

# Politecnico di Torino

Master's Degree in Environmental and Land  
Engineering



**Politecnico  
di Torino**

Master's Degree Thesis – Attachments

Parameterization of a Regional Hydrologic Model for Piedmont:  
simulation of large-scale floods

Supervisor:  
Prof. Alberto VIGLIONE

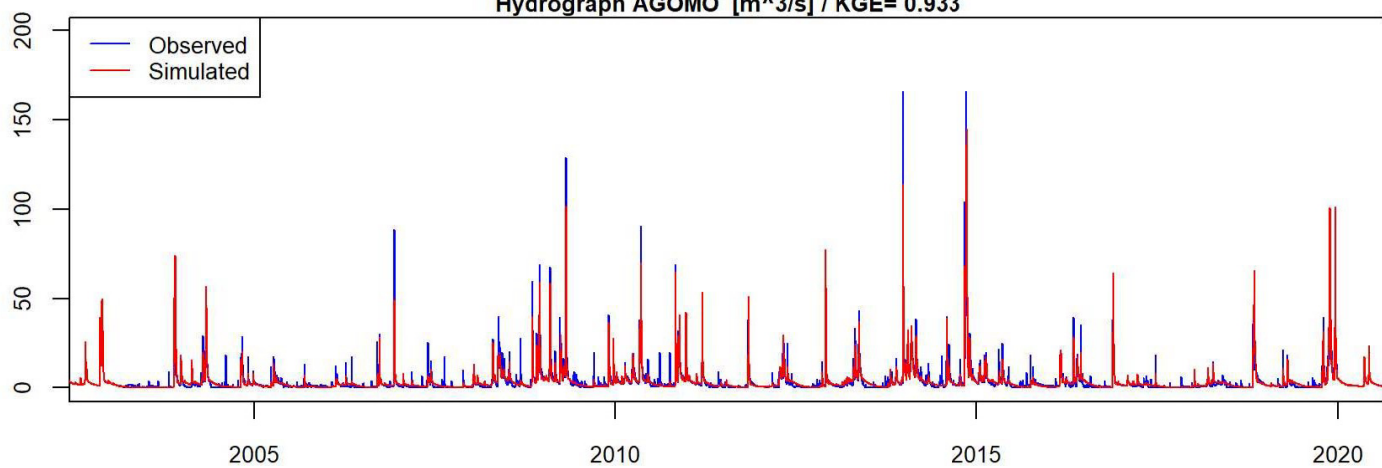
Candidate:  
Luca LOMBARDO

OCTOBER 2022

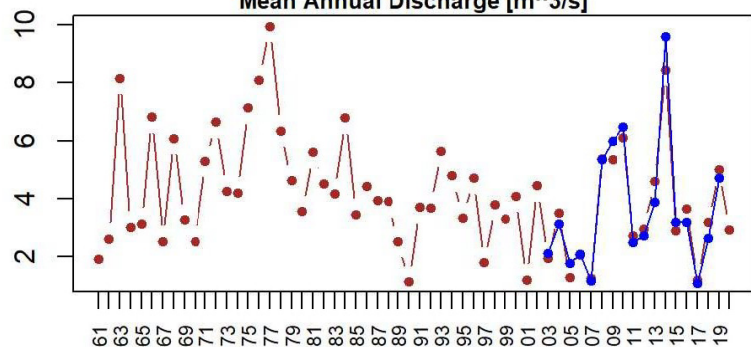
***ATTACHMENT 1***  
***ADDITIONAL SIGNATURES ANALYSIS***  
***(LOCAL LUMPED CALIBRATIONS – ALL CATCHMENTS)***



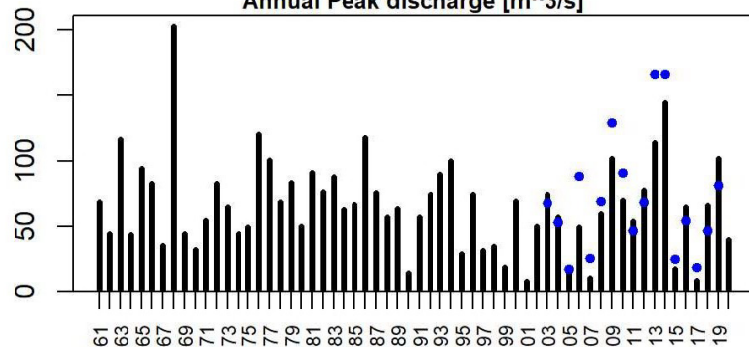
Hydrograph AGOMO [m<sup>3</sup>/s] / KGE= 0.933



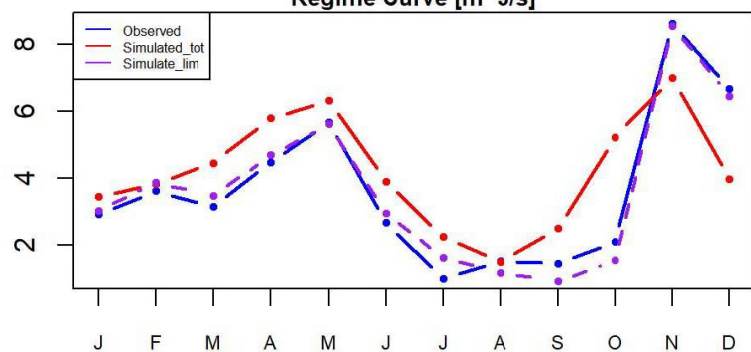
Mean Annual Discharge [m<sup>3</sup>/s]



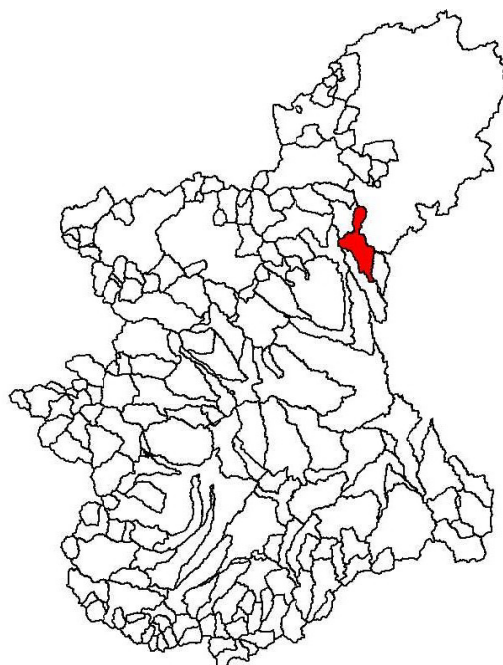
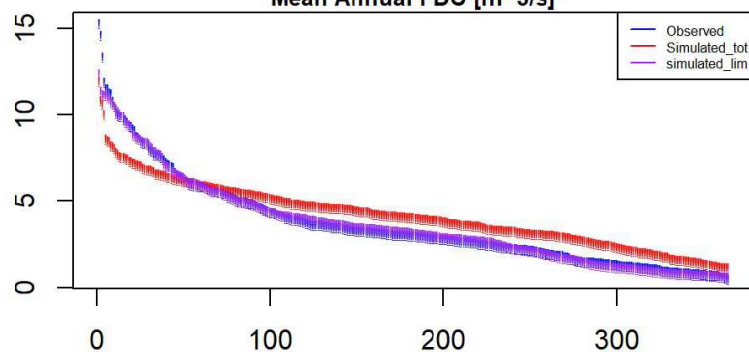
Annual Peak discharge [m<sup>3</sup>/s]



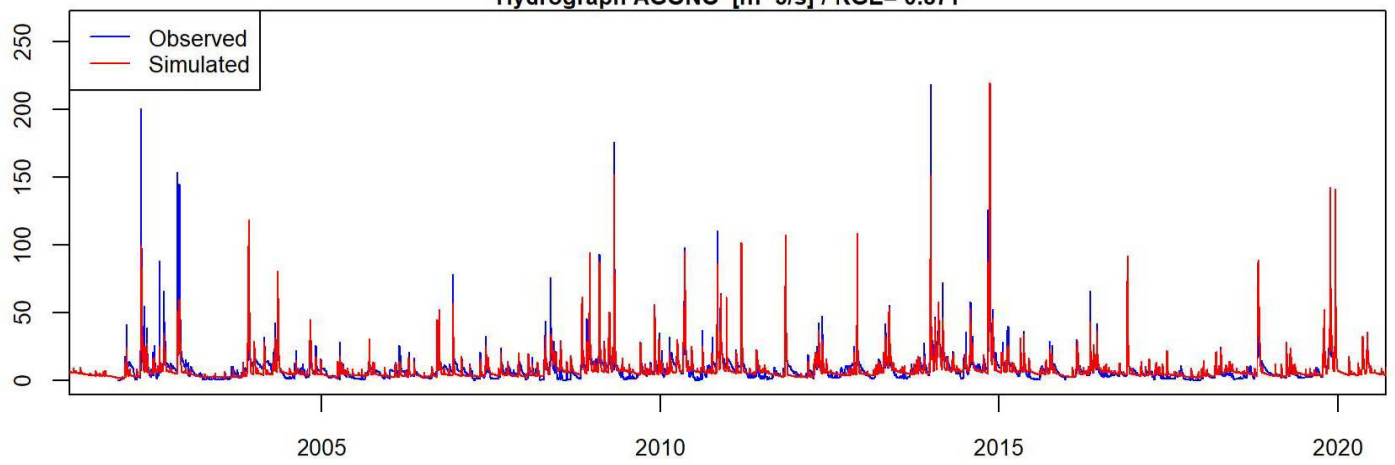
Regime Curve [m<sup>3</sup>/s]



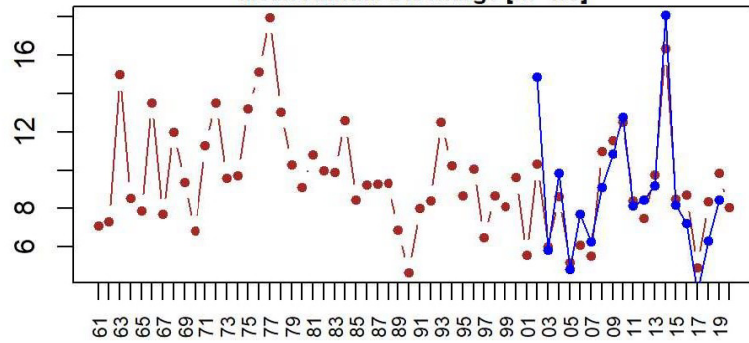
Mean Annual FDC [m<sup>3</sup>/s]



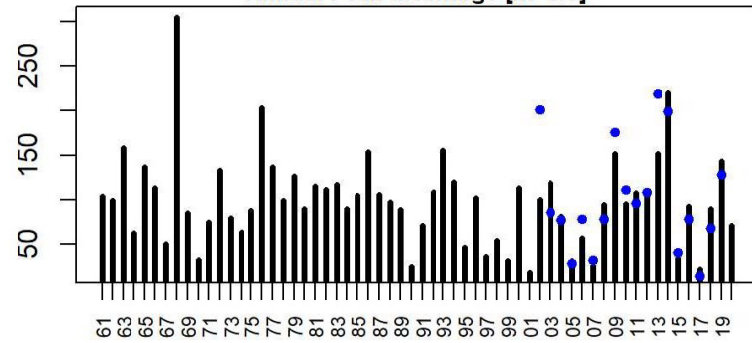
Hydrograph AGONO [ $\text{m}^3/\text{s}$ ] / KGE= 0.871



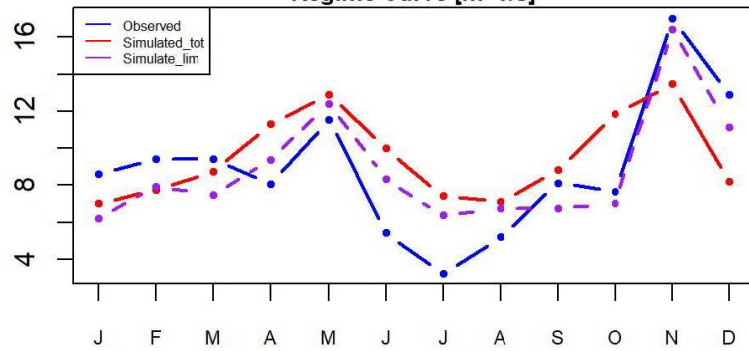
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



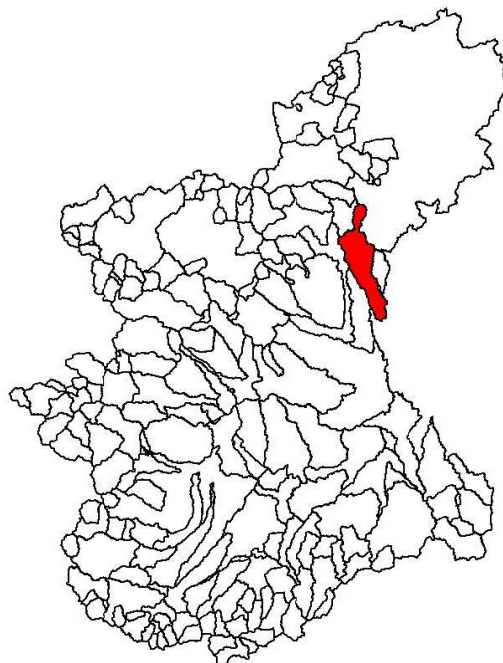
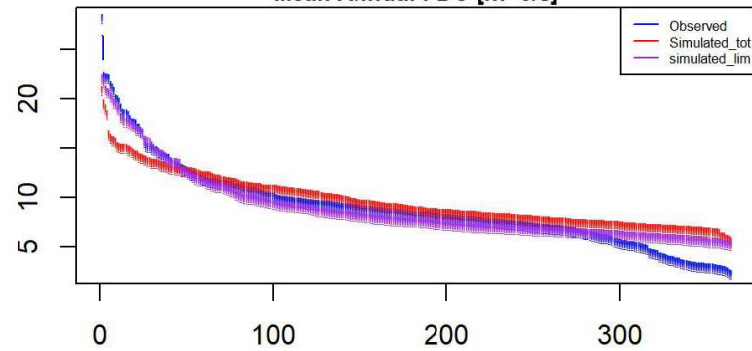
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



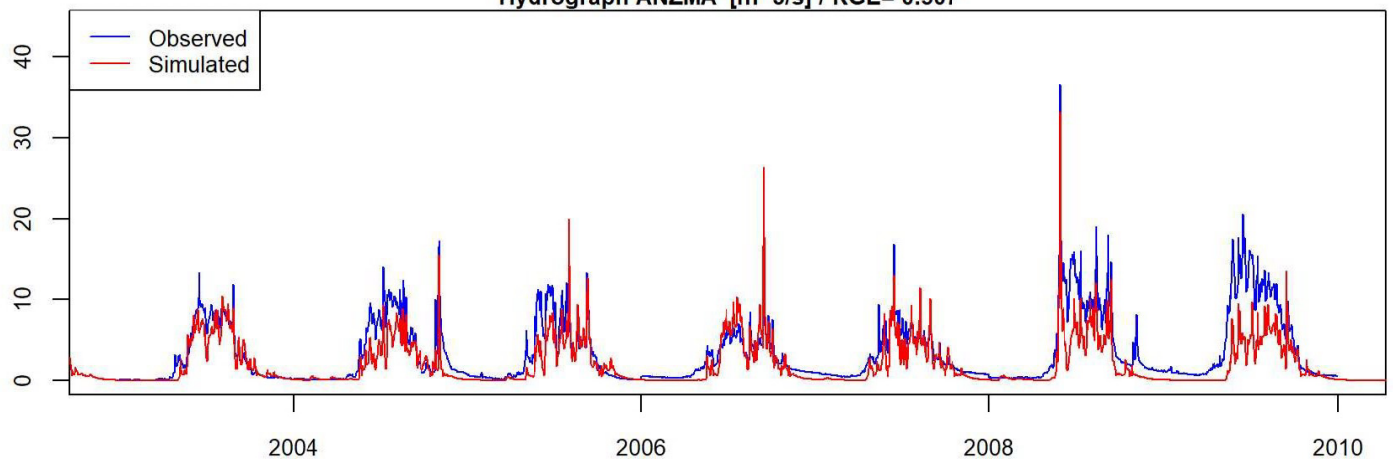
Regime Curve [ $\text{m}^3/\text{s}$ ]



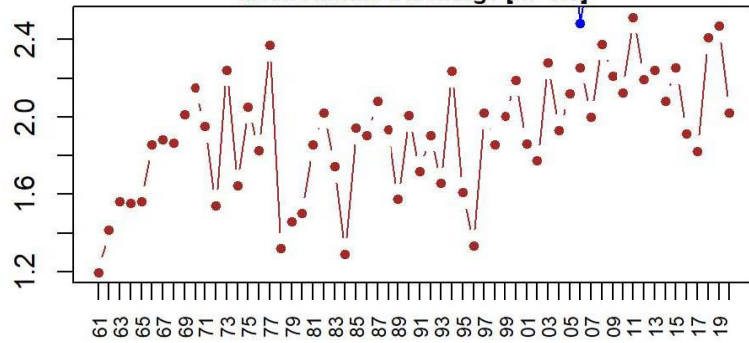
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



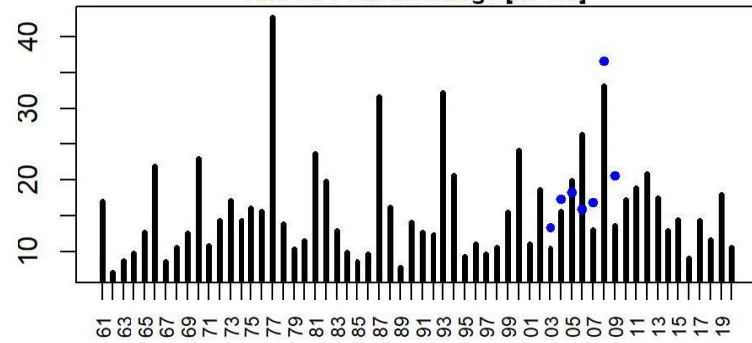
Hydrograph ANZMA [m<sup>3</sup>/s] / KGE= 0.507



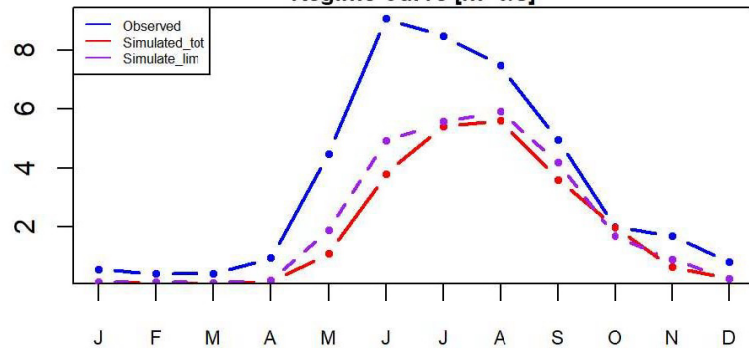
Mean Annual Discharge [m<sup>3</sup>/s]



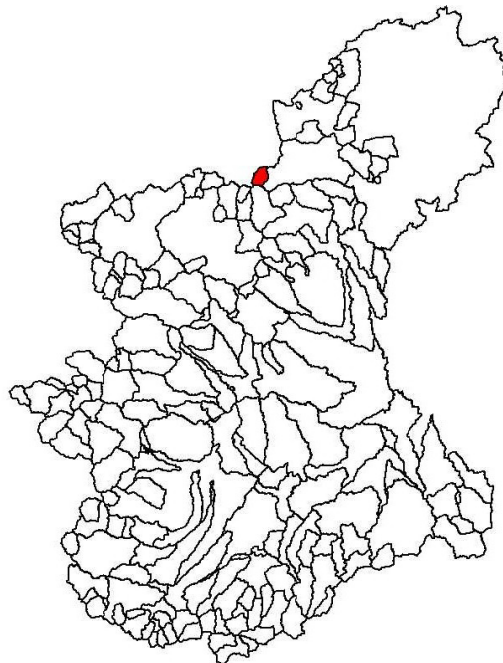
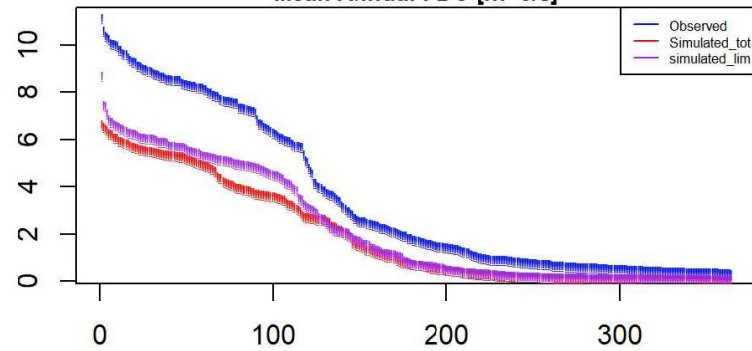
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

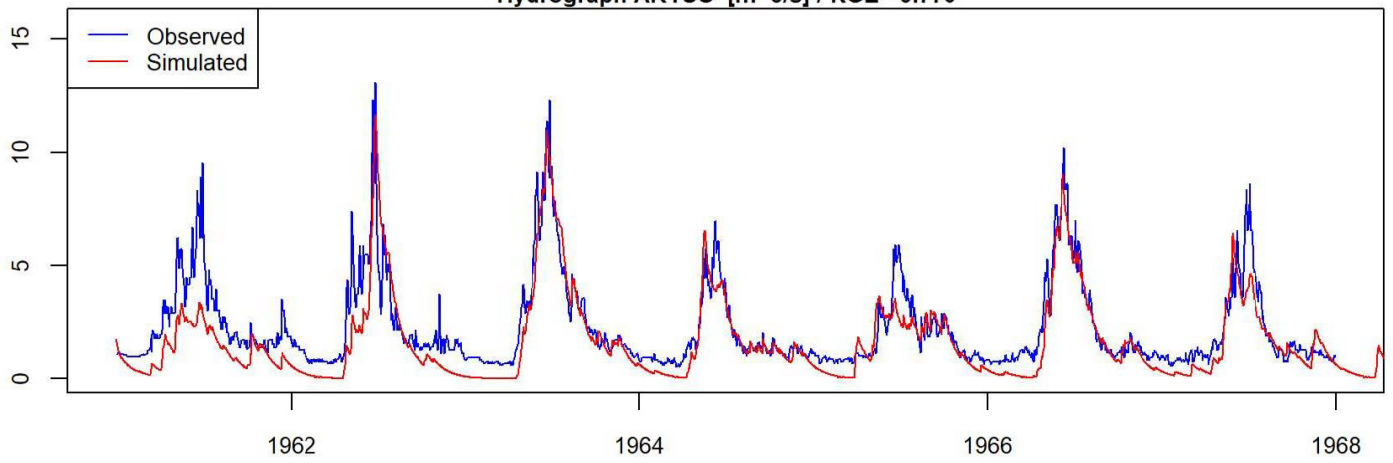


Mean Annual FDC [m<sup>3</sup>/s]

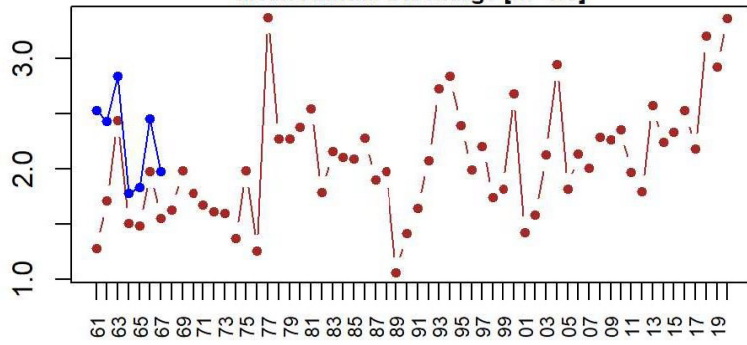




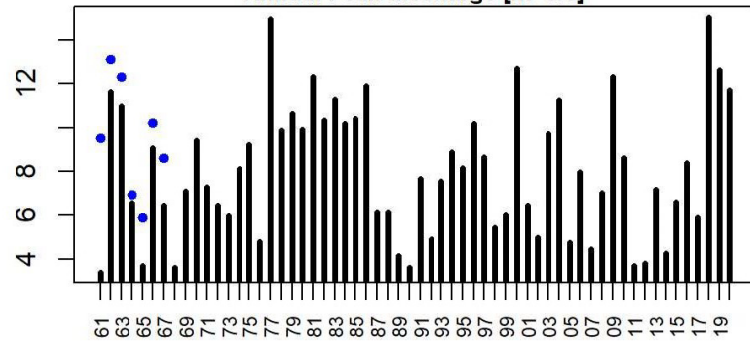
Hydrograph ARTSO [ $\text{m}^3/\text{s}$ ] / KGE= 0.775



