

THIRD CIRCULAR

International Field Symposium

“Glacials and interglacials of the Middle and Upper Pleistocene in central Poland”

INQUA PERIBALTIC WORKING GROUP MEETING 2026

June 28 – July 3, 2026, Łódź, central Poland

Conference overview

The upcoming Peribaltic Working Group conference and field symposium will be held between 28 June and 3 July in central Poland. The scientific session is scheduled for 29 June 2026 (Monday), followed by a field trip from 30 June to 3 July, covering areas in central Poland within the reach of the last and penultimate glaciations. This year, our conference will be attended by over 60 participants from 10 countries. Due to the long distances between the various field sites, we will be changing our accommodation. In keeping with the tradition of our meetings, the papers and posters presented cover a wide range of topics relating to the Quaternary. The oral presentations have been divided into four thematic sessions. Full details of our meeting are provided below.

Organizing Committee:

Robert Sokołowski, Małgorzata Frydrych, Joanna Petera-Zganiacz, Jacek Forysiak, Lucyna Wachecka-Kotkowska, Danuta Dzieduszyńska, Piotr Czubla, Paweł Zieliński, Joanna Rychel, Aleksandra Majecka

General conference programme:

28 June 2026 (Sunday)

19:00 - ice-breaker party and dinner - Training and Conference Centre of the University of Łódź

Accommodation: Łódź – Training and Conference Centre of the University of Łódź (Centrum szkoleniowo-konferencyjne Kopcińskiego) - <https://www.csk.uni.lodz.pl/centrum-szkoleniowo-konferencyjne-kopcinskiego>

29 June 2026 (Monday)

Official opening of the conference; oral and poster sessions

Accommodation: Łódź - Training and Conference Centre of the University of Łódź (Centrum szkoleniowo-konferencyjne Kopcińskiego)

30 June 2026 (Tuesday)

Field trip: geomorphology of the edge zone of Łódź Plateau; Geopark Owadów–Brzezinki (renowned for world-class palaeontological discoveries)

Accommodation: Spała - <http://www.karczmaspalska.pl/>

1 July 2026 (Wednesday)

Field trip: Szczerców Outcrop - Bełchatów Lignite Mine (one of the largest geological exposures of Quaternary in Central Europe); Ludwików pit (aeolian sediment site)

Accommodation: Spała - <http://www.karczmaspalska.pl/>

2 July 2026 (Thursday)

Field trip: Siedlątków site (Pleistocene glacial flood deposits); post-mining areas of the Adamów Lignite Mine - Głowy site

Accommodation: Mikorzyn - <https://hotelmikorzyn.pl/>

3 July 2026 (Friday)

Field trip: Tomisławice Outcrop – Konin Lignite Mine, medieval stronghold in Tum and the Warsaw-Berlin ice-marginal spillway

Closing of the conference in Łódź (approximately 18:00)

29 June 2026 (Monday) – details

8:30 – 9:00 – Registration in Collegium Geographicum (Faculty of Geographical Sciences, 31 Kopcińskiego Street)

9:00 – 9:30 – Opening ceremony and introduction lecture

9:30 – 10:45 – Glacial session

9:30 – 9:45 - **Elina Ahokangas**, Anna Lejzerowicz, Joni Mäkinen, Małgorzata Frydrych - Comparison of Finnish hard bed and Polish soft bed eskers based on GPR surveys

9:45 – 10:00 - **Adrian Hall**, Ingmar Bergstrom, Lars-Gunnar Jarl - Glacial erratic mega-blocks on the bed of the Fennoscandian Ice Sheet: origins, transport, and significance

10:00 – 10:15 - **Piotr Hermanowski**, Jan A. Piotrowski, Gustav Jungdal-Olesen, Vivi K. Pedersen, Jutta Winsemann, Runa Fälber - Mobility of subglacial till: ring-shear experiments and microstructural constraints

10:15 – 10:30 - **Kristaps Lamsters**, Edijs Breijers, Hugo Huberts Puriņš, Normunds Stivriņš, Kristaps Rendinieks, Izolde Ivanova, Aleksis R. Larionovs, Katrīna Landratova - Reconstructing palaeo-ice lobe dynamics in Latvia from the glacial landform record

10:30 – 10:45 - **Karol Tylmann**, Jan A. Piotrowski, Sarah L. Greenwood, Richard Gyllencreutz, Piotr Duda - 3D microtomography of till from the Baltic Sea floor: record of subglacial and ice-marginal processes?

