

Danube Water Balance



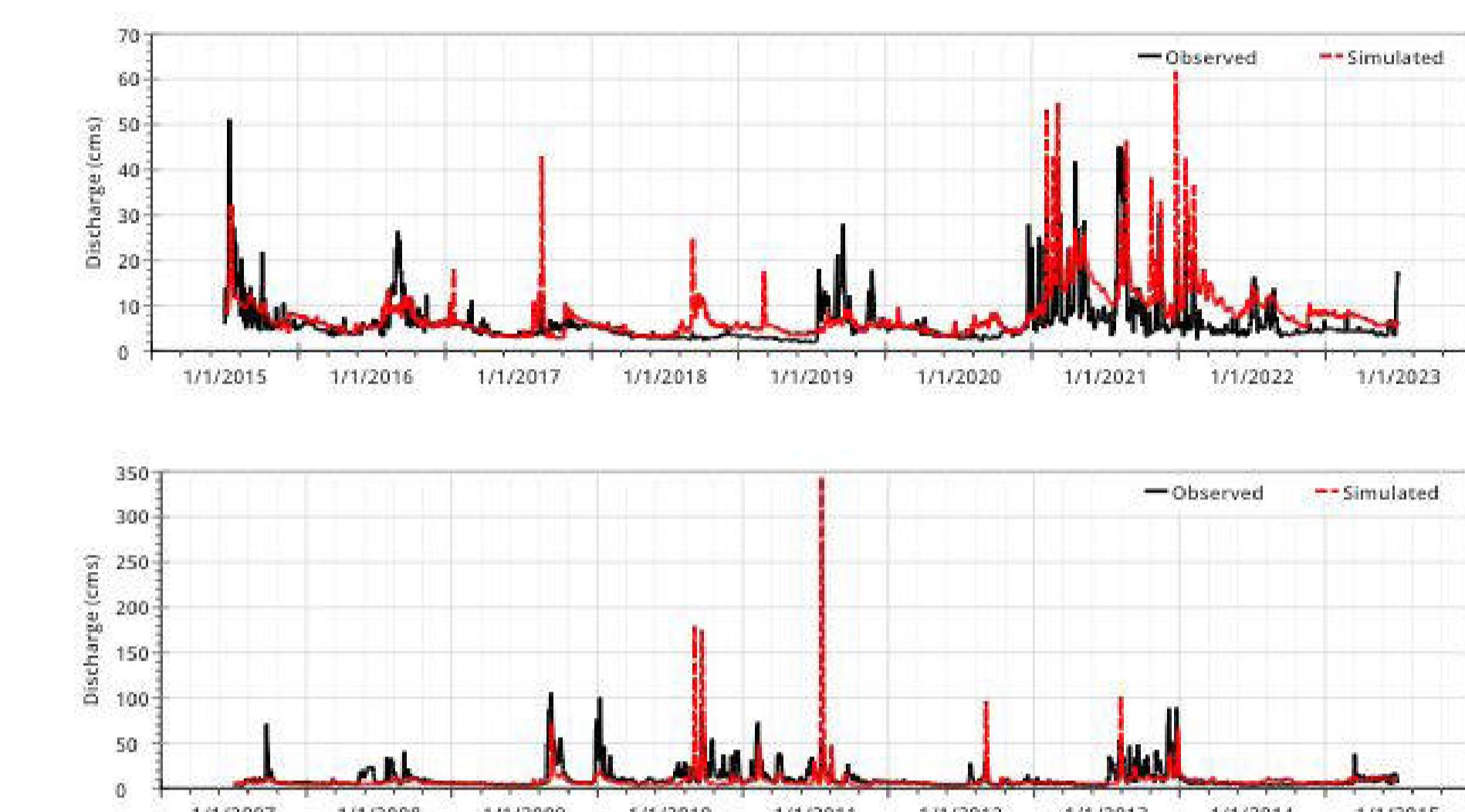
Pilot study – Morava River basin



CWatM Morava River Basin – results 1

- Calibration and validation time series for the worst KGE result of calibration G0045 – VD Znojmo.