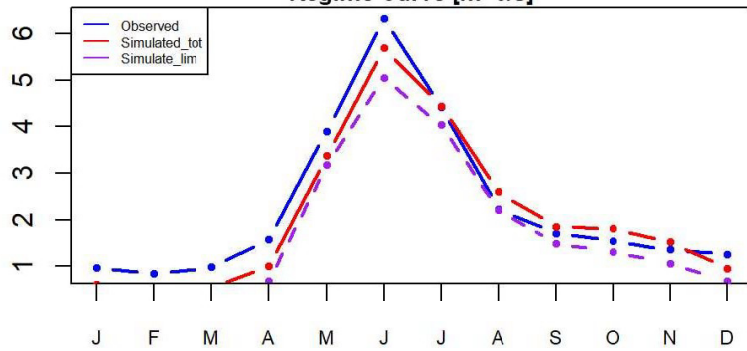
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



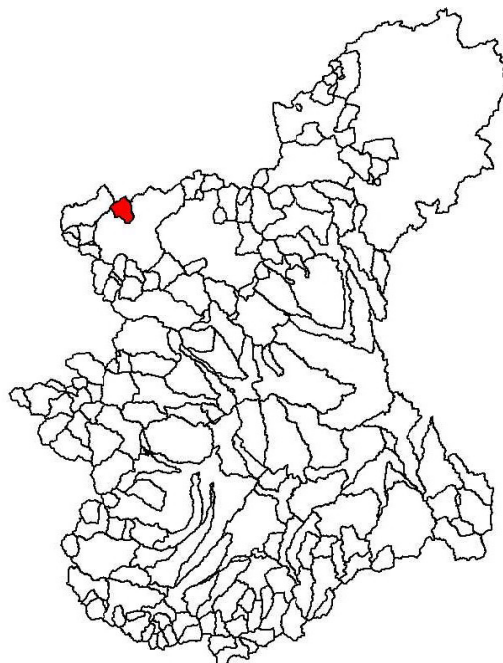
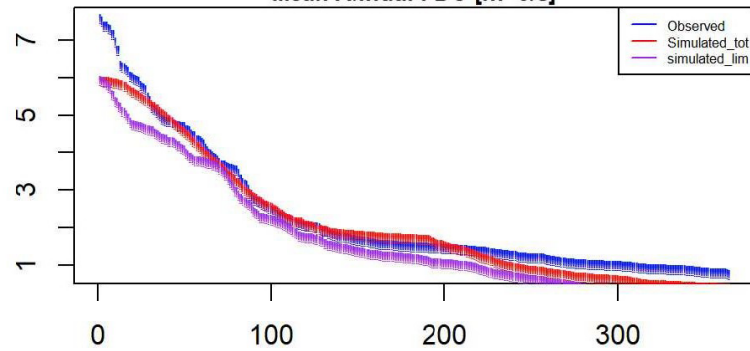
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



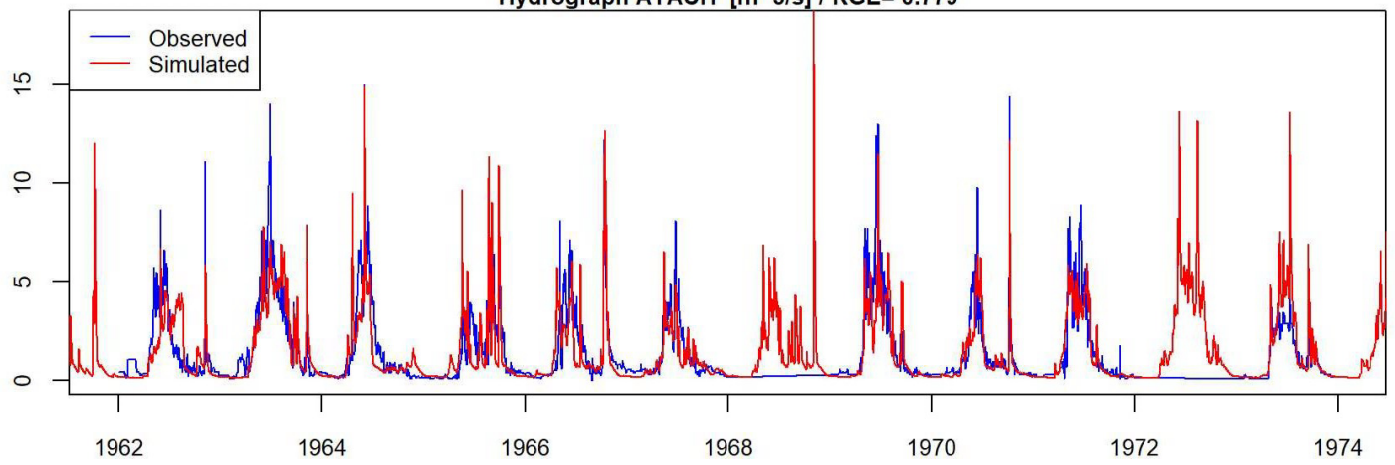
Regime Curve [ $\text{m}^3/\text{s}$ ]



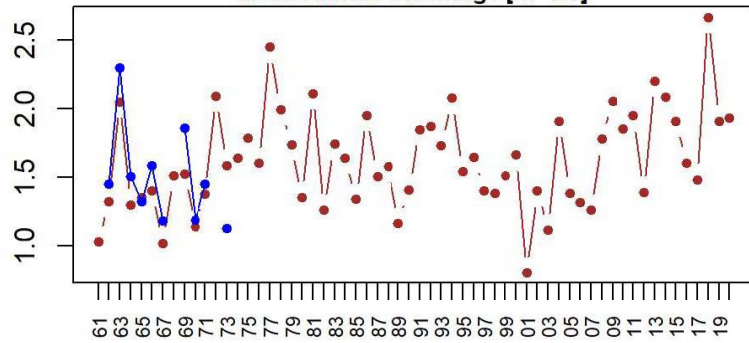
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



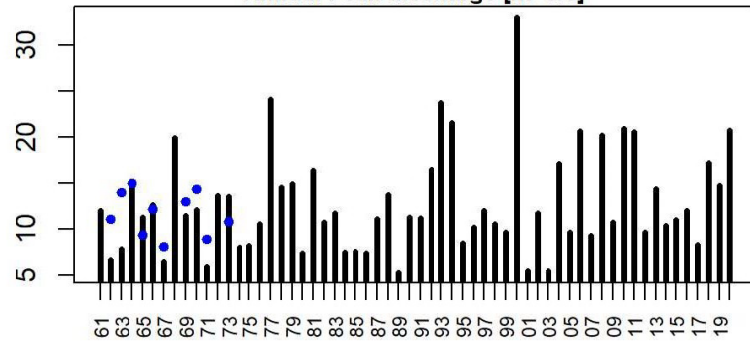
Hydrograph AYACH [ $\text{m}^3/\text{s}$ ] / KGE= 0.779



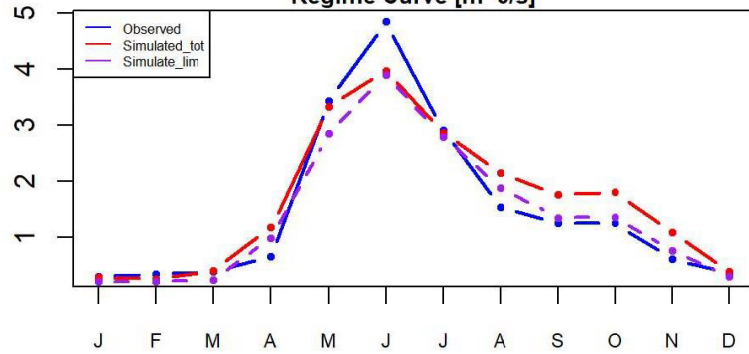
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



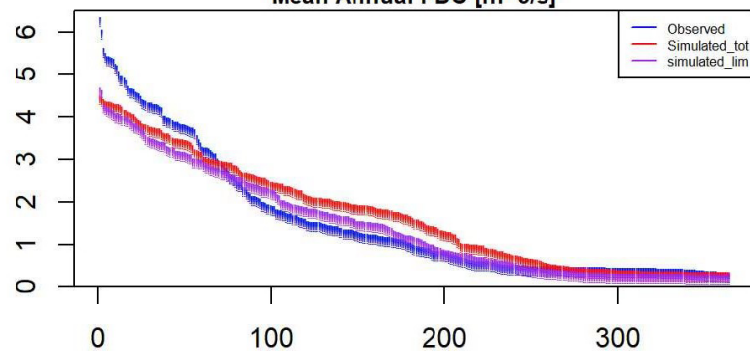
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



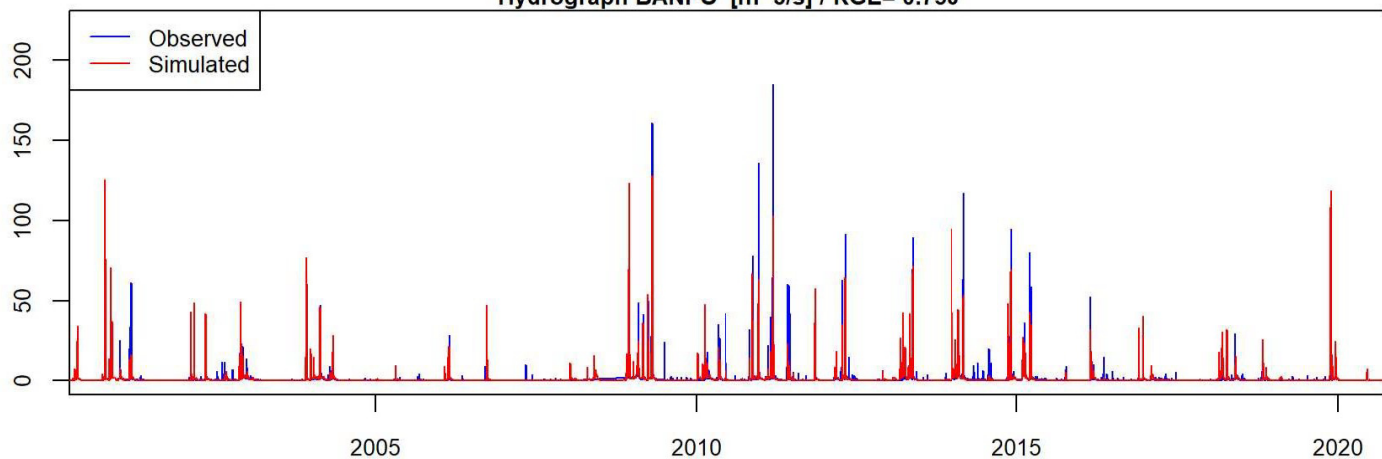
Regime Curve [ $\text{m}^3/\text{s}$ ]



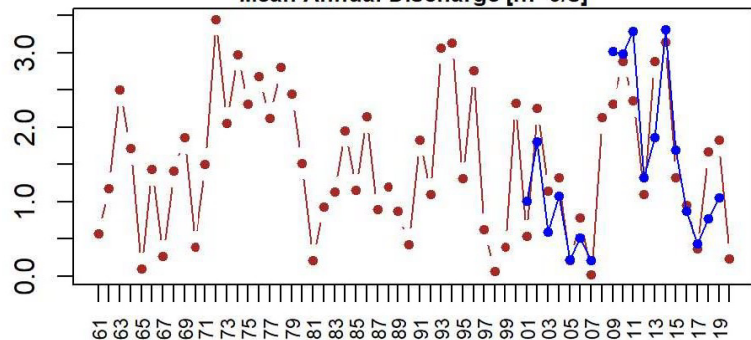
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



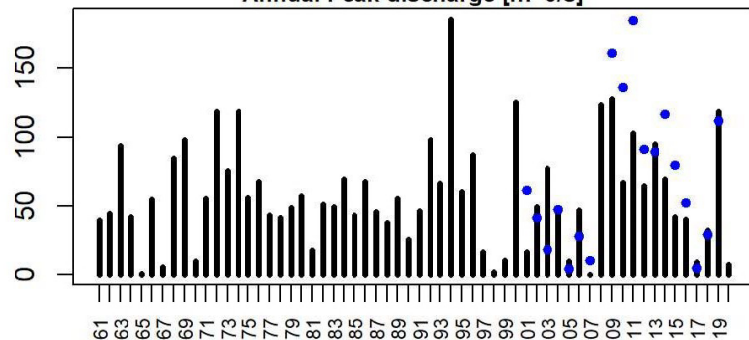
Hydrograph BANPO [ $\text{m}^3/\text{s}$ ] / KGE= 0.758



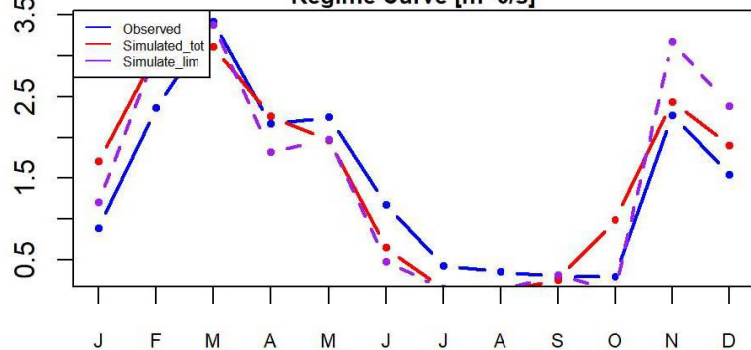
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



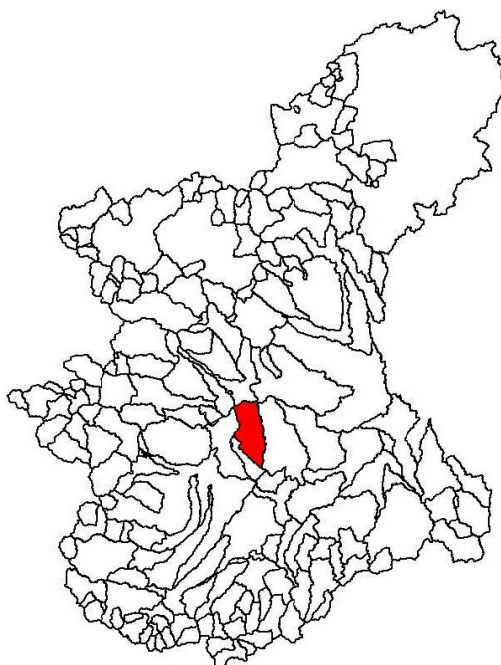
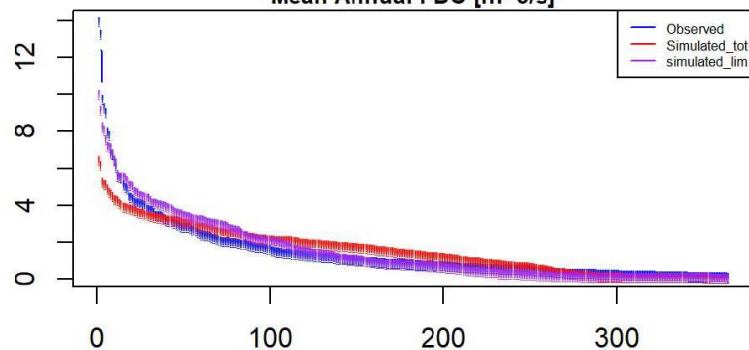
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

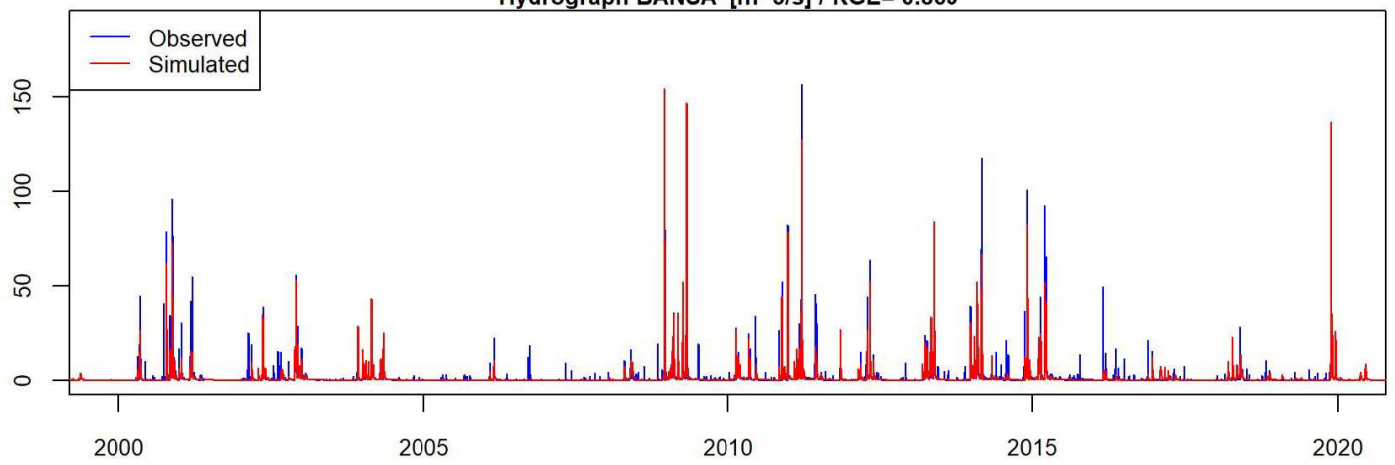


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

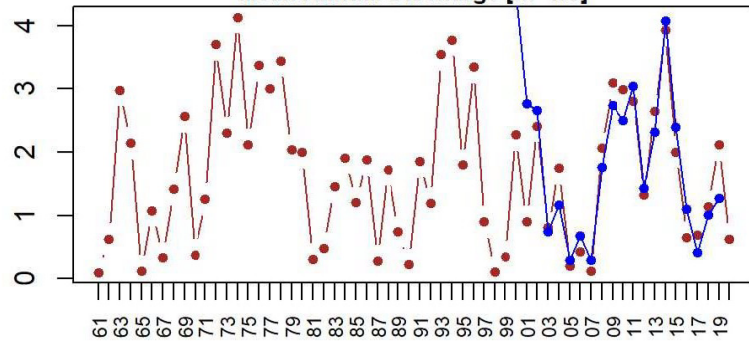




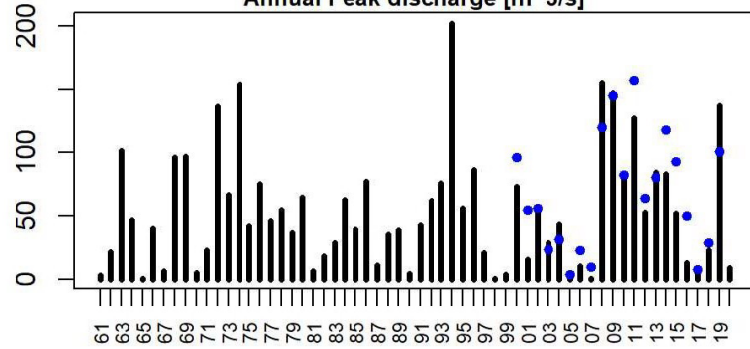
Hydrograph BANSA [m<sup>3</sup>/s] / KGE= 0.863



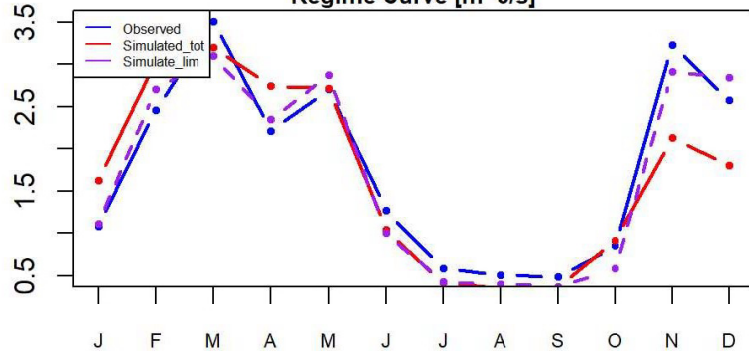
Mean Annual Discharge [m<sup>3</sup>/s]



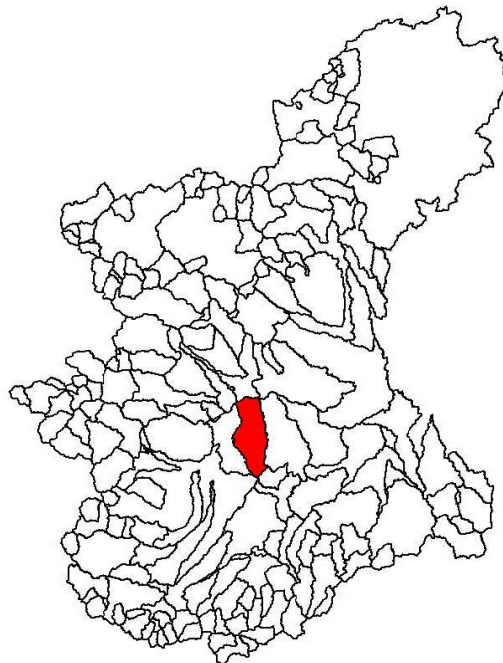
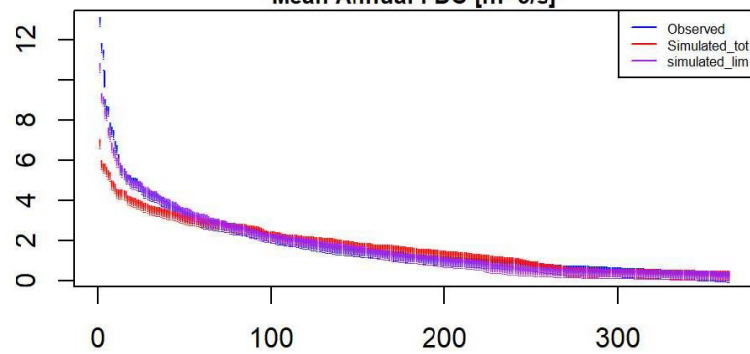
Annual Peak discharge [m<sup>3</sup>/s]



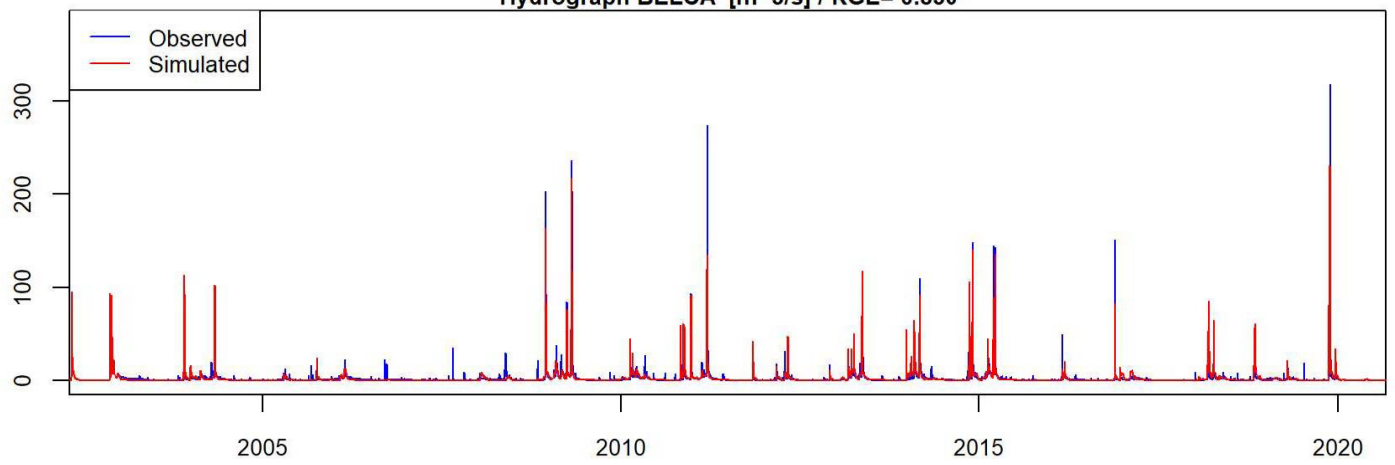
Regime Curve [m<sup>3</sup>/s]



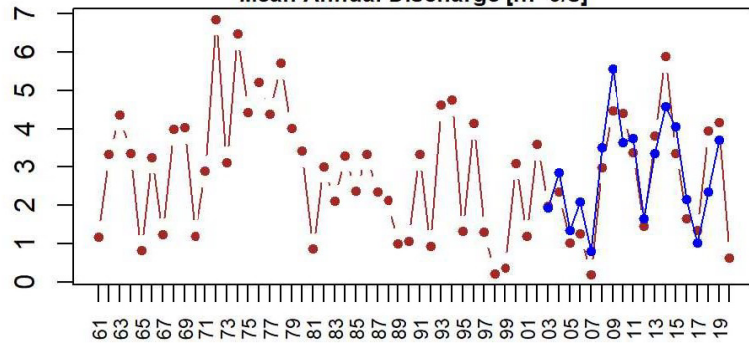
Mean Annual FDC [m<sup>3</sup>/s]