10:45 – 11:15 – **coffee break**

11:15 – 12:30 – Stratigraphic session

11:15 – 11:30 - **Albertas Bitinas**, Michal Šujan, Aldona Damušytė, Vaida Šeirenė, Dalia Kisielienė - Revision of the Lithuanian Quaternary stratigraphic scheme, based on the latest geochronological data

11:30 – 11:45 - **Sanjaya Gurung**, Karol Tylmann, Vincent Rinterknecht, Andreas Börner, Olaf Juschus, Henrik Rother, Konrad Schubert, Piotr P. Woźniak - Surface exposure dating of Saalian erratic boulders with in-situ cosmogenic ^{10}Be and ^{26}Al at the southern periphery of the Fennoscandian Ice Sheet

11:45 – 12:00 - **Joanna Rychel**, Robert J. Sokołowski, Weronika Danel - Record of SIS dynamics in the relief of the Polish-Lithuanian border area in the Suwałki region (NE Poland)

12:00 – 12:15 - **Andrzej Wojtalak**, Robert J. Sokołowski, Piotr Moska, Alicja Ustrzycka, Grzegorz Poręba, Mateusz Kramkowski - ^{14}C -OSL chronology of the Warta River oxbow lakes generations in the Śrem Basin – central-western Poland

12:15 – 12:30 - **Wojciech Wysota**, Edyta Kalińska, Helena Alexanderson, Piotr Weckwerth, Marek Chabowski, Arkadiusz Krawiec, Agnieszka Noryśkiewicz, Joanna Mirosław-Grabowska, Joanna Martewicz, Mateusz Suwiński - New data on Weichselian ice advances in the Suwałki Lakeland, NE Poland

12:30 – 13:00 – coffee break

13:00 – 14:30 – Aeolian-periglacial session

13:00 – 13:15 - **Henrik Rother**, Jacob Wächter - Geological 3D modeling of the Quaternary in eastern central Germany (Saxony-Anhalt) using stacked lithofacies maps and borehole information

13:15 – 13:30 - **Szabolcs Ákos Fábrián**, Dárus Márk Szabadkai, György Sipos, Gábor Varga, Ákos Halmai, Éva Farics, Noémi Sarkadi, Beáta Farkas - Relict sand wedge-like polygonal structures at the southern edge of the Late Pleistocene periglacial zone in Hungary

13:30 – 13:45 - **Jakub Holuša**, Joel Roskin, Daniel Nývlt - The latest news on cold-climate dunes dynamics in the Vienna Basin, Central Europe

13:45 – 14:00 - **Beáta Farkas**, Szabolcs Ákos Fábrián - Sand wedges as important sedimentary archives in periglacial research

14:00 – 14:15 - **Dag Ottesen**, Mikis van Boeckel, Adrian Hall, Christine Batchelor, Jorg Lang - A Quaternary sediment budget for the North Sea Basin

14:15 – 14:30 - **Barbara Woronko**, Oleksandr Bonchkovskiy, Martyna E. Górka, Maria Łanczont, Maryna S. Komar - Provenance of MIS 4 Loess Inferred from Microtextural Analysis of Silt Grains: Evidence from Poland and Ukraine

14:30 – 15:30 – lunch break

15:30 – 16:30 – Palaeoenvironmental session

15:30 – 15:45 - Donatas Kaminskas, **Eugenija Rudnickaitė** - Pleistocene and Holocene Sediments Comparison Based on Geochemistry, Lithuania

15:45 – 16:00 - **Aleksandra Leszczyk**, Dmitry Tsvirko, Piotr Kittel, Daniel Okupny, Marta Rudna, Mirosław Makohonienko, Olga Antczak-Orlewska, Mateusz Płóciennik, Dominika Łuców, Monika Rzodkiewicz, Izabela Zawiska, Joanna Rennwanz, Agnieszka Halaś, Michał Słowiński, Michał Gąsiorowski, Łukasz Trzciński, Jerzy Sikora - Multiproxy analysis of biogenic cores from kettle holes and lake: case study from the Ostrowite archaeological complex (Northern Krajna Lakeland, N Poland)

16:00 – 16:15 - **Nick Schafstall**, Mingle Stančikaitė, Vaida Šeirienė - Coleoptera-based MCR temperature reconstructions of the Last Glacial termination in Lithuania

