



VI INTERNATIONAL SCIENTIFIC CONFERENCE ECOLOGY OF ANCIENT AND TRADITIONAL SOCIETIES

Tyumen, November 2–6, 2020

Organising Committee

- Matveeva N.P., professor, head of the Laboratory of archaeology and ethnology, Institute of social sciences and humanities, Tyumen State University (Tyumen), Committee Chair.
- Bagashev A.N., director of the ECI Tyumen Scientific Centre SB RAS (Tyumen), Committee CoChair.
- Buzhilova A.P., member of RAS, director of the Institute of Anthropology, Moscow State University (Moscow).
- Molodin V.I., member of RAS, Institute of Archaeology and Ethnography, SB RAS (Novosibirsk).
- Adaev V.N., leader researcher of the Department of Anthropology and Ethnology, Institute of the problems of Northern development (Tyumen Scientific Centre SB RAS) (Tyumen).
- Zelenkov A.S., junior fellow of the Laboratory of archaeology and ethnology, Institute of History and Political Sciences, Tyumen State University (Tyumen).
- Kosintsev P.A., head of the Department of Paleoecology, Institute of Plants and Animals, UB RAS (Yekaterinburg).
- Larin S.I. research fellow, Earth Cryosphere Institute, Tyumen Scientific Centre SB RAS (Tyumen)
- Ryabogina N.E., head of the Institute of the problems of Northern development (Tyumen Scientific Centre SB RAS) (Tyumen).
- Slepchenko S.M., leader researcher of the Physical Anthropology Department, Tyumen Scientific Centre SB RAS (Tyumen).
- Tolstikov A.V., first vice rector for research of Tyumen State University (Tyumen).
- Chikunova I.Yu., senior researcher of the Department of Archaeology and Natural Science Methods, Institute of the problems of Northern development (Tyumen Scientific Centre SB RAS)(Tyumen).
- Chubarov I.M., director, Institute of social sciences and humanities, Tyumen State University (Tyumen), vice rector.

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November 2 (Monday) – Registration

Tyumen, Lenina st. 23, hall of the 501 aud. 15:00-18:00

November 3 (Tuesday)

8:30-9:30 – Registration (hall of the 501 aud.).

Settlement systems and development of the territory – 501 aud.

(Curators: *Sharapov D.V., Kostomarov V.M., Tataurov S.F.*)

Section meeting: 10:00 – 16:00

Greeting speech – Tolstikov A.V., vice rector for research of Tyumen State University.

1. **Kostomarov V.M.** (*Tyumen*) – Features of geodata as a historical source.
2. **Bykov N.I., Glebova A.B., Sergeev I.S.** (*Barnaul*) – landscape regularities of human settlement in THE Southeastern Altai based on archaeological data.
3. **Bulakova E.A., Kostomarov V.M.** (*Yekaterinburg*) – The location system of bronze age sites in the Karagayly-Ayat river valley (South Ural).
4. **Pereskakov M., Sannikov P., Shumilovskikh L., Mingalev V., Mingaleva M., Kozyakova P.** (*Perm*) – The identification of seasonal settlements by geographical methods.
5. **K.Y. Krestyannikov** (*Tyumen*) – The landscape and the settling structure of the Tobol river basin in the XVI–XVIII centuries ad: problems of interpretation of source.
6. **Selin D.V., Chemyakin Y.P.** (*Novosibirsk*) – Raw material strategies of potters of the kulai culture (Surgut Priobye, Barsova gora).

11:30 – 12:00

Coffee break (hall of the 501 aud.).

7. **Kosorukova N.V., Kulkova M.A., Gimranov D.O., Sablin M.V., Lukintseva V.A., Grinina T.S.** (*Cherepovets*) – Settlement and economic systems of the stone age in the Vozhe lake basin (Vologda region).
8. **Shalakhov E.G.** (*Yurino*) – New materials from the Polyanskaya-v site in the Mari-Volga region.
9. **Idrisov I.A., Borisov A.V.** (*Makhachkala*) – Agricultural terraces as the base of the settlement system in the Eastern Caucasus.
10. **Bunin D.S., Khokhlova O.S., Panin A.V., Ilyashenko S.M.** (*Vladimir*) – Integrated interdisciplinary research of the ancient environment of Tanais.
11. **Tretyakov E.A.** (*Tyumen*) – The problem of the spatial adaptation of the population of the developed middle ages in the Trans-Urals.
12. **Tataurov S.F.** (*Omsk*) – Territorial and chronological aspects of the origin and development of archaeological micro-regions.