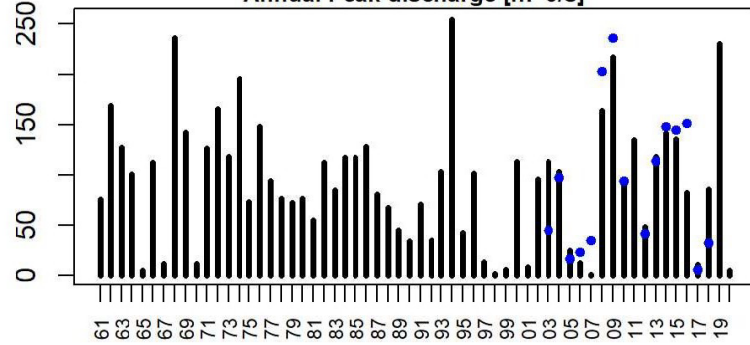
Hydrograph BELCA [m<sup>3</sup>/s] / KGE= 0.836



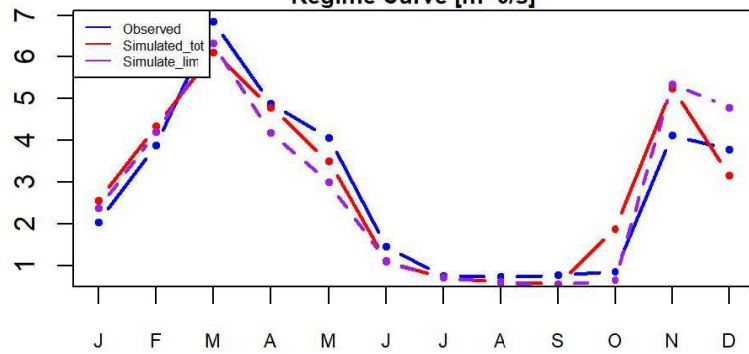
Mean Annual Discharge [m<sup>3</sup>/s]



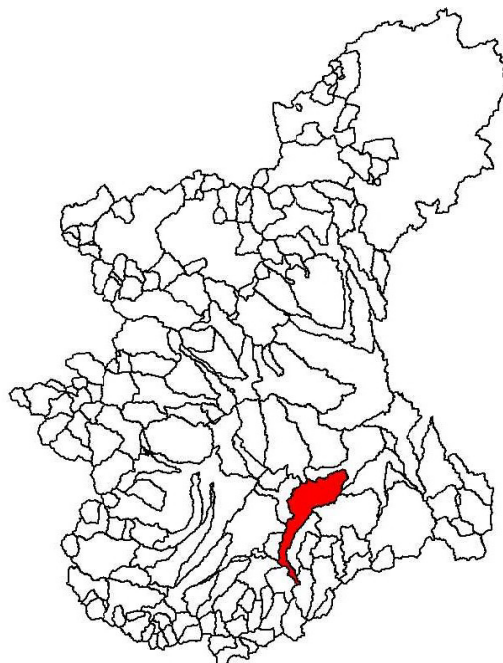
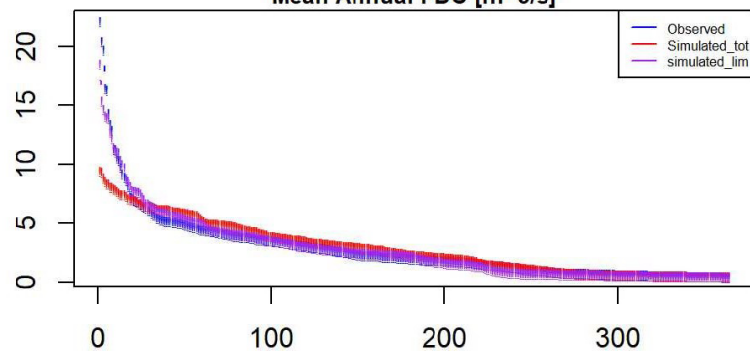
Annual Peak discharge [m<sup>3</sup>/s]



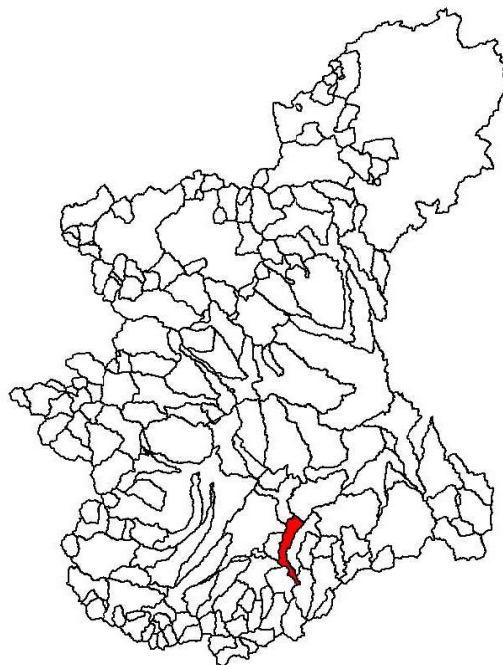
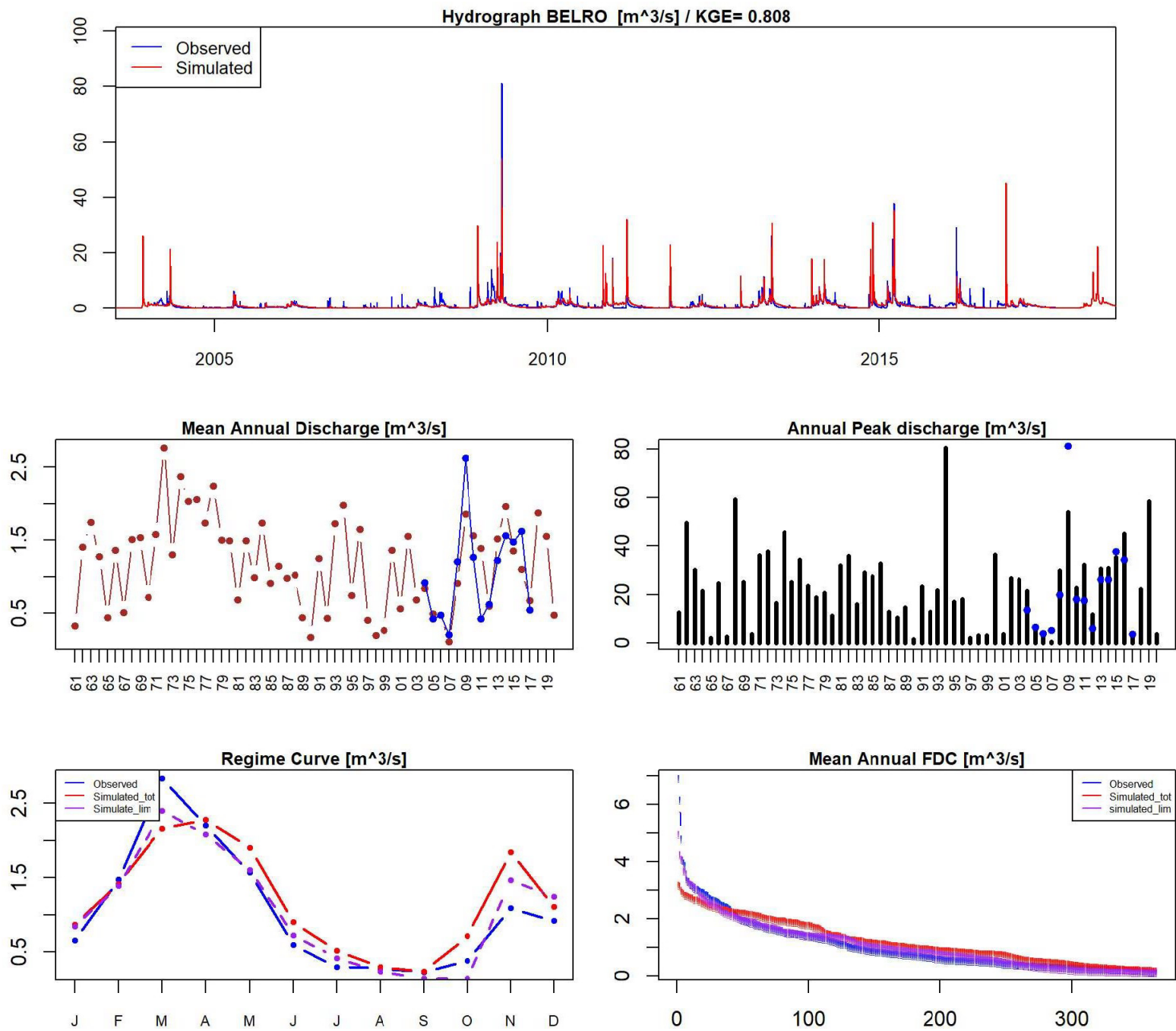
Regime Curve [m<sup>3</sup>/s]



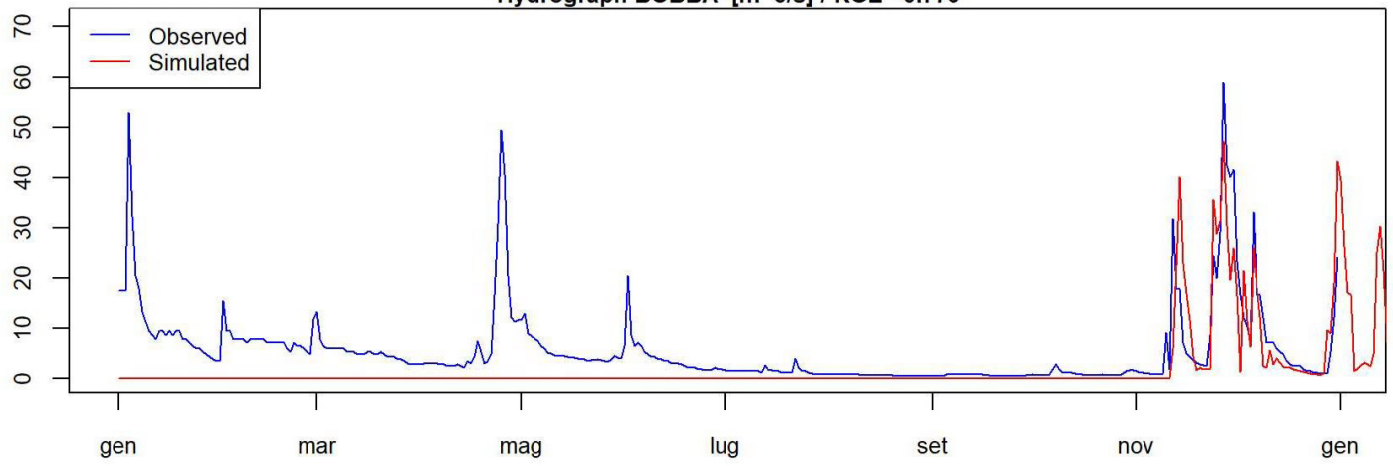
Mean Annual FDC [m<sup>3</sup>/s]



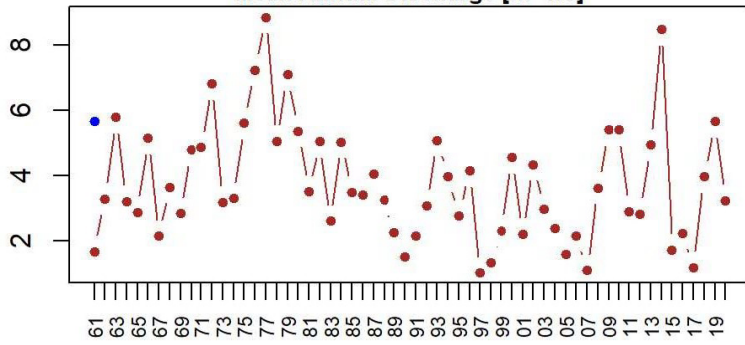




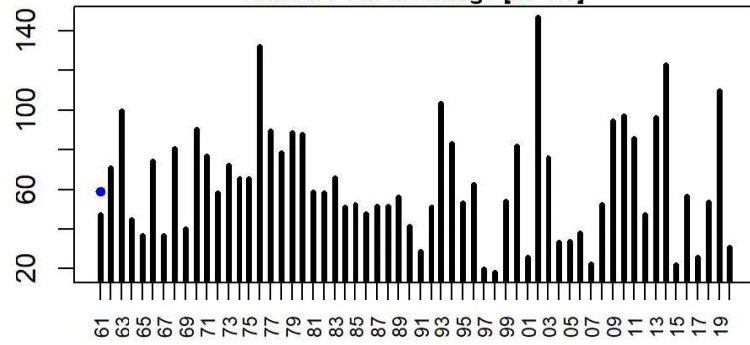
Hydrograph BOBBA [ $\text{m}^3/\text{s}$ ] / KGE= 0.778



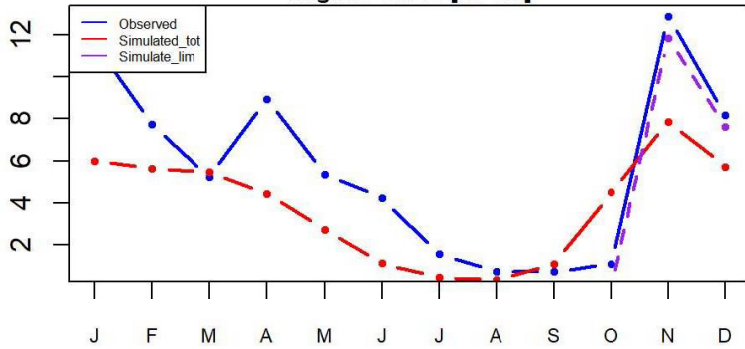
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



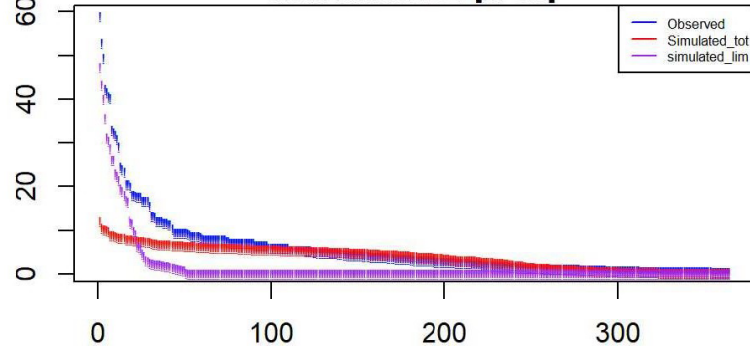
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



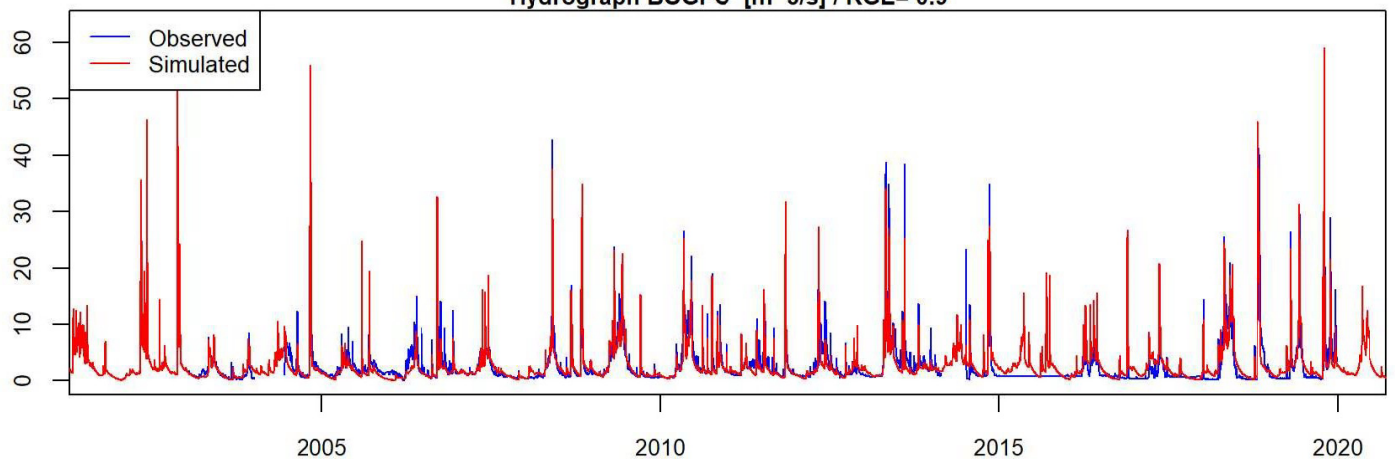
Regime Curve [ $\text{m}^3/\text{s}$ ]



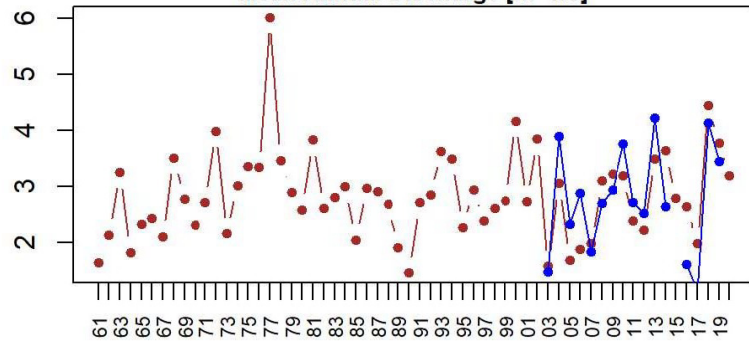
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



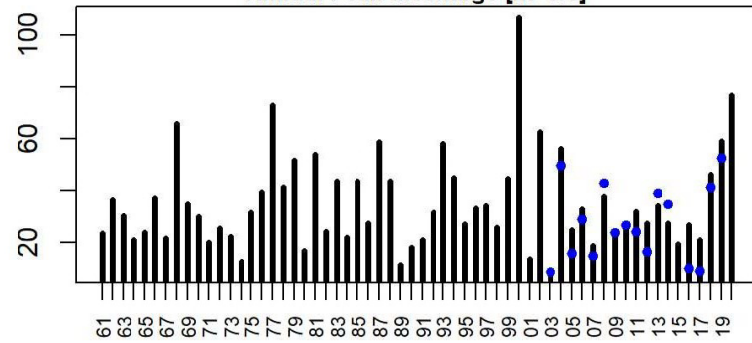
Hydrograph BOGPC [ $\text{m}^3/\text{s}$ ] / KGE= 0.9



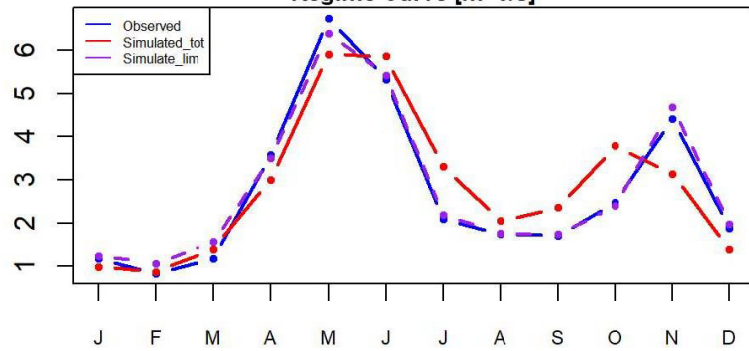
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



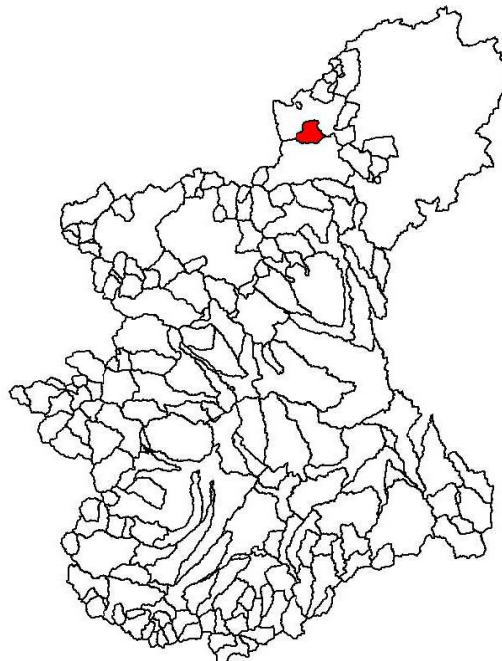
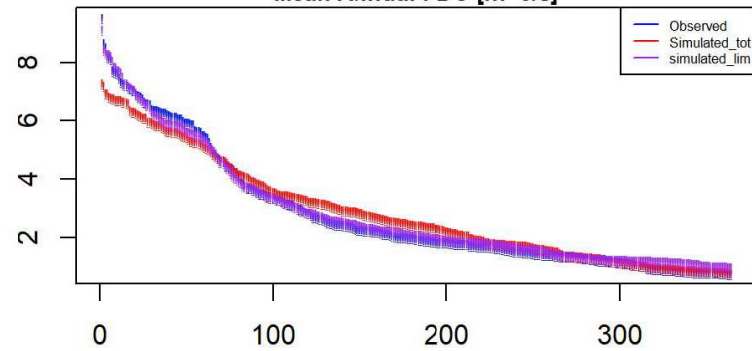
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

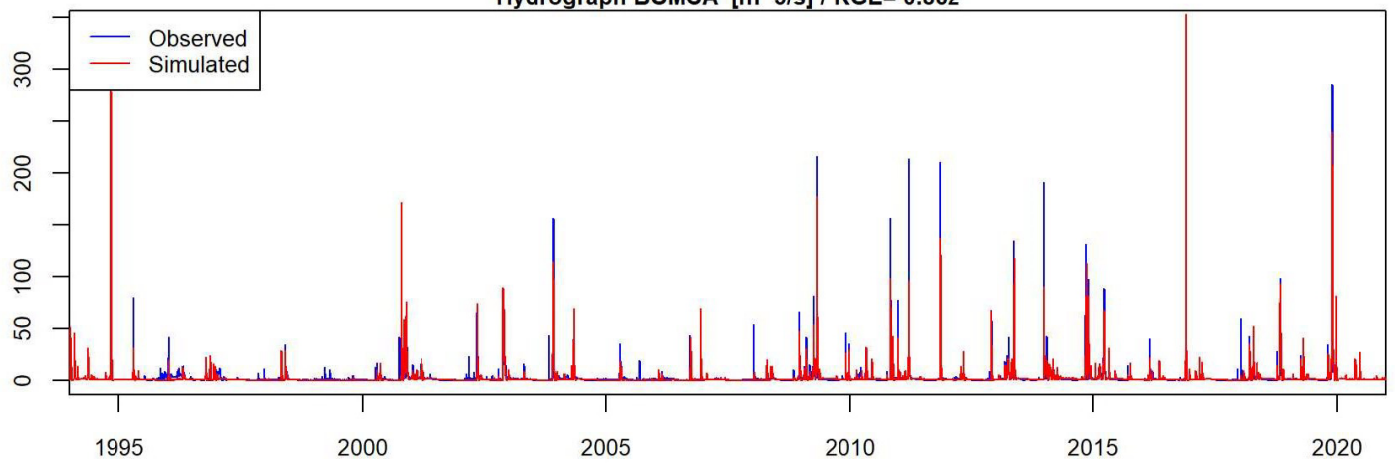


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

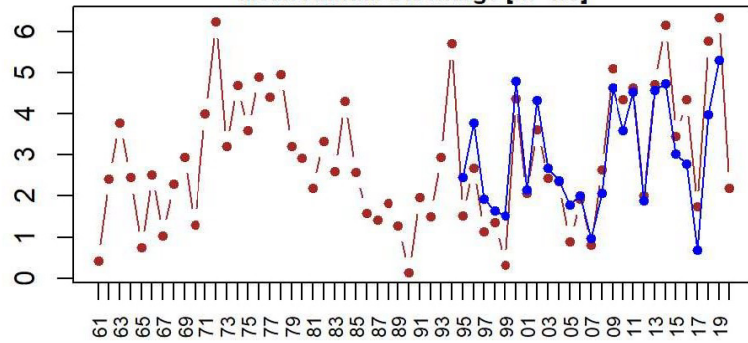




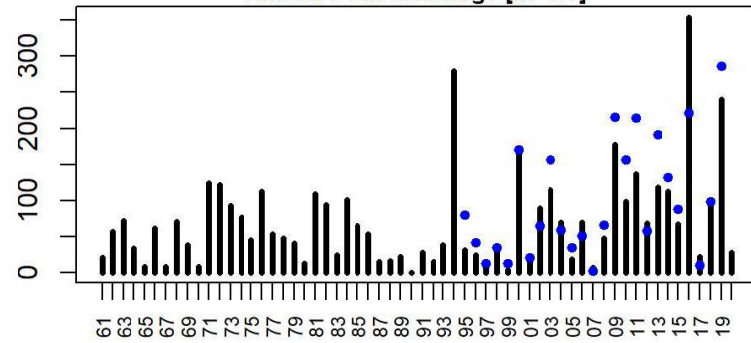
Hydrograph BOMCA [m<sup>3</sup>/s] / KGE= 0.862



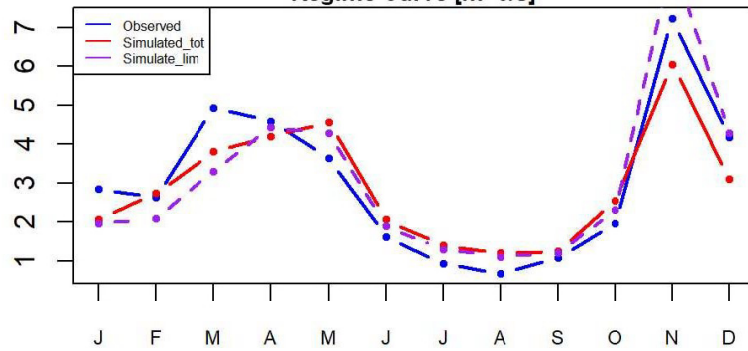
Mean Annual Discharge [m<sup>3</sup>/s]



