



2nd ASQUA Meeting
Ulan-Ude, the Baikal region, Russia
Geological Institute of Siberian Branch, Russian Academy of Sciences;
ASQUA;
Siberian Branch, Russian Academy of Sciences.
INQUA Commission on Stratigraphy and Chronology
Sponsored by Company «Geokontrol-Vostok»

Advances in the Quaternary of Interior Asia

Scientific Programme
Field Excursion Programme
List of Poster Presentations

September 9-15
Ulan-Ude 2013

12:45-13:15 *Mironov A.G., Smirnova O.K., Antsiferova T.N.*
Pre-Cenozoic Geology and mineral resources of the Baikal region.

13:15-14:30 Lunch

Session "Mammal faunas for the Quaternary studies"

Conveners: Meng J., Badamgarav D.

14:30-14:50 *Meng Jin*
On the method to refine Asian land mammal ages using criteria for global stratotype section and point.

14:50-15:10 *Erbajeva M., Alexeeva N.*
Quaternary mammal faunas of the Baikalian region: biochronology, dispersal and correlation with the Central Asian one.

15:10-15:30 *Wang Yuan, Jin Changzhu*
New Mammuthus remains from North China.

15:30-15:50 *Khenzykhenova F., Shchetnikov A., Klement'ev A., Semenei E., Filinov I., Sizov A.*
Late Pleistocene mammal fauna of the reference sections in Tunka Rift Valley (southwestern Baikal region): geochronology and paleogeography.

15:50-16:10 *Erbajeva M., Alexeeva N., Hoeck G.*
Taxonomic diversity and evolutionary development of Cenozoic Eurasian ochotonids

16:10-16:40 Coffee-break

16:40-18:00 Poster session

19:00 Dinner

20:30 Movie: "Mammoth's shadow" (2011, in Russian with English titles) (popular-science film on mammoths will be presented by director Alexei Vyrsky)

September 11

Session "Regional Quaternary studies in Asia"

Conveners: Gibbard P.L, Kumai H.

10:00-10:20 *Zech W., Ruzhringer I., Sosin P., Kabgov H., Merchel S., Aldahan A., Zech R.*
Reconstruction of late Pleistocene glaciations in the Southern Pamir and Gissar Range (Tajikistan) based on ¹⁰Be surface exposure dating.

10:20-10:40 *Xiao J.L., Fan J.W., Zhai D.Y., Wen R.L., Qin X.G.*
A model for linking grain-size component to lake level status of a modern clastic lake.

- 10:40-11:00 *Hsieh Meng-Long*
Late Quaternary mass-wasting records in the actively uplifting mountains of Taiwan.
- 11:00-11:30 Coffee-break
- 11:30-11:50 *Kim Ju-Yong*
Quaternary tectonic and sedimentary environment of coastal terrace system in the East Coast of Korean Peninsula.
- 11:50-12:10 *Li Shijie, Jin Chuanfang, Chen Wei, Luo Rongqin*
Climate and environment changes in north-western arid China during late quaternary: evidences from geological record of glacial and lake sediments.
- 12:10-12:30 *Narantsetseg Ts., Tomurhuu D., Oyunchimeg Ts., Kuzmin M.I.*
Late Quaternary sedimentation history, vegetation development and climate of the Hovsgol basin, Northern Mongolia.
- 12:30-12:50 *Wang L., Li J., Lu H., Gu Zh., Rioud P., Hao Q., Mackay A.W., a.o.*
The East Asian winter monsoon over the last 15,000 years: its links to high-latitudes and tropical climate systems and complex correlation to the summer monsoon.
- 12:50-14:30 Lunch
- Conveners:** Zech W., Shchetnikov A.A.
- 14:30-14:50 *Kumai H.*
Requirements for forming of the Paleolithic site on the volcanic area.
- 14:50-15:10 *Alexeeva N., Erbajeva M.*
Quaternary Stratigraphy of the Western Transbaikalia.
- 15:10-15:30 *Andreeva D., Wiesenberg G.L.B., Zech M., Erbajeva M., Chimitdorzhieva G., Zech W.*
Paleoenvironmental interpretation of a Late Glacial and Holocene soil-sedimentary sequence near Burdukovo, Selenga River valley, Buryatia.
- 15:30-15:50 *Tsydenova N.*
Paleoenvironment and ancient cultures of the Pleistocene-Holocene transition (Baikal region)
- 15:50-16:10 *Zech W., Andreeva D., Dippold M., Wiedner K., Tashak V., Chimitdorgieva G.D., Sedov S., Glaser B.*
Biogeochemistry of archaeological soils in Transbaikalia, SE Siberia
- 16:10-16:40 Coffee-break
- 16:40-18:00 Poster session
- 19:00 Conference Dinner