16:15 – 16:30 - Sławomir Kowalski, Olaf Juschus, **Andreas Börner**, Jaqueline Strahl, Elisabeth Endtmann, Małgorzata (Gosia) Pisarska-Jamroży - Groß Buchholz (Perleberg, Prignitz) — a remarkable series of Eemian to Early Weichselian sediments — first results

16:30 – 17:00 – **coffee break**

17:00 – 18:30 – **Poster session**

19:30 – Dinner in Dzielna 43 Restaurant (43 Narutowicza Street)

Presentations are scheduled for 12 minutes, followed by 3 minutes for discussion. We would appreciate it if you could prepare your presentation to fit within the allotted time.

Posters:

1. Marie Brožová, Daniel Nývlt, Regis Braucher, ASTER Team - Spatial and temporal reconstruction of an abandoned Vltava valley between Kralupy nad Vltavou and Roudnice nad Labem
2. Oleksiy Davydov, Iliya Buynevich, Oleksiy Roskos - Morphogenetic and lithological controls on the evolution of a paraglacial barrier spit: evidence from the Eidem Spit (Svalbard)
3. Oleksiy Davydov, Yuliia Shevchuk, Albertas Bitinas, Aldona Damušytė - Contemporary spatial differentiation of deglaciation of a polythermal glacier as a model for Late Pleistocene ice margin retreat (a case study of Eidembreen Glacier)
4. Małgorzata Frydrych, Anna Lejzerowicz - Morphologically undetected kettle hole (MUKH) in a Saalian esker near Tosie (Central Poland)
5. Jakub Holuša, Martin Kadlea, Daniel Nývlt - Origin of aeolian sand accumulations and evaluation of sediment fluxes in a meltwater-fed catchment on James Ross Island, Antarctica
6. Trinu Jairus, Alar Rosentau, Annabel Eensoo, Tiit Hang, Hannes Tõnisson, Ülo Suursaar - Late Holocene storminess and shoreline changes in the Harilaid Peninsula, Eastern Baltic Sea
7. Asta Jusiene - Plateau-like hills in the Vištytis Upland, SW Lithuania
8. Michael (Ede) Kenzler, Kay Krienke - Modelling of the Quaternary Subsurface: Workflow and Initial Results for a Pilot Area in Northern Germany
9. Grażyna Kluczynska - Cladocera-based reconstruction of Late-Glacial and Early Holocene environmental changes at Lake Velykoye (Belarus)

10. Bogusz Kulus - Quaternary calcareous sandstone from the Izbica profile (Central Poland) as a product of carbonate cementation in shallow groundwater under interglacial conditions
11. Joanna Petera-Zganiacz, Dorota Brzozowicz-Strojna, Tymoteusz Matera, Dominik Pawłowski, Mateusz Płóciennik, Sylwia Skoczylas-Śniaz - Reconstructing cold stage ecosystems in a Warta Valley: multi proxy insights from Warenka site
12. Wiktor Piech, Małgorzata Frydrych, Piotr Kittel - Lithodynamics and evolution of the sedimentary environment in the marginal zone of the last Fennoscandian (Valdai) Ice Sheet: The Serteyka River valley case study
13. Małgorzata Pisarska-Jamroży, Szymon Belzyt, Albertas Bitinas, Andreas Börner, Małgorzata Bronikowska, Aldona Damužytė, Tiit Hang, Heiko Hüneke, Asta Jusienė, Michael Kenzler, Māris Krievans, Kristaps Lamsters, Māris Nartišs, Karsten Obst, Niko Putkinen, Alar Rosentau, Henrik Rother, Anna Salwowska, Holger Steffen, Rebekka Steffen, Raimo Sutinen, Szymon Świątek, A.J. (Tom) van Loon, Barbara Woronko, Piotr P. Woźniak - Intraplate seismicity triggered by ice-sheet loading and unloading: insights from the Peribaltic region
14. Mateusz Płóciennik, Agata Wasiak, Aleksandra Sławska, Małgorzata Malkiewicz, Aleksandra Majecka, Dariusz Krzyszkowski, Dariusz Wieczorek, Lucyna Wachecka-Kotkowska - Middle Pleistocene climate and lake ecology in Central Poland inferred from palaeobotanical and Chironomidae evidence
15. Mateusz Płóciennik, Patrycja Jankowska, Violeta Berlajolli, Sylwia Łukawska, Jacek Forysiak - Warmth or chill? New insights into Late Weichselian summer conditions in the Polish Lowlands
16. Agnieszka Pocięcha, Edyta Zawisza, Elżbieta Worobiec, Grzegorz Worobiec - Cladocera communities from the Miocene (Bełchatów, Central Poland)
17. Pertti Sarala, Bolster, S., Gupto, S., Hietula, V.-A., Keränen, S.a, Järvinen, J., Lyytikäinen, J. - Portable analysis method for analysing very low concentrations of gold
18. Pertti Sarala, Pauliina Liwata-Kenttälä, Tiina M. Nieminen, Liisa Ukonmaanaho - Existence and environmental effect of black shales in glaciated terrain in the Oulu region, northern Finland
19. Dáriuš Márk Szabadkai, Noémi Sarkadi, Beáta Farkas, Szabolcs Ákos Fábián - Spatial distribution and morphometry of polygonal crop marks in the lowlands of the Pannonian Basin, NW Hungary
20. Margarita Zalinian, Jerzy Sikora, Sascha Scherer, Sabine Fiedler, Annemarie Susanne Bach, Karolina Leszczynska, Daniel Okupny, Alexandra Golyeva, Renata Stachowicz-Rybka, Magdalena Moskal-del Hoyo, Wojciech Toloczko, Daniel Makowiecki, Lukasz Trzcinski, Piotr Kittel - Archaeological Layers as Archives of Human–Soil Interactions: A Multiproxy Study from Northern Poland
21. Marta Rudna, Marta Wojewódka-Przybył, Jacek Forysiak - Reconstruction of abrupt climate changes at the Late Glacial–Holocene transition based on Cladocera from two peatlands in central Poland

