

EUTROPHICATION AT THE SOPOT BEACH (BALTIC SEA)
A COMMON TASK OF SCIENTISTS AND LOCAL AUTHORITIES

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Eutrophication is one of the priority problems of the Baltic Sea. The cyanobacteria blooms and heaps of deteriorating macroalgae at the beach in the summer season cause that it is also the main task of the Sopot municipal authorities. The both phenomena enhanced in the last years and in result the beach is closed for some periods, in the summer season. The central location of the beach in the city, which is a well-known resort, places it into the centre of interest of public opinion. Both the citizens and tourists are vividly interested in improvement of the state of this environment. Due to that, different actions are undertaken by the authorities responsible for the coast. One of them is CosCo project^{*)}, realized by the Sopot municipality together with Institute of Oceanology in Sopot, aimed for possible usage of the algae matter collected at the beach by the municipal services. In the realization are included also other local institutions. The role of IO-PAS in the project is recognition of abundance of micro- and macroalgae as well as deteriorated matter at the shore, in relation to the oceanographic, hydrological and meteorological conditions. Besides, pollutant content in the macroalgae is controlled, which is necessary for further utilizing of the material. The paper presents the principles and results of the assessment of the state of the monitored environment.

^{*)} – CosCo – ‘Regional cycle development through coastal co-operation – see grass and algae focused (INTERREG IIIC 2N00251, years 2004-2006)