

HONORARY COMMITTEE

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(ORANGE BADGE GROUP)**

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PROGRAMME

Wednesday, 10th September

15.00–19.00 **Registration** of participants at the conference venue (Ural Federal University, Building №1, Street address: Prospekt Lenina, 51)

Thursday, 11th September

08.00–09.00 **Registration**, continued (Ural Federal University, Building №1, Street address: Prospekt Lenina, 51)

09.00–21.00 **Field trip 1: Karst cavities of the western slope of the Middle Urals and their sedimentary infill as evidence of environmental changes during the Quaternary**
(Meeting point: Ural Federal University, Building №1, Street address: Prospekt Lenina, 51)

Stop 1.1. The Border of Europe and Asia: Geological background

Stop 1.2. Olen’i Ruch’i National Park: Typical landscapes of Serga Karst Region (the Serga River valley)

Stop 1.3. Dyrovatyi Kamen’ Cave: Stratigraphy, paleontological data and archaeological findings

Stop 1.4. Rock-Shelter Svetlyi: Stratigraphy, paleontological data, archaeological findings and taphonomic issues

Friday, 12th September

08.30–09.30 **Registration**, continued (Ural Federal University, Building №1,
Street address: Prospekt Lenina, 51)

09.30–10.00 **Opening ceremony** (Main Conference Hall)

Welcome from the Institute of Natural Sciences UrFu

Prof. Vladimir Kruzhaev

Welcome from the Institute of Plant & Animal Ecology UrB RAS

Prof. Vladimir Bogdanov

Welcome from the Organizing Committee

Prof. Aleksandr Borodin

Welcome from the INQUA-SEQS vice-president

Dr. Guzel Danukalova

& INQUA-SEQS secretary

Prof. Markus Fiebig

SESSION 1. STRATIGRAPHY AND CORRELATION (Main Conference Hall)

Chairmen: Fiebig M., Danukalova G.

10.00–10.20 **Marks L., Gałazka D., Woronko B.** Stratigraphy of the Last Pleistocene glacial period in Poland

10.20–10.40 **Šeirienė V., Rylova T., Baltrūnas V., Karabanov A., Savchenko I., Karmaza B., Kisielienė D., Paškauskaitė J.** Pleistocene chronostratigraphical correlation of Lithuania and Belarus

10.40–11.00 **COFFEE BREAK** (Lecture Room 314)

11.00–11.20 **Astakhov V.** Stratigraphic correlation of Late Pleistocene across glaciated Northern Russia

11.20–11.40 **Zykin V.S., Zykina V.S.** Stratigraphy and changes of environment and climate in the Late Cenozoic of Western Siberia

11.40–12.00 **Linke G., Frechen M.** Correlation of the Tobolian Interglacial (location Krivosheino/Ob River banks, north of Novosibirsk) with the Holsteinian Interglacial (northern Middle Europe), based on ²³⁰Th/U activity ratio, thermoluminescence measurements (TL), and amino acid racemization

- 12.00–12.20 **Borisov B.A., Shkatova V.K., Semenova L.R.** Proposal on structure of the General Stratigraphic Scale of the Quaternary of Russia
- 12.20–12.40 **Coltorti M., Pieruccini P., Vandenberghe J.** Alluvial stratigraphy and fluvial dynamics at the Late Pleistocene-Holocene transition in the Italian Apennines
- 12.40–13.00 **van Kolfschoten T., Kuijjer K., Turner C., Urban B.** The Schöningen Middle Pleistocene sequence: a broader perspective

13.00–14.00 **LUNCH**

Serbian Yard Restaurant, Street address: Prospect Lenina, 53

SESSION 2. GEOLOGICAL PROCESSES (Main Conference Hall)

Chairmen: Marks L., Astakhov V.

- 14.00–14.20 **Fiebig M., Braumann S., Decker K., Haeuselmann P., Hintersberger E., Lomax J., Luethgens C., Neuhuber S., Schaefer J.M.** New investigations of Quaternary deposits in the Vienna Basin (Austria)
- 14.20–14.40 **Toker M., Celal Şengör A.M., Krastel S., Demirel-Schlüter F., Niessen F.** The Plio-Quaternary deformation of the Lake Van Basin (Eastern Anatolia) from multi-channel seismic reflection profiles
- 14.40–15.00 **Lomp P., Rattas M.** Carbonate cements in glacial sediments: implications for palaeohydrologic conditions and glacial chronology
- 15.00–15.20 **Lasberg K.** Chronology of the Late Weichselian glaciation in the southeastern sector of the Scandinavian Ice Sheet
- 15.20–15.40 **Dublyansky Y., Kadebskaya O., Luetscher M., Cheng H., Chaykovskiy I., Spötl Ch.** Preliminary data on the Pleistocene history of permafrost in Central Urals (Russia) derived from cryogenic cave carbonates
- 15.40–16.00 **Lefort J.-P., Monnier J.-L., Danukalova G.** The Icelandic basalts: an «exotic» contribution to the Pleistocene beach deposits of westernmost Europe. How they grounded in France

16.00–16.20 **COFFEE BREAK** (Lecture Room 314)

SESSION 3. QUATERNARY SOIL SEQUENCES (Main Conference Hall)

Chairman: Coltorti M., Osipova E.