22. Przemysław Mroczek, Robert J. Sokołowski, Paweł Zieliński, Piotr Moska, Marcin Krawczyk, Michał Łopuch, Jacek Skurzyński, Jerzy Raczyk, Grzegorz Poręba, Natalia Piotrowska, Zdzisław Jary, Alicja Ustrzycka, Andrzej Wojtalak, Agnieszka Szymak, Konrad Tudyka, Grzegorz Adamiec - High-resolution grain-size variability within a Late Glacial inland dune foreset at Przyłubie, Toruń Basin, Poland
23. Zdzisław Jary, Marcin Krawczyk, Michał Łopuch, Jerzy Raczyk, Jacek Skurzyński, Zuzanna Sowińska - From Deflation to Deposition: Ice-Margin Retreat Drives Spatial Inversion of Loess Systems in Southwestern Poland
24. Vaida Šeirienė, Grażyna Kluczynska, Neringa Gastevičienė - Environmental changes during the Late Glacial and Early Holocene transition revealed by palaeolimnological record from southern Lithuania
25. Mirosław Błaszkiwicz - Postglacial lake formation and permafrost evolution in the Central European Lowland at the end of the last glaciation
26. Dominik Witkowski, Artur Teodorski - Directions of glacial transgression in the frontal zone of the ice sheet during the Saalian Glaciation (MIS 6) in the north-western foothills of the Holy Cross Mountains – preliminary results

Posters should be prepared in B1 format (70 × 100 cm) in vertical (portrait) orientation. Please ensure that all text, figures, and maps are clearly legible from a distance.

Travel information and venue:

The conference will start and end in **Łódź**, a centrally located city in Poland with very good transport connections. Łódź is easily accessible by train and FlixBus from major Polish and European cities. There are also convenient connections from Warsaw airport (Chopin Airport) to Łódź. There is also an airport in Łódź – Łódź Władysław Reymont Airport (LCJ).

The **Faculty of Geographical Sciences, University of Łódź**, where the first day of the conference will be held, as well as the Training and Conference Centre of the University of Łódź (accommodation site), are both located within a short walking distance from the Łódź Fabryczna Railway Station.

Participants arriving by car are kindly informed that on 30 June we will leave Łódź and return on 3 July, and during this time, we will not be in the vicinity of the city. During the field trip, it will be possible to leave your car in the parking area in Łódź. However, we kindly ask you to inform us in advance and provide the vehicle registration number.

Contact information:

For any questions or further information, please contact Małgorzata Frydrych (malgorzata.frydrych@geo.uni.lodz.pl).