

3<sup>rd</sup> International Conference

# Polar Climate and Environmental Change in the Last Millennium

September 24-26, 2020, Toruń, Poland



## INVITATION

You are warmly invited to participate in the 3rd International Conference on 'Polar Climate and Environmental Change in the Last Millennium', to be held in Toruń, Poland, **24-26 September 2020**. The aim of the conference is to present scientific achievements and to identify gaps in the field of the historical climatology of the polar regions based on early meteorological observations, history, dendroclimatology, paleolimnology, geophysics, geomorphology and other sources.

Scan and share the info with Polar Friends:



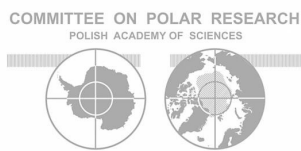
## Important dates

15 October 2019	1 <sup>st</sup> Circular
15 November 2019	Registration open
15 May 2020	Registration close
31 May 2020	Abstract submission deadline
31 May 2020	Conference fee deadline
31 August 2020	2 <sup>nd</sup> Circular
24-26 September 2020	Welcome to Toruń

## Scientific committee

- Prof. Dr. Stefan Brönnimann, Switzerland
- Prof. Dr. Klaus Dethloff, Germany
- Prof. Dr. Piotr Głowacki, Poland
- Prof. Dr. Jari Haapala, Finland
- Dr. Ketil Isaksen, Norway
- Prof. Dr. Jacek Jania, Poland
- Prof. Dr. Krzysztof Migala, Poland
- Prof. Dr. Tadeusz Niedźwiedz, Poland
- Prof. Dr. Rajmund Przybylak, Poland
- Dr. Willem G.M. van der Bilt, Norway
- Prof. Dr. Wiesław Ziąja, Poland

The conference is supported by the [Polish Geophysical Society](#), the [Committee on Polar Research](#) of the Polish Academy of Sciences and the [Polish Polar Consortium](#)



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## Keynote speakers

Prof. Dr. **Stefan Brönnimann**, University of Bern, Institute of Geography, Climatology Unit, Switzerland. Research interests: *reconstruction of weather and climate during past ca. 400 years; combination of early instrumental data, proxies and climate models; climate dynamics and large-scale variability; interannual-to-dacadal variability of atmospheric circulation; historical climatology; effects of volcanic eruptions on climate; climate and society interactions*

Prof. Dr. **Klaus Dethloff**, Alfred Wegener Institute, Atmospheric Physics Section, Potsdam, Germany. Research interests: *climate change, atmospheric physics, meteorology, climate modeling, climatology, atmospheric modeling, atmospheric aerosols, sea ice*

Prof. Dr. **Jari Haapala**, Finnish Meteorological Institute, Marine Research Unit, Helsinki, Finland. Research interests: *physical oceanography; climate variability and change; development of numerical models and sea ice dynamics research*

Dr. **Ketil Isaksen**, Norwegian Meteorological Institute, Division for Model and Climate Analysis, Oslo, Norway. Research interests: *climate change; climate variability; permafrost and mountain climate; soil temperature and permafrost propagation; impact of climate change and extreme weather on permafrost, snow, natural hazards and*

Dr. **Willem G.M. van der Bilt**, University of Bergen, Department of Earth Science, Norway. Research interests: *paleoclimate, holocene, biomarkers, sedimentology, limnology, Arctic, Southern Ocean*

Prof. Dr. **Wiesław Ziaja**, Jagiellonian University, Faculty of Geography and Geology, Department of Physical Geography, Kraków, Poland. Research interests: *geocomplexes and geosystems; diversity and functioning of the natural environment; ecology and landscape protection; geographical determinants of nature protection*

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## Proposed sessions

- **Session 1: Modelling of polar climate**

Keynote talk: **Dethloff K.**, Handorf D., Jaiser R., Romanowsky E., Köhler R. *Atmospheric mechanisms for Arctic-midlatitude linkages in Reanalysis data and weather- and climate models*

- **Session 2: Glaciers and sea-ice history**

Keynote talk: **Haapala J.** *Arctic sea ice changes - from quiet to more dynamical regime*

- **Session 3: Dynamic of permafrost**

Keynote talk: **Isaksen K.** *Past and recent changes in permafrost characteristics and ground temperatures in the Arctic*

- **Session 4: Marine and land ecosystems**

Keynote talk: **Ziaja W.** *Land loss and sea transgression due to recession of Arctic glaciers under contemporary climate warming*

- **Session 5: Polar climate changes - instrumental observations**

Keynote talk: **Brönnimann S.**, Brugnara Y., Lundstad E. *Historical climate observations for the past 300 years*

- **Session 6: Reconstruction of polar climate and environment**

Keynote talk: **van der Bilt W. G. M.**, Born A., Haaga K. A. *Was Common Era glacier expansion in the Arctic Atlantic region triggered by unforced atmospheric cooling?*

**More details** concerning: registration, fees, venue and accommodation, abstract submission, guidelines for oral and poster presentations, programme etc. can be found on the conference website <https://polarclimate2020.umk.pl>

Looking forward to seeing You in Toruń, which its Medieval Town is on the [UNESCO World Heritage List](#)

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