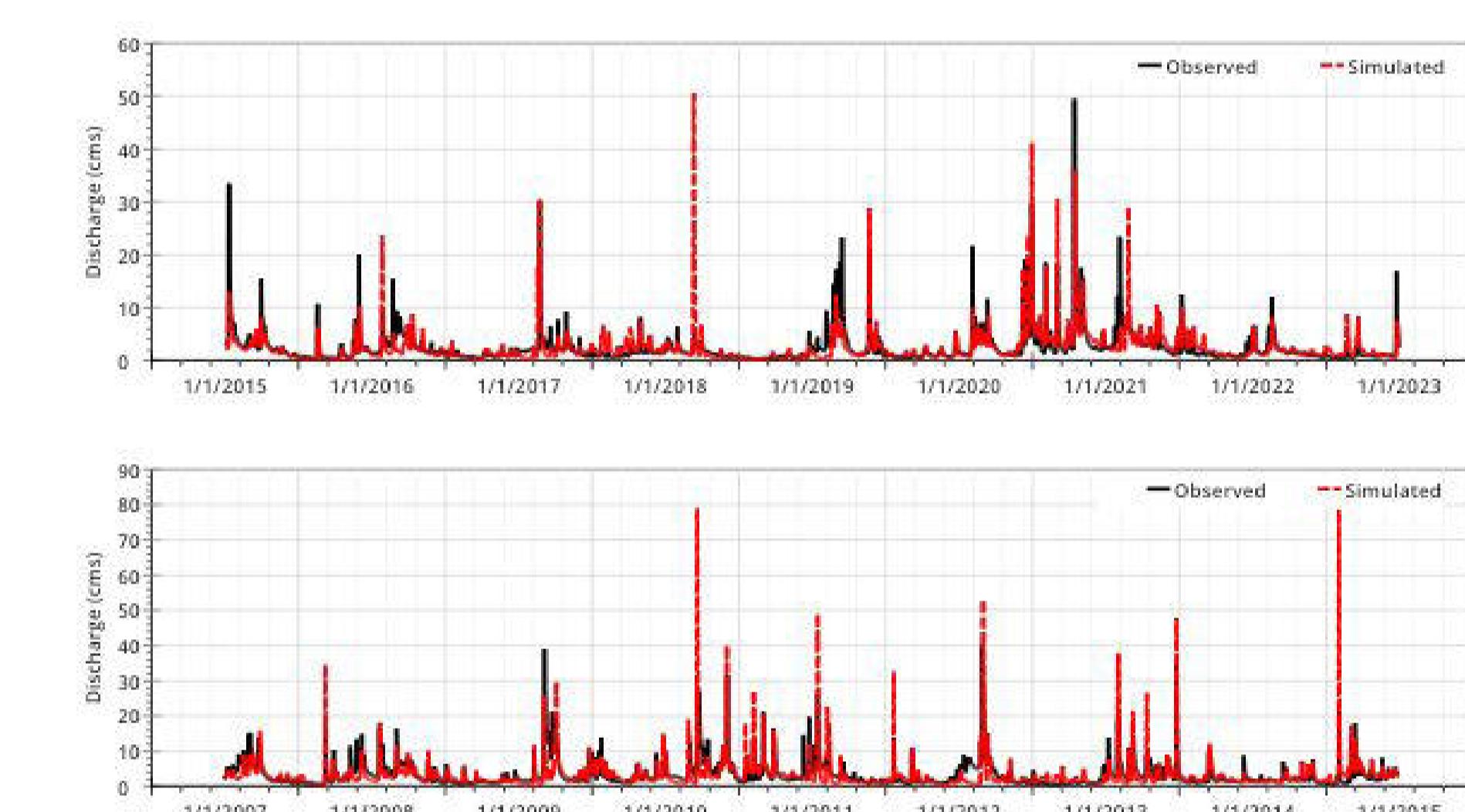
In each charts red line is simulated time series of discharge and black line is observed time series of discharges.