13:30 – 14:30

Lunch break

13. **Alaeva I.P.** (*Chelyabinsk*) – Bronze age settlement system in southern Trans-Ural steppes (based on the Zingeyka river valley sites).
14. **Petrova L.Y.** (*Chelyabinsk*) – Late bronze age settlement system in the Bolshaya Karaganka river micro-region.
15. **Demakov D.A.** (*Perm*) – Colonization of the shores of Chusovsky lake and the Berezovka river by ancient man in the holocene.
16. **Sharapov D.V.** (*Tyumen*) – Micro-region as a research unit: comparison of field methods.

Everyday and crisis environmental adaptation of traditional societies – 501 aud.

(Curators: *Adaev V.N., Lyubimova G.V.*)

Section meeting – 15:30 – 18:45

1. **Abramov I.V.** (*Yekaterinburg*) – Weir fishery and technic regulation of Konda Lowland rivers.
2. **Adaev V.N.** (*Tyumen*) – The phenomenon of extreme adaptation in the research field of cultural ecology.
3. **Vinokurova L.I.** (*Yakutsk*) – Hunting in rural communities of Yakutia: resilience and flexibility of traditions.
4. **Isaeva T.A.** (*Surgut*) – Modernization of traditional nature management of the Trom-Agan khanty.
5. **Lyubimova G.V.** (*Novosibirsk*) – Resource conflicts in the life support system of local communities (based on materials from rural areas of South Siberia).
6. **Maltseva O.V.** (*Novosibirsk*) – cattlebreeding on the Lower Amur taiga territory.

17:00 – 17:30

Coffee break (hall of the 501 aud.).

7. **Sajnakova N.V., Kovylin S.V. (Tomsk)** – Materials on toponymy of the Ket Ob region as a basis for identifying the boundaries of settlement of the dialect-local group šošqum/šošqup and evidences of the intermediate status of the Middle Ob dialect of the Selkup language.
8. **Rud' A.A. (Surgut)** – Deer in the modern culture of the eastern khanty.
9. **Fedorov R.Y. (Tyumen)** – Regional features of environmental adaptation of belarusian peasants-migrants of Siberia and the Far East (end of 19 – first half of 20 centuries).
10. **Filippova V.V. (Yakutsk)** – Nature land use and ecological tradition of the dolgans in Yakutia.
11. **Kenig A.V., Schmidt A.V. (Khanty-Mansiysk)** – Kaldan fishing: based on the materials of Sherkaly 1.

November 3 (Tuesday)

Environmental determinism: adaptation and transformation of the economy of ancient societies and paleoecological dynamics – 516 aud.

(Curators: Borisov A.V., Ryabogina N.E.)

Section meeting: 10:00 – 14:00

Greeting speech – Bagashev A.N., director of the ECI Tyumen Scientific Centre SB RAS.

1. **Borisov A.V., Mimokhod R.A. (Puschino)** – "4.2 ka event" in the desert steppes of Eastern Europe: optimal crisis theory.
2. **Vasiullina A.I., Sedov S.N., Bessudnov A.A., Yurtaev A.A. (Tyumen)** – Magnetic susceptibility as an indicator of natural and anthropogenic events at the paleolithic site of Kostenki 17.
3. **Gak E.I., Borisov A.V. (Moscow)** – Season's markers of the cattle-breeding settlements of the bronze age in the forest-steppe zone.
4. **Blyakharchuk T.A., Bobrova A.I., Zhilina T.N. (Tomsk)** – The natural conditions of the development of ethnic cultures of Priketye in the southeast of West Siberia in the iron age.
5. **Lychagina E.L., Lapteva E.G., Zaretskaya N.E., Kopytov S.V., Chernov A.V., Trofimova S.S., Demakov D.A. (Perm)** – Reconstruction of the natural holocene environment in the Upper Kama according to comprehensive study of the Levaty section.
6. **Mimokhod R.A., Gak E.I., Borisov A.V., Ryabogina N.E., Khomutova T.E (Moscow)** – Metal logistics: reasons and consequences of stopping transit of caucasian bronze to the territory of the Russian plain.
7. **Pereskokov M., Shumilovskikh L., Sannikov P., Mingalev V., Mingaleva M., Kozyakova P. (Perm)** – Adaptation, migration and cultural transformation in the changing environment of the Pre-Urals in the early iron age and the migration period: first results and prospects of research.

