

WetMAT CALIBRATION PROCESS

Random generation of 100 vectors with different parameter combinations

Comparison of modeled MFA time series (1993/1994-2017/2018) with observed time series using KGE metric

Normalization of parameters based on their maximum value within the range

Re- run of best results with optimized parameters from normalization process

Generation of 2000 vectors using Sobol's sensitivity analysis technique

Comparison of modeled MFA time series (1993/1994-2017/2018) with observed time series using KGE, R2 and RMSE metrics

Selection of the best combination of parameters

WetMAT VALIDATION PROCESS

Comparison of modeled MFA time series with observed time series (1980/1981-1992/1993) using KGE, R2 and RMSE metrics