

# INQUA-SEQS 2022 Conference

21–28 August, 2022, East European Palaeolithic Belt (Russia)



## ***EAST EUROPEAN PALAEOOLITHIC SEQUENCES: STRATIGRAPHY, GEOMORHOLOGY, CHRONOLOGY, PALAEOENVIRONMENT***

### First Circular

#### **ATTENTION, PLEASE!**

The final decision concerning the Conference format will be taken by the end of March 2022. If the restrictions related with pandemic will remain unchanged, we will organize the 1-2 days zoom conference at the end of September (like Polish colleagues in 2021), and will ask the SEQS board for the permission to organize the offline conference in the next inter-conference period.

The conference will be organized under the guidance of the INQUA Commission on Stratigraphy and the Subcommission of European Quaternary Stratigraphy (SEQS).

#### **ORGANISERS:**

- Institute of Geography, Russian Academy of Sciences (RAS)
- INQUA-SEQS, INQUA – Section on European Quaternary Stratigraphy
- Institute of History of Material Culture, Russian Academy of Sciences
- Institute of Archaeology, Russian Academy of Sciences
- The natural, architectural and archaeological museum-reserve Divnogorye
- State Archaeological Museum-Reserve Kostenky
- Bryansk diocese



***PROGRAMME COMMITTEE:***

**Thijs van Kolfschoten**, Leiden University, The Netherlands (Chair)

**Markus Fiebig**, University of Natural Resources and Life Sciences, Vienna, Austria

**Guzel Danukalova**, Institute of Geology, Ufimian Federal Research Centre RAS, Russia

**Pierluigi Pieruccini**, Università degli Studi di Torino, Turin, Italy

**Sergei Sedov**, Instituto de Geología, UNAM, Mexico

**Aleksander Borodin**, Institute of Plants and Animal Ecology, Ural Scientific Centre RAS, Russia

**Aleksei Tesakov**, Geological institute RAS, Russia

**Vadim Titov**, Institute of arid zones, Southern scientific Centre RAS, Russia

***ORGANISING COMMITTEE:***

Institute of Geography, Russian Academy of Sciences:

**Nataliya Zaretskaya** (chair)

Andrei Panin, Evgeniy Konstantinov, Andrei Zakharov, Elena Mazneva, Ksenia Philippova (secretary)

Institute of History of Material Culture, Russian Academy of Sciences:

**Sergei Vasiliev** (co-chair)

Aleksander Otcherednoi, Andrei Sinitsyn, Aleksander Bessudnov, Maria Zheltova, Ksenia Stepanova (secretary)

Institute of Archaeology, Russian Academy of Sciences:

Khizri Amirkhanov

Konstantin Gavrilov

***PROPOSED SESSIONS:***

1. Quaternary stratigraphy, palaeontology geochronology and environmental changes of Europe.
2. Geoarchaeology: interaction of geological and historical approaches.
3. Tephrostratigraphy across Europe.
4. Major regional subdivisions of the Quaternary in European regions: a common data-base (DATESTRA).

The conference language is English; talks and posters are accepted preferably as off-line presentations.



**PROVISIONAL PROGRAM (7—8 DAYS):**

Sunday, August 21th: arrival to the town of Voronezh, transfer to the natural, architectural and archaeological museum-reserve Divnogorie (hotel). Registration.

Monday, August 22th: field trip to Kostenki (160 km there and back), visiting the Kostenki 11, 14 and Borshevo sections (stratigraphy, geochronology, position within the Don valley), Kostenky museum. Return to Divnogorie hotel.

Tuesday, August 23th: Divnogorie section (wild horse taphocoenosis), Divnogorie museum, transfer to Kursk Geostation (250 km). Stop at tephra site. Night at Kursk Geostation.

Wednesday, August 24th: Avdeevo and Byki sites, their geomorphological pattern and history of the Seim river valley. Transfer and night at Khotylevo archaeological station (near Briansk town).

**People with restricted timing can arrive directly to Briansk (via Moscow/St Petersburg) at August 24 and join the Conference. We will organize the transfer from Briansk railway station.**

Thursday-Friday, August 25-26th: whole day sessions (oral and poster), business meeting.