11:00 – 11:30

Coffee break (hall of the 501 aud.).

8. **Ryabogina N.E., Yuzhanina E.D. (Tyumen)** – Paleoecological dynamics and features of the inhabited landscape: coordination of pollen data from peatlands and cultural layers of the forest-steppe Tobol-Ishim region.
9. **Ushakov S.V. (Simferopol)** – Ancient city of Tauric Chersonese and South-West Crimea at the grand migration period: historical and ecological aspects.
10. **Yurtaev A.A., Aleksandrovsky A.L., Sedov S.N. (Tyumen)** – Dark-colored chernozem-like soils of old settlements in the southern taiga of Western Siberia as a result of agriculture adaptation to the conditions of the Little Ice age.
11. **Sarapulov A.N., Podosyonova YU.A., Mokrushin I.G., Krasnovskikh M.P. (Perm)** – The first finds of medieval amber on the territory of the Perm Cis-Urals (using the methods of instrumental analysis in the study of fossil archaeological resins).

13:30 – 14:30

Lunch Break

Horse in ancient and traditional societies – 516 aud.

(Curators: Tishkin A.A., Kosintsev P.A., Orlando L.A.A.)

Section meeting: 14:30 – 18:30

1. **Varenov A.V. (Novosibirsk)** – Ancient chinese horse bits and cheek pieces of the late bronze age.

2. **Tsybiktarov A.D.** (*Ulan-Ude*) – Altar-mention of the culture of kherexur of the burial grounds Staraya Kapcheranka.
3. **Tishkin A.A.** (*Barnaul*) – Horses in the funeral practice of the carriers of the biykenskaya culture of Altai arzhan-mayemir time.
4. **Kusliy M.A., Tishkin A.A., Fages A., Librado P., Khan N., Bokovenko N.A., Iderkhangai T.-O., Chugunov K.V., Graphodatsky A.S., Orlando L.** (*Barnaul*) – Features of horse breeding in arzhan-mayemir time in Altai, Tuva and Mongolia.
5. **Kosintsev P.A., Beisenov A.Z.** (*Ekaterinburg*) – A horse from the iron age settlement of Abylai in Central Kazakhstan.
6. **Besetayev B.B.** (*Almaty*) – Horse harness of the scythian-saka time of East Kazakhstan (history).
7. **Plasteeva N.A., Tishkin A.A., Sablin M.V.** (*Ekaterinburg*) – New results of archaeozoological research of horses from two mounds on the site of pazyryk culture Tuekta.
8. **Kusliy M.A., Tishkin A.A., Khan N., Tonasso-Calvière L., Schiavinato S., Liu X., Fages A., Wagner S., Berezin A.Y., Berezina N.S., Bokovenko N.A., Vasiliev S.K., Galimova M.S., Grushin S.P., Dashkovskiy P.K., Iderkhangai T.-O., Kiryushin K.Y., Kovalev A.A., Kosintsev P.A., Minyaev S.S., Molodin V.I., Mylnikova L.N., Nenakhov D.A., Plasteeva N.A., Seregin N.N., Stefanova N.K., Tiunov M.P., Filimonova T.G., Chugunov K.V., Erdenebaatar D., Graphodatsky A.S., Orlando L.** Preliminary ancient dna analysis of 170 horse osteological remains from Asia.

16:30 – 17:00

Coffee break (hall of the 501 aud.)

