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Principal Organizing Institutions**Time Table**

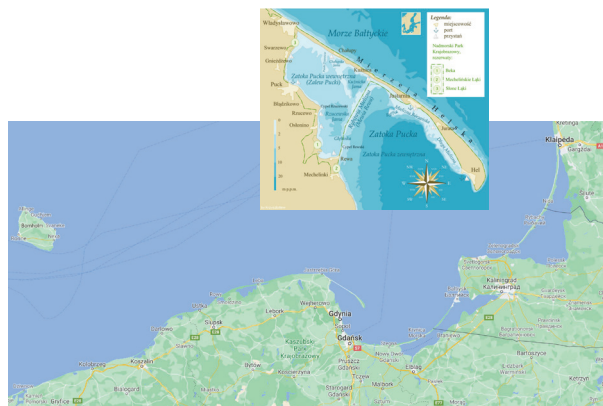
2 nd Announcement	November 2021
Abstract Submission	January 2022
Registration and Hotel Reservations	April 2022

Hotel Dom Zdrojowy
ul. Kościuszki 2a
84-140 Jastarnia, Poland



The conference takes place in the Hotel Dom Zdrojowy in Jastarnia in Puck County, Pomeranian Voivodship, Poland, located on the Hel Peninsula. The peninsula is a narrow sandy spit, separating the Bay of Puck, the western part of Gdansk Bay, from the Baltic Sea. Hel Peninsula with its two main towns Jastarnia and Hel is a holiday resort for the greater Gdynia-Sopot-Gdansk metropolitan region.

It can be reached from Gdansk central station and international airport by train, car and by boat during the summer months.

**Further Information:**

baltic.earth/hel2022

4th Baltic Earth Conference**Assessing the Baltic Sea Earth System**

Jastarnia
Hel Peninsula
Poland

30 May - 3 June 2022

First Announcement

Background

Baltic Earth strives to achieve an improved Earth System understanding of the Baltic Sea region as the basis for science-based management in the face of climatic, environmental and human impact in the region. Baltic Earth brings together a broad international research community around scientific issues relevant for societal efforts to achieve sustainability in the region. Baltic Earth targets the atmosphere, land and marine environment of the Baltic Sea, its drainage basin and nearby areas with relevance for the Baltic Sea region.

The completion of the Baltic Earth Assessment Reports (BEAR) marks the termination of the first phase, nine years after the launch of Baltic Earth. The BEARs provide a retrospect of Baltic Earth related research, current knowledge and knowledge gaps, and wrap up Baltic Earth activities.

The conference

The conference covers the topics of the Baltic Earth Assessment Reports (BEAR), which reflect the majority of Grand Challenges and research themes of Baltic Earth over the past nine years. Conference participants will present their research around these topics and are invited to discuss both Baltic Earth achievements and the way forward. The conference is intended as discussion forum for scientists, students, managers and other stakeholders. Conference language is English.



The sessions of this conference reflect the topics of the Baltic Earth Assessment Reports and other Baltic Earth topics. In discussing the different topics, we would like to include the perspectives from other marginal seas (like the neighboring North Sea, but also around the world). Contributions from other marginal seas shall help to evaluate the state of the regional Earth system (including human impacts) and management options in the Baltic Sea and elsewhere. Note that there may be modifications to the topics below in the final sessions.

- Salinity dynamics
- Biogeochemical functioning and development: From catchment to the open sea
- Natural hazards and extreme events
- Sea level dynamics and coastal erosion
- Human impacts and their interactions
- Sustainable management options
- Analysing and projecting past and future climate changes
- Comparing marginal seas around the world

A dedicated call for papers will be published in late 2021, specifying the scientific sessions with detailed descriptions. Results from any of the above topics are welcome, as well as contributions from related programmes. Invited and contributed papers will be presented in plenary and dedicated poster sessions. There will be a dedicated young scientist's event.



The Polish Baltic Sea coast is approximately 528 kilometres (328 mi) long and extends from Świnoujście on the islands of Usedom and Wolin in the west to Krynica Morska on the Vistula Spit in the east. For the most part, Poland has a smooth coastline, which has been shaped by the continual movement of sand by currents and winds. This continual erosion and deposition has formed cliffs, dunes, and spits, many of which have migrated landwards to close off former lagoons, such as Łebsko Lake in Słowiński National Park.

Hel Peninsula is a part of the Puck County of the Pomeranian Voivodeship, and located close to the metropolitan area of the Tricity: Gdynia, Sopot and Gdańsk, with more than 1 million inhabitants, for many of which it serves as a recreational refuge.



Credits: Front and back photos: Beata Szymczycha/Karol Kuliński; Inner photos courtesy <https://www.jastarnia.pl>; Inner left: M. Bizewski; inner centre: Marcin Jagiellicz; inner right top: Piotr Mądry; inner right bottom: Janina Wielowska. Large map: Google Maps. Small map: https://pl.wikipedia.org/wiki/Mierzeja_Helska#/media/Plik:Zatoka_Pucka_mapa_mini.png (CC BY-SA 3.0). Text fragments on location from Wikipedia. Produced and printed at Helmholtz-Zentrum Hereon.