Tentative program

The First International Symposium on Terrestrial and Climate Changes in Mongolia

Mongolia-Japan Center
July 26-29, 2005

Ulaanbaatar, Mongolia

The symposium will be held at the conference hall of the Mongolia-Japan Center.
Web Address: http://www.japan-center.mn

26 July-

09:30-10:00	**Registration**	
10:00-10:30	**Opening remarks**	
Chair:	*Dr.D.Dagvadorj*	Director, Administration and International Cooperation Division, NAMHEM, Mongolia
	Dr.Ya.Adya	State secretary, Ministry of Nature end Environment, Mongolia
	Prof.Tetsuzo Yasunary	HyARC, Nagoya University, FRCGC/JAMSTEC, Japan
	Mr.S.Enkhtuvshin	Director-General, NAMHEM, Mongolia
	Prof.Tetsuo Ohata	IORGC, JAMSTEC, Japan
	Academician, D.Dorjgotov	Chair of the Division for Geology and Geography of Mongolian Academy of Sciences, Director-Institute of Geography, Mongolia

Session 1	**Climatic and ecological conditions and changes**	
Chairs:	*Prof.Tanaka Tadashi*	Graduate School of Life and Environmental Sciences, C15University of Tsukuba, Japan
	Dr.D.Azzaya	Director, Institute of Meteorology and Hydrology, Mongolia
10:30-10:50	Keynote presentation *Prof.Kaihotsu Ichirow*	Ground-Based Observations for ADEOS II/AQUA Validation in the Mongolian Plateau
10:50-11:10	*Dr.Jun Asanuma*	Schintilometer measurements of Regional Sensible Heat Flux at Kherlen Bayan-Ulaan
11:10-11:30	*Dr.Iwasaki Hiroyuki*	The break in Mongolian rainy season and its possible mechanism
11:30-11:50	*Mr.Clide Goulden, Ms.B.Nandintsetseg*	Recent climate change in Northern Mongolia and its impact on Ecosystem
11:50-12:10	*Mr.Tomoo Okayasu*	Spatially heterogeneous vegetation degradation after change in social system in Mongolia and its natural and anthropogenic causes.
12:10-12:30	*Ms.L.Bayasgalan Ms.Sh.Oyuntuya*	Toward Some Problems of Climatic and Eco-environmental Changes in Mongolia
12:30-14:00	**Lunch break**	
14:00-14:20	*Dr. Zhamsueva G.S., Dr. Zayakhanov A.S., Mr.Tsydypov B.Z., Mr.Tsydypov V.V.*	Spatial and temporary characteristic of atmosphere pollution of southern coast and water
14:20-14:40	*Dr.Yinsheng Zhang, Dr.T. Kadota, Prof.T. Ohata*	Environmental control of evapotranspiration on sparse grassland in Mongolia
14:40-15:00	*Dr.Nobuhiko Endo*	Summer daily precipitation characteristics in the East Asia simulated in a high-resolution CGCM
15:00-15:20	*Mr.Tomonori Sato*	Numerical experiment on precipitation change over Mongolia under global warming

15:20-15:40	*Dr.Richard Lawford*	The Northern Eurasia Earth Science Partnership Initiative and the potential role for Mongolia
15:40-16:00	**Break**	
16:00-16:20	*Mr.P.Gomboluudev* *Dr.L.Natsagdorj,* *Mr.A.Batbold* *Ms.L.Oyunjargal*	Mesoscale Numerical Case Study and Analysis of Cyclone Development
16:20-16:40	*Dr. Zhamsueva G.S.,* *Dr. Zayakhanov A.S.,* *Mr.Tsydypov B.Z.,* *Mr.Tsydypov V.V*	Diurnal and seasonal variations of small gaseous concentrations in Ulan-Ude, Buryat Republic, Russia
16:40-17:00	**Discussion**	
17:00-18:00	**Poster session**	
18:00-20:00	**Dinner**	

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Session 2 **Desertification, grazing and human activities**

