

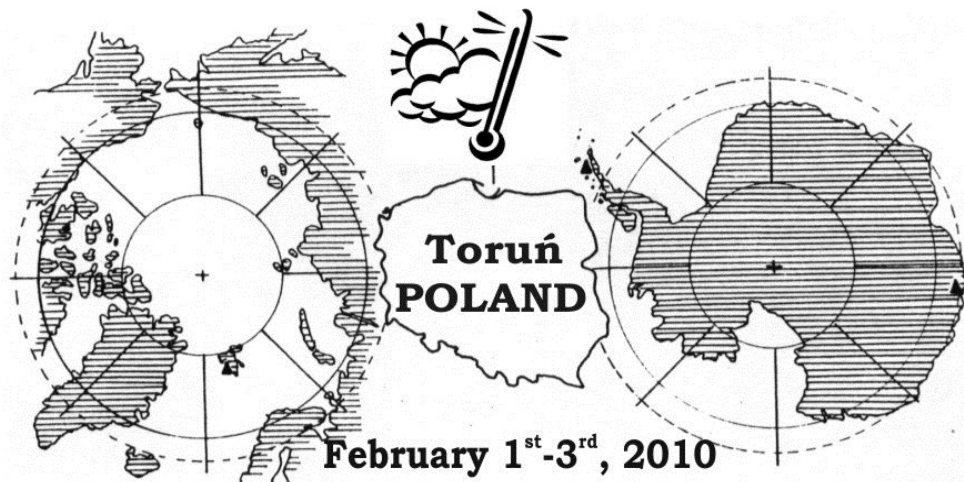


PAN



International Conference

***Polar Climate and Environmental
Change in the Last Millennium***



PROGRAM

1st-3rd February 2010

**Nicolaus Copernicus University
Hotel Uniwersytecki,
Szosa Chełmińska 83a, Toruń, POLAND**

Organisers

Department of Climatology, Institute of Geography,
Nicolaus Copernicus University, Toruń
Polish Society of Geophysics, Pomorski Branch
Committee on Polar Research, Polish Academy of Sciences

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Dr. Piotr Głowacki	Dr. Jacek Majorowicz
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Przemysław Wszyński, M.Sc. (Members)

MONDAY, 1.02.2010

10:00-10:15 OPENING ADDRESS

10:15-11:00 **Kevin Wood, James Overland, Trausti Jónsson, Brian Smoliak:** *North Atlantic climate variations since 1802*

11:00-11:45 **Øyvind Nordli, Rasmus Benestad, Inger Hanssen-Bauer, Ketil Isaksen:** *One hundred years of Norwegian meteorological observations on Svalbard. What have we learned?*

11:45-12:00 DISCUSSION

12:00-12:30 COFFEE AND TEA BREAK

12:30-13:15 **Jacek Jania:** *Climatic signal filtered by glaciers. How Spitsbergen glaciers can reflect climate changes over centuries.*

13:15-14:00 **Vladimir Romanovsky:** *Permafrost in Transition: State and Fate of Permafrost in Northern Hemisphere*

14:00-14:15 DISCUSSION

14:15-16:00 BREAK FOR LUNCH

16:00-16:20 **Tadeusz Niedźwiedź:** *Variability of circulation types and indices above Spitsbergen (1950-2009)*

16:20-16:40 **Michał Marosz:** *Regime shifts in Arctic Oscillation (AO) variability 1951-2009*

16:40-17:00 **Ewa Łupikasza:** *Precipitation types in relation to atmospheric circulation – long-term variability in Hornsund (Spitsbergen)*