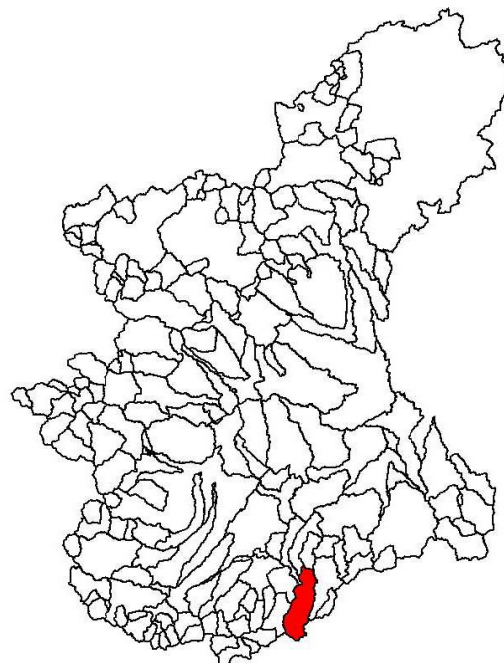
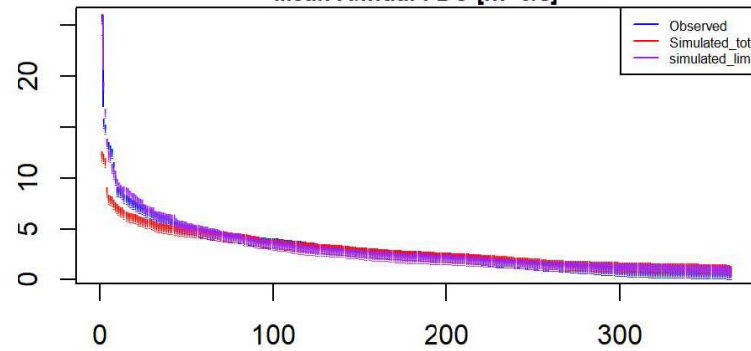
Annual Peak discharge [m<sup>3</sup>/s]



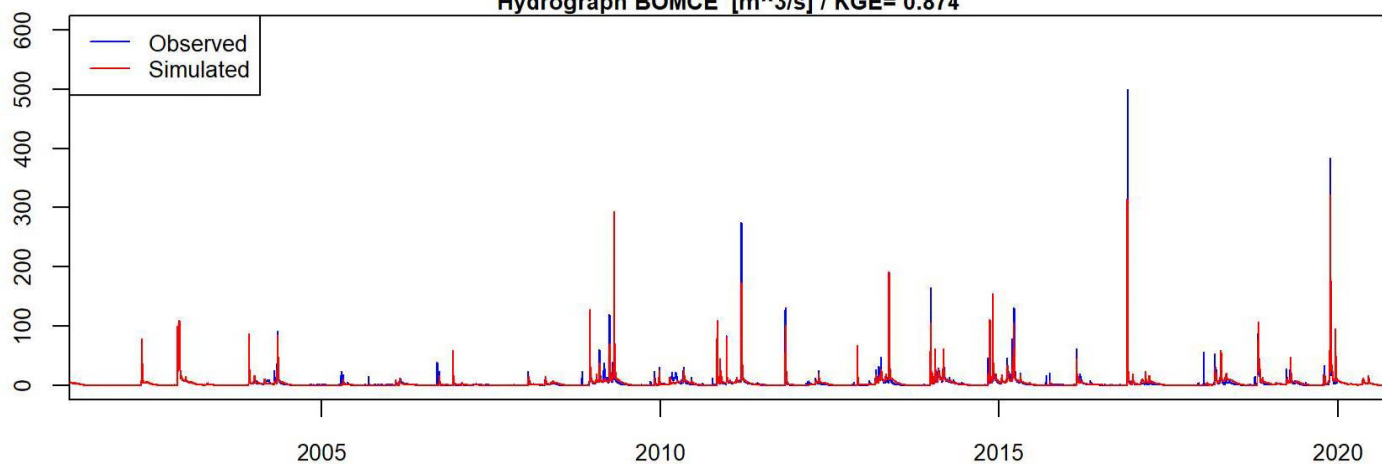
Regime Curve [m<sup>3</sup>/s]



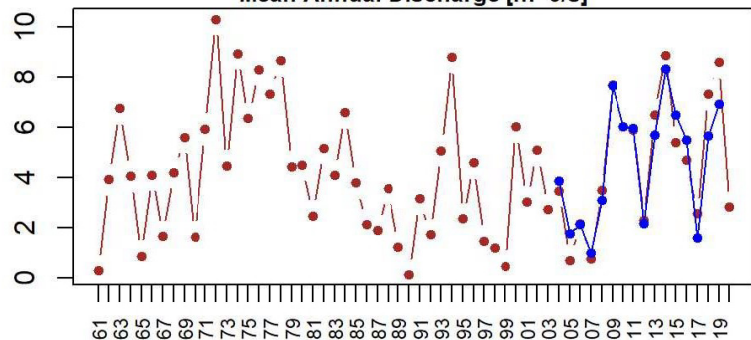
Mean Annual FDC [m<sup>3</sup>/s]



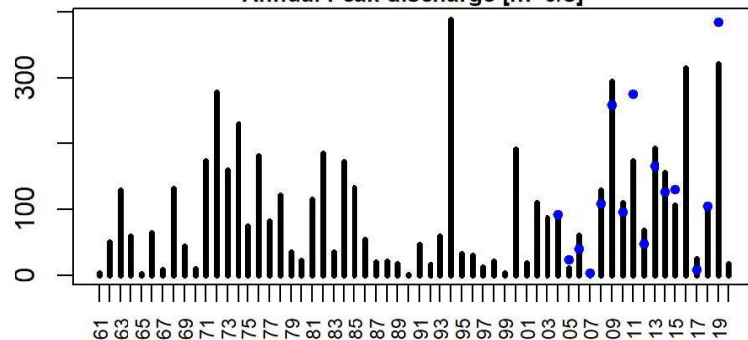
Hydrograph BOMCE [ $\text{m}^3/\text{s}$ ] / KGE= 0.874



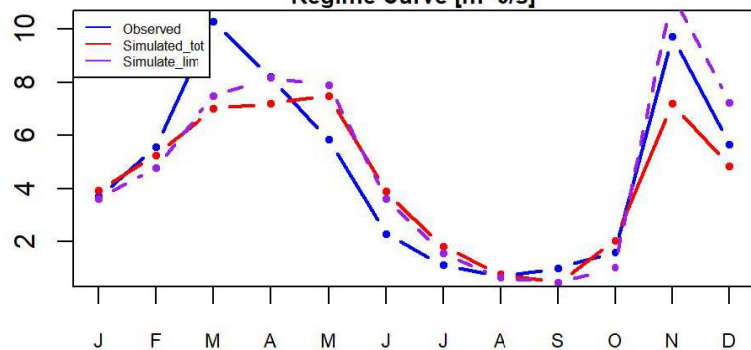
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



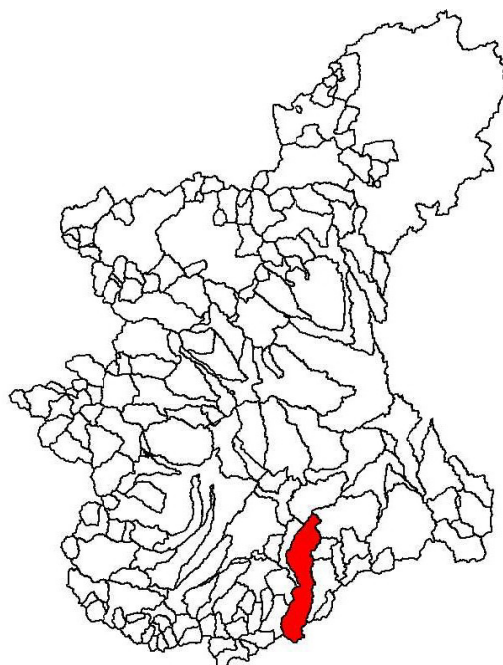
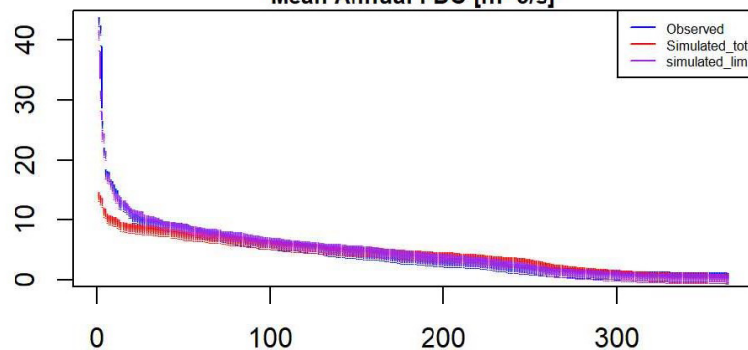
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



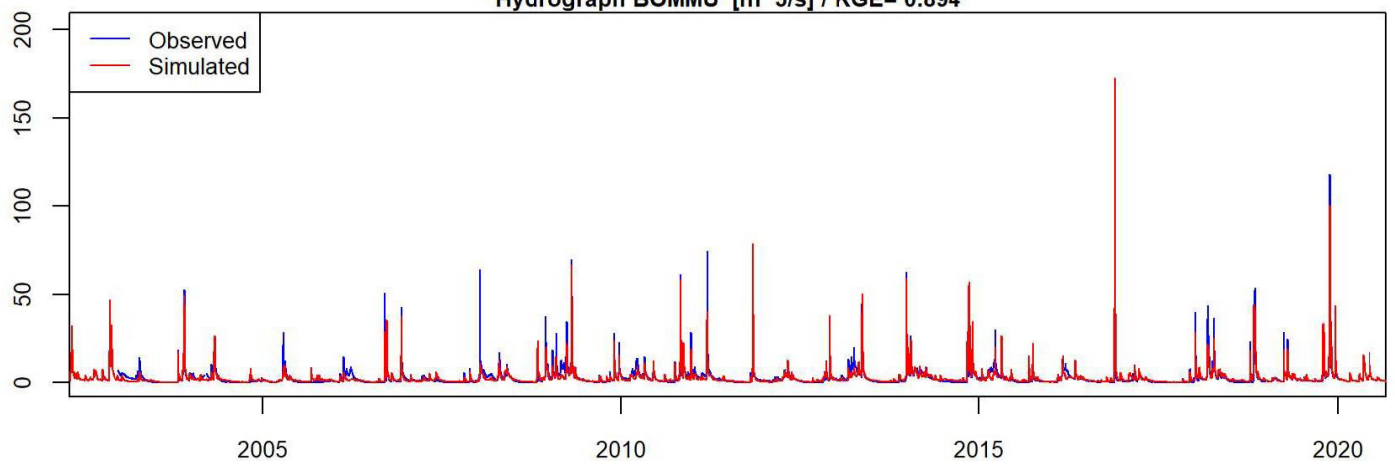
Regime Curve [ $\text{m}^3/\text{s}$ ]



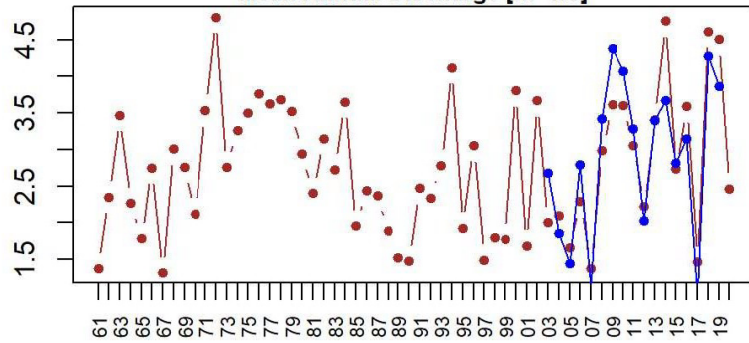
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



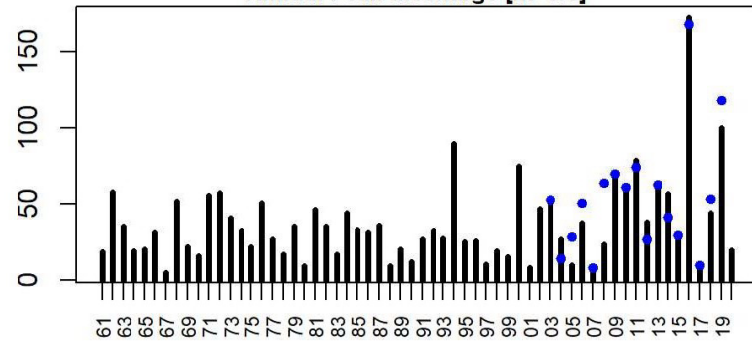
Hydrograph BOMMU [ $\text{m}^3/\text{s}$ ] / KGE= 0.894



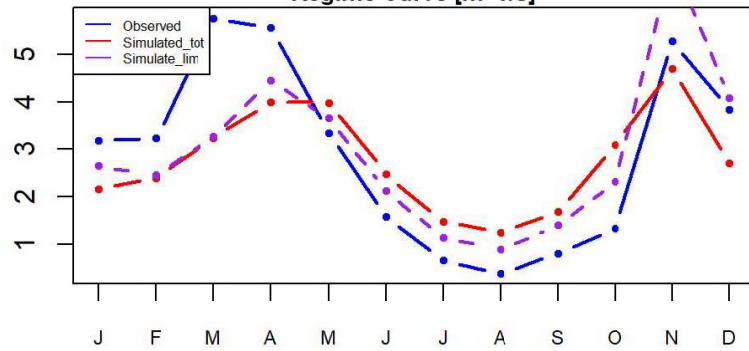
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



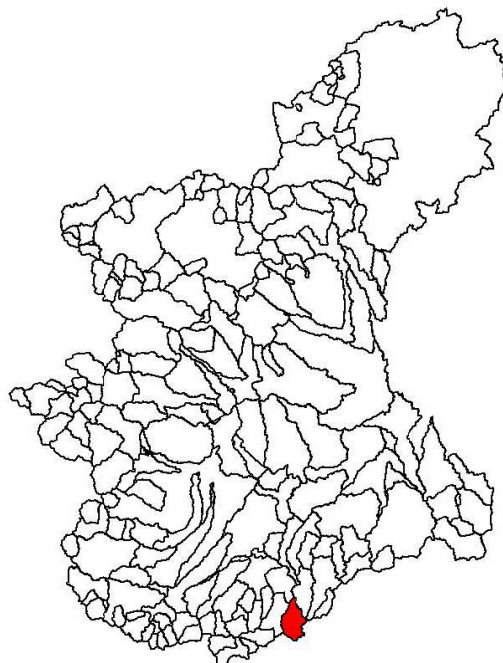
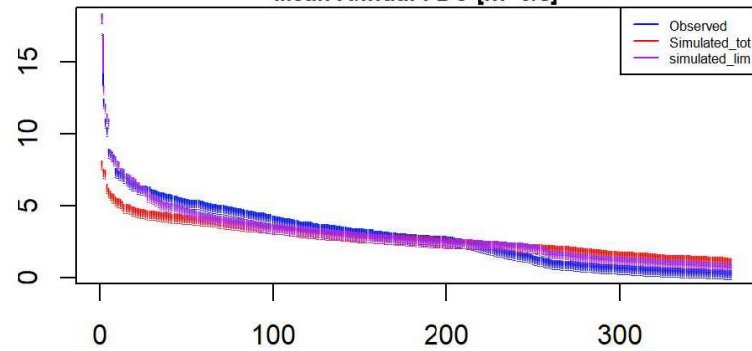
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



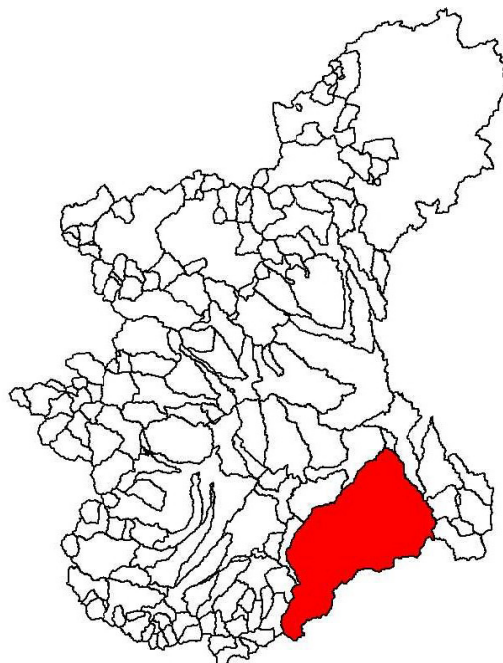
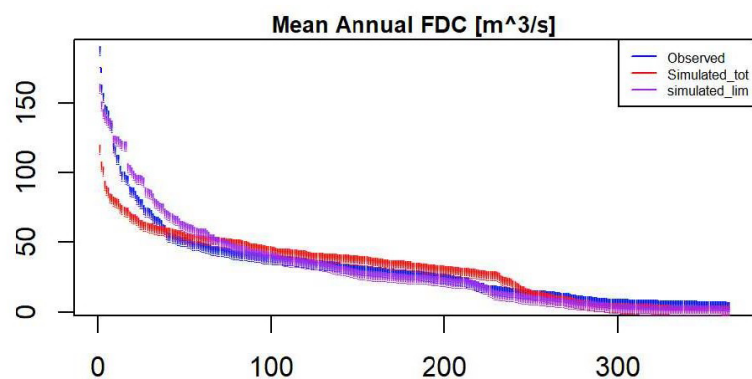
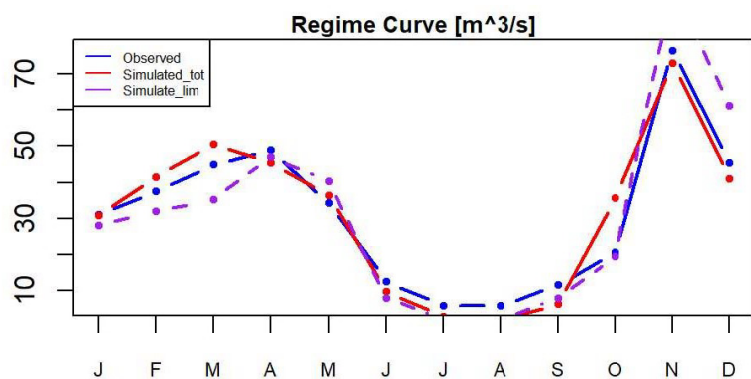
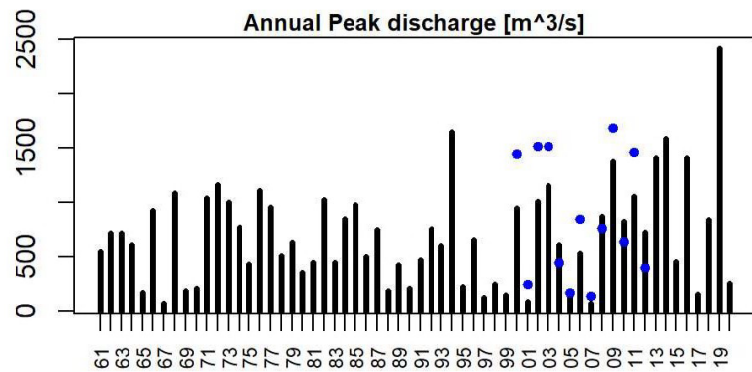
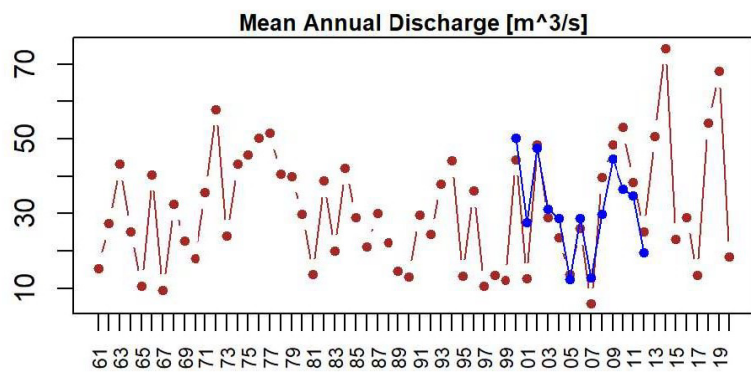
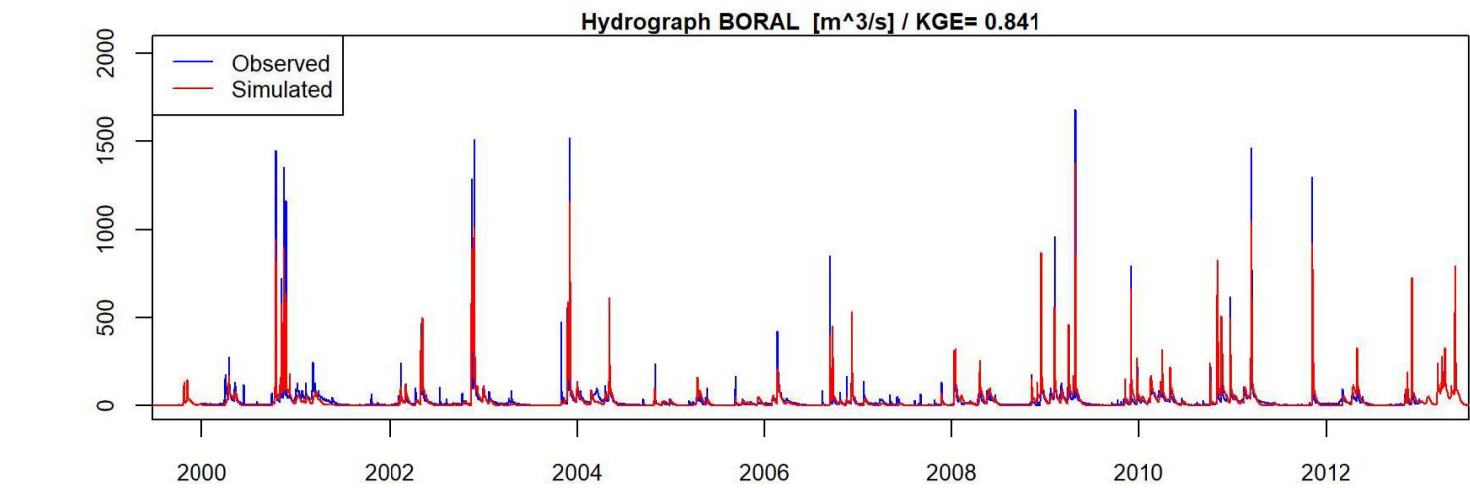
Regime Curve [ $\text{m}^3/\text{s}$ ]



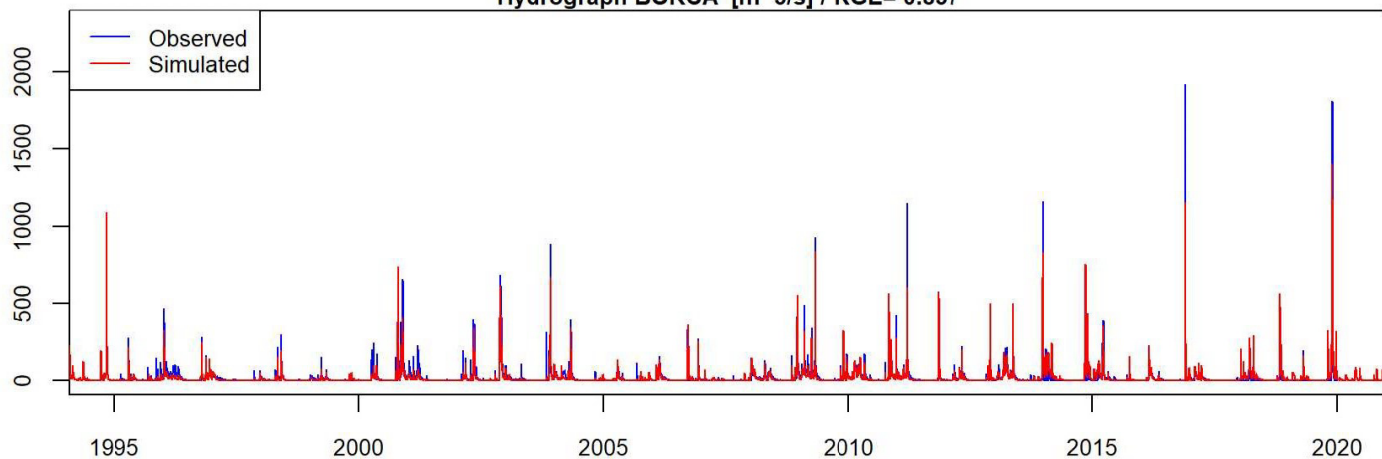
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