Saturday, August 27th: Khotylevo I and II sections (chronostratigraphy), conference dinner. Night at Khotylevo archaeological station.

Sunday, August 28th: departure from Briansk to Moscow, St-Petersburg or another city.

**CONFERENCE FEE:**

The preliminary conference fee is **500** euro.

The fee includes:

- Accommodation & meals;
- Transfer;
- Conference dinner;
- Book of abstracts + excursions guidebook;
- Excursions (scientific + cultural)

Procedure of the payment of the conference fee as well as deadline for payment will be given in the second circular.

**DEADLINES:**

January 2022 – First circular. Registration. We kindly ask to send us the registration forms at March 15.

May 1 st 2022 – deadline for abstracts.

End of May 2022 – Second circular (with preliminary programme).

July 2022 – Third circular (with a definitive programme).

**CONFERENCE PROCEEDINGS:**

A book of abstracts will be compiled before the conference and distributed to participants when they arrive. A volume of Conference Proceedings is planned. It will be published as a Special Issue of Quaternary International. The Organizing Committee will invite authors to contribute to this volume.



**OFFICIAL LETTER OF INVITATION**

For attendees who need invitation letters (visas etc.) please contact the organizers to receive the necessary documentation.

**FOR FURTHER INFORMATION. PLEASE, CONTACT:**

Nataliya Zaretskaya, Institute of Geography, Russian Academy of Sciences, Moscow, Russia  
seqs2022@igras.ru

**REGISTRATION FORM**

*EAST EUROPEAN PALAEOLITHIC SEQUENCES:  
STRATIGRAPHY, GEOMORHOLOGY, CHRONOLOGY, PALAEOENVIRONMENT*  
21 -- 28 August, 2022

	<input type="checkbox"/> Mr.	<input type="checkbox"/> Mrs.
<b>Name</b>		
<b>First Name</b>		
<b>Institution</b>		
<b>Department</b>		
<b>Address</b>		
<b>Code area / City</b>		
<b>Country</b>		
<b>E-mail address</b>		
<b>Phone</b>		
<b>Fax</b>		
<b>Presentation</b>	<input type="checkbox"/> oral	<input type="checkbox"/> poster
<b>Author (s) and Title of presentation</b>		
<b>Full conference trip</b>		
<b>Reduced conference trip</b>		

**I intend to contribute to the Proceedings Volume** (special issue of Quaternary International)

Signature

Date

**Payment of Conference and Field trip Fees:**

Procedure of the payment of the conference fees as well as deadline for payment for the Conference and the Field trips will be given in the second circular.

**Please, send the registration form to**

seqs2022@igras.ru

Ksenia Filippova and Nataliya Zaretskaya, Institute of Geography, Russian Academy of Sciences, Moscow, Russia



An example for abstract:

**THE NORTH SEA-BARENTS SEA SEAWAY AND THE NORTHWEST EUROPEAN CLIMATE IN THE EEMIAN - MOLLUSCS AND ENVIRONMENTAL IMPLICATIONS**

----Free line---

Svend FUNDER, Geological Museum, University of Copenhagen, Ostervoldgade 5-7, DK-1350 Copenhagen K, Denmark. *E-mail: mail@email.*

Igor DEMIDOV, Karelian Research Centre, Russian Academy of Science, Petrozavodsk, 185610 Russia

----Free line---

During the Eemian/Mikhulinian a more than one hundred kilometre wide seaway existed from the southern North Sea through Schleswig-Holstein, the Baltic, Karelia and northwards to the White Sea-Barents Sea (fig. 1).

Previous publications, especially in Russian, have discussed the oceanographic implications of this feature, which has had no parallel in the Holocene. Questions such as was energy transported to/from the Atlantic and the Arctic Ocean along this route, and did it influence the NW European, climate are extremely important.

Marine sediments with mollusc faunas from this seaway are best exposed in southern Denmark and northern Russia, but known also from smaller exposures and numerous borings between these areas. Pollen studies of the marine sediments indicate that they are of the same age, spanning the interval from the *Pinus-Quercus* zone and at least into the *Carpinus* zone. However, comparison of the faunas evokes a complex and apparently contradictory picture of the seaway's hydrography. At its two ends, in the south-western Baltic and northern Russia, conditions were considerably warmer than now, and saline waters penetrated far into the Baltic and into the North Russian river basins. However, in the middle, in the 'Karelian passage' from the Gulf of Finland to northern Lake Onega, faunas indicate cold and low-saline water (tab. 1).

