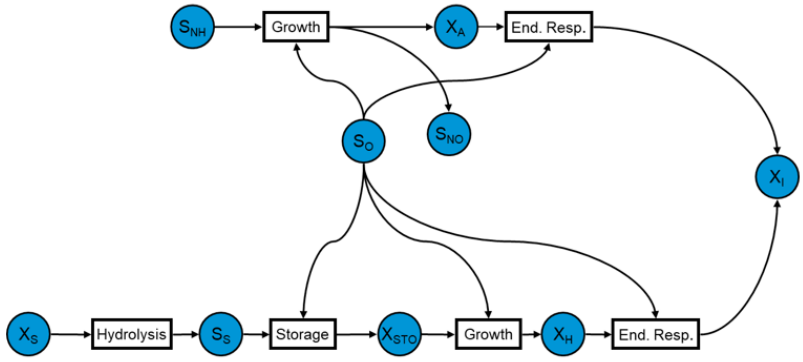
SIMBA#

SIMBA# 7.5

TEACHING AND SCIENTIFIC WORK

Universities & research

Open and extensible models for research and teaching. Universities benefit from discounted licences and the easy-to-learn course edition SIMBA#classroom.



What SIMBA# does for you

- Open and extensible models
- Discounted academic and network licences for classrooms
- Widely used in research, especially in German-speaking countries
- Custom process matrices and novel reactor types
- Lab experiment scripts and model calibration
- Water–energy–food nexus and sanitation flow diagrams

SIMBA#classroom

A training edition of SIMBA# with a reduced range of functions – easy to learn, ideal for students, lecturers and WWTP staff.

- Activated sludge with ASM3 modified according to HSG – results consistent with DWA-A 131
- Hydrodynamic sewer networks with up to 500 conduits
- Pressure networks and the Supply library for process and cooling water or energy

New in SIMBA# 7.5

- Automatic simplification of hydrodynamic sewer models into hydrological models
- Automated generation of real-time control (RTC) algorithms for sewer networks
- Wizard for analysing WWTP simulations, calibration and optimisation
- SCADA library for live plant integration, Sankey diagrams, .NET 10 platform

Why SIMBA#

- DWA guidelines built into the software
- One model from balance to digital twin
- Developed by ifak e.V. Magdeburg, local support

Get started

- Free trial licence – no time limit
- Training: 2-day courses by field
- Turnkey simulation studies – SEWACO services

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