Chairs:	*Prof. Michiaki Sugita*	University of Tsukuba, Japan
	Dr. O.Batkhishig	Researcher, Institute of Geography, Mongolia
09:30-09:50	Keynote talk Prof.Michiaki Sugita	Recent findings from RAISE project
09:50-10:10	*Dr.Akihiko Kondoh*	Relating Outbreak Frequency of Asian Dust(Kosa) to Landcover and Meteorological Conditions in East Asia
10:10-10:30	*Ms.B.Erdenetsetugs,* *Mr.T.Ganbaatar*	Some results of study of effecting factors on pasture condition, 2002-2004, Mongolia
10:30-10:50	*Prof. Ts.Adyasuren,* *Mr.Ts.Ganulzii*	Desertification assessment and its combating in Mongolia
10:50-11:10	*Ms.L.Erdenetugs,* *Mr.Ts.Enkhsaihan* *Ms.Ts.Solongo*	Support to development community forest management in Mongolia
11:10-11:30	*Dr.Takehiro Sasaki*	Relationships between abundance, composition of plant community and grazing intensities in Bulgan, in the South Gobi of Mongolia
11:30-11:50	*Dr.D.Erdenetsetseg,* *Ms.D.Munkhzul*	Relationship between pasture biomass and the environment
11:50-12:10	*Mr.Masanori Kobayashi*	Consolidating social and ecological scale in the assessment of combating desertification and mitigating drought impacts in Mongolia
12:10-12:30	**Discussion**	
12:30-14:00	**Lunch break**	

Session 3 **Cryosphere conditions and changes**

Chairs:	*Prof.Tetsuo Ohata*	Institute of Observational Research for Global Change, JAMSTEC, Japan
	Dr.D.Jugder	Scientific secretary, Institute of Meteorology and Hydrology, Mongolia

14:00-14:20	*Dr.N. Sharkhuu, Ms.Sh. Anarmaa*	Recent degradation of permafrost in Mongolia
14:20-14:40	*Dr. Takeda Kazuo*	Prediction of Changes of Permafrost Distribution around Lake Hovsgol, in Mongolia
14:40-15:00	*Dr.N. Sharkhuu, Mr.D.Battogtoh, Dr.T. Kadota, Dr.M.Ishikawa, Dr.Y.Zhang Prof.T. Ohata*	Initial results of observations on snow cover in Shijir valley near Terelj, Mongolia
15:00-15:20	*Dr.M.Ishikawa Dr.Y.Zhang, Dr.T.Kadota, Prof.T.Ohata, Dr.N.Sharkhuu, Mr.D.Battogtokh, Mr.D.Byambademberel Mr.Ts.Ganbold*	The new findings of hydraulic and thermal characteristics of Mongolia froze ground through three years intebsive observations
15:20-15:40	**Discussion**	
15:40-16:00	**Break**	

Session 4 **Remote sensing of terrestrial and climate conditions**

Chairs:	*Prof. Kaihotsu Ichirow*	Hiroshima University, Japan
	Prof. Ts.Adyasuren	President, Eco-Asia Institute, Mongolia

16:00-16:20	*Dr.Matsushima Dai*	Estimating Regional Evapotranspiration over Kherlen River Basin Combining Satellite Data and a Heat Budget Model
16:20-16:40	*Ms.S.Tuya*	Daily Grass Reference Evapotranspiration Estimates: Variability and Relationship to NDVI in Mongolian Grassland region
16:40-17:00	*Ms.L.Oyunjargal*	Comparison between the RADAR precipitation data and rain-gauge data
17:00-17:20	*Prof.Ts.Adyasuren, Prof.M.Sugita, Dr.M.Erdenetuya*	Assessment of pastureland change using remote sensing data in Eastern Steppe zone of Mongolia
17:40-18:00	*Dr.Maki Tsujimura*	Summary of products by tracer approach in RAISE project (tentative)
17:20-17:40	**Discussion**	

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Session 5 **Water cycle and water resources**

Chairs	*Dr.Richard Lawford*	Director, International GEWEX Project Office, USA
	Dr. G.Davaa	Chief of the Hydrology Section, Institute of Meteorology and Hydrology, Mongolia