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Table 1. Name of the Table 1.

	Gulf of Finland	Lake Onega
Fauna1	present	absent
Fauna2	present	present

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These steep heat and salinity gradients are difficult to reconcile with water exchange through the Karelian passage. As a tentative solution to the problem we suggest that the connection over the narrow continental water divide to the north of Lake Onega functioned only for a short period, probably at the time of rapid eustatic sea-level rise in the early Eemian. During the main part of the Eemian, the Karelian passage was probably not a passage but an oceanographic cul-de-sac extending from the Gulf of Finland to northern Lake Onega, as a parallel to the Gulf of Bothnia. The climatic significance of the extensive marine [Miller et al., 1996] cover would then have been mainly as an oceanic heat/cold reservoir, lending an oceanic aspect to the climate in adjacent land areas. Alternatively, the faunas of the Karelian passage could be interpreted to show that a cold southward going undercurrent compensated for a warm northward directed surface current.

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Fig. 1. (fig1.tif) The exploration region map.



## ***FINANCIAL SUPPORT***

Financial support by INQUA SACCOM Working Group SEQS-DATESTRA for PhD students, Early Career Researchers and DCR will be available depending upon the number of requests. Contact Pierluigi Pieruccini ([pierluigi.pieruccini@unito.it](mailto:pierluigi.pieruccini@unito.it))

## GRANT APPLICATION FORM

**Send to** [pierluigi.pieruccini@unito.it](mailto:pierluigi.pieruccini@unito.it); [markus.fiebig@boku.ac.at](mailto:markus.fiebig@boku.ac.at); [guzel59@mail.ru](mailto:guzel59@mail.ru) **before 1<sup>st</sup> of June 2022.**

Dear colleagues,

INQUA provides the possibility for limited financial support to the SEQS activity in 2021 related to DATESTRA Project (*Database of Terrestrial European Stratigraphy*).

The support concerns only (a part of) travel-accommodation costs or registration costs and is primarily meant for PhD students, Early Career Researcher (ECR, less than 8 years PhD) and DCR Researchers.

If you want to make use of this opportunity for the 2022 meeting in Russia you can ask for support by sending the application form to the SEQS' board:

**There is no guarantee that all costs can be covered by the INQUA grant.**

Funding through any of the categories of INQUA grant may be used for participation (travel, accommodation and subsistence) of researchers in meetings organised through the Project or Conference. **Reimbursement will be done after submission of electronic and original copies of receipts and regular bills certifying the expenses** (i.e. flight ticket and boarding pass; receipts for hotel or other accommodation; receipts for meals, excluding alcohol drinks; receipts for conference fees, etc...). In fact, the original receipts (incl. boarding passes in the case of electronic tickets) must be submitted to provide an auditable record of INQUA support.

The grant will be released **only by Bank Transfer**, therefore you will be invited to provide a valid Bank Account Code for money transfer after the Meeting.

Finally, we ask you to indicate which part of the total costs can be covered by yourself or your institute.

Kind regards,

On behalf of SEQS Board

Pierluigi Pieruccini (secretary SEQS)



<i>Application form SEQS DATESTRA-2022 meeting, Russia</i>	
<b>Name, first name</b>	
<b>Institution</b>	
<b>Department</b>	
<b>Address</b>	
<b>Code area / City</b>	
<b>Country</b>	
<b>E-mail address</b>	
<b>Please, provide a provisional title of the contribution to SEQS DATESTRA 2021 Meeting indicating if poster or oral</b>	
<b>Costs: give a summary of the costs you have to make for the 2022 meeting in Russia, in EUR.</b>	
<b>Travel costs (€)</b>	
<b>Registration fee (€)</b>	
<b>Excursion (€)</b>	
<b>Accommodation/hotel/food (€)</b>	
<b>total(€)</b>	
<b>Percentage or amount (€) that can be covered by yourself or your institution</b>	

Signature

Date

