

3<sup>rd</sup> International Conference

# Polar Climate and Environmental Change in the Last Millennium

November 23-25, 2020, Toruń, Poland



## COVID-19 INFORMATION

Dear polarclimate2020 Friends,

We are sorry to announce that the 3rd International Conference on **'Polar Climate and Environmental Change in the Last Millennium'** that was planned for 24-26 September 2020 has been rescheduled for **23-25 November 2020**.

Furthermore, Important dates were also postponed.

Our decision was made in response to concerns about international and domestic travel expressed by many of you, as well as the need to protect attendees in high-risk categories. Our decision was also guided by Nicolaus Copernicus University COVID-19 policies.

Stay safe and healthy.

polarclimate2020 Committee

### Important dates

15 October 2019	1st Circular
15 November 2019	Registration open
15 June 2020	2nd Circular
30 September 2020	Registration and abstract submission deadline for <a href="#">financial support</a>
15 October 2020	Conference grantees notification
15 October 2020	Registration close
31 October 2020	Abstract submission deadline
31 October 2020	Conference fee deadline
<del>24-26 September 2020</del>	<del>Welcome to Toruń</del>
23-25 November 2020	Welcome to Toruń

The conference is supported by the [Ministry of Science and Higher Education, Republic of Poland](#), the [International Arctic Science Committee](#), the [Polish Geophysical Society](#), the [Committee on Polar Research](#) of the Polish Academy of Sciences and the [Polish Polar Consortium](#)

<https://polarclimate2020.umk.pl>



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## Financial support

We are proud to announce that we have received a subsidy from the **Ministry of Science and Higher Education, Republic of Poland**, the **International Arctic Science Committee** for the financial support of **Students, PhD students and Early Carrer Scientists (ECSs\*)** to participate in the conference.

Financial support includes **conference fee and/or accommodation** during the conference. Up to 10 conference grants are foreseen.

Above-mentioned researchers who would like to apply for financial support are obliged to:

1. Register
2. Submit the abstract - abstract submission deadline for conference grants is on **30 September 2020**

Financial support will be granted to researchers who will be chosen by the scientific committee on the basis of the best abstracts that fulfil the scope of the conference.

Grantees will be notified by **15 October 2020**.

\* - ECSs are considered young researchers who have completed their PhD up to 7 years before the year of this conference

**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

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

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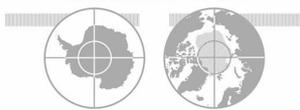
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## Scientific committee

- 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 Migąła, Poland
- Prof. Dr. Tadeusz Niedźwiedź, Poland
- Prof. Dr. Rajmund Przybylak, Poland
- Dr. Willem G.M. van der Bilt, Norway
- Prof. Dr. Wiesław Ziąja, Poland

## Organizing committee

- Prof. Dr. Rajmund Przybylak - Chair
- Dr. Andrzej Arażny - Secretary
- Dr. Przemysław Wyszyński - Secretary
- Dr. Joanna Uscka-Kowalkowska - Member
- Dr. Aleksandra Pospieszyska - Member
- M.Sc. Tomasz Siekierski - Member



Meeting of the organizing committee on 17 April 2020

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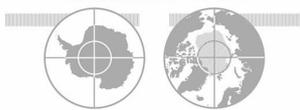


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## Keynote speakers

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-decadal 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 Ziąja**, 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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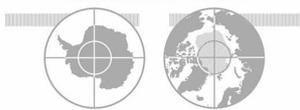
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## Proposed sessions

- **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?*

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