



Programme of section Geology, Geophysics & Palaeoecology, 9th-10th February 2023

Link to the event for both days: bbb.lu.lv/b/nor-yo3-bkc-m6j

| 9.02.2023 THURSDAY | | |
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| Geophysics. Chair: Normunds Stivrins | | |
| Time (Latvian time zone; UTC+2) | Presenters | Title |
| 9:00-9:05 | Normunds Stivriņš | Opening words |
| 9:05-9:25 | Jānis Karušs* , Kristaps Lamsters , Jurijs Ješkins , Pēteris Džeriņš <i>*Department of Geology, University of Latvia, Latvia</i> | Structure of Qaanaaq ice cap outlet glaciers, NW Greenland |
| 9:25-9:45 | Kristina Kucinskaite* , Alireza Malehmir , Thomas Funck , Ulrik Gregersen , Lars Hjelm , Lars Nielsen , Myrto Papadopoulou , Michael Westgate , Samuel Zappalà <i>*Uppsala University, Sweden</i> | Novel land seismic studies for geological storage of CO ₂ in Denmark |
| 9:45-10:05 | Viesturs Zandersons* , Jānis Karušs <i>*Department of Geology, University of Latvia, Latvia</i> | Automatic seismic event detection in low- seismicity areas |
| 10:05-10:25 | Matīss Brants <i>*Department of Geology, University of Latvia, Latvia</i> | A geophysical model of Strenči magnetic anomaly |
| 10:25-10:45 | Kristina Kucinskaite* , Lars Nielsen <i>*Uppsala University, Sweden</i> | Application of seismic refraction tomography for karst imaging: a case study of two distinctive sinkholes in Latvia |
| 10:45-10:55 | Coffee break (10 min) | |
| Sedimentology. Chair: Jānis Karušs | | |
| 10:55-11:15 | Ģirts Stinkulis <i>Department of Geology, University of Latvia, Latvia</i> | Problematic vertical structures in the Šķervelis Formation (Uppermost Famennian to Mississippian) |
| 11:15-11:35 | Karina Apolinarska* , Liene Aunina , Mariusz Gałka , Rafał Kiełczewski , Magdalena Marzec , Krzysztof Pleskot <i>*Institute of Geology, Adam Mickiewicz University, Poland</i> | The temporal variability of the Holocene calcium carbonate deposition at alkaline fens in the young glacial area of central Europe (NE Poland and Latvia) |
| 11:35-11:55 | Inta Dimante-Deimantovica , Saija Saarni , Marta Barone , Normunds Stivrins* , Natālija Suhareva , Wojciech Tylmann , Alvise Vianello , Natalja Buhhalko , Jes Vollertsen <i>*Department of Geography, University of Latvia, Latvia</i> | Downward migrating microplastic in lake sediments is a tricky indicator for the onset of the Anthropocene |



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| 11:55-12:15 | Ilze Ozola* , Normunds Stivrins <i>*LVMI "SILAVA"</i> | Potential of paludicultures in forming new peat layers and capturing carbon |
| 12:15-13:15 | Lunch break (60 min) | |
| Palaeoecology. Chair: Normunds Stivrins | | |
| 13:15-13:35 | Liva Trasune* , Sakari Salonen , Frederik Schenk <i>*Department of Geosciences and Geography, University of Helsinki, Finland</i> | Indication of warm summers during Younger Dryas in Baltic States region |
| 13:35-13:55 | Gražyna Kluczynska* , Laura Gedminienė , Vladas Žulkus , Algirdas Girininkas , Tomas Rimkus , Linas Daugnora , Jolita Petkuvienė , Žana Skuratovič , Domas Uogintas , Miglė Stančikaitė <i>*Nature Research Centre, Lithuania</i> | Reconstruction of the Mid-to Late- Holocene paleoenvironment in the Eastern Baltic region (W Lithuania) based on multiproxy approach |
| 13:55-14:15 | Sabine Kreslina* , Normunds Stivrins <i>*Department of Geography, University of Latvia, Latvia</i> | First results on a Testate amoebae-based quantitative water reconstruction during the Late Holocene in Ķemeri bog, Latvia |
| 14:15-14:35 | Open discussion. Chair: Normunds Stivrins & Kristaps Lamsters | |



