

## Editorial: The 3<sup>rd</sup> PalaeoArc 2022 Conference in Finland

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Figure 1. A group photo of the 3<sup>rd</sup> PalaeoArc 2022 Conference participants in the front of Arktikum house, Rovaniemi.

The 3<sup>rd</sup> PalaeoArc Conference was held in Rovaniemi, Finland on 23–26 August 2022. It gathered 35 Quaternary geologists and scientists from 10 countries together (Fig. 1) to network and discuss the topics related to past environmental processes and changes in the Arctic. This helps to understand the present and future development in the Northern Hemisphere.

PalaeoArc (<http://www.palaeoarc.no/>) is an international network research programme which

is organizing annual meetings for the Quaternary researchers interested in different disciplines in the Arctic science. The scientific goal of this six-year programme is to understand and explain the climatically-induced environmental changes in the Arctic that have taken place throughout the Quaternary and continue in the present-day. There are four major themes to the programme: 1) the dynamics of Arctic ice sheets, ice shelves and glaciers; 2) the dynamics of high latitude

oceans and sea ice; 3) the dynamics of the terrestrial environment and landscape evolution; and 4), the climatic response to, and interaction between, these different parts of the Arctic system. The underlying rationale of the PalaeoArc programme is that knowledge of past environmental processes and change in the Arctic are key to understanding the present and future of the Arctic, and vice versa.

The conference in 2022 was organized in the Arktikum house in the centre of Rovaniemi town, and it included technical sessions for oral and poster presentations on 23<sup>rd</sup> and 25–26<sup>th</sup> August. In addition, there was a one-day middle-conference's excursion on 25<sup>th</sup> Aug in Rovaniemi and its surrounding areas (Sarala & Lunkka 2022). The programme was completed by the students' pre-Field course from Rovaniemi to the south-west, Tervola-Tornio area.

The technical session included 26 oral presentations and 6 posters (Immonen & Sarala 2022). Based on the presentations the authors were possible to offer full manuscripts to be published in *Bulletin of the Geological Society of Finland*, and in this volume three of those are published. Six volunteers have helped in reviewing the manuscripts and we want to express our warmest thanks to all of them.

## References

- Immonen, N. & Sarala, P. (eds.), 2022. Abstracts of the 3rd PalaeoArc Conference, Rovaniemi, 23–26 August 2022. *Res Terrae, Ser. A, No. 44*, Oulu, 78 p.
- Sarala, P. & Lunkka, J.P., 2022. Glacial geological field course in the central part of the Fennoscandian ice sheet: Field course guide. The 3rd PalaeoArc Conference in Finland, 21–22 August 2022. *Res Terrae, Ser. A, No. 45*, Oulu, 31 p.