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Introduction

This document includes beta features that are not yet implemented in the interface but can be accessed employing non-conventional methods. All these features require to open with an editor the UWOT project (make a copy before) and make the appropriate changes.

Define latitude of the project location

Properly defining the latitude of a project is essential for estimating correctly the evapotranspiration (irrigation needs calculated by BG components, evaporation calculated by PV component)s and the net solar radiation (insolation calculated by NR components and renewable energy calculated by PA components). Search for the tag 'misc'. Set accordingly the value of the attribute 'phi'.

Stop execution if not sufficient capacity

In case of a demand signal exceeding the capacity of a transmission element (e.g. an aqueduct), the default behaviour of UWOT is to log the exceedance and continue the simulation. To change this behaviour, search for the tag 'misc', then set the value of the attribute 'strictinfeas' equal to 1. This changes the UWOT behaviour to stop simulation if capacity exceedance occurs.

Simulate quality of service reservoirs

UWOT simulates the quality only for push signals. Consequently the quality of service reservoirs is not estimated. To overcome this restriction,. search for the tag 'misc', then set the value of the attribute 'simqual' equal to 1.

Spatial information of a component inserted in Network view

If a component is inserted in Network view it does not get a spatial id, hence it cannot be displayed in 'Spatial view'. To fix this, you need to find the element that corresponds to the component. Do this by searching the component id (e.g. search for component_id="138") Then, change accordingly the spatial_id of this component to the id of the hyper-component to which it should belong to.