9. **Seregin N.N., Matrenin S.S.** (*АлмГУ, Барнаул*) – Лошадь в обрядовой практике населения Алтая хуннско-сяньбийско-жужанского и тюркского времени.
10. **Matveeva N.P.** (*Tyumen*) – The burials with horses as marker of nomad's migration to the forest-steppe of Trans-Urals.
11. **Omarov G.K., Besetayev B.B.** (*Almaty*) – Reconstruction of the horse harness of the medieval nomads of the Kazakh Altai.
12. **Konikov B.A.** (*Omsk*) The role of the horse in the life of the southern taiga population of the Irtysh region of the early and developed middle ages.

November 4 (Wednesday)

Historical ecology of Russians– 516 aud.

(Curators: Tataurova L.V., Tataurov F.S.)

Section meeting: 10:00 – 17:30

1. **Tataurova L.V.** (*Omsk*) – Historical ecology and life-support system of the russian population of Siberia of the XVII–XVIII bc in archaeological researches – historiographical aspect.
2. **Teryukov A.I.** (*St. Petersburg*) – Russian ethnography in St. Petersburg XVIII – early XX centuries (the historical and ecological aspect).
3. **Brodnikov A.A.** (*Novosibirsk*) – Ditch filling as a source for reconstruction of the environment and living conditions of the population of the Umrevinsky ostrog in the 18th century.
4. **Аксянова Г.А.** (*Moscow*) – Некоторые наблюдения о состоянии зубной системы у жителей села Изюк в Омском Прииртышье (XVII–XIX вв.).
5. **Dedik A.V., Rykun M.P.** (*Krasnoyarsk*) – The state of health and life features of the old-time population of Omsk Cis-Irtysh XVII–XVIII centuries according to anthropology (burial ground of ananyino i).
6. **Gorohov S.V.** (*Novosibirsk*) – Towers on tape pile-column foundations in cities and ostroms of Siberia.

11:30 – 12:00

Coffee break (hall of the 501 aud.)

7. **Tataurov F.S., Tataurov S.F.** (*Omsk*) – The formation of the life support system of the city of Tara in XVII–XVIII centuries: use of local natural resources.
8. **Anoshko O.M.** (*Tyumen*) – To the problem of adaptation to the natural elements of the inhabitants of Tobolsk in the XVII–XVIII centuries according to archaeological and historical data.

9. **Fedorov R.Y.** (Tyumen) – Transformation of subsistence of belarusian peasants-migrants of Siberia and the Far East (end of XIX – first half of XX centuries).
10. **Shapran I.G.** (*Izhevsk*) – Russian rural district in the "orbit" of Izhevsk factories (the last third of the XIX – beginning of XX century).
11. **Perevozchikov S.A., Kalugina D.A.** (*Izhevsk*) – Landscape changes in the pre-revolutionary Sarapul.
12. **Saukov G.N.** (*Kurgan*) – Fishing for the russian population in the region of the Andreevsky lake system in the XVII–XIX centuries.
13. **Lobanova T.V.** (*Ekaterinburg*) – Обзор палеоэкологических материалов с русских поселений севера Западной Сибири XVI-XIX вв.
14. **Kisgulov A.V., Baranov M.Y.** (*Nefteyugansk*) – Archaeozoological materials from the settlement of the ob ostyaks Bala 1 site in the XVII – late XIX century.

14:00 – 15:00

Lunch break.

15. **Sopova K.O.** (*Omsk*) – Raw materials of pottery production as a source for the study of russian pottery in Western Siberia.
16. **Krih A.A., Chernova I.V.** (*Omsk*) – The water resources in the rural development strategies by siberian peasants: the Middle Irtysh region in the XVII – early XX centuries.
17. **Bondarev A.A., Tataurova L.V., Tataurov S.F.** (*Omsk*) – Livestock and hunting in the economy of the russian population of Tara areal in the Irtysh region: a comparative study of the city and village.
18. **Boeskorov G.G. Strogova E.A. Ponomarev I.P.** (*Yakutsk*) – Nutrition of residents of the city of Yakutsk in the XVII and XVIII centuries (based on the materials of the "Logovaya" location).
19. **Bachura O.P., Lobanova T.V., Martynovich N.V.** (*Ekaterinburg*) – Commercial activities of the russian population of the Yeniseisk city in the XVII–XIX centuries.

