

# What's new in Sumo22.1<sup>©</sup>



This document summarizes the new features and improvements found in Sumo22.1 compared to Sumo22.0.

## New process model features

- Nitrification inhibition in HPO model improvements

## New and improved process units

- New "fixed DO" aeration option in bioreactors (simulations are faster but the fixed DO model does not consider blower limitations or DO carry over)
- Minimum air flow requirement introduced (in case mixing is to be maintained in anoxic zones by airflow)
- Catchments and Rivers extended with sewer and river flow dividers, urban catchment extended with removal fractions for outgoing mass flows
- Minor fixes in THP, Primary settler, Pond and Granular SBR models

## Tools

- Easier switch controller setup (using a direct parameter to set up the effective range/strictness of the switch, instead of slope)

## New interface features

- Faster navigation among output tabs, dropdown list for selection
- Faster loading and display of dynamic input tables
- Improved custom code handling ("Save for support" command changed to "Save with custom code"; the user can specify which custom process code files to ship with the project when saving and which ones to import when opening)
- Improved Add-on installer (available from the menu)
- Model continuity checker included (available from the menu)