CWatM Morava River Basin – results 2

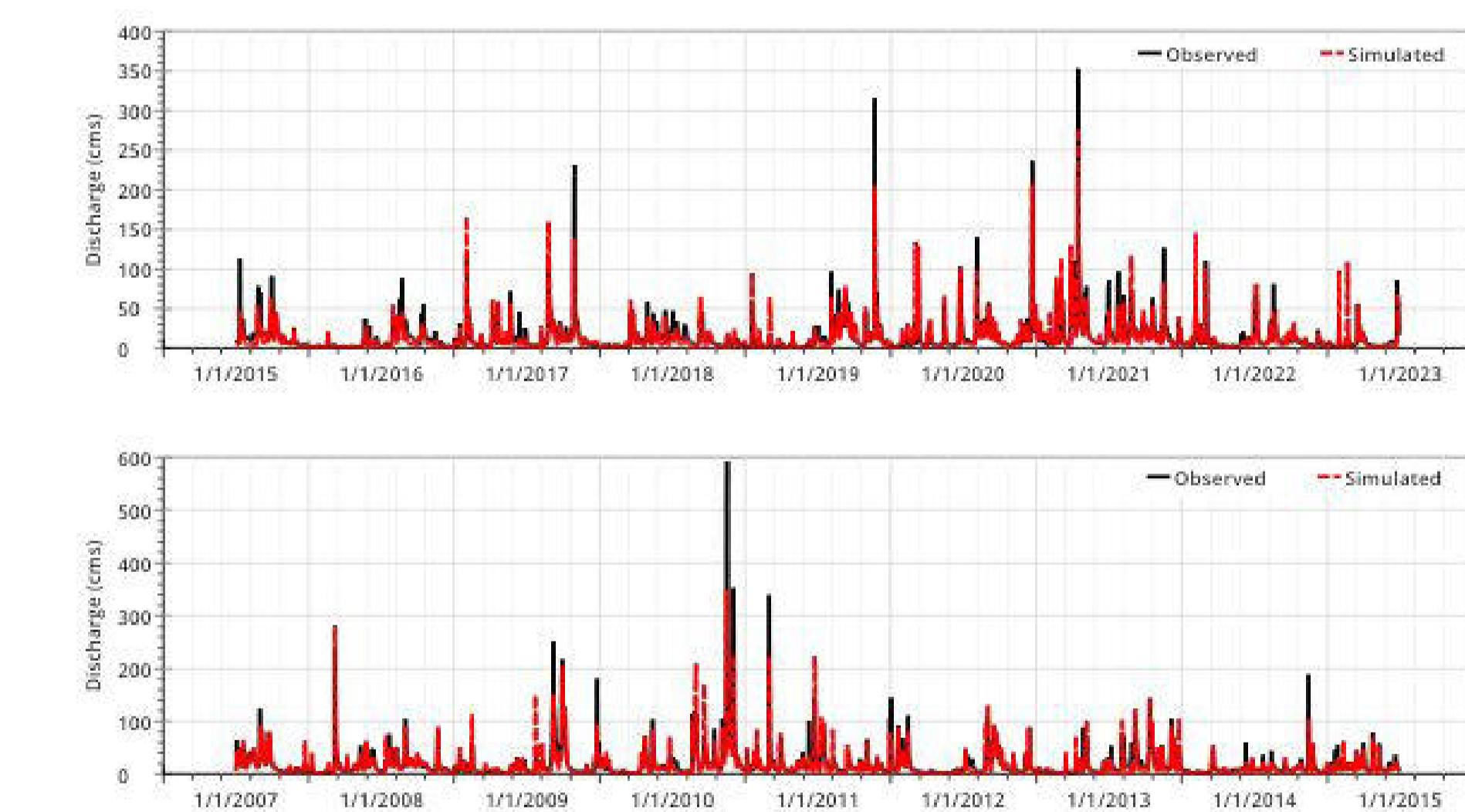
- Calibration and validation time series for the worst KGE result of calibration G0045 – VD Znojmo.