September 12

Session "Quaternary of Baikal Lake"

Conveners: Wang L., Hsieh M.L.

- 10:00-10:20 *Shchetnikov A.A.*
The formation of Proval Bay as an episode in the development of the Baikal rift basin.
- 10:20-10:40 *Ryashchenko T.G., Akulova V.V.*
Eolian sedimentation in the south-eastern Baikal region (Late Pleistocene - Holocene).
- 10:40-11:00 *Golubtsov V., Cherkashina A.*
Record of environmental changes of South Pribaykalie by pedogenic carbonate coatings.
- 11:00-11:30 Coffee-break
- 11:30-11:50 *Kolomiets V., Budaev R.*
Lithologic-stratigraphic and paleogeographic analysis of forming of sandy strata of Kuitun of the Barguzin basin (Baikal Siberia).
- 11:50-12:10 *Budaev R., Kolomiets V.*
Reconstructions of paleogeography elements on the basis of study of Late Pleistocene and Holocene deposits of the Ust'-Selenga basin (East Pribaikalye).
- 12:10-12:30 *Shiribon A.A.*
Results of a natural gas field Monitoring in the Upper Angara basin along the Yanchukan – Uoyan – Lake Baikal Profile.
- 12:30-13:00 Final discussion and closing ceremony
- 13:00-14:30 Lunch
- 15:00-18:00 Excursion to the Lake Baikal shore, Late Pleistocene-Holocene deposits
- 19:00 Dinner
- 20:30 *Shahina Ghazanfar:*
Presentation on the Royal Botanic Gardens, Kew, GB

FIELD EXCURSIONS PROGRAMME

September 13

- 08:30 Departure to the Ulan-Ude
- 11:00 Arrival to Ulan-Ude; Hotel "Buryatia"
- 12:30-13:30 Lunch
- 14:00-18:00 Field Excursion to the Tologoi locality
- 19:00 Dinner

September 14

- 08:30 Field Excursion to the Itantsa locality
 - 13:00 Lunch
 - 16:00 Excursion to Ethnographic Open-Air Museum
 - 18:30 Dinner
- Departure of participants

September 15

Departure of participants

LIST OF POSTER PRESENTATIONS

Chairs: Bazarova V., Lu H.

An Chengbang

Variation in vegetation records since last 30 ka in Lake Balikun Basin, NW China.

Bazarova V.

Correlation of Holocene events in the Amur River basin.

Budaev R., Kolomiets V.

New fossil fauna localities of Ubukun-Orongoi basin (Western Transbaikalia).

Chang Yuan-Pin

Reconstruction of Long-term *n*-Alkane Records and the Inferred Paleo-environmental/Paleoclimatic Changes of Central Taiwan Alluvial Fan.

Chen Jianhui, Liu Jianbao, Wang Haipeng, Hu Yu, Stephen J. Brooks, Fahu Chen

Medieval Warm Period Climate Variability Inferred from Chironomids in Bosten Lake, Xinjiang, arid Central Asia

Chen Fahu, Li Guoqiang, Wang Xin, Madsen D.

Landscape evolution of the Ulan Buh Desert in northern China during the late Quaternary

Danukalova G., Osipova E., Khenzykhenova F.

