

Integrated modelling and control of Odense wastewater systems



The Odense water utility is developing an integrated water-quality based control of its drainage/wastewater system, which will allow improving the quality of the Odense River with a reduced investment. The aim of this project is to address several issues linked to the development of the integrated water quality model, analysis of data collected by on-line monitoring sensors, and evaluation of the performance of the control strategy.

Tools: WEST-IUWS library, tools for statistical data analysis (MATLAB or R).

Project type

Topic is suitable for MSc project

Pre-requisite

General understanding of water quality process modelling & urban drainage, interest in modelling

Group size

1-5 students (separate projects)

Department of supervisors

Main supervisor: DTU Environment

Co-supervisor: DTU Environment/VCS Denmark A/S

Contact person

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