| 10.02.20 FRIDAY | | |
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| Palaeontology. Chair: Kristaps Lamsters | | |
| Time (Latvian time zone; UTC+2) | Presenters | Title |
| 9:00-9:20 | Ervīns Lukševičs* , Valters Alksnītis , Tatjana Visotina <i>*Department of Geology, University of Latvia, Latvia</i> | A Late Devonian sarcopterygian fish assemblage from the Pavāri-2 fossil locality, Latvia |
| 9:20-9:40 | Valters Alksnītis <i>Department of Geology, University of Latvia, Latvia</i> | Pathologies in the fish fossils from the Middle Devonian, Burtnieki Formation deposits of Estonia |
| 9:40-10:00 | Dmitry Plax , Ervīns Lukševičs* <i>*Department of Geology, University of Latvia, Latvia</i> | A new antiarch fish (Placodermi) from the Lower Devonian Vitebsk Formation of Belarus |
| Geomorphology. Chair: Normunds Stivrins | | |
| 10:00-10:20 | Kristaps Lamsters* , Inese Grīnbauma <i>*Department of Geography, University of Latvia, Latvia</i> | New data on surging phenomena of palaeo-ice lobes in Latvia |
| 10:20-10:40 | Karol Tylmann* , Damian Moskalewicz , Vincent Rinterknecht , Piotr Woźniak , Team ASTER <i>*Faculty of Oceanography and Geography, University of Gdansk, Poland</i> | Oscillations of the ice sheet front along the Gardno moraines in northern Poland: reconstruction inferred from landforms analysis and 10Be dating |
| 10:40-11:00 | Vytautas Minkevičius* , Simonas Danielius , Mikulėnas Vidas , Satkūnas Jonas <i>*Nature Research Centre, Lithuania</i> | Semi-automatic karst sinkhole detection from digital elevation or surface models |
| 11:00-11:10 | Coffee break (10 min) | |
| 11:10-11:30 | Juris Soms* , Dana Medne <i>*Daugavpils University, Latvia</i> | Morphology and granulometric characteristics of aeolian landforms in the Augšdaugava spillway valley |
| 11:30-11:50 | Małgorzata Frydrych <i>Department of Physical Geography, University of Łódź, Poland</i> | Morphology of Saalian eskers in Poland. |
| 11:50-12:10 | Grīnbauma Inese* , Tylmann Karol <i>*Faculty of Oceanography and Geography, University of Gdansk</i> | Submarine glacial landforms in the southern part of the Baltic sea basin |
| 12:10-13:10 | Lunch break (60 min) | |
| 13:10-13:30 | Laura Gedminienė* , Violeta Pukelytė <i>*Nature Research Centre, Lithuania</i> | Lithosedimentary and pollen-spore record changes through the transition from stadial to interstadial during Late Nemunas glaciation |



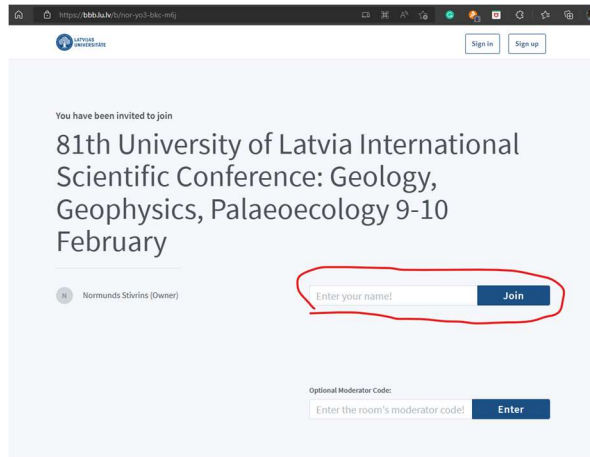
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| | | according to the research of Balbieriškis outcrop, south Lithuania. |
| 13:30-13:50 | Pēteris Džeriņš* , Jānis Karušs , Kristaps Lamsters , Jurijs Ješkins , Artūrs Ķelpe <i>*Department of Geology, University of Latvia, Latvia</i> | Investigation of buried karst sinkholes under bog using GPR and ERT methods |
| 13:50-14:10 | Ivars Strautnieks* , Laimdota Kalniņa , Anna Batraga , Ineta Grīne <i>*Department of Geography, University of Latvia, Latvia</i> | Silakalni hilly massif, new data of genesis and geological structure |
| 14:10-14:30 | Open discussion and closing words. Chair: Normunds Stivrins & Kristaps Lamsters | |

Presentations should not be longer than 15 min (15 min presentation + 5 min for the questions).



Information about the BBB (BigBlueButton) online conference platform:

After opening a link to the event (bbb.lu.lv/b/nor-yo3-bkc-m6j), you shall write your name and surname before joining the venue:



Further you will be let into the room. Presenters should be aware that at first you will not see the option (icons at the bottom of screen) to share your screen, but do not worry because curator of the event will add to you a presenter permit (new icon at the bottom will appear allowing to share your screen) right before your presentation.