In each charts red line is simulated time series of discharge and black line is observed time series of discharges.



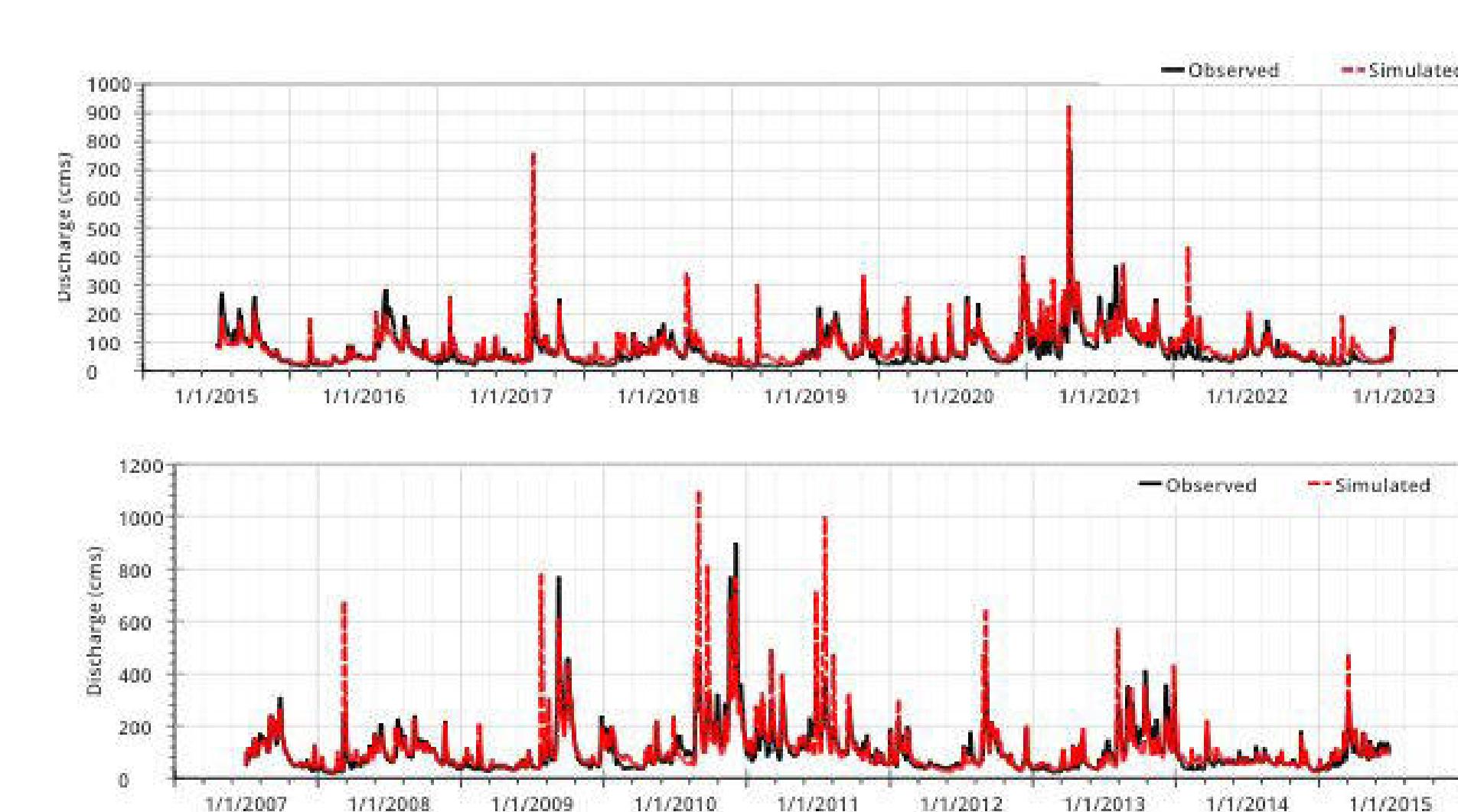
CWatM Morava River Basin – results 3

The slide represents best KGE results/score for hydrometric profile G0020 - Dluhonica.



