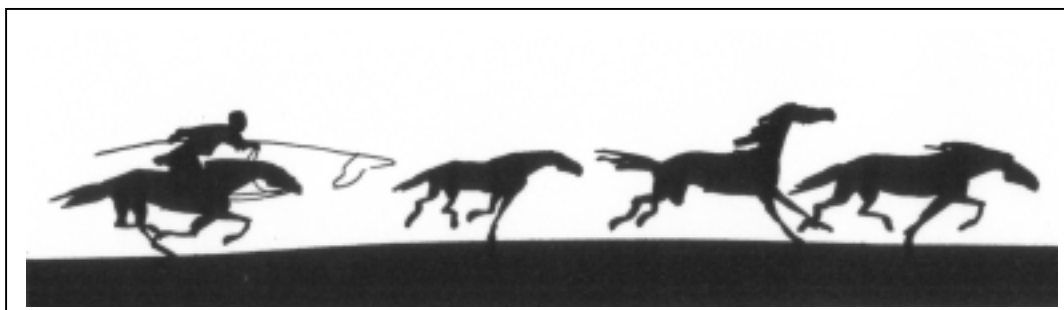


2002 International Workshop on Terrestrial Change in Mongolia[©]

- Joint Workshop of AMPEX, FRONTIER and RAISE Projects -

Program



3-4 December 2002,
JAMSTEC Tokyo Office, Tokyo, Japan

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December 3 (Tuesday)

Registration 9:30 am

Opening address 10:00 am - 10:10 am

- Batjargal, Zamba (Mongolian Ambassador to Japan)• Ohata, Tetsuo (Hokkaido Univ./FORSGC) -

Session 1 10:10 am - 10:40 am

- 1) Outline of the study on land surface system in the northern part of Mongolia by FORSGC
- Ohata, Tetsuo (Hokkaido Univ./ FORSGC) -
- 2) Present activities and outline of AMPEX project
- Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.) -
- 3) RAISE project to study the atmosphere-hydrosphere-biosphere interactions in northeastern Asia
- Sugita, Michiaki (Univ. of Tsukuba) -

Session 2 10:40 am – 0:20 pm

- 4) Meteorological observation system in Mongolia*
- Azzaya, Dorgorsuren (IMH) -
- 5) Interaction of ground and surface waters revealed by stable isotopes in the Tuul river basin, Mongolia
- Davaa, Gombo(IMH)• Oyunbaatar, Dambaravjaa(IMH)• Froehlich, Klaus(IMH) -
- 6) Activities and operation of the weather forecasting section of the Institute of Meteorology and Hydrology
- Oyunjargal, Lamjav (IMH) -
- 7) Water resources variability under climate change in Mongolia
- Batima, Punsalmaa (IGMAS)• Batnasan, Nyamsurengyn (IGMAS) -
- 8) Recent environmental changes and their impact in Mongolia: Planed TPN 5 activities
- Adyasuren, Tsokhio (Environment Educ. and Res. Institute ECO ASIA) -

Luncheon 0:20 pm - 1:30 pm

Session 3 1:35 pm - 3:15 pm

- 9) Spatial variations of frozen ground and their contributions for hydrology in Khentei Mountain region
- Ishikawa, Mamoru (FORSGC)• Zhang, Yinsheng (FORSGC)• Kadota, Tsutomu (FORSGC) •
Sharkhuu, Natsagdorj (IGMAS)• Yabuki, Hironori (FORSGC)• Ohata, Tetsuo (Hokkaido Univ./
FORSGC) -
- 10) Preliminary observational results of land surface processes on grassland of Nalikh, Mongolia
- Zhang, Yinsheng (FORSGC)• Kadota, Tsutomu (FORSGC)• Ishikawa, Mamoru (FORSGC)•
Yabuki, Hironori(FORSGC)• Ohata, Tetsuo (Hokkaido Univ./ FORSGC)• Gambold, Tseveenchimed
(IMH)• Natsuagsuren, Natsagdorj (IMH)• Munkhtsetseg, Erdeneochir (IMH) -
- 11) Bias correction of daily precipitation measurements for Mongolia
- Zhang, Yinsheng (FORSGC)• Ohata, Tetsuo (Hokkaido Univ./ FORSGC) Yang, Daqing (Univ. of
Alaska Fairbanks)• Davaa, Gombo (IMH) -
- 12) Permafrost and its recent changes in the Khentei mountain region
- Sharkhuu, Natsagdorj (IGMAS) -
- 13) Interannual and seasonal variation of surface heat balance observed over grassland in Mongolia
- Miyazaki, Shin (JST)• Miyamoto, Tadashi (Nomura Institute Res.)• Ohishi, Hitoshi (Masuda City)•
Kaihotsu, Ichirow(Hiroshima Univ./Kyoto Univ.)• Yasunari, Tetsuzo(Nagoya Univ./FORSGC)•
Davaa, Gombo (IMH)• Oyunbaatar, Dambaravjaa (IMH)• Natsagdorj, Luvsan (IMH) -

Break 3:15 pm - 3:30 pm

Session 4 3:30 pm - 5:30 pm

- 14) Long-term monitoring results by water cycle stations in the study area of AMPEX-AMSR/AMSR-E
- Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.)• Yamanaka, Tsutomu (Univ. of Tsukuba)

