Project idea:

Wastewater treatment efficiency and microbiological composition.

Kalundborg Utility has for several years participated in the MIDAS project. Aalborg University has been in charge of the project. As a part of the MIDAS project the microbiological composition of the biological treatment at the Kalundborg Wastewater Treatment plant has been thoroughly investigated. In addition, the Utility holds data from the regular and systematic tests of the efficiency of the wastewater treatment plant in Kalundborg.

The Utility is interested in an analysis over time of the possible microbiological interaction between the active sludge and the wastewater. The study could be based on the data from the MIDAS project and the data from the efficiency of the wastewater plant. Important questions would be one or more of the following:

- Are there possible correlations between the measured in-and outlet values and the microbiological composition?
- Has there over the years been any substantial changes in the composition?
- Is it possible to pinpoint specific bacteria or a specific microbiological composition which has negative or positive effects in the efficiency of the biological wastewater treatment process?
- What kind of possible changes to the operation of the plant would be feasible to enhance the biological treatment?

Kalundborg Utility is overall interested in a study directed at increasing the environmental efficiency of the wastewater treatment process in Kalundborg.

Contact: Preben Thisgaard, Senior Projekt Chef
Email: prth@kalfor.dk
Phone: +45 21 51 09 99

The present proposal from the company is an invitation to collaboration. The project will be planned, scoped and modified in close collaboration with the university supervisor in order to get the best possible project. The formal application procedure (and application deadline) for a Helix Lab Fellowship must be followed. All applications will be evaluated by the Helix Lab Board before a Fellowship may be given. Read more on our web-site, Helixlab.dk