



# INTERDISCIPLINARY POLAR STUDIES (IPS-2023)

## MODULAR MEETING:

### ARCTIC AMPLIFICATION – GLACIERS – ENVIRONMENT

Arctic - Svalbard - Longyearbyen - Hornsund/Isfjorden

**30 August – 4 September 2023**

**The event you can't miss!**

SCAN ME

SCAN ME



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<https://www.polarknow.us.edu.pl/ips-2022/>

**(A) 2 days: IPS-2023 scientific conference sessions /LONGYEARBYEN/**

**(B) 4 days: field workshop /HORNSUND & ISFJORDEN REGION**

photo: Derek Ignatiuk



A background image of a glacier with a white and blue color scheme. The glacier is shown in a close-up, with a white snow-covered surface and a blue crevasse. The image is slightly blurred, giving it a soft, ethereal appearance.

## ❖ What?

# **“Interdisciplinary Polar Studies (IPS-2023) Modular Meeting: Arctic Amplification-Glaciers-Environment”**

Conference in Longyearbyen & Field Workshop on board m/s „Horyzont II”

## ❖ Where and when?

- ❖ UNIS in Longyearbyen, Svalbard: 30 - 31 August 2023
- ❖ Hornsund and Isfjorden (m/s „Horyzont II”): 1 - 4 September 2023

**The meeting is a continuation of similar events organized in 2012 (on tidewater glaciers in Svalbard) and Interdisciplinary Polar Studies - 2015 (Svalbard) and 2017 (in Poland).**



# Interdisciplinary Polar Studies - 2023

UNIS - Longyearbyen



Where?

Petuniabukta  
Longyearbyen

Hornsund

SVALBARD

Polish Polar Station - Hornsund





# Why?

- ❖ The goal of the IPS-2023 is to strengthen the holistic approach in studying and better understanding of environmental changes and their implications due to the accelerated warming of the Arctic.
- ❖ Preparation of a new generation of scientists for creative involvement in the 5th International Polar Year 2032/2033 by broader participation in the Ocean Decade (2021-2030) and in the IASC ICARP IV (2025) process.
- ❖ Enhanced and coordinated monitoring of landscape and seascape evolution in Svalbard is needed for developed studies of mechanisms of interaction between glaciers and other components of the cryosphere.
- ❖ Identification of gaps, coordination of international efforts and unification of methods will be presented during the conference and discussed directly in the field.
- ❖ Strengthening of interdisciplinary and international cooperation of ECRs for better understanding of challenges in the warmer Arctic.



# How?

## TENTATIVE PROGRAMME:

### LONGYEARBYEN

**DAY 1:** PLENARY SESSION 1: *Amplification of Arctic Warming*, incl. invited lectures;

**DAY 2:** PLENARY SESSION 2: *Shrinking glaciers and thawing permafrost – Speedup of landscape and seascape changes* incl. invited lectures.

PLENARY SESSION 3: *Looking into the future – The IPY 2032-2033 challenge* - incl. invited lectures;

A brief session of discussions on the ICARP IV priority issues.

POSTER SESSION and exhibition during the first two days.

### FIELD WORKSHOP

**DAY 3 – DAY 6:** glaciology and permafrost, marine and terrestrial environment & ecosystems, hydrology, atmosphere and pollutants ISFJORDEN and BILLEJORDEN REGION & HORNSUND AREA FIELD WORKSHOP

*Expected number of participants: c. 40-60 for plenary sessions (6 invited keynote speakers)*

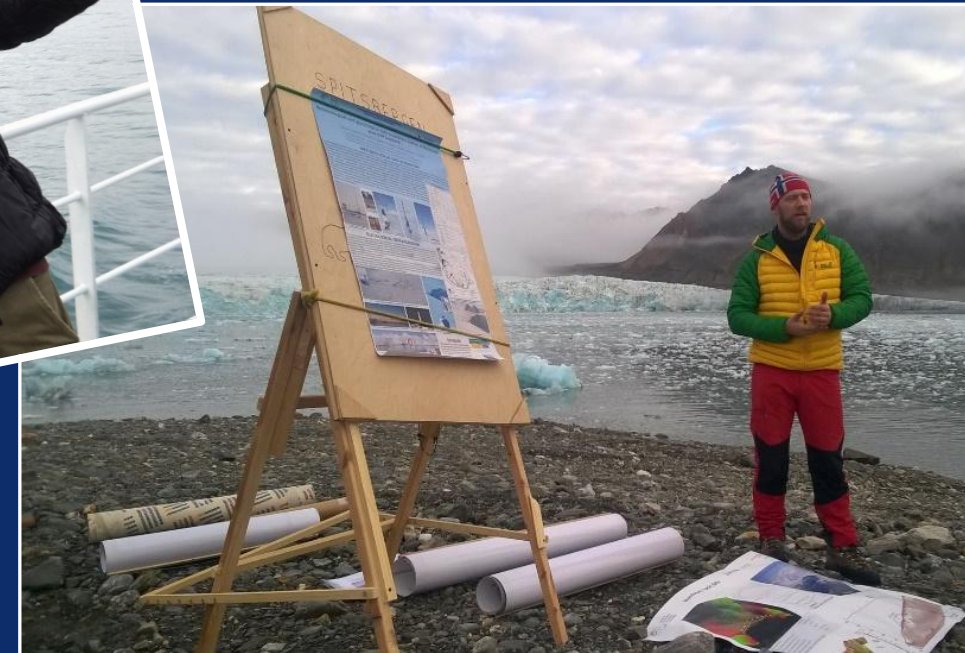
*c. 20 on board m/s Horyzont II for the field workshop*

### Participation fees:

250.- EUR for the conference & field workshop; 50.- EUR for plenary sessions and meetings in LYR only



**In 2015: 69 participants from 10 countries,  
*incl.* 45 PhD students and 11 invited speakers**



**IPS-2023  
How?**



# To what end?

Planned outcomes

## IPS-2023 General Report

Indication of gaps in knowledge and key directions in common planning of the 5th IPY 2032-2033 programme through the ICARP IV in 2025 preparatory process & joint SCAR-IASC Polar Conference in 2030.

INTEGRATING ARCTIC RESEARCH  
A ROADMAP FOR THE FUTURE



4th IPY  
legacy



5th IPY

Chapters for the SIOS State of the Environmental Science in Svalbard (SESS) Report

Outreach and wide media dissemination



# With whom?



Centre  
for Polar  
Studies



UNIVERSITY OF SILESIA  
IN KATOWICE



Institute of Geophysics  
Polish Academy of Sciences



POLISH POLAR  
CONSORTIUM



The University Centre in Svalbard

COMMITTEE ON POLAR RESEARCH  
POLISH ACADEMY OF SCIENCES



Ministry  
of Education  
and Science

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