

## Initialization



## Modeling and Solving



## Postprocessing

flow-system set up through  
our easy-to-use Python-API

### flow-system

- network system
- parametrization

define calculations  
(calculation type, solver,  
subset of timeseries etc.)

translating interfaces to  
variables and constraints,  
solving

calculation 2

calculation 1

sub-flow-system

math. model

solution

structured access to  
solutions and all  
parametrizations,  
convenient plotting  
methods

result calculation 2

result calculation 1

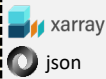
sub-flow-system

solution

**MILP-Solver**  
*HiGHS, Gurobi, CBC, ...*

file I/O

flow-  
system-  
files



sub-flow-  
system  
files



solution  
files



restore used flow system from file