



Międzynarodowa Środowiskowa Szkoła Doktorska
przy **Centrum Studiów Polarnych**
w Uniwersytecie Śląskim w Katowicach

ul. Bedzińska 60
41-200 Sosnowiec
tel. +48 32 368 93 80
polarknow@us.edu.pl
www.mssd.us.edu.pl



No. of PhD project: IEDS/2022/IO/02

Title of PhD project: *Tidal flats and the climate change*

The leading unit: Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot

Requirements:

1. Master of Science degree (MSc) in the field of environmental sciences, geography, oceanography, biology or related sciences.
2. Basic knowledge of GIS techniques.
3. Knowledge of the English language enabling communication, reading and writing scientific papers.

Tasks description:

1. Analysis of tidal flats (Germany, Norway, Arctic) in terms of physicochemical and biological characteristics.
2. Preparation, organization and conduct of field research: North Sea, Norwegian and the Arctic.
3. Collecting, processing and analysis of data from the above-mentioned research areas.
4. Preparation of scientific articles and conference presentations.
5. Regular reporting of work progress.

Abstract:

Tidal flats are the most vulnerable coastal ecosystem for the ongoing climate change – from the drying, sea level rise, waves, contaminants from land and sea, as well as alterations in ice presence. Those areas are often very productive and present high conservation value for the migrating birds and fish nurseries. Most of those critical drivers are changing with the ongoing fast warming of Northern Hemisphere.

Other information:

The work will be carried out under supervision of: prof. Jan Marcin Weslawski, e-mail: weslaw@iopan.gda.pl, Institute of Oceanology of the Polish Academy of Sciences in Sopot.

Secretary of the IEDS Recruitment Committee: +48 32 3689 380, e-mail: polarknow@us.edu.pl

Information on the IEDS admissions: https://www.mssd.us.edu.pl/en/admission_2022_2023