

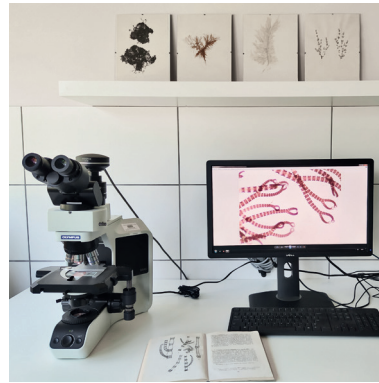


MARITIME INSTITUTE

GDYNIA MARITIME UNIVERSITY



MARINE ECOLOGY DEPARTMENT



The Marine Ecology Department specialises in designing and conducting comprehensive environmental surveys for offshore investments and carrying out the State Environmental Monitoring Program in marine and inland water areas. An important aspect of the MED's activity is its long-term involvement in the development of offshore wind energy in Polish sea areas. In this regard, the MED provides advisory services to investors, conducts environmental surveys for the construction of offshore wind farms, and prepares complete documentation required to obtain location and environmental permits. The major fields of the MED's activity also include spatial planning and marine environmental protection. The Marine Ecology Department co-created the first spatial development plan for Polish sea areas and developed the first draft conservation plans for marine Natura 2000 sites.

THE MARINE ECOLOGY DEPARTMENT'S ACTIVITIES

- comprehensive environmental surveys for investments located in Polish sea areas, including offshore wind farms and linear investments, i.e. pipelines and power cables;
- measurements of physicochemical parameters of water, sampling and laboratory analysis of phytoplankton, zooplankton, phytobenthos, zoobenthos and ichthyofauna samples of phytoplankton, zooplankton, phytobenthos, zoobenthos and ichthyofauna;
- environmental impact assessments for obtaining environmental permits for investments located in Polish sea areas;

- monitoring surveys of marine and inland waters under EU directives and the State Environmental Monitoring Program;
- development of national guidelines and methodologies for aquatic environment monitoring;
- consulting on legal environmental protection requirements for planned offshore investments;
- spatial planning with regard to biotic and abiotic resources of the marine environment and conditions under the environmental protection law, as well as strategic assessments of the environmental impacts from the planning documents;
- conservation plans for areas of high natural value.

MED'S LABORATORY

The state-of-the-art MED's Laboratory enables comprehensive analysis of biological samples tailored to individual client needs.

ENVIRONMENTAL SURVEYS

The Marine Ecology Department uses modern survey and measurement equipment to conduct various environmental surveys in marine and inland water areas.

MAJOR PUBLICATIONS

- Report: Natural habitats in the Polish zone of the Baltic Sea: the Słupsk Bank boulder area;
- Updated methods for monitoring biological components and classifying the surface water ecological status as regards macroalgae, angiospermae, and macrozoobenthos in transitional and coastal waters;
- Methodologies for monitoring and assessing the status of marine habitats and species implemented under the State Environmental Monitoring Program;
- Methodologies for assessing the aquatic environmental status of reservoirs;
- Initial assessment of the environmental status of marine waters with a set of characteristics for good environmental status of marine waters, and the first and second update of initial assessment;
- Draft conservation plans, including the environmental documentation, for Zatoka Pucka i Półwysep Helski, Ostoja w Ujściu Wisły, Zalew Wiślany i Mierzeja Wiślana, Ławica Słupska, Klify i Rafy Kamienne Orłowa, and Dolina Słupi Natura 2000 sites.



All survey services provided by the Marine Ecology Department are subject to an Integrated Management System, which adheres to the requirements of the ISO 14001:2015, ISO 45001:2018 and ISO 9001:2015 standards.



CONTACT

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