Czech Technical University in Prague

Faculty of Civil Engineering, Czech Republic

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Project Partner 11

The Czech Technical University in Prague (CTU) is one of the biggest and oldest technical universities in Europe. It was founded on the initiative of Josef Christian Willenberg on the basis of a decree issued on January 18th, 1707 by Emperor Josef I.

CTU currently has eight faculties (Civil Engineering, Mechanical Engineering, Electrical Engineering, Nuclear Science and Physical Engineering, Architecture, Transportation Sciences, Biomedical Engineering, Information Technology) and about 21,000 students.

For the 2017/18 academic year, CTU in Prague is offering its students 128 study programs within the framework of which there are 453 fields of study. CTU educates modern specialists, scientists and managers with knowledge of foreign languages, who are dynamic, flexible and can adapt quickly to the requirements of the market.

The Faculty of Civil Engineering (FCE) is one of the largest colleges of the Czech Technical University. The academic community comprises approximately 5 500 students and 400 teaching and research staff.

The Department of Irrigation, Drainage and Landscape Engineering currently employs 20 staff and 20 Ph.D. students. The teaching and research is oriented mainly to surface and subsurface water management, soil conservation, landscape and land-use stability.

The particular fields of interest are preferably mathematical modeling of rainfall-runoff processes, soil erosion, transport processes and soil hydrology. GIS tools and advanced numerical models are extensively used for most of listed activities. In these fields, the department belongs to the leading institutions within the Czech Republic. The department is well equipped with up to date computation software, newly reconstructed soil physics laboratories with innovative experimental setups, is involved in three experimental catchments, collaborate with several Czech and international institutions.

In the CAMARO-D project, CTU team is leading work package 3 dealing at first with investigation of land-use practices status within Danube basin. Second, CTU is preparing best management practices used in Danube countries. Finally, there is a GAP analysis of current practices. All listed activities will be used for workshops with stakeholders in each country. CTU is involved in all other work packages of the project. Its experts will be active in management plans and strategies, especially in agricultural land, soil erosion, sediment and nutrients transport.

www.fsv.cvut.cz/en

In CAMARO-D, PP*11* is supporting *1* Associated Partner – *Morava river basin* – *http://www.pmo.cz/*