09:30-09:50 Keynote presentation

	Prof.Tetsuo Ohata	Summary of research on water cycle done by IORGC in Northern Mongolia and future plans
09:50-10:10	*Prof.R.Mijiddorj, Dr. G.Davaa, Mr.S.Khudulmur, Dr.M.Erdenetuya, Dr.N.Baatarbileg, Dr.T.Kadota*	Responses of the Uvs Lake regime to the air temperature fluctuations and environment changes
10:10-10:30	*Prof.Tanaka Tadashi, Dr.Tsujimura Maki Mr.Abe Yutaka*	Groundwater Recharge Process in Arid and Semi-arid Regions
10:30-10:50	*Dr.D.Oyunbaatar, Dr.Mutsushima Dai, Prof.Micjiaki Sugita, Mr.Tomonori Sato*	Comparison between AWS and standard station measurements of basic hydrometeorological elements in Kherlen river basin-RAISE Projects area
10:50-11:10	*Dr.Yukiya Tanaka, Mr.H.Kato, Mr.T.Nishikawa, Dr.Y.Onda, Dr.Maki Tsujimura, Dr.D.Oyunbaatar, Dr.G.Davaa*	Comparative study on overland flow generation in Baganuur and Kherlenbayan-Ulaan drainage basins.
11:10-11:30	*Dr. Richard Lawford*	Applying Planetary Water and Energy Cycle Science and Observations to Regional Issues in East Asia and Mongolia
11:30-11:50	**Discussion**	
11:50-12:10	**General discussion**	
12:10-12:30	**Closing remarks**	
	Prof. Kaihotsu Ichirow	Hiroshima University, Japan
	Dr.D. Azzaya	Director, Institute of Meteorology and Hydrology, Mongolia
12:30-14:00	**Lunch break**	

14:00-16:00	City tour	
16:00-23:00	Research visit to the astronomical center "Khurel Togoot"	
18:00-19:30	**Dinner in "Khurel Togoot"**	

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09:00-12:30	Shopping	
12:30-14:00	Lunch	
14:00-22:00	Field trip	Khustai National Park, 110 km from Ulaanbaatar city

Poster session

P-1	*Dr.Jun Asanuma*	Time-Scale Analysis of Surface Flux Components over Mongolian Grassland and Forest
P-2	*Dr.Matsushima Dai*	Estimating Inter- and Intra- Seasonal Changes of Satellite NDVI and LAI over Kherlen River Basin Using a Bi-Directional Reflectance Correction

P-3	*Dr.Yoshihiro Iijima*	Seasonal variation in transpiration by sap flow measurements at Tererj larch forest
P-4	*Mr.Hideyuki Kamimera* *Dr.Minjiao Lu*	Runoff Analysis of the Kherlen River Basin using the Distributed Hydrological Model
P-5	*Mr.Hidekazu Kato*	Influence of grazing on surface heat balance, vegetation and carbon dioxide flux over the Mongolian grassland
P-6	*Ms.Ayumi Kotani*	Estimation of surface heat fluxes around Kherlen river basin by airborne turbulence data
P-7	*Ms.Maki Asano*	Genesis of calcic horizons in Mongolian steppe soils using radiocarbon isotope analysis
P-8	*Ms.Aki Hoshino*	Effects on water retention by cultivation and grazing in the Kherlen river basin, Mongolia
P-9	*Dr.Sheng-Gong Li*	How summer season precipitation affects net ecosystem carbon dioxide exchange over the grazing steppe in central Mongolia
P-10	*Dr.Yuxiang Chen,* *Mr.Pilzae Lee,* *Mr.Gilzae Lee,* *Mr.Shigeru Mariko,* *Mr.Takehisa Oikawa*	Simulation about grazing effect on below-ground processes of a Mongolian grassland ecosystem
P-11	*Dr.Hironori Yabuki*	The characteristics of forest distribution in Tuul river basin
P-12	*Ms.G.Amgalan,* *Prof.A.Jayaraman*	Analysis of changes in visibility and rainfall during 1993-2003 over selected locations in Mongolia and examination of possible human impact
P-13	*Prof.Takeda Kazuo*	Water Level Rise and the Causes in Lake Hovsgol, in Mongolia
P-14	*Ms.Sanjaa Tuya*	Water Balance Model based Evapotranspiration estimation using climate data
P-15	*Mr.I.Byambakhuu*	Estimation of vegetation indices using ground spectral measurements at Kherlen Bayan-Ulaan site of RAISE project
P-16	*Ms.B.Tsatsral,* *Dr.L.Natsagdorj*	The Standardized Precipitation Index and it's comparison with far-link index of intercommunion for ocean-atmosphere
P-17	*Mr.Hiroaki Kato*	
P-18	*Ms.B.Bujudmaa* *Ms.D.Oyunchimeg*	Some results of air pollutants and greenhouse gases' inventory in Mongolia