CWatM Morava River Basin – results 4

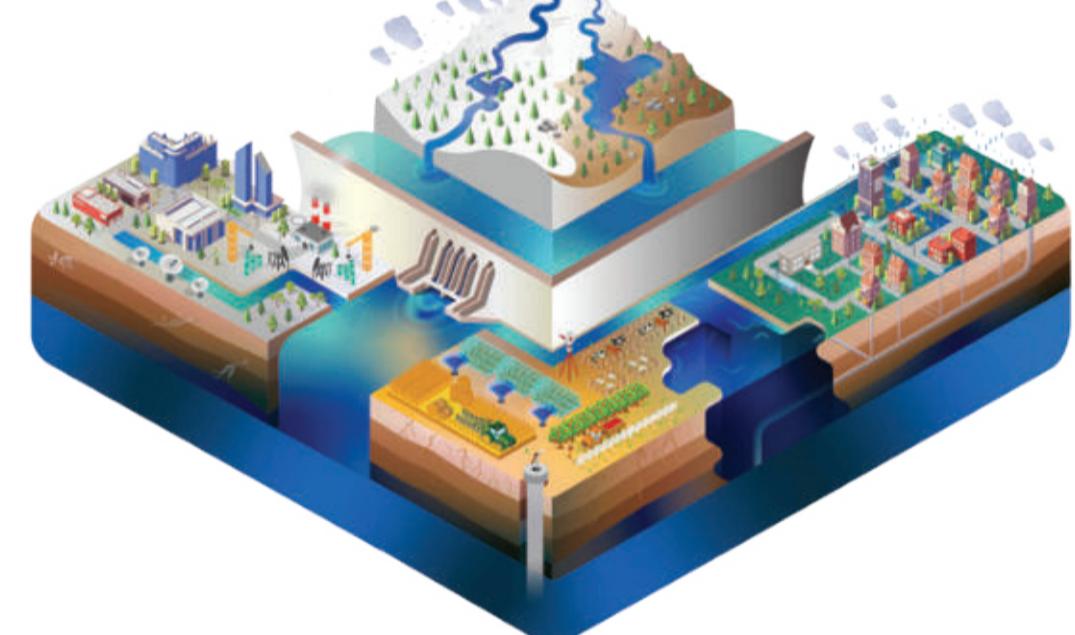
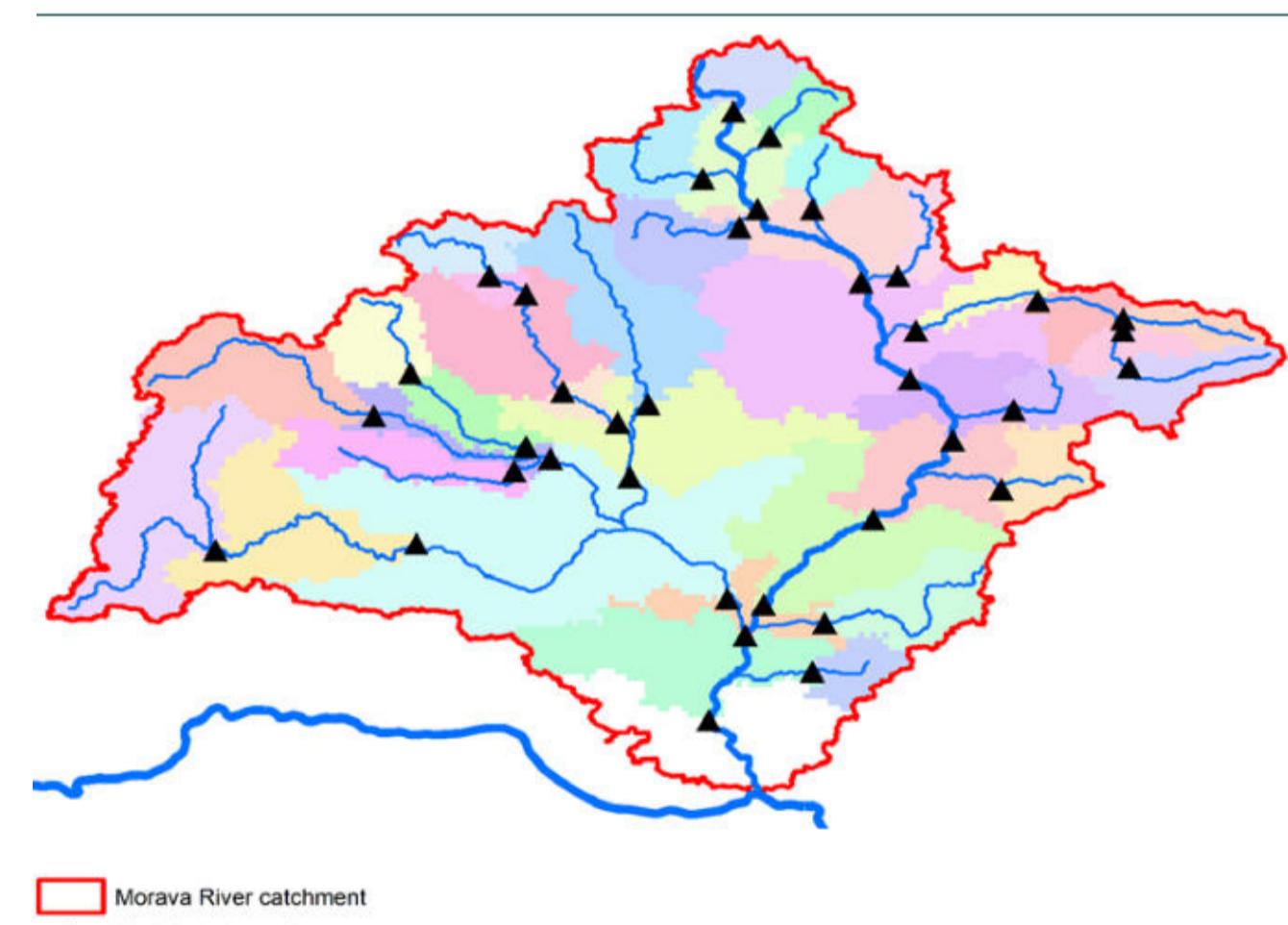
