

Title of the project: *Establishment of the knowledge transfer network on directions and possibilities of development of research in wave laboratory and in situ, with application of innovative research equipment*

Realized in the framework of Regional Operational Program for the Pomeranian Voivodeship for years 2007-2013

Priority 1 *Development and innovations in MSE*

Action 1.5. *Regional Network for Innovative Solutions Transfer*

Sub Action 1.5.2. *Support for Regional Pro Innovative Processes*

Agreement No.: *UDA-RPPM.01.05.02-00-011/08-00*

Duration of the project: 1.10.2009 – 30.09.2011

Coordinator: Institute of Hydro-Engineering of the PAS, Gdańsk

Partners:

Institute of Oceanology, Sopot

The University of Gdańsk, Institute of Oceanography, Gdańsk

West Pomeranian University of Technology, Szczecin

Main goals of the project:

1. **Establishment of the knowledge transfer network** on directions and possibilities of development of research in wave laboratory and in situ, with application of innovative research equipment.

The aim for the network establishment is a more intensive dissemination of information within the project target group, as well as project participants, on research and implementation potentials related to wave processes and their impact on constructions, bottom forms, sediment transport, currents' climate, coastal protection.

2. **Application of the experimental equipment owned by IBW** in order to carry out a series of innovative demonstration experiments in the wave flume and in situ in cooperation with the project partners. This will give insight into experimental abilities of the applied equipment.
3. **Carry out of a series of informative meetings, trainings and a final seminar** for the network participants and invited institutions interested in research on wave mechanics (e.g. measurements of waves and currents in harbour areas and planning of maritime, harbour and coastal zone investments) concerning possibilities of the existing wave flume and accompanying equipment's usage for implementation of research.
4. **Development of the internet data base on institutes and research and implementation institutions** dealing with the wave processes research and interested in implementation of innovative research methods and techniques. The data base will be freely accessible from IBW PAN web page (www.ibwpan.gda.pl).
5. **Promotion of the IBW's wave laboratory** and possibilities of its research potential usage through publication of information on carried out research in the project framework, their application, publications in journals, brochures and informative materials.



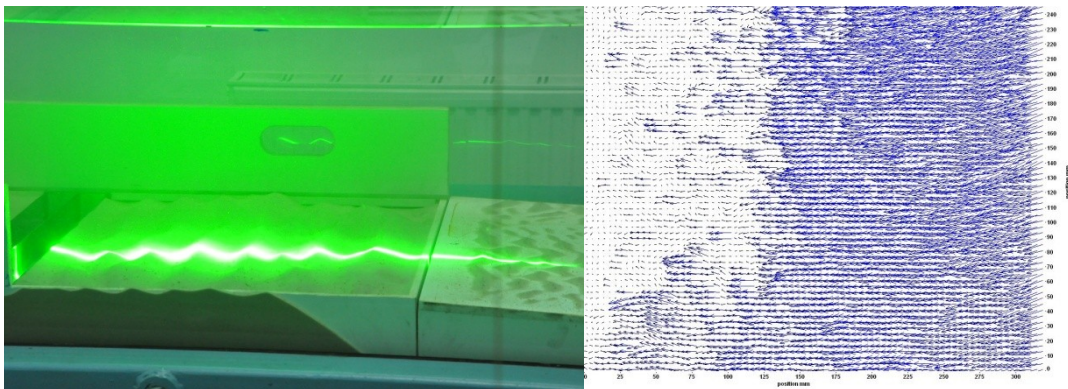
Project end-users:

Maritime Institutes, Port Authorities, Shipyards, Regional Water Management Boards, Naval Architects, local authorities, Environmental Inspectorates, Environmental Protection Funds and research institutions.



Development of experimental stand

A. Krupiński



Flow field measurements with use of 2D PIV system

A. Krupiński

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