



INSTITUTE OF OCEANOLOGY POLISH ACADEMY OF SCIENCES, SOPOT





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The Institute of Oceanology of the Polish Academy of Sciences (**IO PAN**) was founded in 1983 as the successor to the Marine Station, in existence in Sopot since 1953.



THE MISSION OF THE INSTITUTE:

To conduct research focusing on processes occurring in the marine environment in order to expand existing knowledge of the processes and phenomena taking place there. The results of our work support the sustainable use of marine resources and the conservation of the marine environment.



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Strategic directions of IO PAN's statutory activities:

1. The role of the oceans in climate change and its effects on European seas
2. The natural and anthropogenic variability of the Baltic Sea environment
3. Contemporary changes in the coastal ecosystems of shelf seas
4. Genetic and physiological mechanisms of the functioning of marine organisms; principles of marine biotechnology

The Institute of Oceanology conducts scientific research
in the Baltic and European Arctic Seas



National and international cooperation

IO PAN participates in several scientific consortia and organisations e.g.:

national - Centre for Polar Studies (CSP), Polish Polar Consortium (PKPol), Research Centre of the Earth and Planet (GeoPlanet), The Inter-Institutional Team for Satellite Observations of Marine Environment

international - EuroGOOS, EurOcean, European Marine Board, EuroMarine, Baltic Earth



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RESEARCH VESSEL s/y Oceania

The Institute is the owner of the research vessel s/y *Oceania*, built in 1985, fully renovated in 2010. The *Oceania* accommodates 13 professional and 14 scientific crew members. The vessel has an unlimited sailing range.

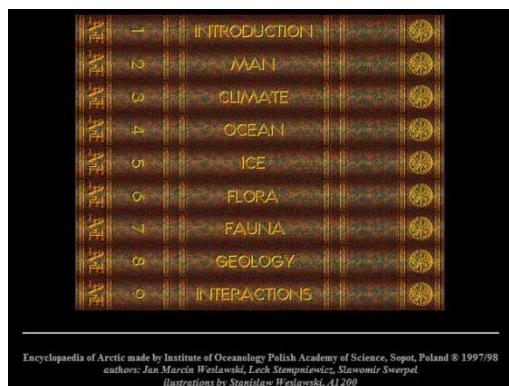


.....before renovation

Name:	s/y <i>Oceania</i>	<i>...after renovation</i>
Owner:	Polish Academy of Sciences Institute of Oceanology PAN, Sopot, Poland	
Harbour:	Gdańsk	
Construction year:	1985	
Cruising range:	unlimited, except the Arctic during winter periods	
Endurance:	1 month	
Crew:	13	
Scientists:	14	



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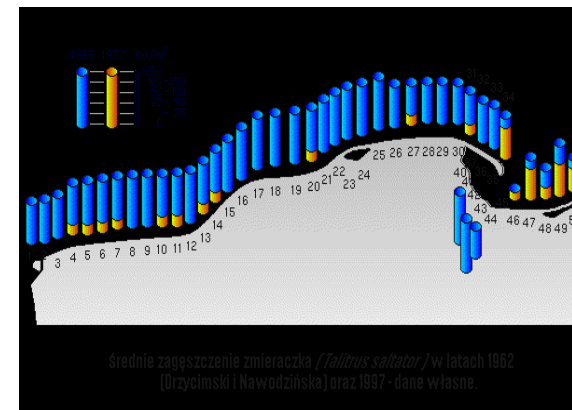



Oceanographic database

The database includes:

- marine ecology parameters,
- the Atlas of the Arctic,
- physics data,
- numerical modelling,
- physical oceanographic data

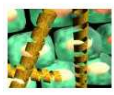
gathered at the institute over many years in the course of scientific expeditions and research programmes.



**Physical Oceanography**


Physical Oceanography databases consist of below listed measurements of selected devices:

- CTD measurements
- Underwater optics - Inherent Optical Properties measurements
- Current profiler (e.g. ADCP, LADCP)

**Biology & Fisheries**


Ecology database consist of data listed below:

- Taxonomy
- Sampling & sorting methods
- Macrozoobenthos of Puck Bay
- Macrozoobenthos of Hornsund fiord


**Cruises & Station Details**

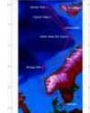
Cruises & Stations details databases consist of several main databases which are related to cruises, stations, geographic positions, etc.

- Cruises
- Stations
- Datasets
- Devices
- Units

**Chemical Oceanography**

Chemical Oceanography databases consist of measurements listed in sections:

**Meteorology**

**Cruise Summary Report & Quality Control**

The Cruise Summary Report is a general purpose for reporting on measurements and samples collected at sea.

- Cruise Summary Report 2005
- Quality control
- Methodology



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Publishing activities



Oceanologia, the Thompson-Reuter listed (IF as of 2015 equals 0,935), open access, quarterly journal devoted to reporting of basic research in the marine environment with emphasis to the European seas. *Oceanologia* has been published since 1971, while in cooperation with *Elsevier* - since 2015



‘Dissertation and monographs’, published since 1990, in Polish or English, one or two issue/s per year



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Educational activities

IO PAN is authorised to confer PhD and Dr hab (habilitation) degrees in the Earth Sciences (Oceanology).

IO PAN conducts a PhD Study Course designed to educate highly qualified young scientists in the field of oceanology.

The four-year course provides experimental and theoretical training in all the fields of marine sciences practised at the Institute



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