

PROJECTS OF THE TEACHING STAFF OF THE FIELD COURSES 2017-2021**INTERNATIONAL PROGRAMME PROJECTS**

1. Integrated intelligent sensor system for improved of water supply (ES FP7 programme), 2014-2017. Partners: University of Vienna, University of Tor Vegata in Rome, French Atomic Energy Agency, 5 research and innovation development institutions in the United Kingdom and Belgium.
2. Boosting the sustainability of the urban water cycle: energy harvest in the water industry using micro-hydropower technology (LIFE programme), 2018-2021. Partners: CARTIF (Spain), IMP PAN (Poland), AGULEON and SUEZ España (Spain).
3. Hydropower solutions for developing and emerging countries (Horizon 2020 programme), 2019-2022. Partners: WIP (WIRTSCHAFT UND INFRASTRUKTUR GMBH & CO PLANUNGS KG, Germany) and 13 other partners, including 5 from Africa and Latin America.
4. Water emissions and their reduction in village communities-villages in the Baltic Sea region as pilots-village waters (Interreg Baltic Sea Region programme), 2017-2019. Partners: Finnish Institute of Natural Resources (LUKE), University of Latvia, Tallinn University of Technology, Polish Institute of Technology and Life Sciences.
5. Development of interactive and animated drawing teaching aids (ERASMUS + KA2 programme), 2017-2020. Partners: Silesian University of Technology, Riga Technical University, Slovak University of Technology, Panevėžys College, Vilnius Builders' Training Center, Estonian Ida-Viruuma Vocational Training Centre, Lithuanian Society of Engineering Graphics and Geometry.
6. Education for Sustainable Water Bodies and Coasts (Nordplus Higher Education 2020 programme), 2020-2021.

NATIONAL PROGRAMME PROJECTS

1. Assessment of the impact of climate change and other abiotic factors on aquatic ecosystems (National Science Programme “Sustainability of Agro, Forest and Aquatic Ecosystems” administered by the Lithuanian Science Council (LMT)), 2015-2018.

INTERNATIONAL PROJECTS WITH ECONOMIC ENTITIES

1. Investigation of equipment effectiveness and process of hatchery and growing of Salmonids fish part 2, 2017-2018. Customer: AS Nora Watertech (Norway).

PROJECTS WITH LITHUANIAN ECONOMIC ENTITIES

1. Modeling of the stability of the additional section of the north-western slope of Gediminas Hill, 2017, Customer: UAB “Rekreacinė statyba”.
2. Stability modeling of the south-eastern slope of Gediminas Hill, 2017, Customer: UAB “Rekreacinė statyba”.
3. Evaluation of diagnosis of the condition of mobile technical systems of a building. Analysis of mound remediation measures. 2017. Customer: UAB “Rekreacinė statyba”.
4. Research on technologies for the use of agroperlite. 2018-2019. Customer: UAB "Soltera".
5. Possibilities of decontamination and use of wastewater generated in UAB "Baisogalos bioenergija" catfish breeding farm. 2017-2018. Customer: UAB "Baisiogalos bioenergija".
6. Identification of the possibilities of using membrane filtration in closed fish farming recirculation systems. 2017-2018. Customer: UAB "Minijos investicija".
7. Evaluation of the technological peculiarities of shellfish farming and the impact of these activities. 2018. Customer: UAB "Investara".

8. Stability modeling of the south-eastern slope of Gediminas Hill and calculations of the stability of the defensive wall. 2018. Customer: Lithuanian National Museum.
9. Stability modeling of the western slope of Gediminas Hill. 2018. Customer: Lithuanian National Museum.
10. Use of fibrous hemp in the development of thermal insulation concrete for insulation of energy efficient buildings. 2018. Customer: UAB "Inovatyvūs sprendimai".
11. Specialized inspection of another transport structure (bridge over Agluona river in Biržai town, Kęstučio str.) with non-destructive tests of concrete structure, evaluating concrete and reinforcement properties of concrete and reinforced concrete structures. 2019. Customer: UAB "Projektai ir Co".
12. Specialized inspection of the drinking water tank. 2019. Customer: UAB "Vilniaus vandenys".
13. Research on the regulation of general construction works. 2019. Customer: Lithuanian Association of Land Reclamation Companies.
14. Slope located at Sierakauskas Street No. 25, Vilnius, stability modeling and analysis. 2019. Customer: UAB "Realinija".
15. Development/improvement of technologies for practical use of "Knitted Sock" geotextile. 2019-2020. Customer: UAB "Evopipes Radius".
16. Shopping center building located at Kauno str. 22 in Vievis, studies of vertical deformations of support columns. 2019. Customer: UAB "Vievio NT".

PROJECTS WITH STATE INSTITUTIONS

1. Feasibility study of sludge generated in closed aquaculture systems. 2016-2017. Client National Paying Agency under the Ministry of Agriculture.
2. Hydraulic engineering building in J. Biliūno str. 15, Panevėžys, expertise. 2017. Customer Panevėžys City Municipality Administration.
3. Engineering research of the condition of Jonava city ponds hydraulic structures (dams). 2017. Customer Jonava district municipality administration.
4. Regulation of soil moisture regime. 2016-2019. Client National Paying Agency under the Ministry of Agriculture.
5. Assessment of the condition of reclamation ditches using remote sensing methods. 2016-2017. Client National Paying Agency under the Ministry of Agriculture.
6. Application of controlled drainage with denitrification bioreactors for optimization of soil moisture and nutrient transport in drained lands. 2016-2017. Client National Paying Agency under the Ministry of Agriculture.
7. Use of the principles of renewable energy sources, sustainable construction and "smart barn" in agricultural production buildings. 2019-2022. Client National Paying Agency under the Ministry of Agriculture.
8. Development of typical farm models for sustainable dairy farms, scientific and economic substantiation of recommended solutions. 2019-2020. Client National Paying Agency under the Ministry of Agriculture.
9. Use of treated wastewater for irrigation purposes in Algeria. 2019. Customer Embassy of the Republic of Lithuania in the Kingdom of Belgium, the Grand Duchy of Luxembourg and the People's Democratic Republic of Algeria.
10. Preparation of a study on creating suitable conditions for fish to migrate through barriers. 2019-2020. Customer Ministry of Environment of the Republic of Lithuania.
11. Siltation studies of drainage systems. 2019-2021. Client National Paying Agency under the Ministry of Agriculture.