- Oyunbaatar, Dambaravjaa (IMH)• Gambold, Tseveenchimmed (IMH)• Koike, Toshio (Univ. of Tokyo) -
- 15) Estimation of plant biomass and plant water content through dimensional measurements of plant volume in the Dund-Govi Province of Mongolia
 - Hirata, Masahiro(Kyoto Univ.)• Oishi, Kazato(Graduate School, Kyoto Univ.)• Muramatsu, Kanako(Nara Women's Univ.)• Kaihotsu, Ichirow(Hiroshima Univ./Kyoto Univ.)• Nishiwaki, Aya (Miyazaki Univ.)• Ishida, Jyoken (Kyoto Univ.)• Hirooka, Hiroyuki (Kyoto Univ.) -
- 16) Comparison between AWS and routine measurements of meteorological elements at Mandalgobi site of AMPEX–Project area
 - Oyunbaatar, Dambaravjaa (IMH)• Gambold, Tseveenchimmed (IMH)• Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.)• Yamanaka, Tsutomu (Univ. of Tsukuba) -
- 17) Estimation of heat and water budget in Mongolia with biosphere-atmosphere transfer scheme
 - Tian, Shao-Fen (Nihon Univ.)• Tetsuo Ohata (Hokkaido Univ./FORSGC) -
- 18) Runoff processes of granite and sandstone drainage basins around Ulaanbaatar
 - Tanaka, Yukiya (Kyunghee Univ.) -
- 19) Ground truth for satellite observation in Mongolia*
 - Kajiwara, Koji(Chiba Univ.)• Honda, Yoshiaki (Chiba Univ.) -

Friendship party (party fee per person: 3,000 JPY) 5:45 pm – 7:45 pm

December 4 (Wednesday)

Session 5 9:00 am - 10:40 am

- 20) Study on land cover mapping in sparse vegetation area using satellite data
 - Muramatsu, Kanako (Nara Women's Univ.)• Yan, Xiong,(Graduate School, Nara Women's Univ.)• Nakayama, Saori (Nippon Koei Ltd)• Ochiai, Fumio.(Tezukayama Univ.)• Hirata, Masahiro (Kyoto Univ.)• Oishi, Kazato (Graduate School, Kyoto Univ.)• Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.) -
- 21) Study on net primary production of vegetation in the Mongolian plateau using satellite data
 - Yan, Xiong(Graduate School, Nara Women's Univ.)• Muramatsu, Kananako (Nara Women's Univ.)• Shinobu, Fruumi (Nara Women's Univ.)• Hirata, Masahiro (Kyoto Univ.)• Oishi, Kazato (Graduate School, Kyoto Univ.)• Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.) -
- 22) Study on thermal energy budget in the Mongolian plateau using satellite data
 - Muramatsu, Kananako (Nara Women's Univ.)• Nakayama, Saori (Nippon Koei Ltd)• Kaihotsu, Ichirow (Hiroshima Univ./Kyoto Univ.) -
- 23) Satellite data analysis in Mongolia:Vegetation dynamics and climatic variation
 - Kondoh, Akihiko (Chiba Univ.) -
- 24) ADEOS II development overview and observation plan*
 - Matsuura, Naoto (NASDA) -

Break 10:40 am - 10:50 am

Session 6 10:50 am - 0:50 pm

- 25) Outline of CEOP*
 - Koike, Toshio (Univ. of Tokyo) -
- 26) Surface flux observations during RAISE intensive observation and estimation of regional energy/water fluxes over Kherlen river basin
 - Asanuma, Jun. (Univ. of Tsukuba) • Matsushima, Dai (Tohoku Univ.) • Sugita, Michiaki (Univ. of Tsukuba) -
- 27) Isotopic analysis to study hydrological processes in Mongolia
 - Tsujimura, Maki(Univ. of Tsukuba) -
- 28) Ecological model and observations to study grazing and climatic impacts on Mongolian rangeland
 - Mariko, Shigeru (Univ. of Tsukuba)• Lee, Giljae (Univ. of Tsukuba)-

- 29) The roles of orography on northeastern Asia dry climate
- Kimura, Fujio (Univ. of Tsukuba)• Sato, Tomonori (JST) -
30) Climatological characteristics of Mongolia*
- Yasunari, Tetsuzo(Nagoya Univ./ FORSGC) -

Closing address 0:50 pm - 1:00 pm

- Enkhtuvshin, Sevjid (Director-General of National Agency for Meteorology, Hydrology and Environment Monitoring of Mongolia) -

Luncheon 1:00 pm - 2:30 pm

Business meeting 2:30 pm - 5:30 pm

Meeting of FRONTIER, Meeting of RAISE Group 3	2:30 pm - 3:30 pm
Joint Meeting of RAISE and FRONTIER	3:30 pm - 4:30 pm
Meeting of RAISE Group Leaders	4:30 pm - 5:30 pm

Presentaion time: 20 min/person (speaking: 15 min, discussion: 5 min)

Workshop place:

JAMSTEC Tokyo Office 10th Floor, Hibiya Centaral Bld., 2-9 Nishi-Shinbashi 1-chome, Minato-ku, Tokyo, 105-0003

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[<http://www.jamstec.go.jp/jamstec-e/access/tokyo/index.html>]

Access (visit the following URL):

[http://www.narita-airport.or.jp/airport_e/index.html]

Shinbashi-Tokyustay (Mongolian visitors' hotel):

Phone: +81-3-5401-1109, FAX: +81-3-5401-1107

[<http://www.tokyustay.co.jp/e/hotel/SHI/index.html>]

Notes

*: temporary title

ADEOS II: Advanced Earth Observing Satellite II, CEOP: Coordinated Enhanced Observing Period, FORSGC: Frontier Observational Research System for Global Change, IGMAS: Institute of Geography of the Mongolian Academy of Sciences, IMH: Institute of Meteorology and Hydrology, JST: Japan Science and Technology corporation, NASDA: National Space Development Agency of Japan

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