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## INTEGRATED TECHNOLOGY FOR IMPROVED ENERGY BALANCE AND REDUCED GREENHOUSE GAS EMISSIONS AT MUNICIPAL WASTEWATER TREATMENT PLANTS “BARITECH”

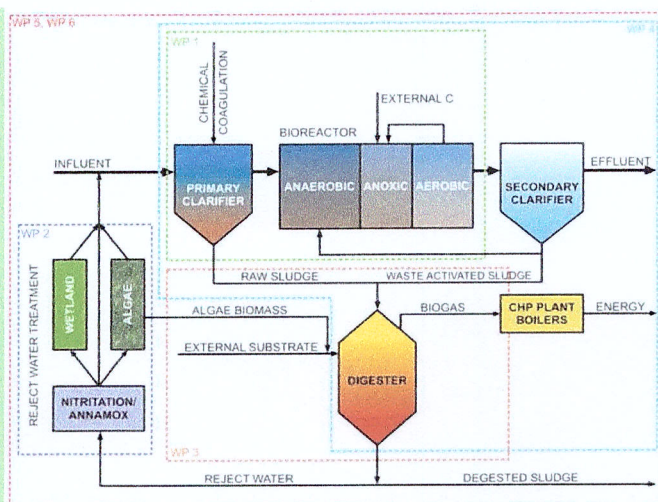
### PROJECT SUMMARY

The aim of the project is to develop a novel sustainable technology that combines increased biogas production, enhanced nutrient removal and reduction of greenhouse gas emissions. The proposed technology includes treatment of anaerobic sludge digestion liquors by the nitrification/anammox process, algae reactor or wetland system. The increased primary sludge production for digestion is achieved through enhanced primary treatment by coagulation/flocculation.

The technology will lead to energy recovery and savings, greenhouse gases emission reduction, enhanced nutrients removal, sludge minimization and improvement of the economic aspects of WWTPs.

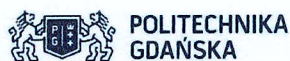
### COOPERATION

Guidelines concerning the design and operation of the integrated treatment system will be helpful for designers and contractors. The intended outcomes will be institutional cooperation and exchange of information among the scientists and stakeholders as well as the knowledge transfer both between Polish and Norwegian researchers and WWTP operators.



Schematic layout of the proposed technology and scope of seven Work Packages

### Project Promoter



### Project Partners

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