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Principal Organizing Institutions



Centre for Materials and Coastal Research

Time Table

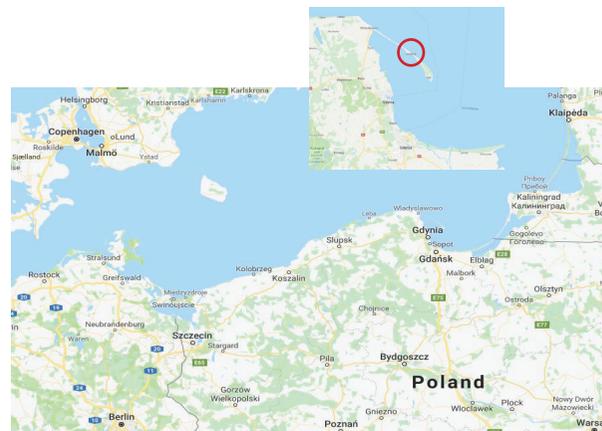
2 nd Announcement	November 2019
Abstract Submission	February 2020
Registration and Hotel Reservations	April 2020

**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/hel2020

3rd Baltic Earth Conference



**Earth system changes
and Baltic Sea coasts**



**Jastarnia
Hel Peninsula
Poland**

1 - 5 June 2020

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 core scientific issues identified as fundamental to informing 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 conference

The conference will cover the topics of Baltic Earth, in particular highlighting the Baltic Earth Grand Challenges as defined by the Baltic Earth Science Plan. The grand topic of the conference „Earth system changes and Baltic Sea coasts“ refers to the manifold aspects of the changing Earth system of the Baltic Sea region, in the atmosphere, on land and in the sea. Climate change and the associated sea level rise, but also other human activities puts a particular pressure on the coasts of the southern Baltic Sea, of which the Hel peninsula and the Polish coasts in general are exemplary. Land-sea interactions and human uses shape and modify the coasts all over the Baltic Sea.



The Baltic Earth Science Plan is organized along specific interdisciplinary research challenges which have been formulated by the Baltic Earth Science Steering Group. Additional topics are treated by dedicated Working Groups. The sessions of this conference will reflect these topics:

- Salinity dynamics in the Baltic Sea
- Land-Sea biogeochemical linkages
- Natural hazards and extreme events
- Sea level dynamics in the Baltic Sea
- Regional variability of water and energy exchanges
- Multiple drivers for regional Earth system changes
- Regional climate system modeling

A dedicated call for papers will be published in late 2019, specifying the scientific sessions. Results from any of these research fields and related to the overall theme of the conference are welcome, as well as contributions from related programmes. Invited and contributed papers will be presented in plenary along with parallel poster sessions.

The conference is also intended as discussion forum for scientists, managers and other stakeholders. Conference language is English.



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 Gdansk, with more than 1 million inhabitants, for many of which it serves as a recreational refuge.



Photos: Piotr Mądry (front, inner 3 top), Hotel Dom Zdrojowy, Jastarnia (back), M. Bizewski (inner 1, inner 3 bottom), Marcin Jagiellicz (inner 2); Maps: Google Maps; Text fragments on location: Wikipedia