

# RioNet

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.. is a management tool for water quality modeling in rivers. Based on the successful numerical technology of Predici and the model development for RioVal the application package RioNet is designed for the simulation of networks of rivers and purification plants. The underlying biofilm model (River Water Quality Model) has been developed by Prof. Dr. Horn, TU Munich, an acknowledged expert in the field of biofilm reactors and waste-water treatment.

RioNet runs on standard personal computers without any input of models or equations. The user must only supply data describing the river (e.g. flow rate, temperature, pH, O<sub>2</sub> , NH<sub>4</sub><sup>+</sup> , BSB<sub>5</sub>, etc.) and the inputs from purification plants or side-arms.

All results are presented in online graphs during simulation. Import and export of results and data in text files or via the COM interface ensure the communication with other program packages. (CiT's software products can be used both as OLE-server and as OLE-client).

### FEATURES:

- interface for the description of rivers and input from treatment plants
- simulation based on a comprehensive and well-tested biofilm model