17:00-17:15 DISCUSSION

17:15-17:30 COFFEE AND TEA BREAK

17:30-18:30 **POSTER SESSIONS**

A. Arażny: *Biometeorological conditions in the Arctic during the First International Polar Year 1882/83*

A. Bernardova: *Multi-proxy study of a periodical lake in central Svalbard – Petuniabukta*

M. Ćmielewski: *Changes in the ice regime of Siberian rivers*

M. Górzyńska, *Changes in range of Vatnajökull icecap (Iceland), based on Landsat imagery, 1991 – 1999*

- B.P. Ilyashuk, M. van Hardenbroek, O. Heiri, A.F. Lotter:** *Climate variability in the Siberian Arctic over the past millennium: chironomid-based inferences from NE Yakutia*
- J. Jankowska:** *Air temperature changes in Svalbard from 1861 to 1920*
- M. Król:** *Recent changes of tidewater glaciers in the Forlandsundet region (Svalbard)*
- K. R. Lankauf, I. Sobota:** *Recession of Kaffiøyra Region glaciers in XX and XXI century, Svalbard.*
- R. Maszewski:** *Variability of total and solid precipitation in the Canadian and Norwegian Arctic in period 1951-2005.*
- T. Opel, D. Fritzsche, H. Meyer:** *Late Holocene climate and environmental change in the Western Eurasian Arctic – evidence from Akademii Nauk ice core (Severnaya Zemlya)*
- K. Siwek, P. Zagórski, A. Gluza, G. Gajek:** *The amount of energy absorbed in deglaciation areas during 1936-2008 on the example of Scott and Renard glaciers (W Spitsbergen)*
- B. Sternal, W. Szczuciński, M. Forwick, M. Zajaczkowski, S. Lorenc:** *Variability of sedimentation and near-bottom currents in a zone of the oceanic Polar Front on the SW Svalbard shelf during the last ~14,000 years*
- O. Strunecky:** *Bipolar biogeography of cyanobacterial taxon Phormidium sp.*

19:30 – **DINNER**

TUESDAY, 2.02.2010

- 9:30-9:50 **Witold Szczuciński, Wojciech Majewski, Marek Zajaczkowski:** *Last millenium paleoceanographic record in Hornsund fjord, Svalbard*
- 9:50-10:10 **Elwira Sienkiewicz, Michał Gąsiorowski, Zdzisław Jary, Piotr Owczarek, Krzysztof Migala:** *Late Holocene paleoenvironmental changes of nonglaciated area in the light of lacustrine sediments analysis from Rev Lake, SW Spitsbergen*
- 10:10-10:30 **Piotr Owczarek, Krzysztof Migala:** *Salix polaris (Wahlenb.): its potential in dendroclimatological research in the Arctic area*
- 10:30-10:50 **Bartłomiej Luks, Renata Romanowicz, Marzena Osuch:** *Application of Dynamic Harmonic Regression to analysis of Vostok Ice Core temperature data*
- 10:50-11:05 DISCUSSION

11:05-11:35 COFFEE AND TEA BREAK

11:35-11:55 **Zsuzsanna Vizi, Rajmund Przybylak, Przemysław Wyszyński, Joanna Jankowska:** *Database of Early Instrumental Meteorological Observations for Arctic Regions*

11:55-12:15 **Rajmund Przybylak, Zsuzsanna Vizi, Przemysław Wyszyński, Joanna Jankowska** *Early-instrumental observations of atmospheric pressure in the Arctic – sources and results*

12:15-12:35 **Zsuzsanna Vizi, Rajmund Przybylak:** *Atmospheric Pressure in the American Arctic in the 19th Century*

12:35-12:55 **Przemysław Wyszyński:** *Anemological conditions in the Arctic during the First International Polar Year 1882/83*

12:55-13:10 DISCUSSION

13:10-15:00 BREAK FOR LUNCH

15:00-15:20 **Marek Grześ, Michał Król, Ireneusz Sobota, Marcin Ćmielewski:** *The history of glaciation and deglaciation of St. Jonsfjorden area, Svalbard.*

15:20-15:40 **Grzegorz Rachlewicz, Witold Szczuciński, Marek Ewertowski:** *Changes of glaciers extents in Billefjorden, Svalbard since Little Ice Age and their geomorphological consequences*

15:40-16:00 **Grzegorz Rachlewicz, Witold Szczuciński:** *Seasonal, annual and decadal ice mass balance changes in the ice cave Jaskinia Lodowa w Ciemniaku, the Tatra Mountains, Poland*

16:00 – 16:15 DISCUSSION

18:00 **SOCIAL GATHERING WITH TESTING OF POLISH CUISINE SPECIALITIES**

WEDNESDAY, 3.02.2010

10:00-13:00 **SIGHTSEEING TOUR IN THE TORUN OLD TOWN WITH GOTHIC ARCHITECTURE (UNESCO WORLD HERITAGE SITE) AND NICOLAUS COPERNICUS BIRTHPLACE (START: OLD TOWN – THE HOUSE OF N. COPERNICUS – KOPERNIKA STREET 15)**