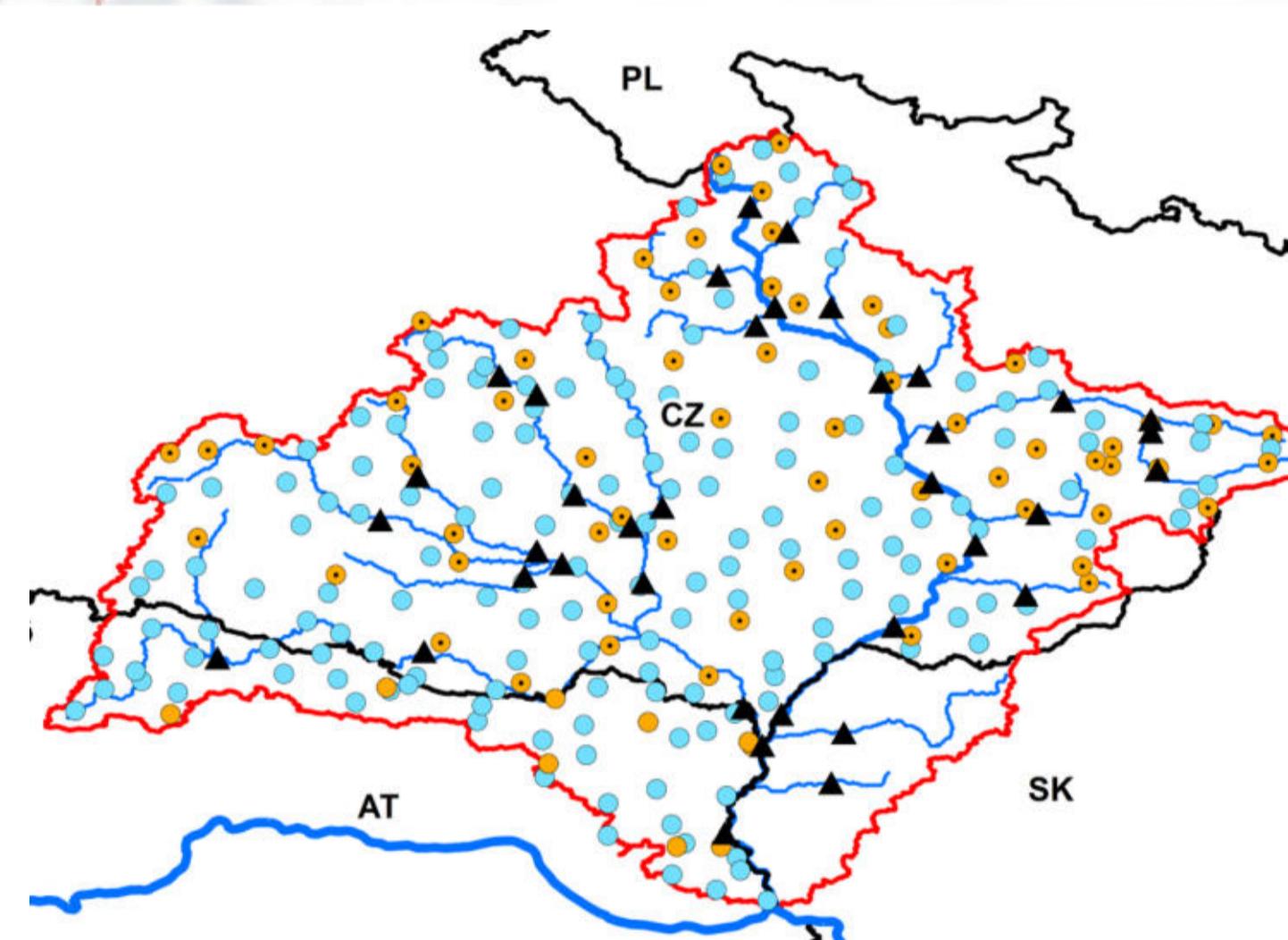
Representing last station within the Morava River basin near to confluence with Danube G0060 – Záhorská Ves. In each charts red line is simulated time series of discharge and black line is observed time series of discharges.