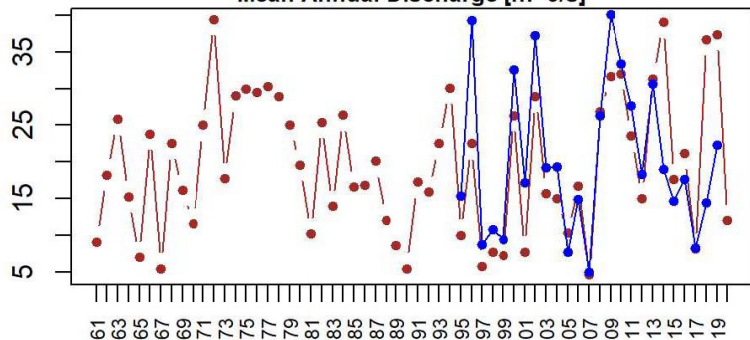




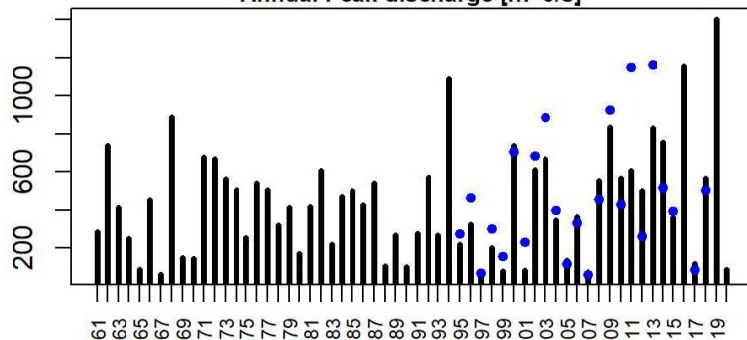
Hydrograph BORCA [m<sup>3</sup>/s] / KGE= 0.837



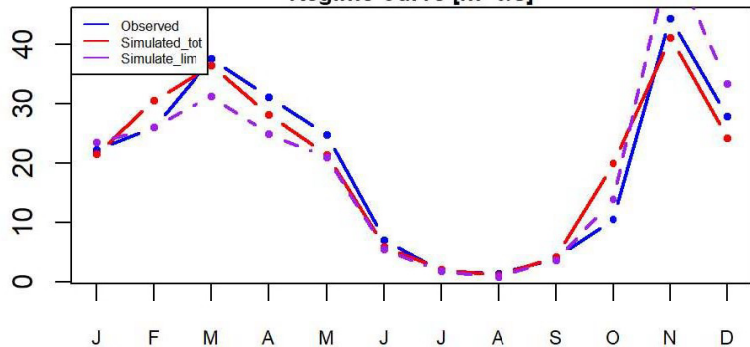
Mean Annual Discharge [m<sup>3</sup>/s]



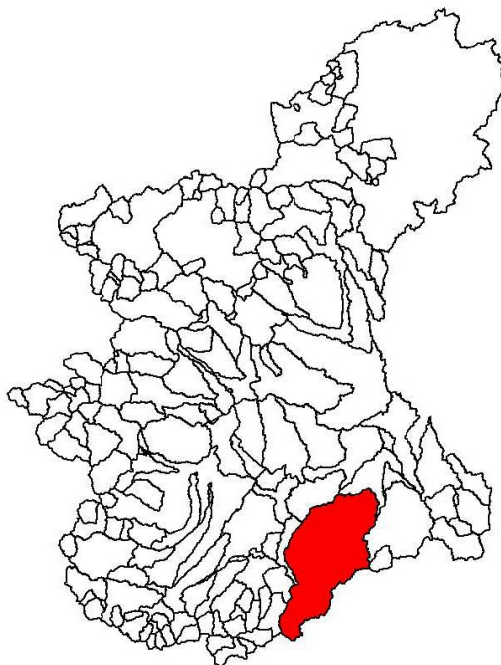
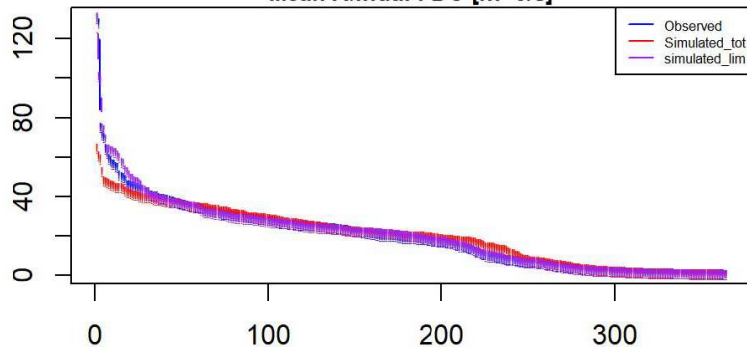
Annual Peak discharge [m<sup>3</sup>/s]



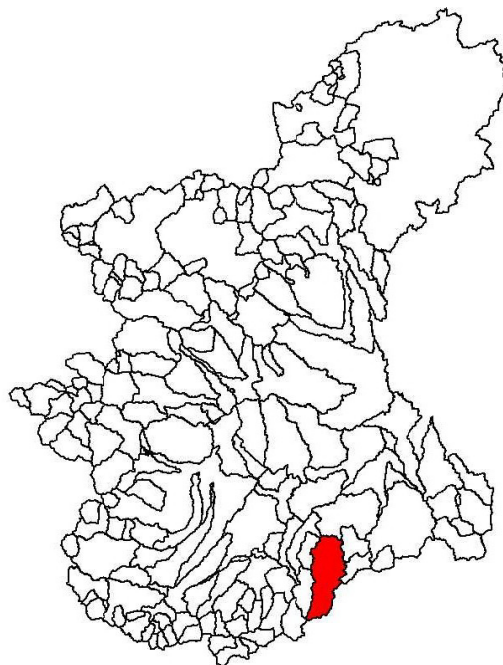
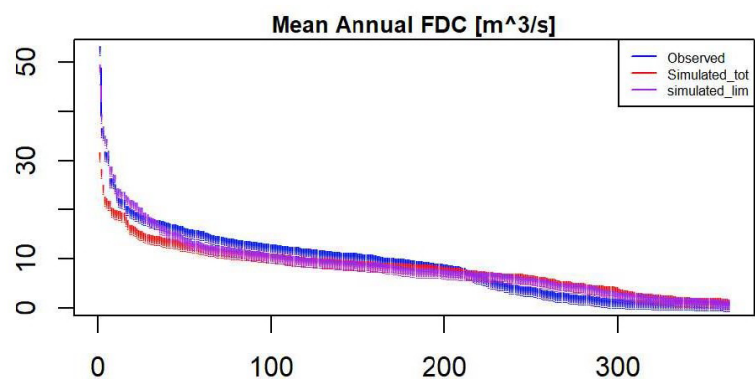
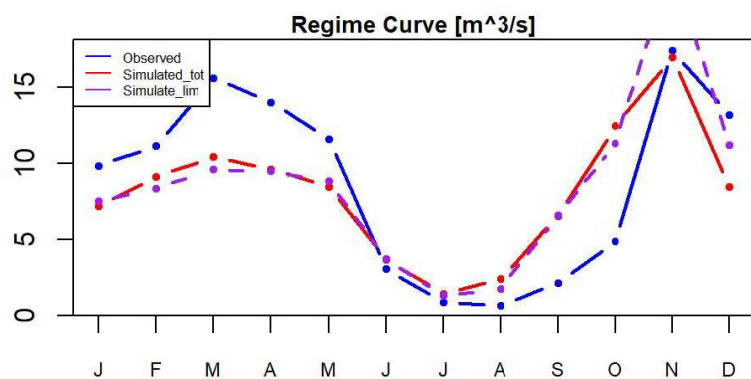
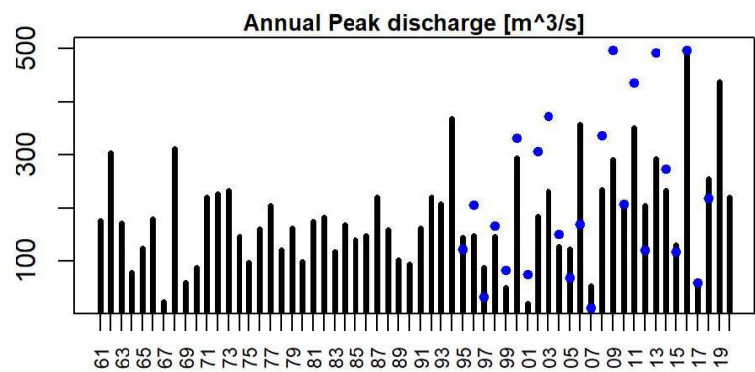
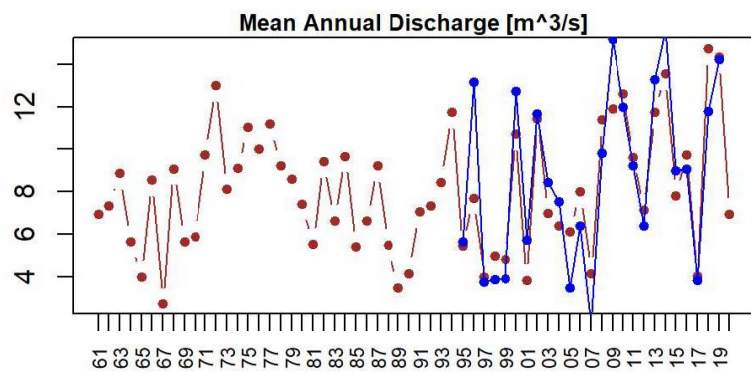
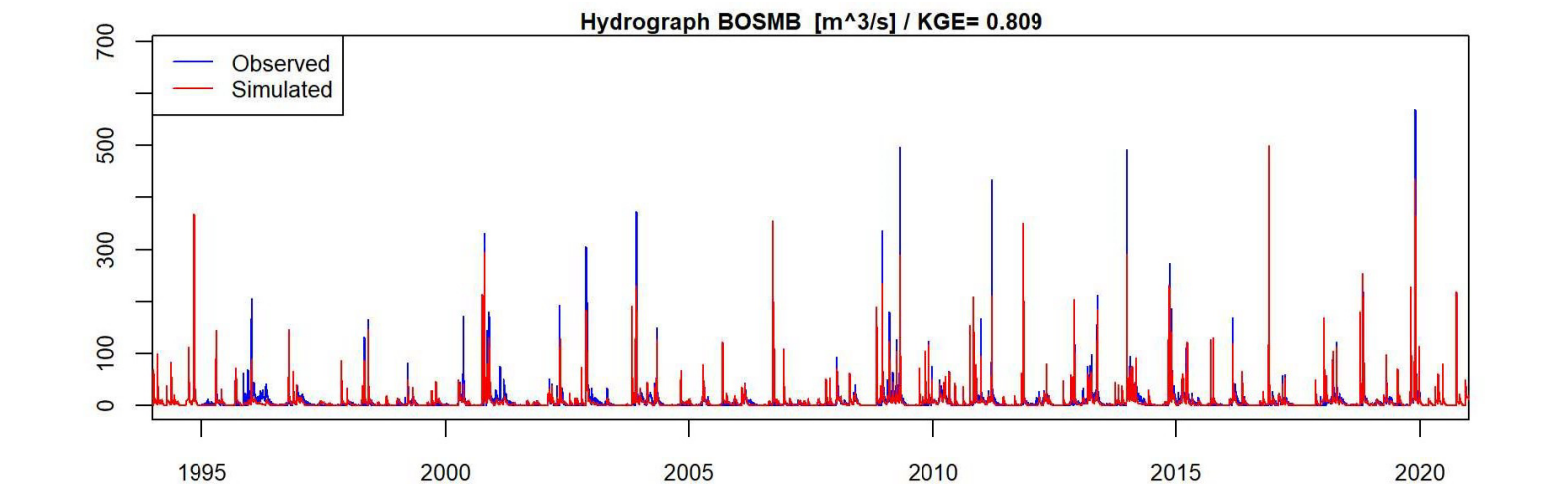
Regime Curve [m<sup>3</sup>/s]



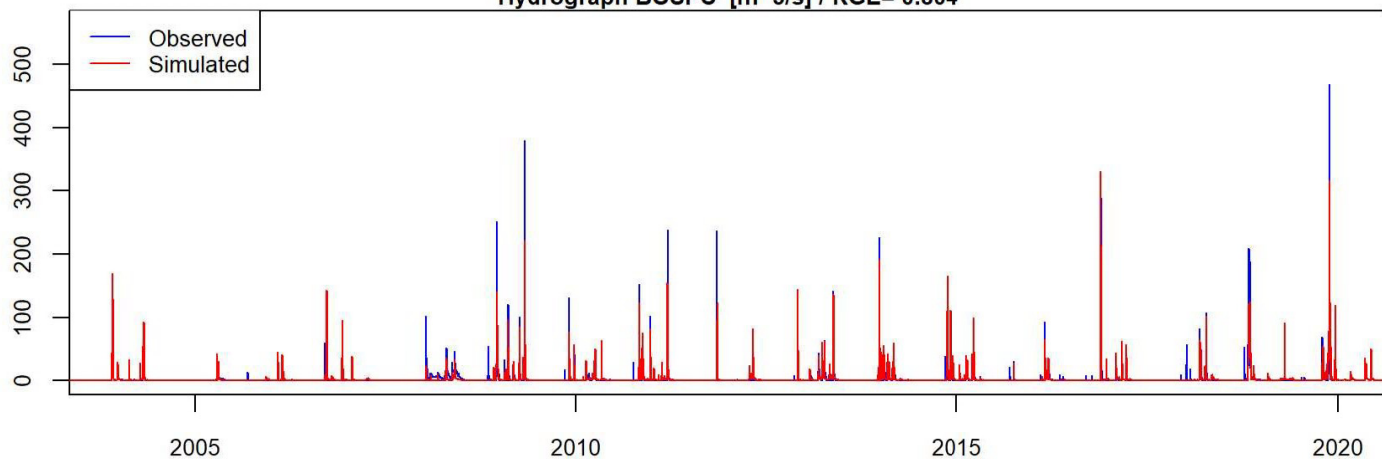
Mean Annual FDC [m<sup>3</sup>/s]



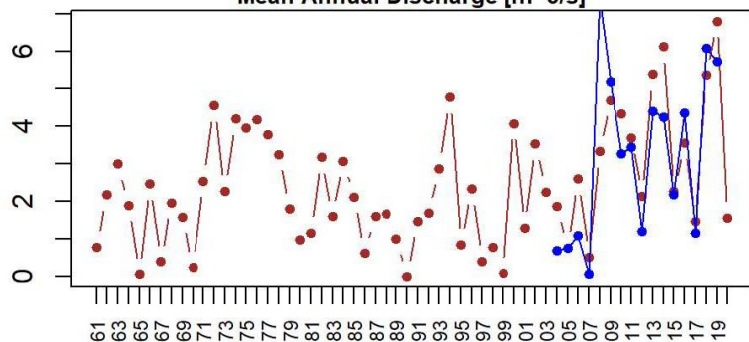




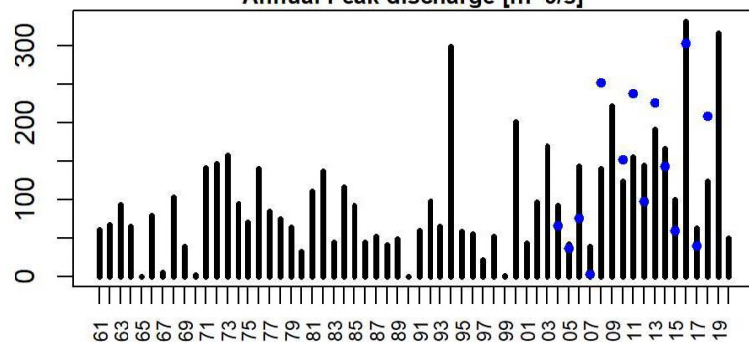
Hydrograph BOSPC [m<sup>3</sup>/s] / KGE= 0.804



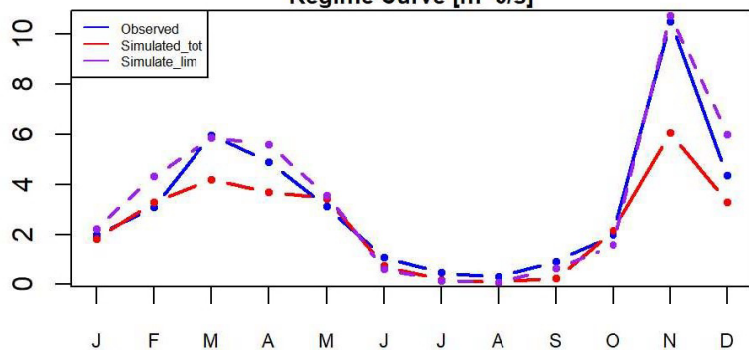
Mean Annual Discharge [m<sup>3</sup>/s]



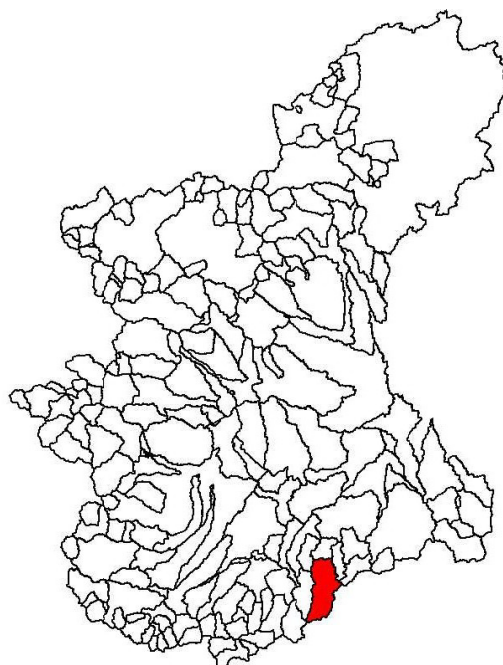
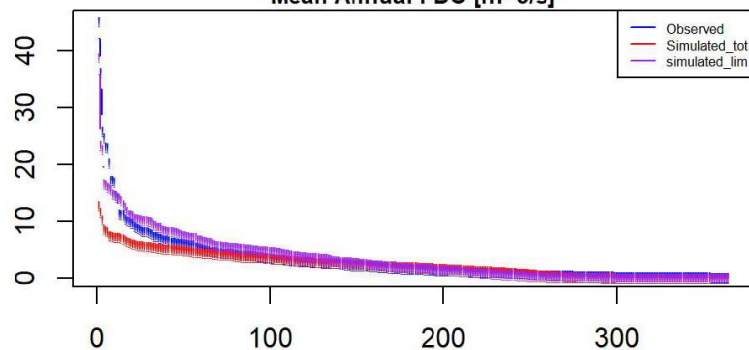
Annual Peak discharge [m<sup>3</sup>/s]



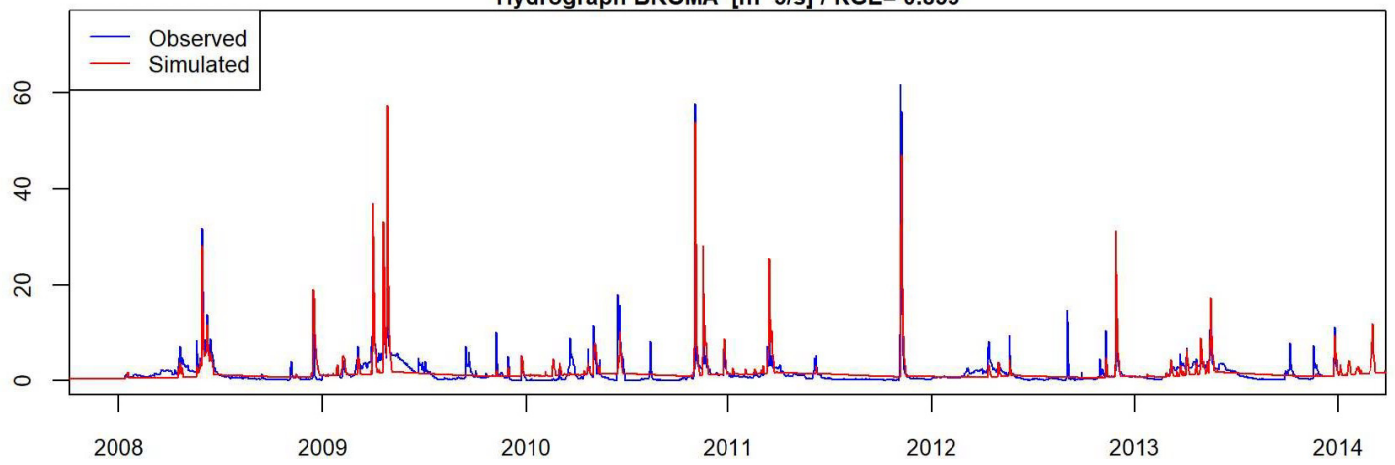
Regime Curve [m<sup>3</sup>/s]



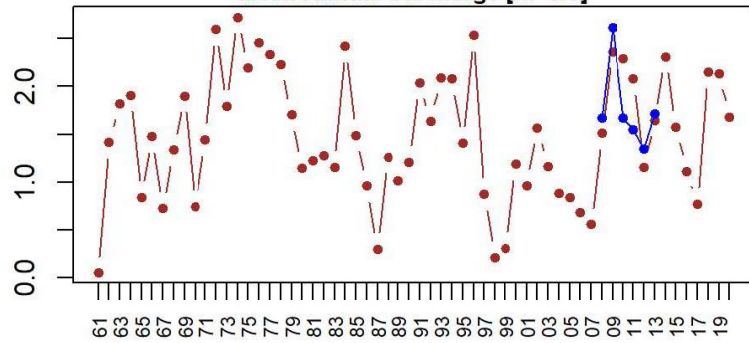
Mean Annual FDC [m<sup>3</sup>/s]



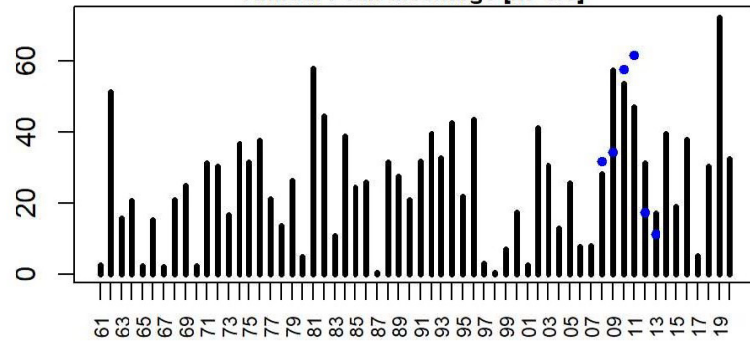
Hydrograph BROMA [m<sup>3</sup>/s] / KGE= 0.835



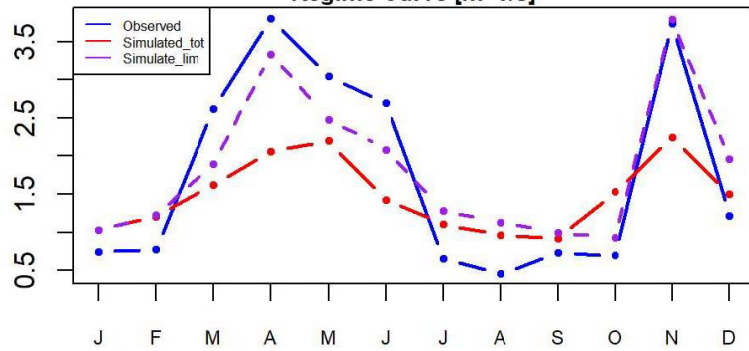
Mean Annual Discharge [m<sup>3</sup>/s]



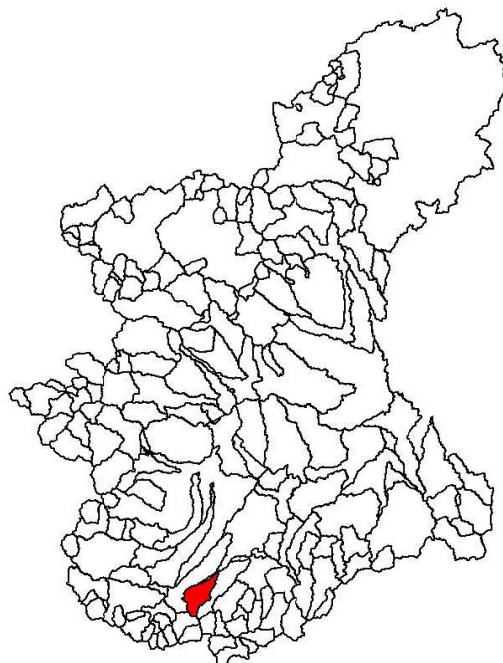
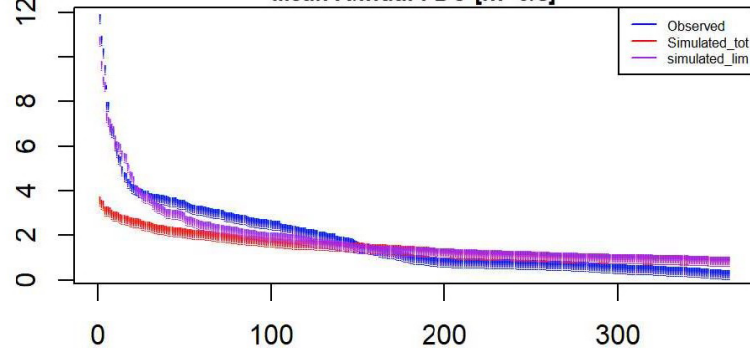
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