- 16.20–16.40 **Alexandrovskiy A.L., Ershova E.G., Krenke N.A.** Soil and pollen records in soil-alluvial series of the Moskva-river floodplain
- 16.40–17.00 **Sizikova A.O., Zykina V.S.** Correlation of the Late Pleistocene loess-paleosol sequence of SW Siberia and dynamics of its formation
- 17.00–17.20 **Thiemeyer H., Peters S.** Landscape and soils around the prehistoric site of Kammenyj Ambar
- 17.20–17.40 **Sheinkman V.** Problems of Quaternary Glaciations and the first findings of the MIS 3 paleosols in the north-western Siberia
- 17.40–18.00 **Korkina I.** Surface soils and paleosols of rock-shelter Svetlyi (the Middle Urals)

18.00–19.40 **POSTER SESSION** (Lecture Room 314)

20.00 **BANQUET**

Osobnyak Restaurant, Street Address: Krasnoarmeyskaya Str., 8

POSTER PRESENTATIONS

SECTIONS: STRATIGRAPHY AND CORRELATION, GEOLOGICAL PROCESSES, SOIL SEQUENCES, PALEOENVIRONMENT AND PALEOGEOGRAPHY

Chairmen: Pieruccini P., Sheinkman V.

Agafonov L. The Ob River discharge for the last 300 years: Reconstruction from tree rings

Astakhov V., Shkatova V., Zastrozhnov A., Chuyko M. The new map of ice marginal formations of Russia

Bylinskaya M.E., Golovina L.A., Pokrovskii B.G. Paleoenvironments in the Fram Strait, North Atlantic, during MIS 2–6

Danukalova G., Yakovlev A., Osipova E. Biostratigraphical characteristic of the Lower Neopleistocene deposits of the Southern Urals region

Dergacheva M., Nekrasova O., Uchaev A. Sarykul' paleosol in Baturino quarry (Southern Urals, Russia)

Khrunyk Y.Y., Koporikov A.R., Bogdanov V.D., Borodin A.V. Genetic variability of burbot, *Lota lota*, and the connection of the main Holarctic river basins in the Quaternary

Kisieliene D., Stancikaite M., Šeirienė V., Gryguc G., Skipityte R. Late-glacial climatic events and chronology of environmental development in south-east Lithuania

Korsakova O.P., Kolka V.V., Semyenova L.R. Late Neopleistocene stratigraphy according to the sediment successions from Eastern Kola Peninsula, Ponoy River Valley

Krotova-Putintseva A.Y. Once again about the Early Valdaian glaciation

Letunova P.P., Kulagina N.V., Sharova O.G., Bezrukova E.V., Vinogradov A.P. Forest ecosystem history of south Eastern Siberia over the Holocene

Panova N.K., Antipina T.G. Late glacial and Holocene environmental history on the eastern slope of the Middle Ural Mountains, Russia

Rudenko O.V., Yenina V., Taldenkova E.E. New paleofloristic data from Holocene bottom sediments of the Laptev Sea outer shelf and continental slope

Semerikov V.L., Semerikova S.A., Polezhaeva M.A., Kosintsev P.A. Phylogeography of Siberian conifers based on cytoplasmic and nuclear DNA markers

Stefanovskii V.V., Zinoviev E.V., Strukova T.V., Trofimova S.S., Kosintsev P.A. Biostratigraphy of the Late Pleistocene deposits in the site of Nizhnyaya Tavda (Western Siberia, Russia)

Trifonov V.G., Lyubin V.P., Belyaeva E.V., Lebedev V.A., Trikhunkov Ya. I., Tesakov A.S., Simakova A.N., Veselovsky R.V., Latyshev A.V., Meliksetian Kh., Presnyakov S.L., Ivanova T.P., Ozhereliev D.V., Bachmanov D.M., Artyushkov S.E., Lyapunov S.M. Early Pleistocene of North-West Armenia: stratigraphy, archaeology and tectonics

Ulitko A.I. Stratigraphy of sediments and mammals in the karst caves in the Irgina River Valley (Middle Urals)

Valdayskikh V., Zhdanova T., Filimonova D. Some Features of 4-Millennium Buried Soils of Zauralye (Trans-Urals)

