The 2nd International Workshop on Terrestrial Change in Mongolia©

- Joint Workshop of AMPEX, FORSGC and RAISE Projects -

Program

2-3 December 2003,
JAMSTEC Yokohama Institute for Earth Science, Yokohama, Japan
[http://www.jamstec.go.jp/forsgc/eng/map/index_e.html]

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December 2 (Tuesday)

Registration 12:00

Opening address 13:00 – 13:10

- Kaihotsu Ichirow (Hiroshima Univ.) -
- Batjargal Zamba (Mongolian Ambassador to Japan)-
- Suginohara Nobuo (FORSGC) -

Session 1 13:10 – 13:3 0

1) Progress in the research studies of FORSGC and further issues
   - Ohata Tetsuo (Hokkaido Univ./ FORSGC) -
2) Current status of the AMPEX project
   - Kaihotsu Ichirow (Hiroshima Univ.) -
3) Outline of the RAISE 2003 Field Campaigns and some Initial Findings
   - Sugita Michiaki (Univ. of Tsukuba) -

Session 2 13:30 –15:50

4) The soils of Mongolia
   - Dorjgotov Dechingungaa (IGMAS) -
5) Soil moisture studies in Mongolia
   - Azzaya Dorgorsuren (IMH) -
6) Observational study of hydrological land-surface processes on semi-arid grassland in Mongolia
   -ZhangYinsheng (FORSGC), Ishikawa Mamoru (FORSGC), Kadota Tsutomu (FORSGC), Munkhtsetseg Erdeneochir (IMH), Ganbold Tseveenchimed (IMH), Sharkhuu Natsagdorj (IGMAS), Natsuagsuren Natsagdorj (IMH), Yabuki Hironori (FORSGC), Ohata Tetsuo (Hokkaido Univ./ FORSGC) -
7) Estimation of evapotranspiration in Mongolian grassland using remotely sensed ground data
   - Sanjaa Tuya (Chiba Univ.), Kajiwara Koji (Chiba Univ.), Honda Yoshiaki (Chiba Univ.)-
8) Time-space variability of soil moisture and surface energy/water balance
   -Yamanaka Tsutomu (Univ. of Tsukuba), Kaihotsu Ichirow (Hiroshima Univ.), Oyunbaatar Dambaravjaa (IMH), GANBOLD Tseveenchimed (IMH) -
9) Frozen ground monitoring by combined use of DC resistivity imaging and neutron probe methods
   - Ishikawa Mamoru (FORSGC), Kadota Tsutomu (FORSGC), ZhangYinsheng (FORSGC), Ohata Tetsuo (Hokkaido Univ./FORSGC), Sharkhuu Natsagdorj (IGMAS), Battogtokh D.(IGMAS), Buyambaa D.(IGMAS) -
10) Occurrence of permeable frozen grounds in the southern boundaries of Eurasia permafrost zone
    - Ishikawa Mamoru (FORSGC), Kadota Tsutomu (FORSGC), ZhangYinsheng (FORSGC), Ohata Tetsuo (Hokkaido Univ./ FORSGC), Mizoguchi Masaru (Univ. of Tokyo) -

Break 15:50 -- 16:10

Session 3 16:1 0 – 18:1 0

11) Some results of monitoring water balance elements in the Khustai National Park
    -Davaa Gombo (IMH), Kaihotsu Ichirow (Hiroshima Univ.), Oyunbaatar Dambaravjaa (IMH), Purevdagva Khalzan (IMH), Batkhuu Dashzeveg (IMH), Ganbold Tseveenchimed (IMH) -
12) Runoff and rainfall observation in the Selbe river basin in 2003
    - Oyunbaatar Dambaravjaa (IMH) -
13) Study on water cycle in the Khentei Mts., Mongolia – status of observations in 2003 –
    -Kadota Tsutomu (FORSGC), Purevdagva Khalzan (IMH), Amarsanaa Yungeren (IMH), Batkhuu Dashzeveg (IMH), Bayasgalan Jigjid (IMH), Oyunbaatar Dambaravjaa (IMH), Davaa Gombo (IMH), Ohata Tetsuo (Hokkaido Univ./FORSGC)-

14) Water and mass cycle processes revealed by tracer approach in Kherlen River Basin, eastern Mongolia
- Tsujimura Maki (Univ. of Tsukuba) –

15) Hydrological observation and preliminary analysis of Kherlen River basin
- Lu Minjiao (Nagaoka Univ. of Technology) Kamimera Hideyuki (Nagaoka Univ. of Technology), Oyunbaatar Dambaravjaa (IMH), Davaa Gombo(IMH)-

16) A model study on dependency of water and energy budget on slope direction and vegetation
-Yamazaki Takeshi (FORSGC)-

Friendship party (party fee per person: 3,000 JPY) 18:30 – 20:30

December 3 (Wednesday)

Session 4 9:30 – 11:10

17) Extensive estimation of plant biomass and plant water content using Landsat ETM+ in Dund-Gobi Province of Mongolia
-Nagai Michiko (Kyoto Univ.), Hirata Masahiro (Kyoto Univ.), Oishi Kazato (Kyoto Univ.), Kaihotsu Ichirow (Hiroshima Univ.), Ishida yoken (Kyoto Univ.), Hirooka Hiroyuki (Kyoto Univ.) -