November 4 (Wednesday)

Historical human ecology – 501 aud.

(Curators: Buzhilova A.P., Slepchenko S.M., Kozlov A.I.)

Section meeting: 10:00 – 19:00

1. **Batanina O.V.** (*Novosibirsk*) – Two incidents of scalping in burials of the Late Krotov (Cherno-Ozero) culture of the Tartas-1 burial ground.
2. **Buzhilova A.P., Karaseva N.M.** (*Moscow*) – Life expectancy and stress in the early stages of ontogenesis on the example of arctic groups (environmental aspects).
3. **Bryuhova N.G.** (*Perm*) – Paleopathological studies of anthropological material from the Mitinsky burial ground in the Perm territory (2014–2019).
4. **Vagner-Sapuhina E.A.** (*Moscow*) – Environmental and hereditary factors of variability of discretely varying signs of the postcranial skeleton.
5. **Grigorev A.P.** (*Samara*) – Osteological characteristics of the Volga-Ural's population during III–I thousands bc in the focus of genetic succession, economic, cultural and environmental adaptation problems.
6. **Dobrovolskaya M.V.** (*Moscow*) – Study of the bone collagen isotopic composition and the lifestyle reconstruction of the Middle Don population of the scythian period.
7. **Evteev A.A.** (*Moscow*) – Methodological aspects of studying the influence of diet and type of economy on the shape of the human skull.
8. **Chagarov O.S.** (*Moscow*) – The food system of the population of the Middle Don region of the V-IV centuries. BC. (according to isotope chemistry data).

12:00 – 12:30

Coffee break (hall of the 501 aud.).

9. **Zubova A.V., Moiseev V.G., Dupa S., Hartanovich V.I.** (*St. Petersburg*) – Dental pathologies in Sakhalin ainu.
10. **Karapetyan M.K.** (*Moscow*) – Human cranial vault thickness revisited (with new data on craniological collections from Caucasus).
11. **Leibova N.A.** (*Moscow*) – Odontological characteristics of the defenders of the Fort Albazin on the Amur (XVII century).

12. **Moiseev V., Zubova A.V., Batarshev S.** (*St. Petersburg*) – Paleodietary pattern of yankovskaya culture: dental data.
13. **Pezhetskii D.V.** (*Moscow*) – Interpretation of environmental factors of selection during the Russian colonization of Siberia.
14. **Svirkina N.G.** (*Moscow*) – Dental pathologies and dietary of the inhabitants of ancient Fanagoria (on materials from the Eastern necropolis burials).

14:00 – 14:30

Lunch break.

15. **Sleptsova A.V.** (*Tyumen*) – Possible links between populations of Western Siberia in early iron age (by dental non-metric traits).
16. **Tur S.S.** (*Barnaul*) – Manipulative behavior in Altai pastoralists from the bronze and early iron ages as assessed through humeral bilateral asymmetry.
17. **Ulyanova M.V.** (*Kemerovo*) – Siberian bukhara tatars: territorial variety of demographic parameters.
18. **Hartanovich V.I., Zubova A.V., Moiseev V.G.** (*St. Petersburg*) – On the anthropology of Russian Arctic population of the early metal epoch.
19. **Kozlov A.I., Vershubskaya G.G.** (*Moscow*) – Helminthiasis prevalence among indigenous and old-resident population of the Northern Ob river area: anthropoecological aspects.
20. **Leibova N.A.**, (*Moscow*) – Features of the morphology of the dental system and the spread of dental pathologies in the Bashkirs late XIX – early XX centuries

17:30 – 18:00

Coffee break (hall 501 aud.)

21. **Slepchenko S.M.** (*Tyumen*) – Archeoparasitology – the new source of reconstruction of the migrations of the ancient population: opportunities, results and perspective.
22. **Poshehonova O.E.** (*Tyumen*) – The diet of the northern Selkups in the XVII-XIX centuries based on the results of multidisciplinary research. Assessment of stress resistance on the example of the historical group of Khanty (anthropological aspects).
23. **Kolyasnikova A.S., Buzhilova A.P.** (*Moscow*) – Tolerance for stress assessment by the case of Khanty historical group (anthropological aspects).