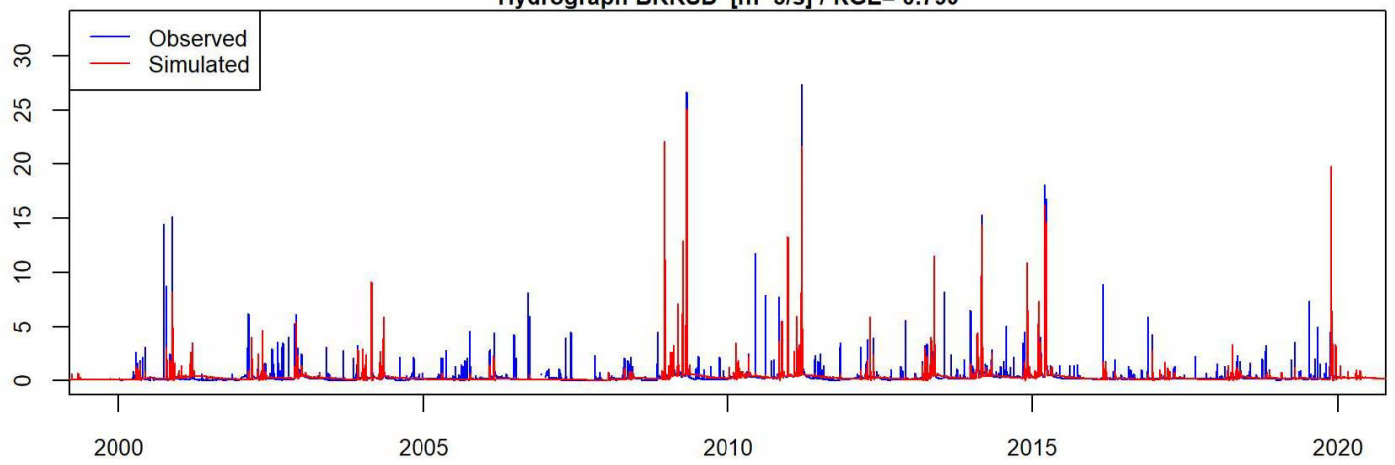


Mean Annual FDC [m<sup>3</sup>/s]

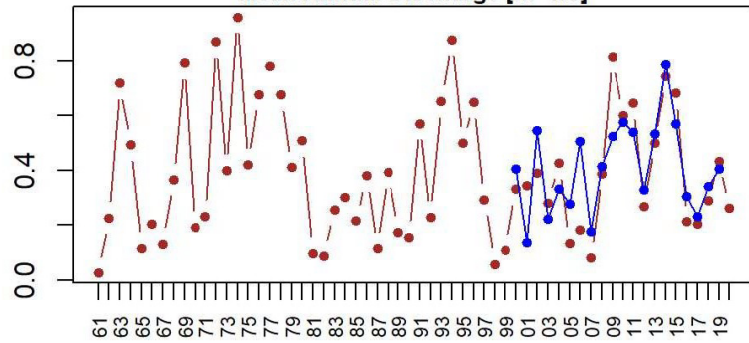




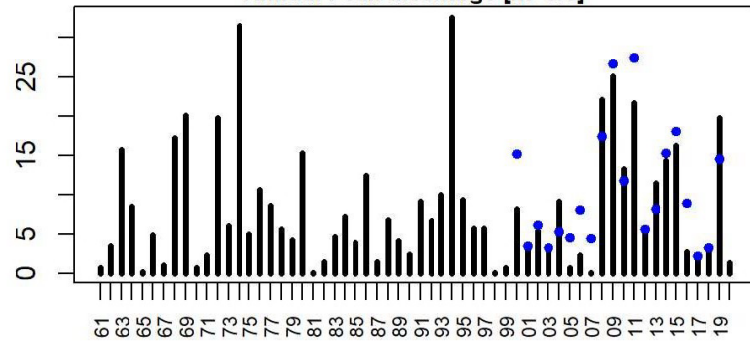
Hydrograph BRRSD [ $\text{m}^3/\text{s}$ ] / KGE= 0.793



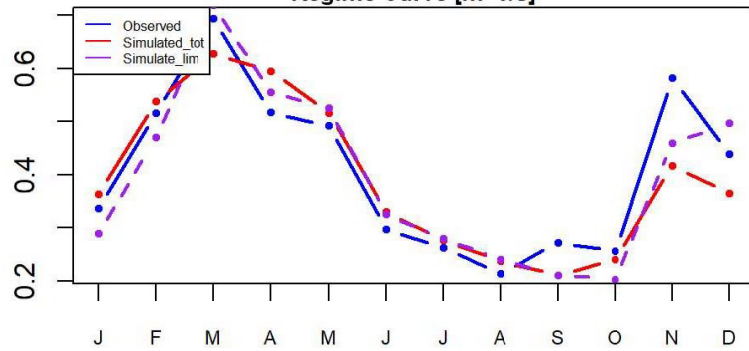
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



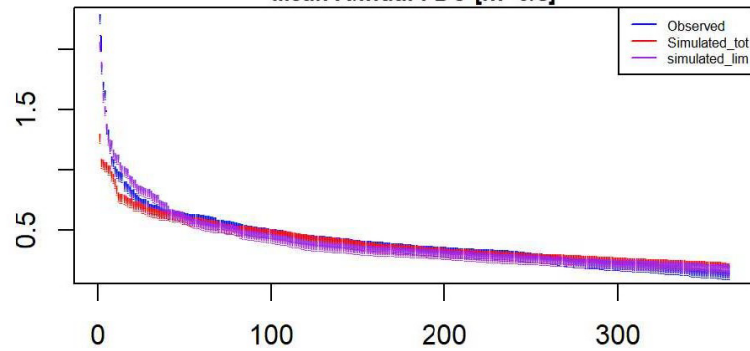
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



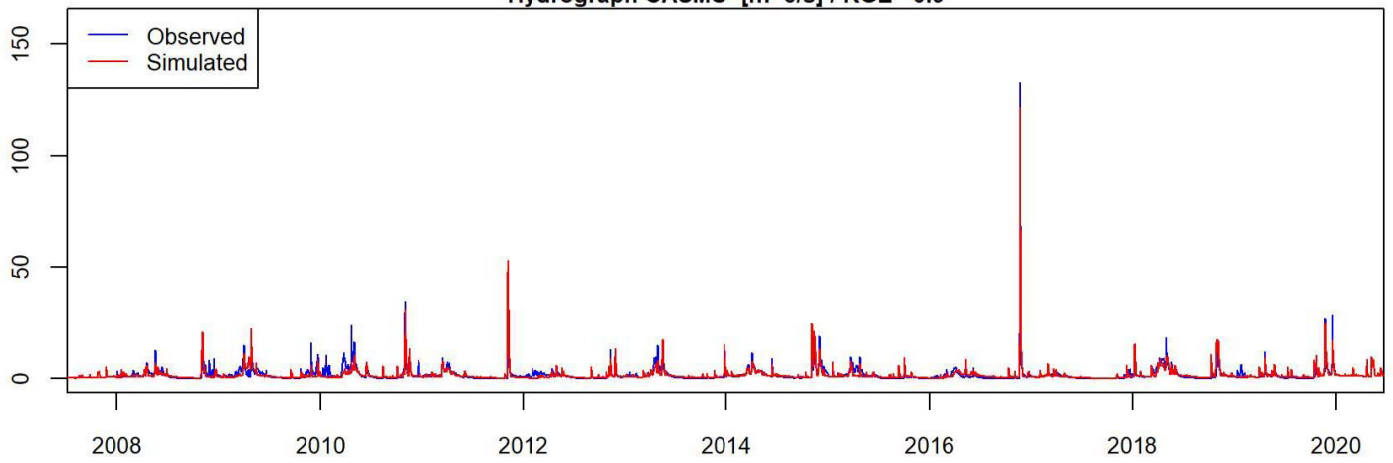
Regime Curve [ $\text{m}^3/\text{s}$ ]



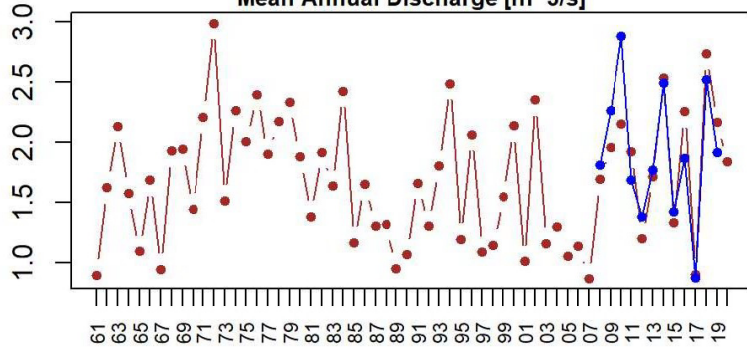
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



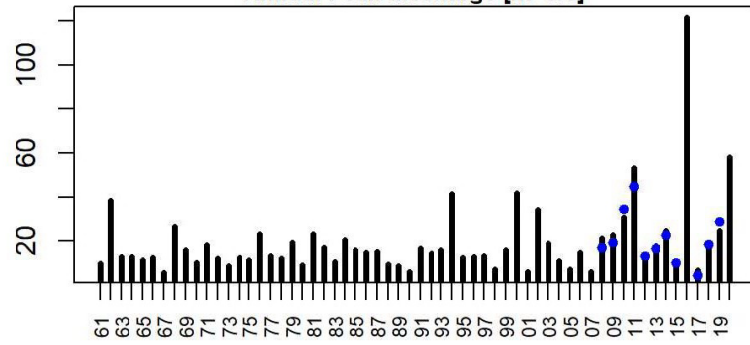
Hydrograph CASMO [m<sup>3</sup>/s] / KGE= 0.9



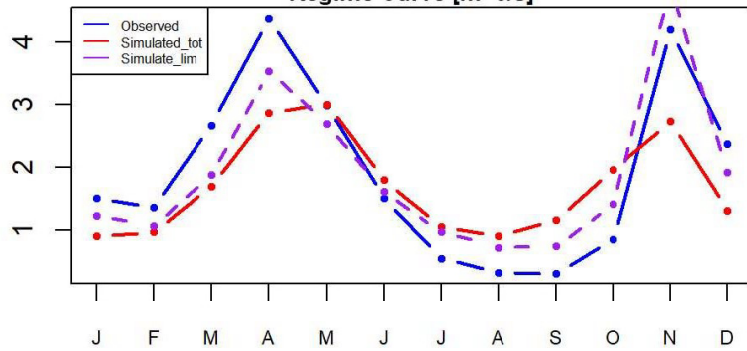
Mean Annual Discharge [m<sup>3</sup>/s]



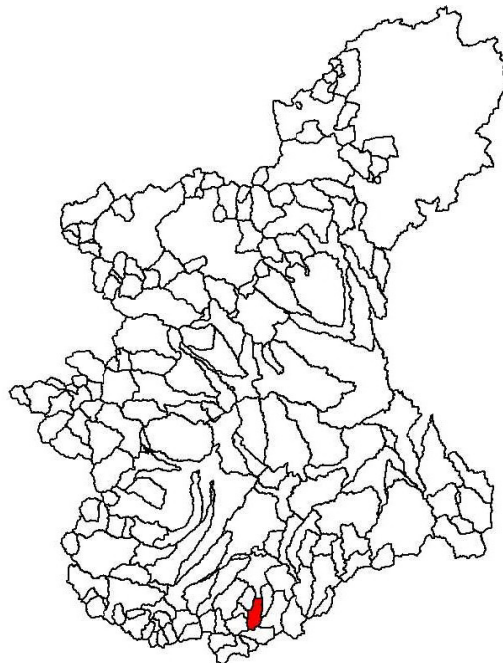
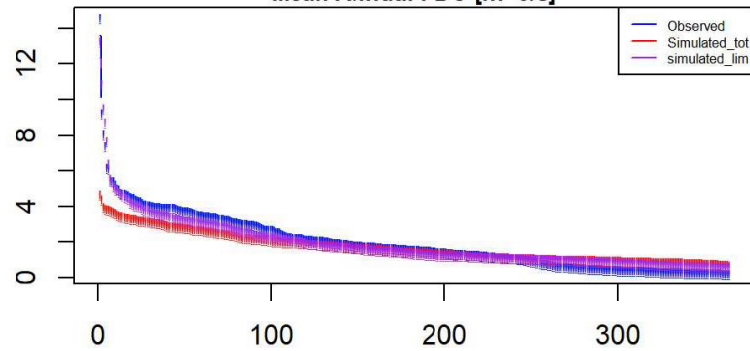
Annual Peak discharge [m<sup>3</sup>/s]



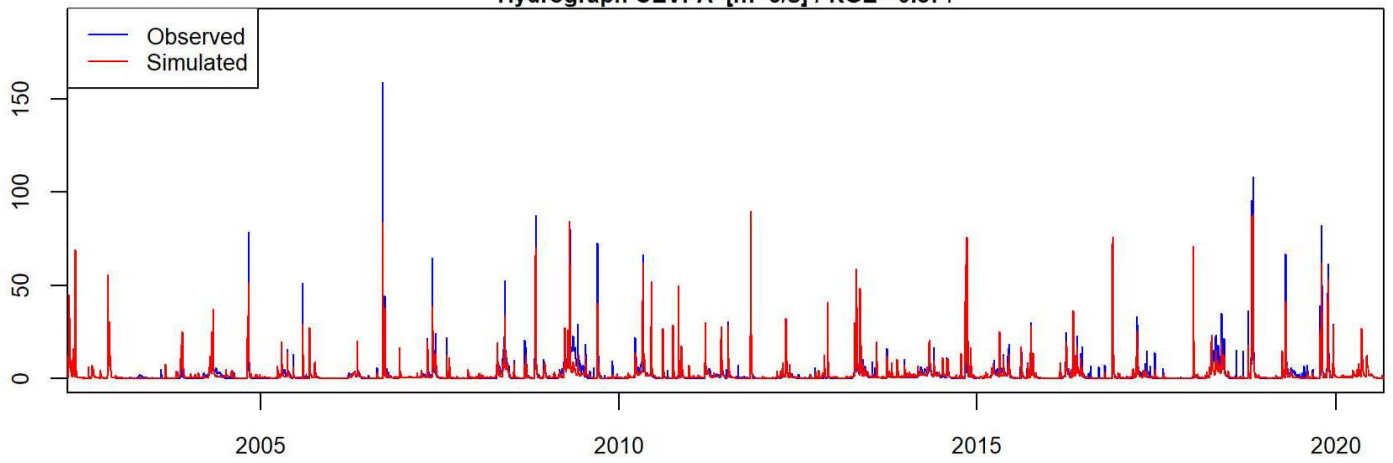
Regime Curve [m<sup>3</sup>/s]



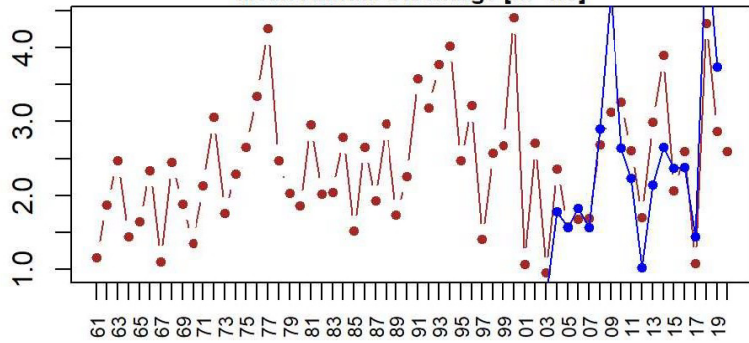
Mean Annual FDC [m<sup>3</sup>/s]



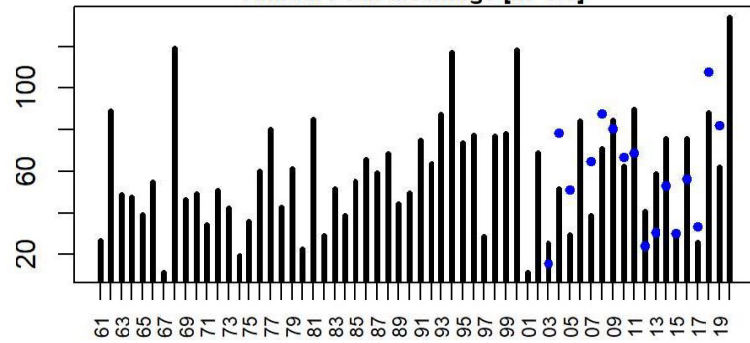
Hydrograph CEVPA [m<sup>3</sup>/s] / KGE= 0.871



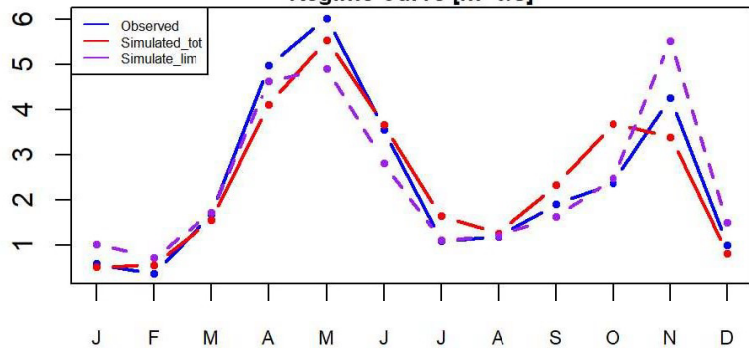
Mean Annual Discharge [m<sup>3</sup>/s]



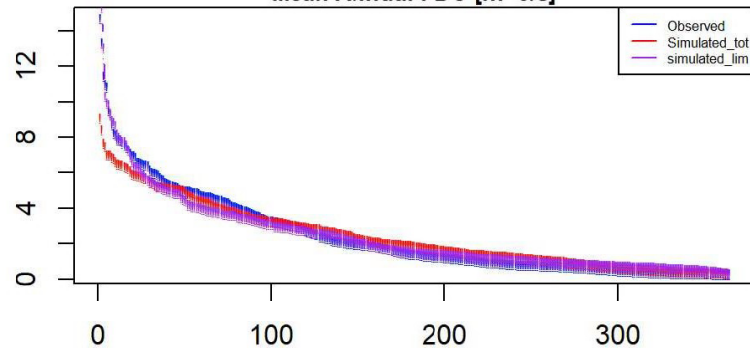
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

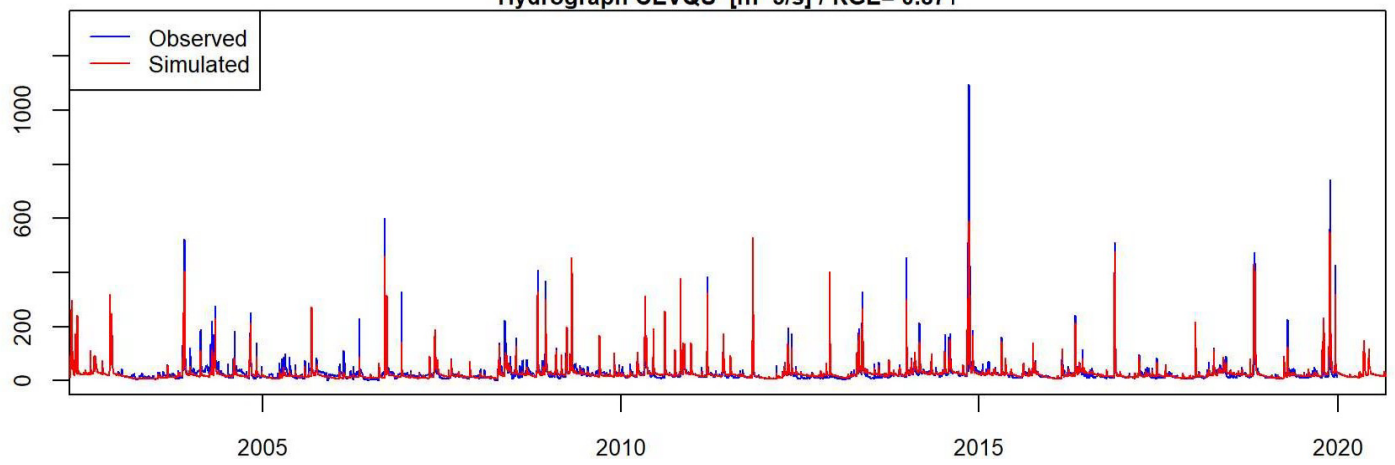


Mean Annual FDC [m<sup>3</sup>/s]

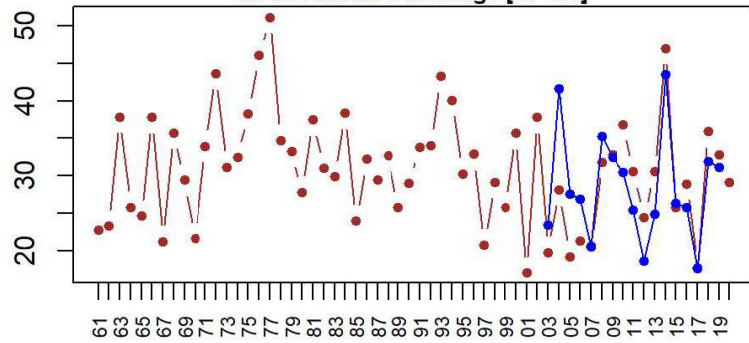




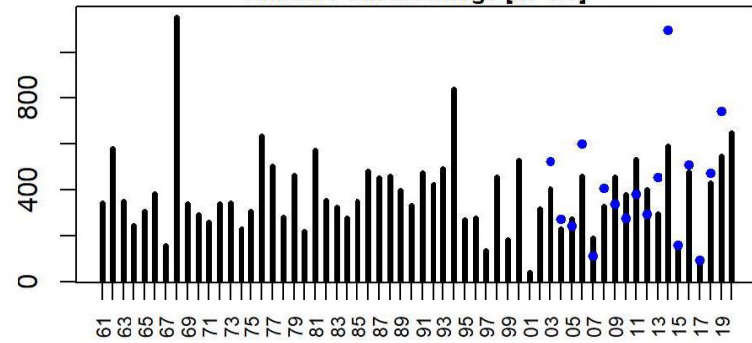
Hydrograph CEVQU [m<sup>3</sup>/s] / KGE= 0.871



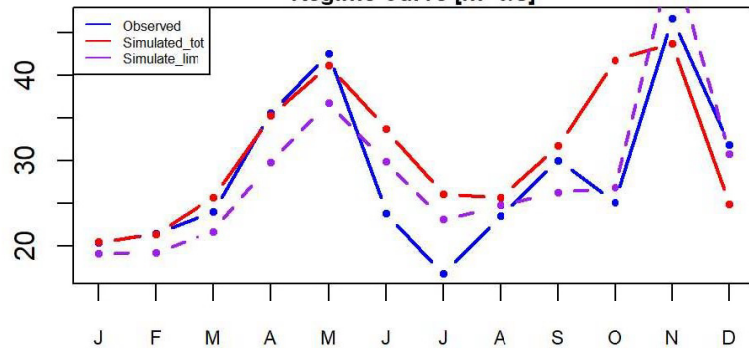
Mean Annual Discharge [m<sup>3</sup>/s]



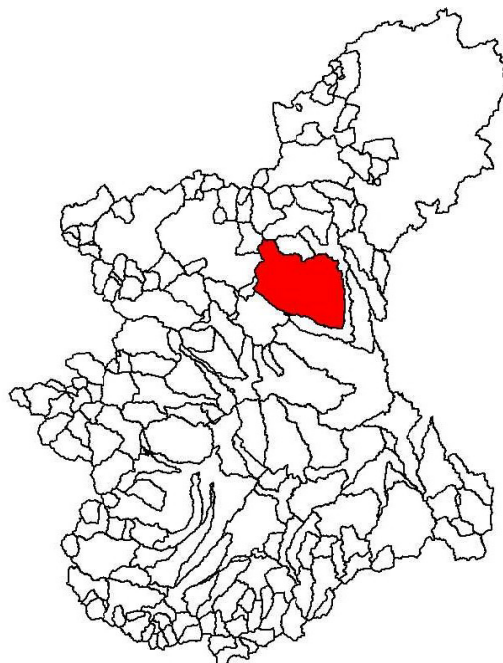
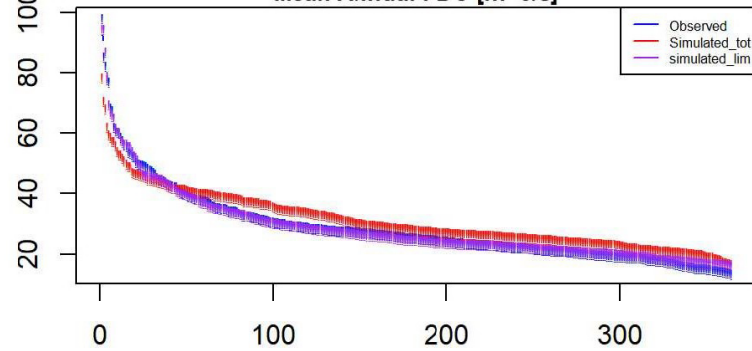
Annual Peak discharge [m<sup>3</sup>/s]