18) A study on the biomass change of Mongolian forest by using NDVI-Biomass Modeling
-Renchin Tsolmon (Chiba Univ.), Tateishi R. (Chiba Univ.), Kondo Akihiko (Chiba Univ.)-

19) Satellite data analyses for pasture land use in Mongolia
-Ts .Enkhzaya (Chiba Univ.), Tateishi,R.(Chiba Univ.), R.Tsolmon (Chiba Univ.)-

20) Land-Cover Sub-pixel classification using Remote Sensing on MODIS data in Tuv province of Mongolia
-Ts. Batchuluun (Nat. Univ. of Mongolia), R. Tsolmon (Nat. Univ. of Mongolia), Gombosuren (Nat. Univ. of Mongolia), N. Baatarbileg (Nat. Univ. of Mongolia)-

21) Interannual variations of productivity and phenology in Mongolian grassland
- Kondoh Akihiko (Chiba Univ.), Kaihotsu Ichirow (Hiroshima Univ.), Hirata Masahiro (Kyoto Univ.), Azzaya Dorgorsuren (IMH)-

Break 11:10 –11:30

Session 5 11:30 –13:10

22) Spectral Reflectance of Some Associations of Plant-Soil in Mongolian Steppe Zone
- Adyasuren Tsokhio, M. Erdenetuya, I. Byambakhuu, A. Amgalan (Environment Educ. and Res. Institute ECO ASIA) -

23) Vegetation Cover Monitoring in Mongolian Plateau using Remote Sensing Technology
- Adyasuren Tsokhio, M. Erdenetuya (Environment Educ. and Res. Institute ECO ASIA) -

24) Vegetation analysis using ADEOS-II/GLI data in Mongolian plateau
-Yan Xiong (Nara Women's Univ.), Muramatsu Kananako (Nara Women's Univ.), Kaihotsu Ichirow (Hiroshima Univ.), Soyama Noriko (Tenri Univ.), Fujiwara Noboru (Nara Women's Univ.)

25) Impact of seasonal and interannual variability of rainfall on grassland vegetation in central Mongolia
-Miyazaki Shin (JST/Univ. of Tokyo), Yasunari Tetsuzo (Nagoya Univ./FRSGC), Miyamoto Tadashi (NRI), Kaihotsu Ichirow (Hiroshima Univ.), Davaa Gambo (IMH), Oyunbaatar Dambarajaa (IMH), Natsagdorj Luvsan (IMH), Oki Taikan (RIHN/Univ. of Tokyo)

26) Land cover monitoring using Remote Sensing
Plant atlas of Dundgobi aimag
- Khudlmur Sodov (ICC)-

Luncheon 13:10 - 14:10

Session 6 14:10 –16:10

27) Interannual Variations of Precipitation and Low-Level Clouds over Mongolia during Summer
-Endo Nobuhiko (FRSGC), Kadota Tsutomu (FORSGC), Matsumoto Jun (Tokyo Univ.), Ohata Tetsuo (Hokkaido Univ./FORSGC), Yasunari Tetsuzo (Nagoya Univ./FORSGC)-

28) Annual and seasonal variation of air temperature of the lower part of troposphere in Ulaanbaatar
- Ganbold Tseveenchimed (IMH), Baasankhuu Galsan (IMH)-

29) Subsidence over East Asia responsed by diabatic heating of Tibetan Plateau
- Sato Tomonori (JST), Kimura Fujio (Univ. of Tsukuba/FRSGC) -

30) Environmental controls on CO_2 flux over Mongolian larch forest and stipa grassland
- Li Shenggong (Univ. of Tsukuba), Asanuma Jun (Univ. of Tsukuba), Kotani Ayumi (Univ. of Tsukuba), Sugita Michiaki (Univ. of Tsukuba) -

31) Biomass and carbon fluxes in a Mongolian grassland
- Mariko Shigeru (Univ. of Tsukuba), Urano Tadaaki (Univ. of Tsukuba), Oikawa Takehisa (Univ. of Tsukuba)-

32) Preliminary study on glaciers in Mongolia
- Kadota Tsutomu (FORSGC), Davaa Gombo (IMH)

General discussion and closing address 16:1 0 –16:4 0
- Azzaya Dorgorsuren (IMH) -

Business meeting 16:4 0 – 18:0 0
Meeting of IMH/3Projects

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

Workshop place:
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Access (visit the following URL):
[http://www.narita-airport.or.jp/airport_e/index.html]

Yokohama Sakuragicho Washington Hotel (Mongolian visitors' hotel):
Phone +81-45-683-3111, FAX +81-45-683-3112
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Notes
ADEOS II: Advanced Earth Observing Satellite II, FORSGC: Frontier Observational Research System for Global Change, FRSGC: Frontier Research System for Global Change, IGMAS: Institute of Geography of the Mongolian Academy of Sciences, IMH: Institute of Meteorology and Hydrology, ICC: Information and Computer Center, JST: Japan Science and Technology corporation, NRI: Nomura Research Institute, RIHN: Research Institute of Humanity and Nature JAXA: Japan Aerospace Exploration Agency