Yalkovskaya L.E., Sibiryakov P.A., Borodin A.V. Fossil finds and molecular phylogeography of the Siberian flying squirrel (*Pteromys volans* L., 1758)

Zastrozhnov A., Shkatova V., Minina Y., Gusev Y., Chuyko M., Astakhov V. The new Quaternary map of the Russian Federation, scale 1:2 500 000

Saturday, 13th September

SESSION 4. PALEOENVIRONMENT AND PALEOGEOGRAPHY

Chairmen: van Kolfschoten T., Dublyansky Y. (Main Conference Hall)

- 09.00–09.20 **Sapelko T.V., Deryagin V.V.** Pollen correlations from lake sediments of the Southern Urals and Western Europe
- 09.20–09.40 **Coltorti M., Pieruccini P.** Tectonics, climate and fluvial sedimentation: the Pleistocene record of Central Italy
- 09.40–10.00 **Bezrukova E.V., Tarasov P.E., Letunova P.P., Shchetnikov A.A., Kulagina N.V., Ivanov E.V., Sharova O.G., Belov A.V., Levina O.V.** Last glacial–interglacial vegetation and environmental dynamics in Southern Siberia
- 10.00–10.20 **Sharova O.G., Bezrukova E.V., Shchetnikov A.A., Letunova P.P., Kulagina N.V., Sheifer E.V., Filinov I.A., Ivanov E.V., Levina O.V.** Vegetation and climate changes in the Sentsa river valley (East Sayan Highland) in the Middle–Late Holocene
- 10.20–10.40 **Zastrozhnov A., Danukalova G., Zastrozhnov D., Popov S.** The main matters of stratification for Lower Volga Neopleistocene, Russian Federation
- 10.40–11.00 **Semerikova S.A., Semerikov V.L.** Molecular phylogeny and biogeographic history of firs (*Abies*, Pinaceae) based on AFLP markers and cytoplasmic DNA sequence data

11.00–11.20 **COFFEE BREAK** (Lecture Room 314)

SESSION 5. PALEONTOLOGICAL SECTION (Main Conference Hall)

Chairmen: Nadachowski A., Markova E.

- 11.20–11.40 **Malikov D.G.** The large mammals of North-Minusinsk basin in the Last Glacial period
- 11.40–12.00 **Markova A.K.** European small mammal faunas during the end of Early Pleistocene — the beginning of the Middle Pleistocene
- 12.00–12.20 **Zinovyyev E.V., Dudko R.Yu., Gurina A.A., Tsepelev K.A., Tshernyshev S.E., Legalov A.A.** First records of the sub-fossil insects from Quaternary deposits in the southeastern part of Western Siberia

- 12.20–12.40 **Baygusheva V.S., Titov V.V., Tesakov A.S., Syromyatnikova E.V., Kurshakov S.V., Frolov P.D.** Middle Pleistocene fauna of Veshenskaya (middle Don River, Rostov Region, Russia)
- 12.40–13.00 **Popova L.V.** Evolutionary lineage of *Spermophilus superciliosus*–*S. fulvus* (Rodentia, Sciuridae) in the Quaternary of the Dnieper Area: an ability of a biostratigraphical implication
- 13.00–14.00 **LUNCH**
Serbian Yard Restaurant. Street address: Prospect Lenina, 53
- 14.00–14.20 **Nikolskiy P.A., Titov V.V., Tesakov A.S., Foronova I.V., Baygusheva V.S.** Two early Biharian morphotypes of meridionaloid elephants, *Archidiskodon meridionalis* (Nesti, 1825), recovered from Sarkel (Lower Don area, southern European Russia)
- 14.20–14.40 **Tiunov M.P.** *Myospalax psilurus* — a relic of the Southeastern outskirts of the mammoth fauna
- 14.40–15.00 **Chairkina N.M.** Peat Bog Sites of the Trans-Urals
- 15.00–15.20 **Chlachula J., Serikov Yu. B.** Geology and Chronology of Pleistocene Cultural Records in the Central Urals
- 15.20–15.40 **Korochkova O.** Archaeological sites of the Middle Urals: Landscape features in the Eurasian context
- 15.40–16.00 **COFFEE BREAK** (Lecture Room 314)
- 16.00–17.00 **POSTER SESSION** (Lecture Room 314)
- 17.00–18.00 **MEETING OF THE SEQS COMMUNITY** (Main Conference Hall)
- 18.30–21.30 **EVENING SIGHTSEEING**

POSTER PRESENTATIONS
PALEONTOLOGICAL SECTION

Chairmen: Fominykh M.A., Popova L.V.

