

<b><i>Work package 2: Development a method for measuring the hydrodynamic load of underwater bodies</i></b>
<b><i>Start and end of the work package:</i></b> from Month 7 to Month 9
<b><i>Work package leader:</i></b> Georgi Tomov
<b><i>Participants in the implementation of the work package:</i></b>
Georgi Tomov
<b><i>Planned tasks:</i></b> 2.1 Choosing a suitable test setup for model tests of underwater bodies 2.2 Preparation of working documentation, fabrication and installation of equipment related to the modernization of existing facility 2.3 Experimental verification of the performance of the system
<b><i>Task 2.1</i></b> Choosing a suitable test setup for model tests of underwater bodies
<b><i>Deliverable</i></b> Selection of test setup for model tests of underwater objects that will allow implementation of model conduct testing and validation of the numerical results. As the base will be used existing PMM system which after modification will allow carryg out tests to measure the hydrodynamic load of underwater bodies.
<b><i>Task 2.2</i></b> Preparation of working documentation, fabrication and installation of equipment related to the modernization of existing test facility
<b><i>Deliverable</i></b> After development of conceptual phase of the project for modernization of existing facility the working documentation will be produced. It is planned to fit appropriate force sensors to perform trials and after the subsystem can be collected and mounted on facility.
<b><i>Task 2.3</i></b> Test of developed auxiliary equipment
<b><i>Deliverable</i></b> Procedure of sensors calibration accounting the peculiarities of the facility. Proving the efficiency of the system by testing underwater body
<b><i>Results, which will be used for evaluation of the intermediate or final report of the project<sup>1</sup></i></b>

<sup>1</sup> Scientific publication (accepted or submitted) in the journal with impact factor, or patent or build research equipment with unique features; for projects in the field of social sciences and humanities - publication in a refereed and indexed journal or reviewed studies or part of the monograph.