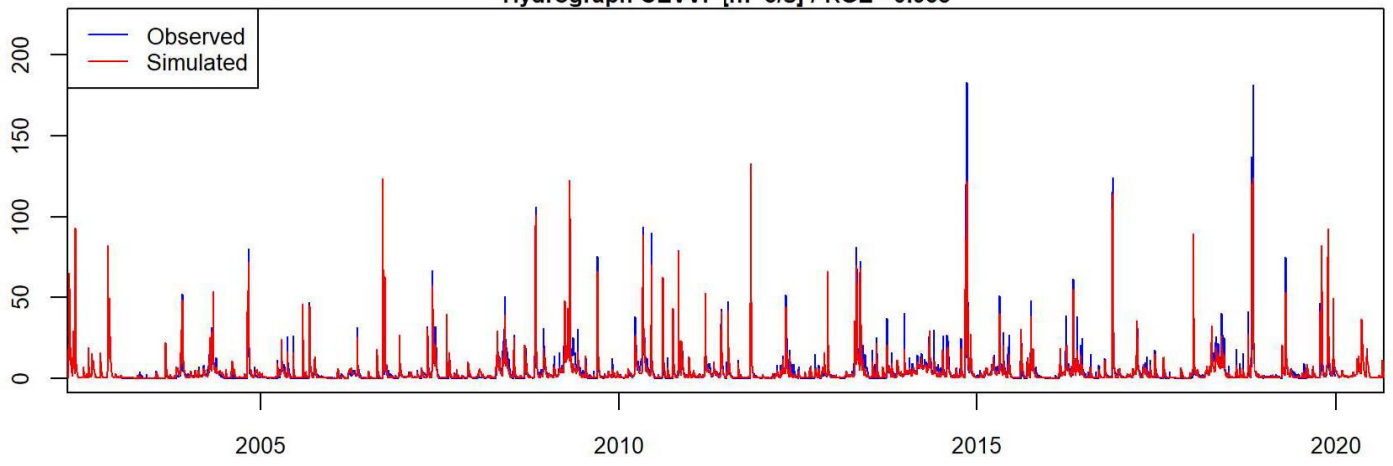
Regime Curve [m<sup>3</sup>/s]



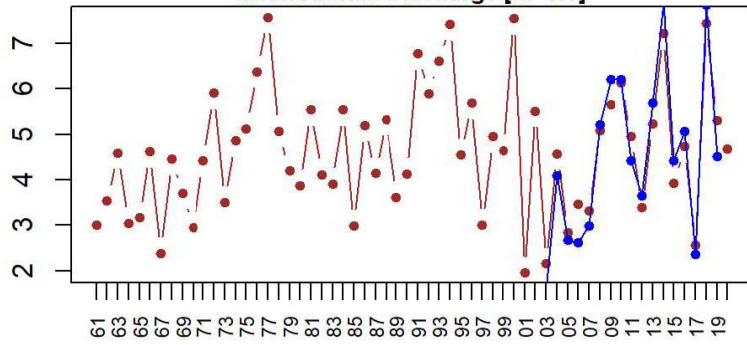
Mean Annual FDC [m<sup>3</sup>/s]



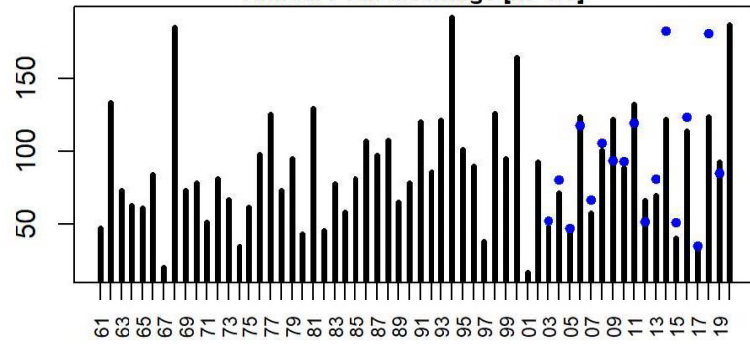
Hydrograph CEVVI [ $\text{m}^3/\text{s}$ ] / KGE= 0.935



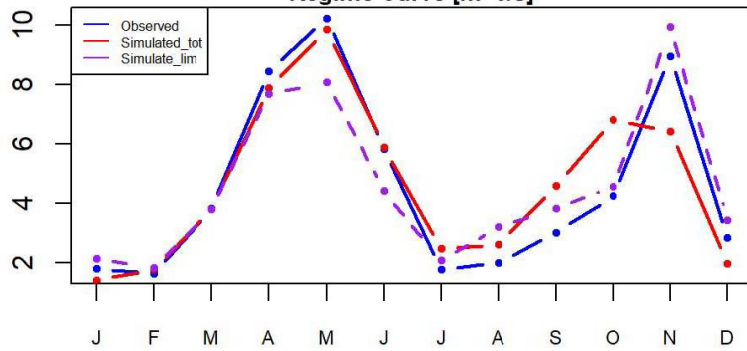
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



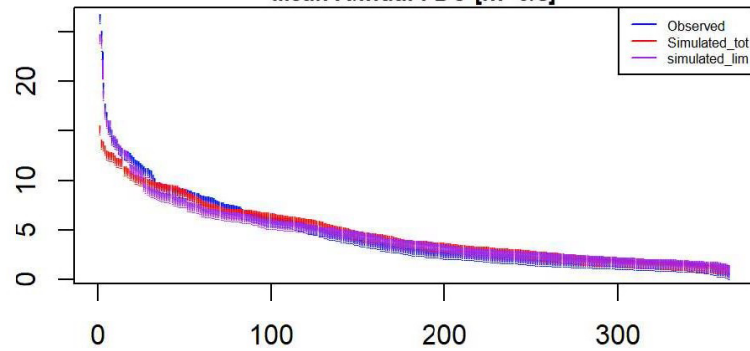
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

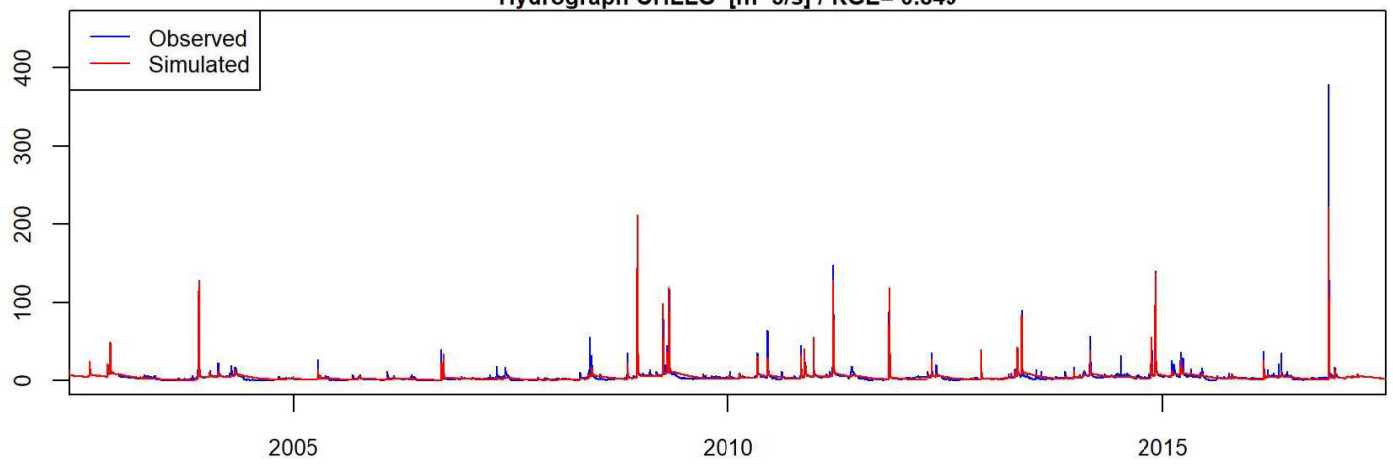


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

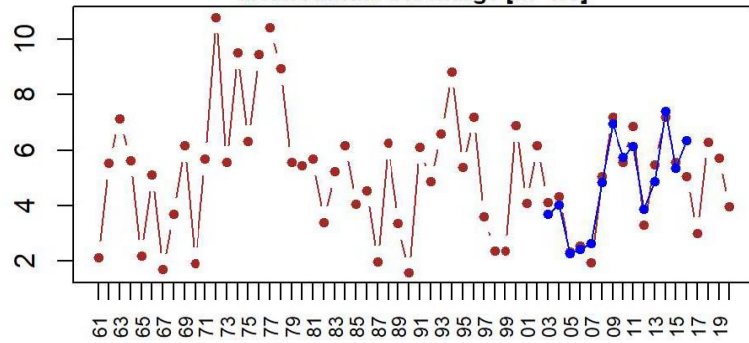




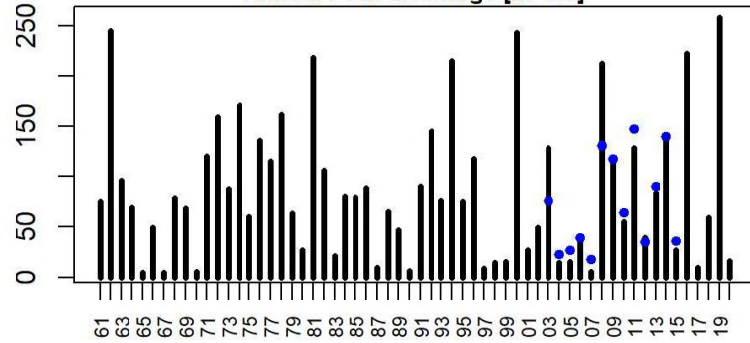
Hydrograph CHLLO [m<sup>3</sup>/s] / KGE= 0.849



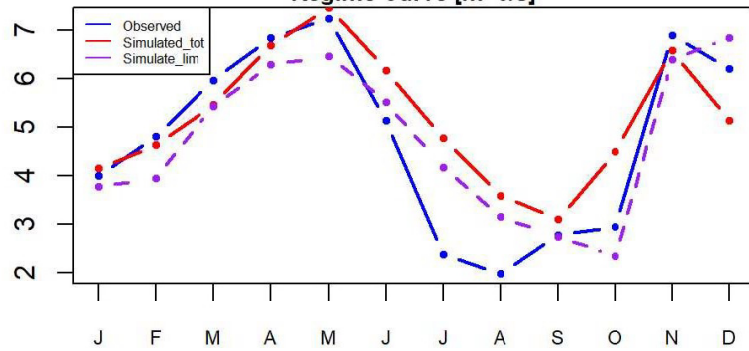
Mean Annual Discharge [m<sup>3</sup>/s]



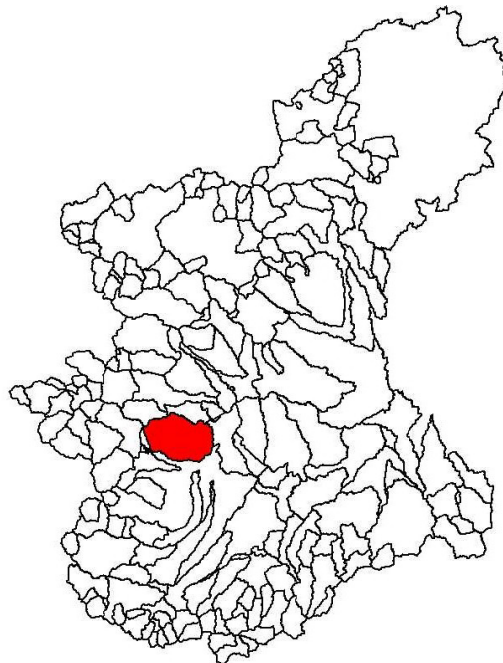
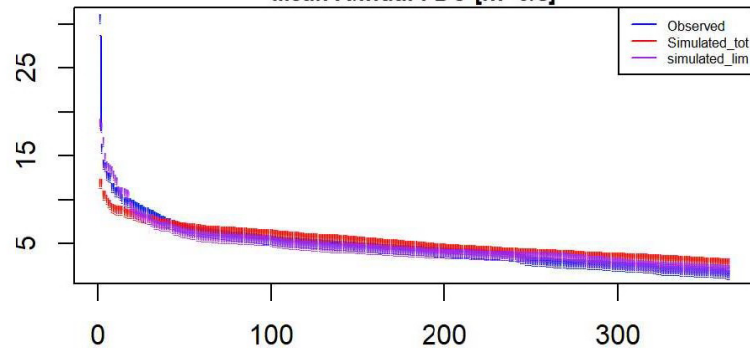
Annual Peak discharge [m<sup>3</sup>/s]



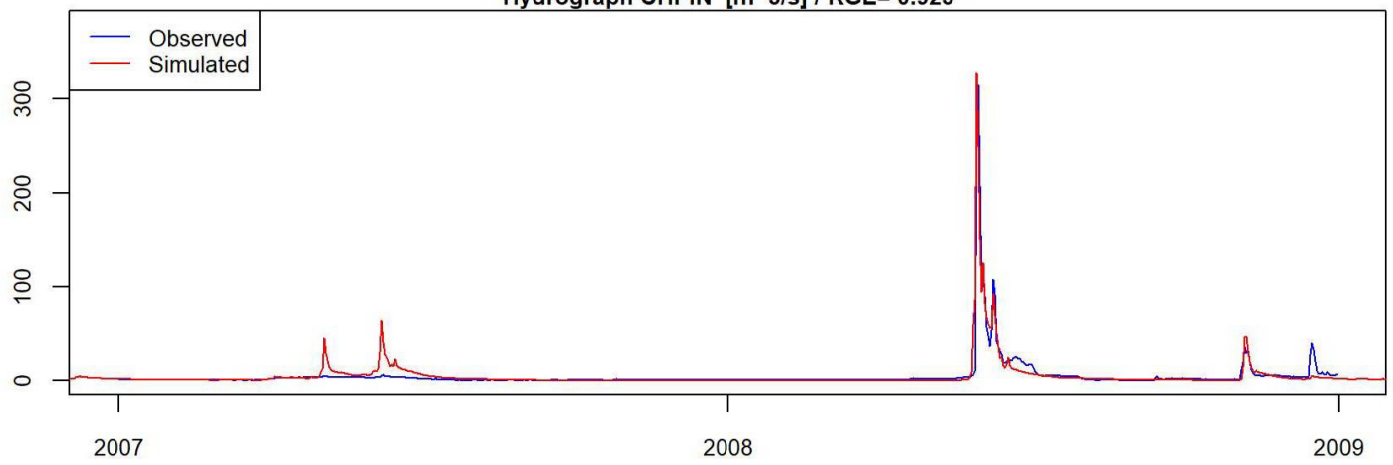
Regime Curve [m<sup>3</sup>/s]



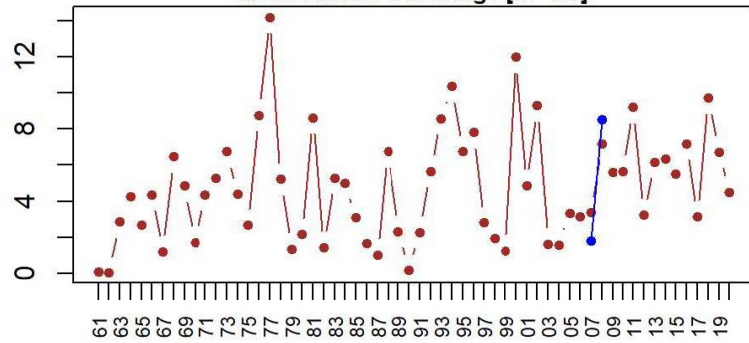
Mean Annual FDC [m<sup>3</sup>/s]



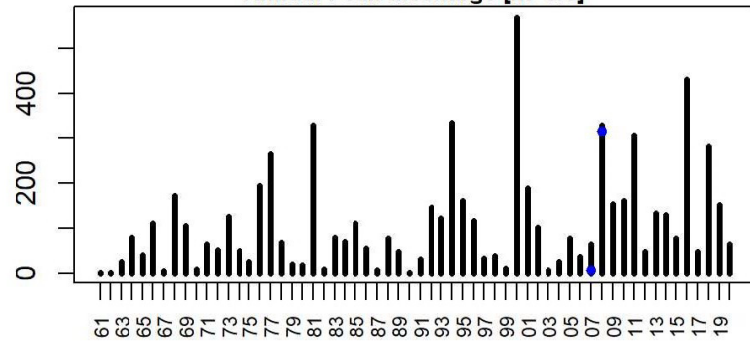
Hydrograph CHPIN [ $\text{m}^3/\text{s}$ ] / KGE= 0.923



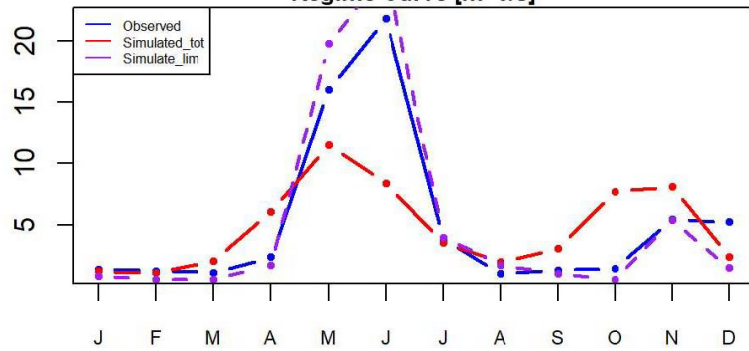
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



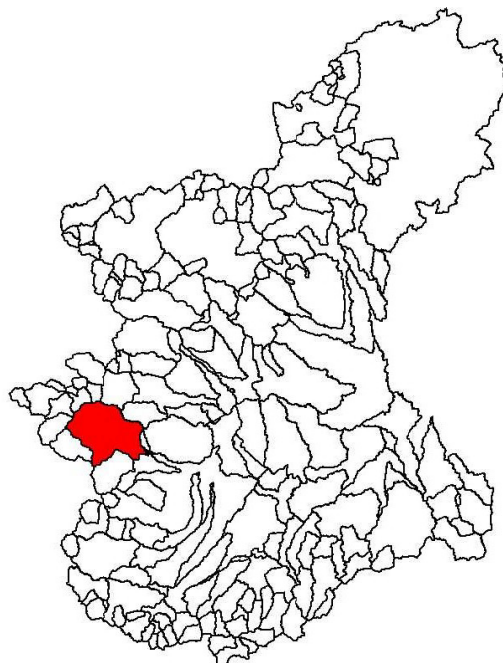
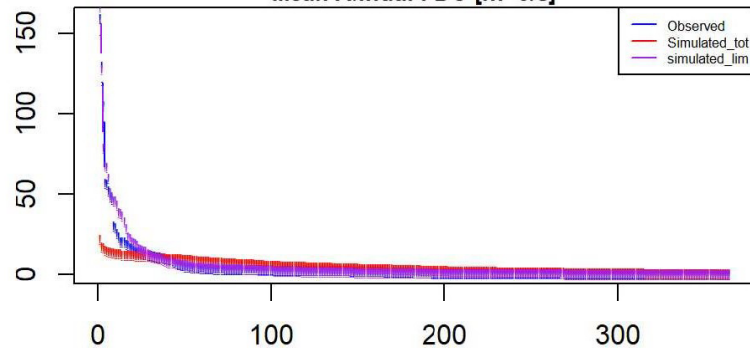
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



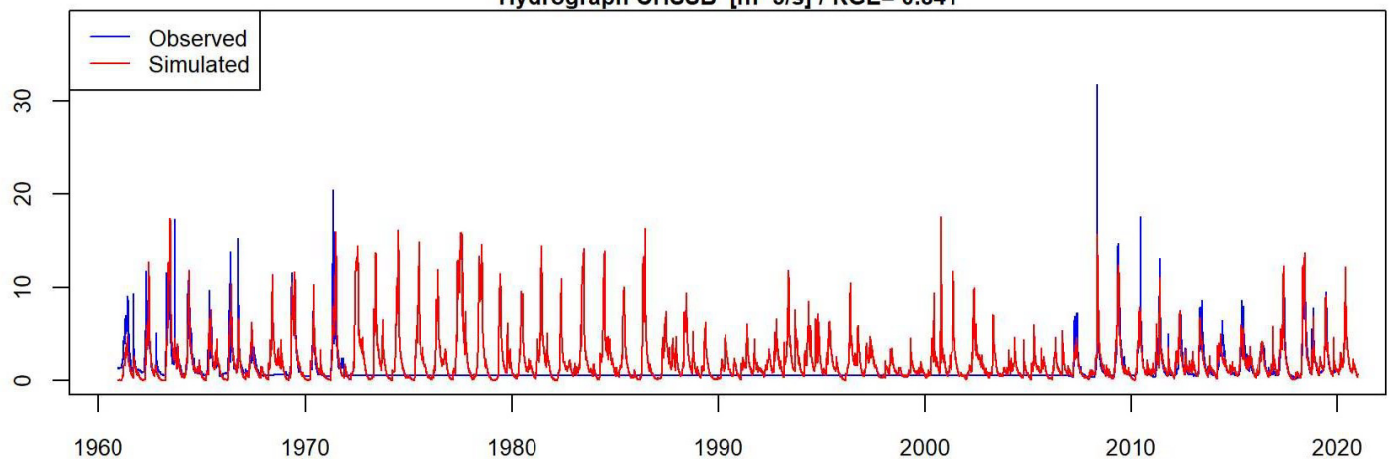
Regime Curve [ $\text{m}^3/\text{s}$ ]



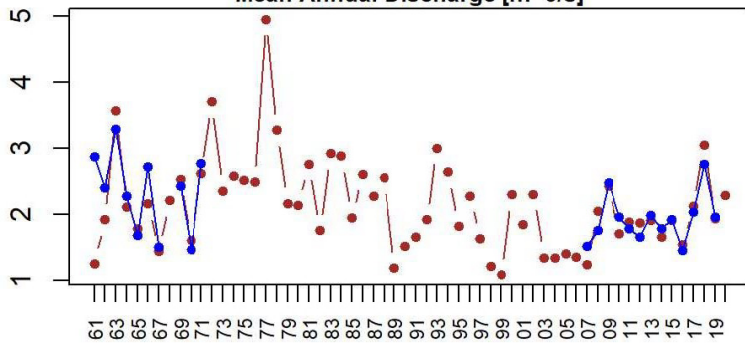
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



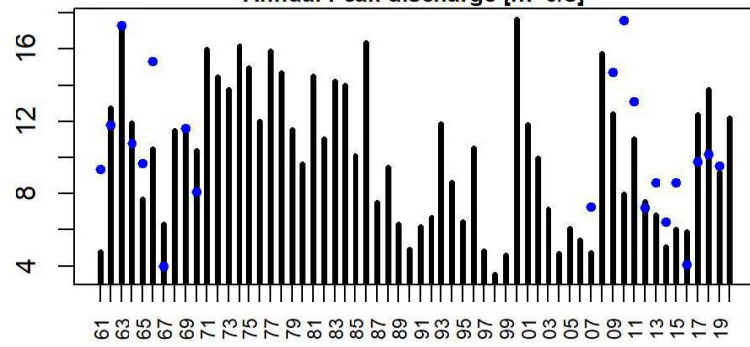
Hydrograph CHSSB [ $\text{m}^3/\text{s}$ ] / KGE= 0.841



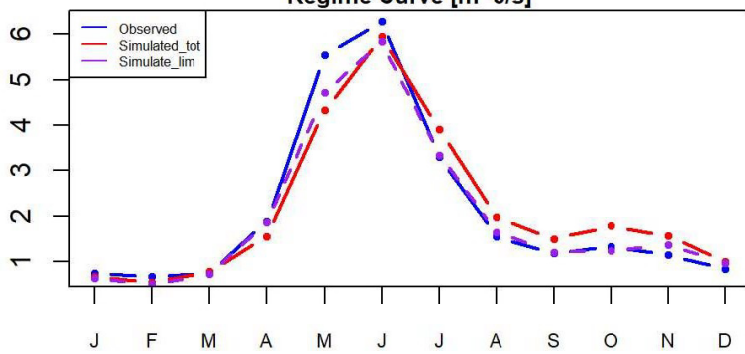
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



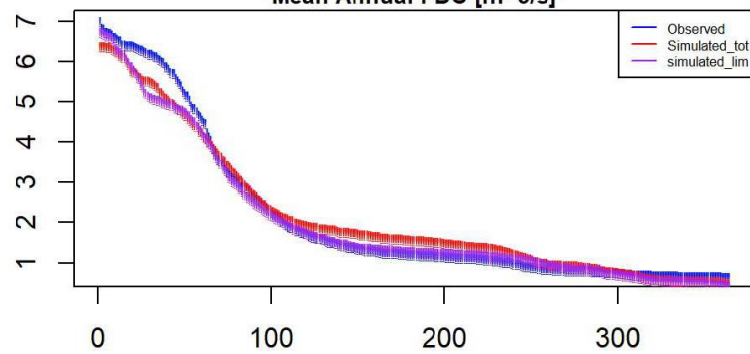
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