Late pleistocene (MIS 3) molluscs of the Bol'shoi Naryn site (Baikal Region, East Siberia, Russia).

Ganzey L., Razjigaeva N., Grebennikova T., Kharlamov A.

The traces of Holocene paleotsunami recorded in coastal lowlands sections of closed bays, Lesser Kurils.

Goehlich U.

The Mastodonts from the Neogene of Mongolia.

Grydina M.

Late Neopleistocene paleoenvironment of the Selengino-Itantsinian basin

Han Jingtai, Sun Huiguo, Zhang Shurong, Lu Xixi

Isotopic characteristics of the riverine inorganic carbon (DIC) and particulate organic carbon (POC) of the lower Xijiang River, SE China and implications for DIC-POC transformation.

Khenzykhenova F., Tumen D., Erdene M., Tsydenova N., Schepina N.

Holocene microtheriological and amphibian fauna of Mongolia.

Kozhamkulova B.

Distribution of Carnivora in Neopleistocene of Kazakhstan.

Li F., Wu N., Lu H., Zhang J., Wang W., Ma M., Zhang X., Yang X.

Mid-Neolithic exploitation of mollusks in the Guanzhong Basin of Northwestern China

Lu Houyuan, Xu Deke, Wu Naiqin, Liu Zhenxia, Li Tiegang, Shen Caiming, Wang Luo

Asynchronous marine-terrestrial signals of the last deglacial warming in East Asia associated with low- and high-latitude climate changes.

Qian Peng, Zhou Limin, Zheng Xiangmin, Lu Chao

Magnetic Properties of atmospheric particulate in Shanghai during dust storm event and its implications for heavy metal contaminate sources.

Razjigaeva N., Ganzey L., Grebennikova T., Belyanina N., Ivanova E., Lebedev A., Maksimov F., Kusnetsov V.

Environmental Dynamics at the Middle Pleistocene warming (MIS 7) in Lesser Kurile Arc.

Rao Z.G., Y.B. Xu, F.H. Chen

Variation and paleoclimatic significance of organic carbon isotopes of Illi loess in the arid Central Asia

Shchetnikov A. A., Klement'ev A.M., Fillinov I.A.

New data on the age of Late Pleistocene sediments in the Tunka valley (Southwestern Baikal region) derived from ¹⁴C dating of large mammal fossils

Shuzhen Peng, Zhengtang Guo, Qingzhen Hao

Clay mineralogy of the Hipparion Red-earth Formation in Eastern Chinese Loess Plateau and its environmental implications.

Sizikova A., Zykina V.

The loess formation dynamics of the Late Pleistocene on south of West Siberia, Lozhok section.

Sun Huiguo, Han Jingtai, Lu Xixi, Zhang Shurong

Sources and transport of riverine carbon in the Songhua River, NE China.

Tleuberdina P., Nasirov R.

Estimate of absolute geological age of Kazakhstan fossil vertebrates by EPR – radiospectroscopy method.

Tleuberdina P.

Area of Eurasia antelope (*Saiga tatarical.*) in Pleistocene of Kazakhstan.

Wang Xiaoming, Li Qiang, Tseng Jack

Is Tibet a Cradle of Ice Age Megafauna?

Yang S.L., Ding Z.L.

Stacked 249-Kyr grain size record from the Chinese loess based on eight sections

Zech W., Andreeva A., Hambach U., Fuchs M., Chimidorgieva G.D., Erbajeva M. A.

Quaternary environmental changes in Transbaikalia (southern Siberia) as recorded in the terrestrial key section Tologoi: Preliminary results.

Zhang Wei

The distribution of ancient hominid sites and relationship between environments in the Yishu River basin, China.

Zhai Qiumin, Guo Zhiyong Shenjuan

Palaeoclimatic Changes Since The Deglaciation Revealed by Lacustrine Sediments In Mianchi Basin Of Western Henan Province, Central China And the Implication For Chinese Culture Development.