November 5 (Thursday)

Agricultural development of the surroundings of ancient and medieval settlements – 501 aud.

(Curators: Vyazov L.A., Ershova E.G., Ponomarenko E.V.)

Section meeting: 10:00 – 14:00

1. **Ershova E.G., Bakumenko V.O.** (*Moscow*) – Soil pollen indicators of land use types.
2. **Пonomarenko E.B., Ershova E.G., Vязов Л.А., Блиnnиков М.С.** (*Ottawa*) – Slash-and-burn cultivation, from Siberia to Canada.
3. **Krenke N.A., Ershova E.G., Ponomarenko E.V.**, (*Moscow*) – The study of traces of iron age agriculture in the Moskva river basin.
4. **Vyazov L.A., Ponomarenko E.V., Ershova E.G., Salova Y.A.** (*Kazan*) – Between swiddens and ploughlands: ripping implements in historical land use systems of Eastern Europe and their traces in soil.
5. **Adamov A.A.** (*Tobolsk*) – Agriculture in the forest-steppe and south taiga Irtysh and Tobol areas in the middle ages – new time (overview of sources).
6. **Zhurbin I.V., Borisov A.V.** (*Izhevsk*) – Economic periphery of a medieval settlement according to geophysical and microbiological research.
7. **Blinnikov M.S., Ponomarenko E.V., Vyazov L.A., Salova Y.A.** (*St. Cloud*) – Settlement V-VI centuries AD in the Western Trans-Kama region and its economic district: preliminary results of the study of the Urnyak settlement.
8. **Sarapulov A.N., Lapteva E.G.** (*Perm*) – Reconstruction of the habitat and economy of the medieval population of Rodanovo settlement (Perm region).

11:30 – 12:00

Coffee break (hall of the 501 aud.).

9. **Krivokorin I.G., Ershova E.G.,** (*Reading*) – Paleoecological studies of medieval ponds of MSU Zvenigorod biological station (Moscow region).
10. **Devyashin M.M., Ragimhanova I.Z.** (*Ekaterinburg*) – Preliminary results of the study of the mound burial ground Shelomok 1 barrow.
11. **Nosova M.B.** (*Moscow*) – Four stages of anthropogenic transformation of the temperate vegetation zone of the European part of Russia.
12. **Lavrenov N.G., Ershova E.G., Zhuravkova M.M., Krenke N.A.** (*Moscow*) – Human impact on landscape in Smolensk region in last 2 millennia.
13. **Golyeva A.A., Vinokurov N.I.** (*Moscow*) – Landscapes of the northeastern part of the Crimean peninsula in the ancient era according to anthracological analysis (on the example of the town of Artesian).
14. **Mingalev V.V.** (*Perm*) – The discovery of megaflood of the sylvia high floodplain in the middle 1st millennium ad.

14:00 –15:00

Lunch Break

15:00 –17:00 – Discussion

501 aud.

Posters

hall 501 aud.

17:00-18:00

1. **Zelenkov A.S.** (*Tyumen*) – Adaptive skills potters of the Potchevash culture (on materials Loginovskoye settlement)
2. **Sarapulov A.N., Podosenova Y.A., Mokrushin I.G., Krasnovskih M.P.** (*Perm*) – The first finds of medieval amber on the territory of the Perm Urals (the use of instrumental analysis in the study of fossil archaeological resins).
3. **Tkachev A.A., Tkacheva N.A.** (*Tyumen*) – Funeral rite of the Kulagurga population of the Upper Irtysh.
4. **Krasnoperov A.A.** (*Izhevsk*) – The problem of «final» of the Mazunino archaeological culture on the right bank of the Kama river.
5. **Yuzhanina E.D., Ryabogina N.E.** (*Tyumen*) – Prospects for the study of ash-heaps as sources of complex information about the natural environment and the economy of the ancient population.