Pilot study – Morava River basin

- Network of hydrological and meteorological stations within the Morava River basin.
- Color coded with regard to the observed variable.

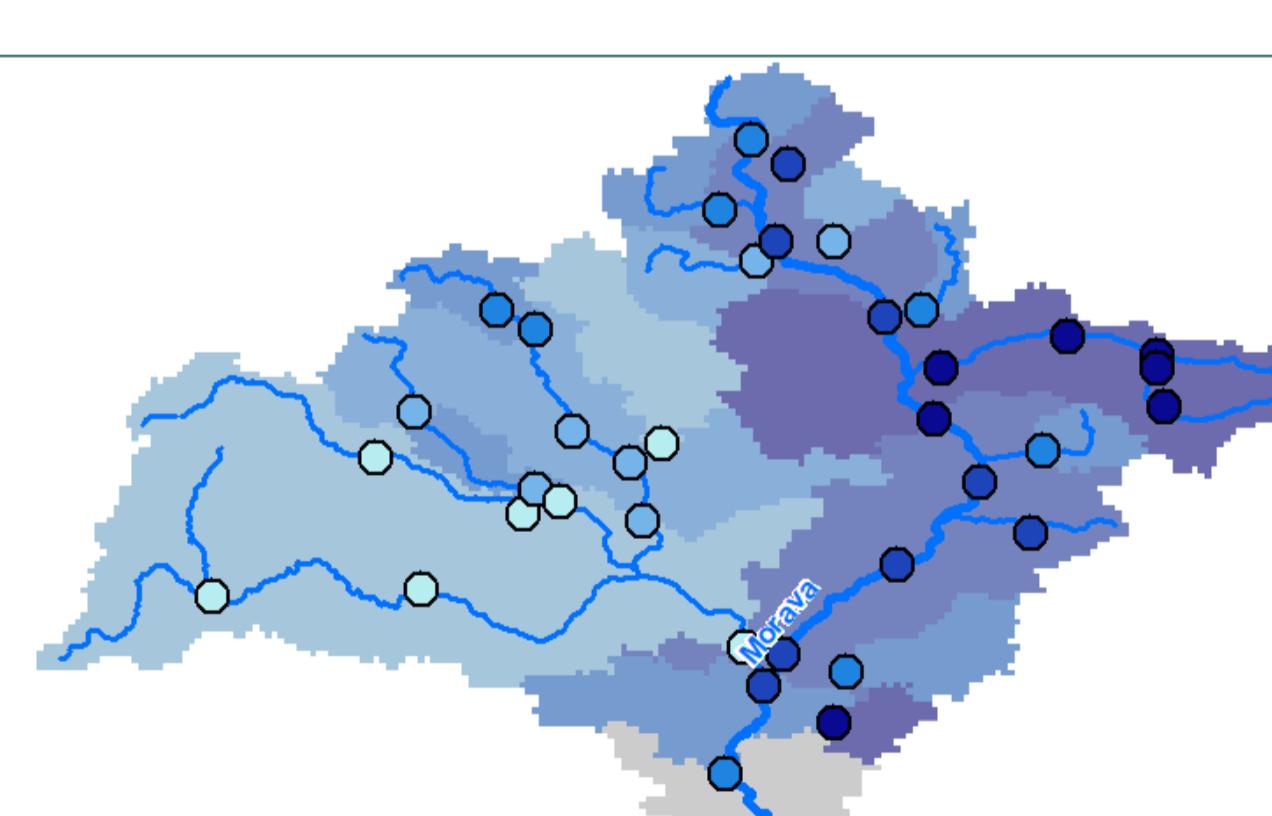
Morava River catchment
Countries
▲ Hydrological stations
● Meteorological stations (temperature)
● Meteorological stations (precipitation)
● Meteorological stations (temperature + precipitation)



CWatM model: Morava River basin

- Network of hydrological stations within the Morava River basin.
- Subbasins are color coded just to show each of them using this station network.

morava_calib_0425
KGE_cal
○ 0.417 - 0.514
○ 0.514 - 0.614
○ 0.614 - 0.696
● 0.696 - 0.779
● 0.779 - 0.848



CWatM Morava River Basin – model calibration

- Calibration results for 37 hydrological stations using KGE.
- These stations were used to calibrate the CWatM.

The slide represents results of Morava River Basin – model calibration. Each point is hydrometric profile and color describe result of Kling-Gupta efficiency (KGE) score, see in legend.

CWatM Morava River Basin – model validation

- Validation results for 37 hydrological stations using KGE.

Here representing results of Morava River Basin – model Validation. Each point is hydrometric profile and color describe result of Kling-Gupta efficiency (KGE) score. Red arrows shows profiles for the following slides (results 1, 2, 3) where results for profiles G0045 – VD Znojmo means worst KGE score - worst results.

morava_calib_0425
KGE_cal
○ 0.417 - 0.514
○ 0.514 - 0.614
○ 0.614 - 0.696
● 0.696 - 0.779
● 0.779 - 0.848