Borodin A.V. Evolutionary patterns in the dentition of Arvicolinae (Cricetidae, Rodentia)

Fadeeva T.V. Insectivorous mammals (Eulipotyphla) in the Perm Pre-Urals during the Late Pleistocene and Holocene periods

Klimowicz M., Socha P., Nadachowski A. Rodents as indicators of a steppe biome development in late Middle and Late Pleistocene of Poland

- Kosintsev P.A.** Elasmotherium (*Elasmotherium sibiricum* Fisher, 1808): new data on the period of existence and geographic range
- Kosintsev P.A., Gasilin V.V., Gimranov D.O.** Carnivores of the Urals in the Late Pleistocene and Holocene
- Kuzmina E.A., Smirnov N.G., Ulitko A.I.** New data of the Holocene small mammal communities from Ural-Sakmara interfluvium, Southern Urals
- Lemanik A., Nadachowski A., Socha P.** Biostratigraphic importance of root vole (*Microtus oeconomus*) in Pleistocene of Poland
- Loseva E.** Fossil Diatoms in the North of Western Urals and Bolshezemelskaya tundra
- Markova E.A., Strukova T.V., Borodin A.V.** Small mammals as indirect biotic markers for climate dynamics assessment in the central part of Northern Eurasia
- Nadachowski A., Lipecki G., Ratajczak U., Stefaniak K., Wojtal P.** Dispersal events of saiga antelope (*Saiga tatarica*) in Central Europe in response to the climatic fluctuations in MIS 2 and the early part of MIS 1
- Pogodina N.V., Yakovleva Yu. A.** Arvicoline fauna of Zverinogolovskoye locality (Pliocene-Early Pleistocene, Southern Transurals)
- Puzachenko A.Yu., Markova A.K.** Mammal diversity during the Pleistocene–Holocene transition in Eastern Europe
- Ratajczak U., Stefaniak K., Nadachowski A.** Remains of *Saiga tatarica* (Linnaeus, 1766) from the Quaternary deposits of Emine-Bair-Khosar Cave (Crimea) and other localities of Ukraine and Poland
- Smirnov N.G., Kuzmina E.A., Izvarin E.P., Kropacheva Y.E.** Steppe species of small mammals in Pleistocene and Holocene communities of North Eurasia
- Socha P.** Rodent biodiversity in the Middle and Late Pleistocene of Poland
- Socha P.** Rodent communities as indicators of climate dynamics in Poland during late Middle and Late Pleistocene
- Sotnikova M.V.** A Canidae assemblage from the Kuruksay fauna (Southern Tajikistan) as the reflection of the most important events that occurred at the beginning of Early Pleistocene in Central Asia
- Zinovyev E.V.** Disjunctive areas of insects as a reflection of environmental peculiarities of Northern Eurasia in the Pleistocene and Holocene
- Zykov S.V., Fominykh M.A., Strukova T.V.** Dental microwear in Late Quaternary rodents: methodological issues in the analysis of *Clethrionomys* and *Sylvaemus*

Sunday, 14th September

08.00–21.00 **Field trip 2: Southern Urals, Day 1**
(Departure point: Ural Federal University, Building №1,
Street address: Prospekt Lenina, 51)

Stop 2.1. Field seminar «The Quaternary stratigraphy of the eastern slope of the Southern Urals: Baturino Coal Quarry»

Stop 2.2. Field seminar «Quaternary deposits in the Miass River valley (eastern foothills of the Southern Urals): Miass Brick Quarry»

Stop 2.3. Round-table discussions and dinner at the FonGrad conference Hall

Overnight stay in the FonGrad Hotel

Monday, 15th September

08.00–23.00 **Field trip 2: Southern Urals, Day 2**
(Departure point: FonGrad Hotel, parking lot)

Stop 2.4. Field seminar «Karst caves of the Southern Urals: Quaternary deposits, paleoenvironment, dating and archaeological heritage of Ignatievskaya Cave»

Tuesday, 16th September

- 10.00–21.00 **Field trip 3: Eastern slope of the Middle Urals: Quaternary deposits in granite grottos, peat lands and alluvial placers**
(Departure point: Ural Federal University, Building №1, Street address: Prospekt Lenina, 51)
- Stop 3.1.** Shaytanoozersky Kamennyi Ostrov-1 (ShKO), a unique archaeozoological locality in granite rocks of the Middle Urals (Upper Neopleistocene — Holocene)
- Stop 3.2.** An open-pit gold mine in the Shuralka River mouth, outcrops of the Pleistocene alluvial and Holocene riverine peat deposits
- Stop 3.3.** Gorbunovo Peat Bog, a unique archaeological and paleontological locality and a stratotype section of the Gorbunovo Horizon (the entire Holocene sequence)
- Stop 3.4.** The East-Uralian fluvial complexes of the Quaternary: Udarnik gold placer as a reference locality of the Rezh Alluvium (Upper Neopleistocene)
- Stop 3.5.** Nevyansk Museum