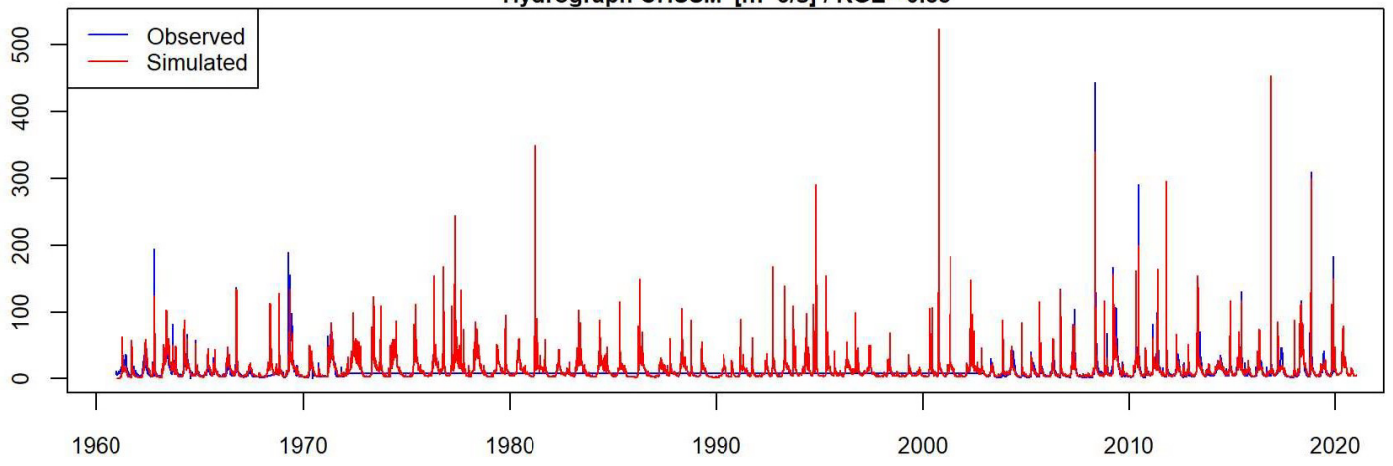


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

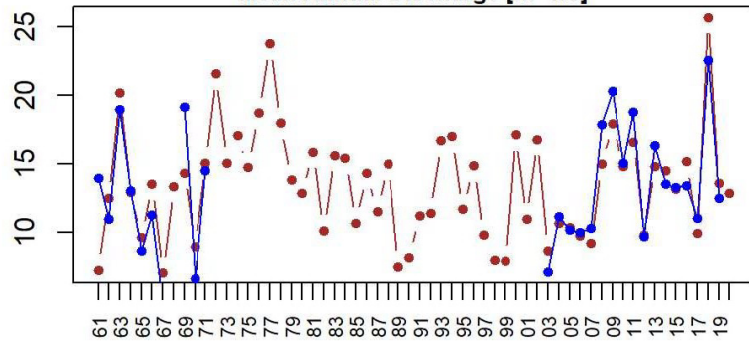




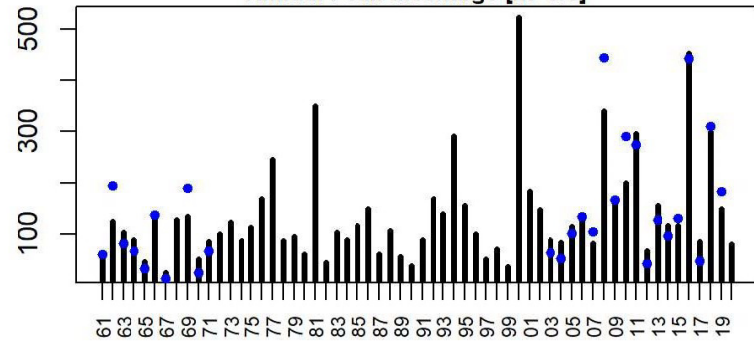
Hydrograph CHSSM [ $\text{m}^3/\text{s}$ ] / KGE= 0.88



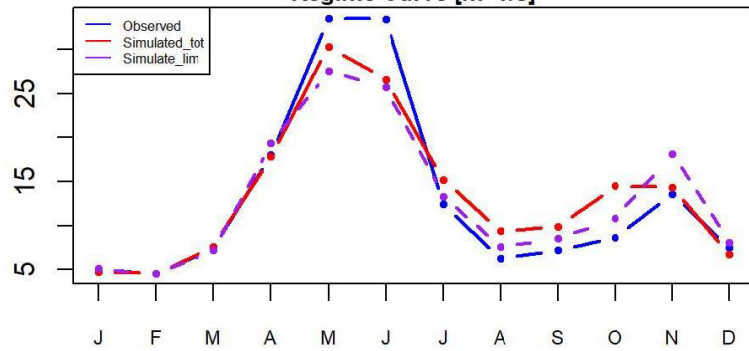
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



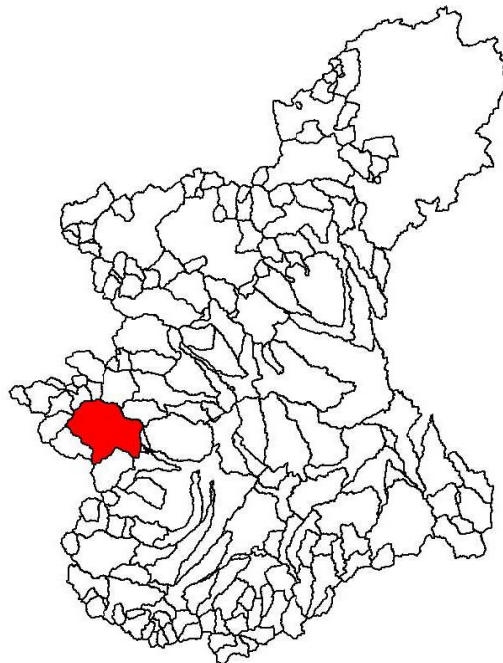
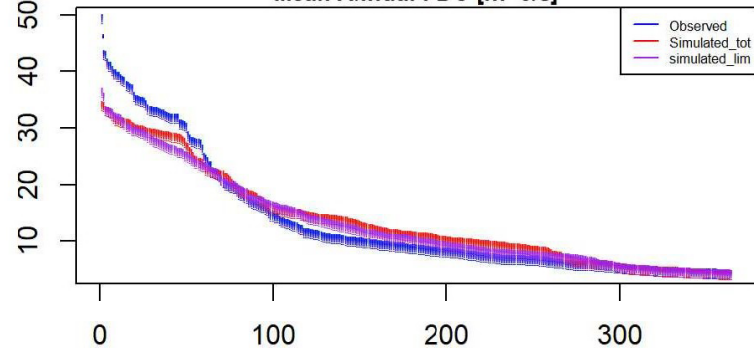
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



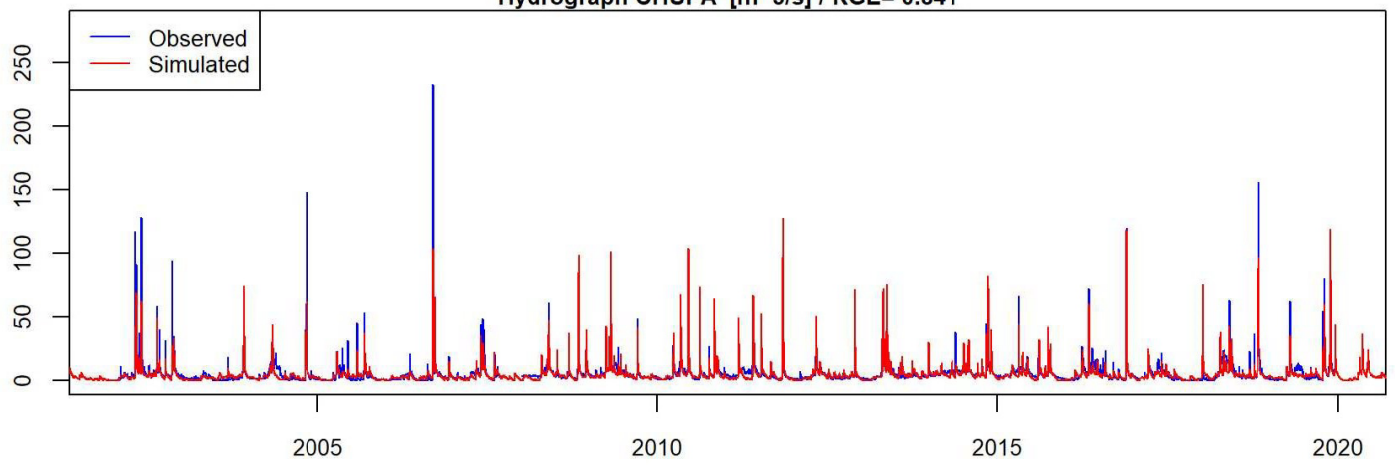
Regime Curve [ $\text{m}^3/\text{s}$ ]



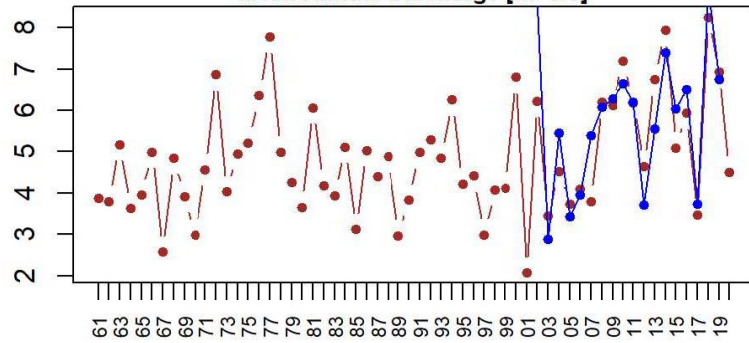
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



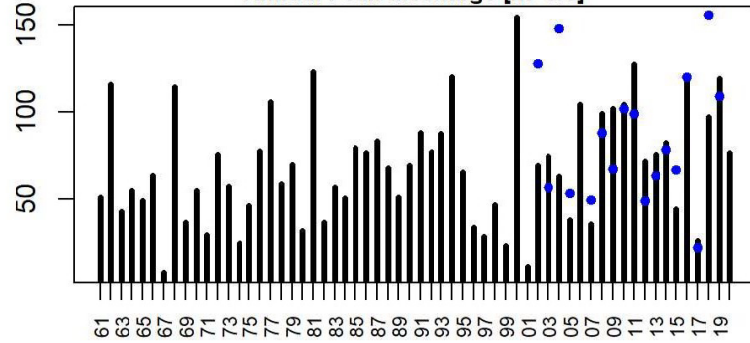
Hydrograph CHUPA [m<sup>3</sup>/s] / KGE= 0.841



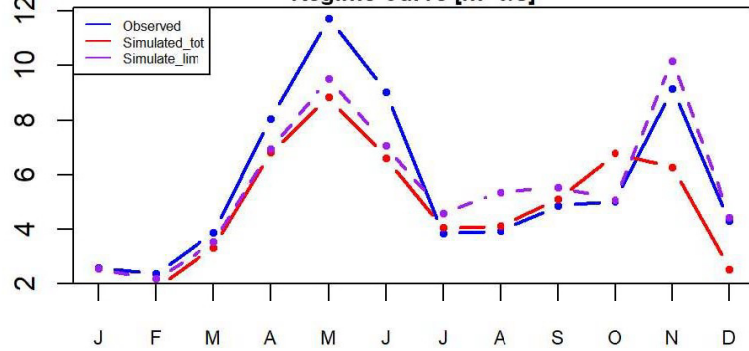
Mean Annual Discharge [m<sup>3</sup>/s]



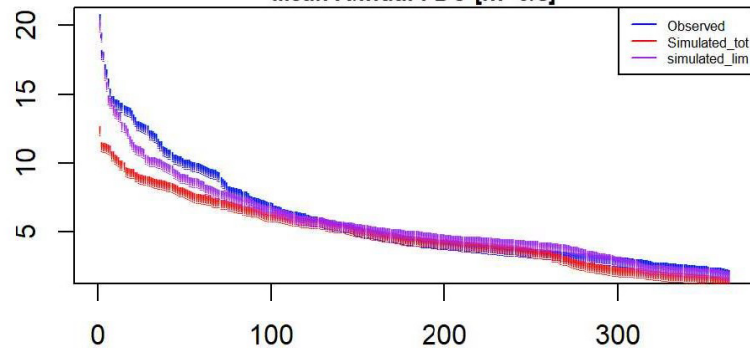
Annual Peak discharge [m<sup>3</sup>/s]



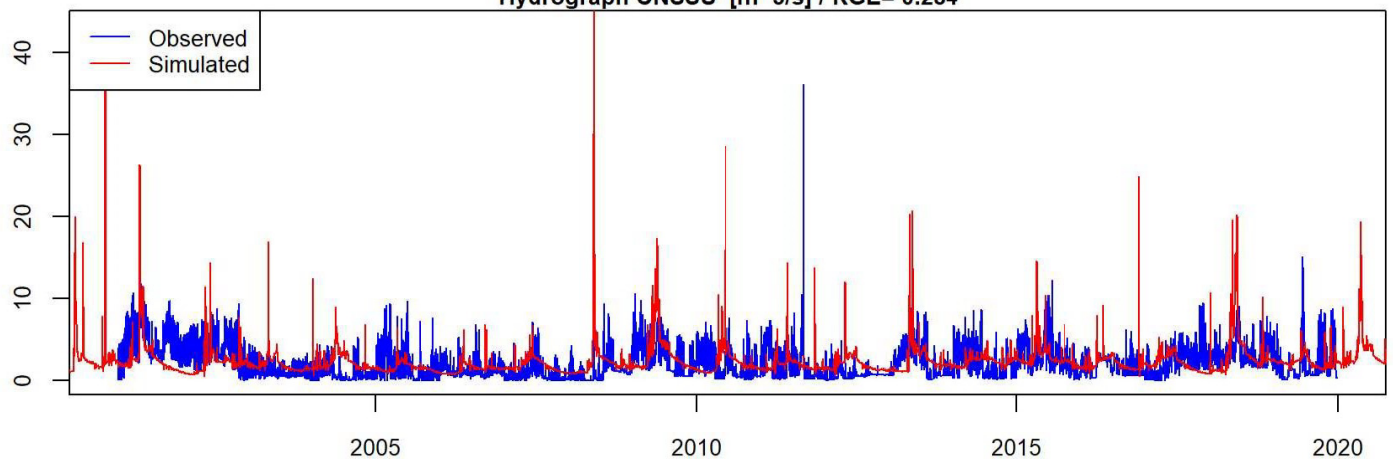
Regime Curve [m<sup>3</sup>/s]



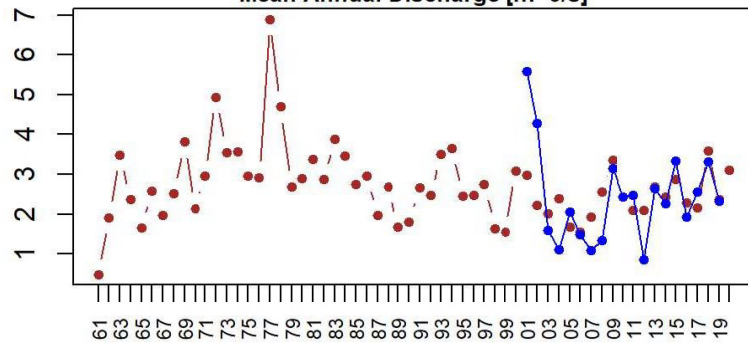
Mean Annual FDC [m<sup>3</sup>/s]



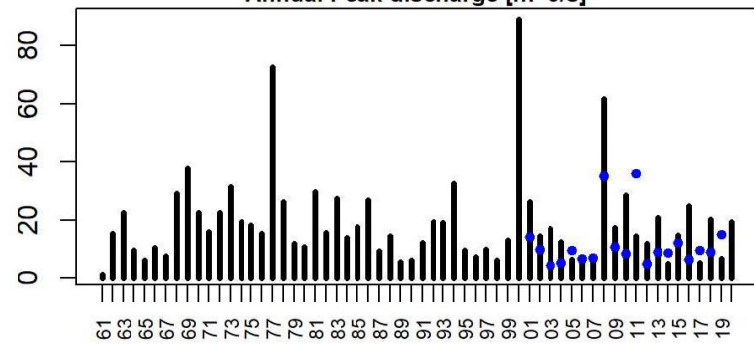
Hydrograph CNSSU [ $\text{m}^3/\text{s}$ ] / KGE= 0.284



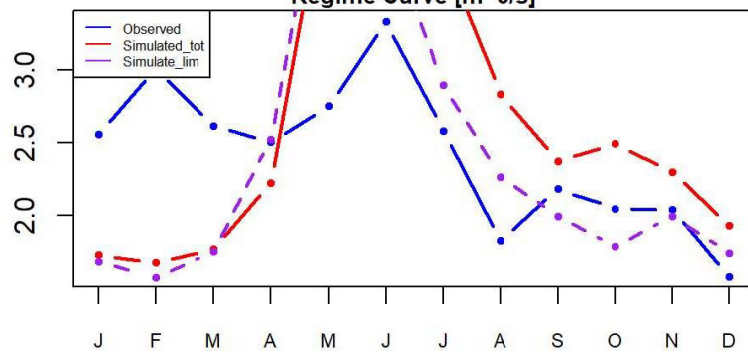
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



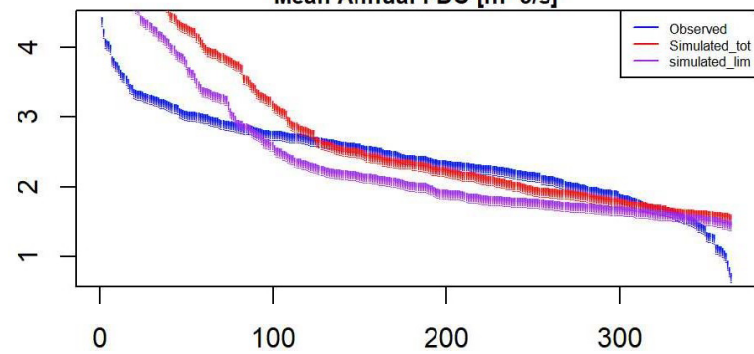
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

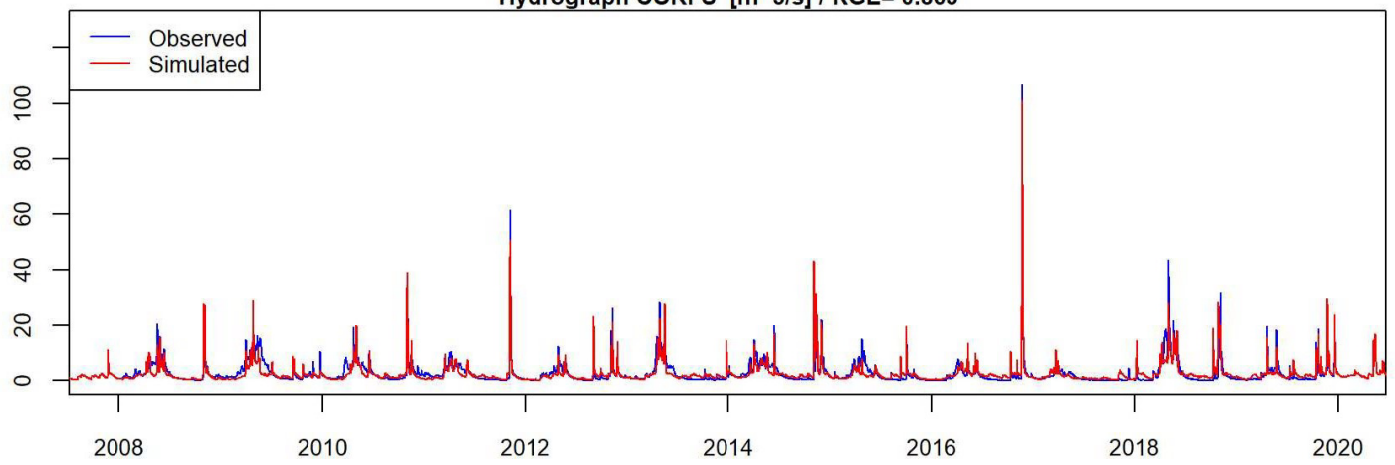


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

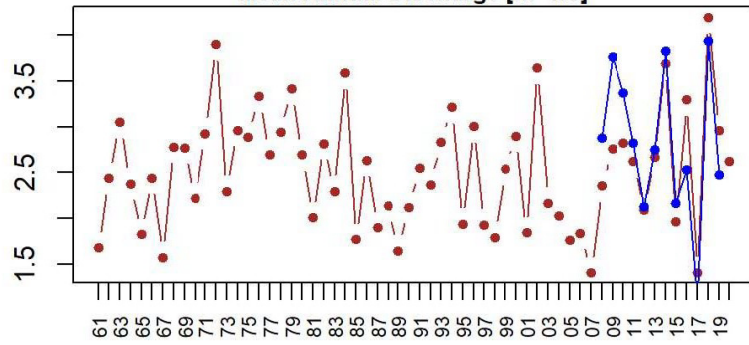




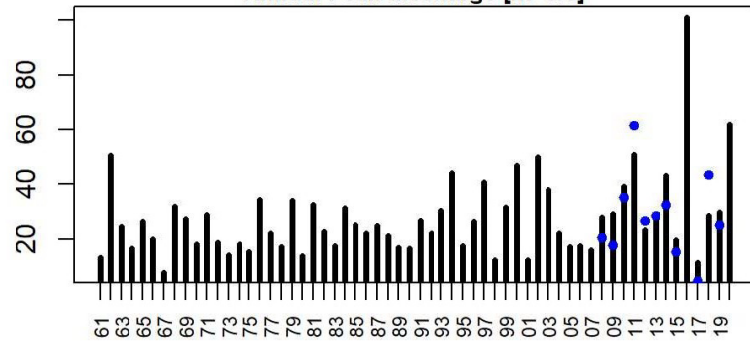
Hydrograph CORFS [m<sup>3</sup>/s] / KGE= 0.863



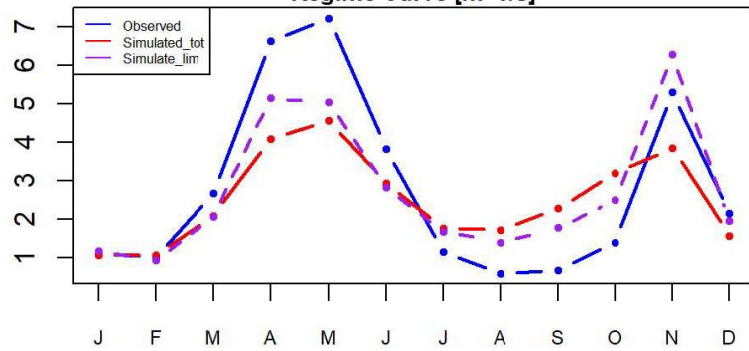
Mean Annual Discharge [m<sup>3</sup>/s]



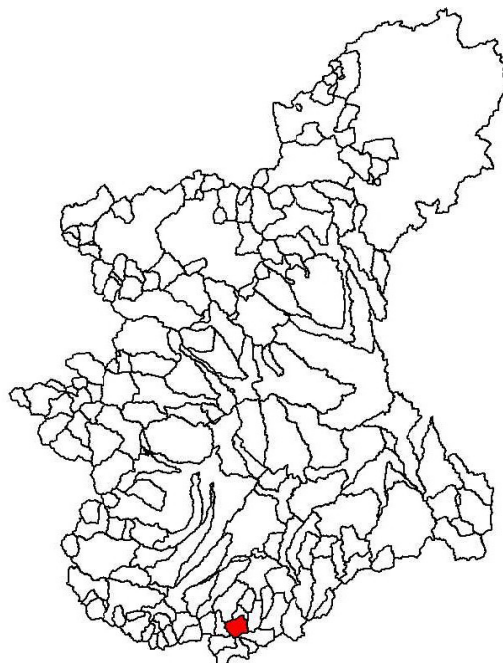
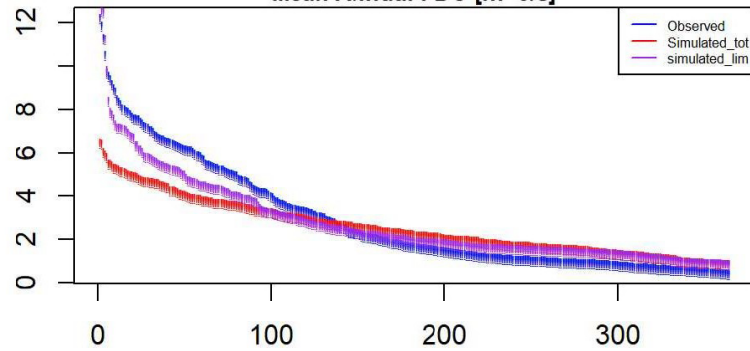
Annual Peak discharge [m<sup>3</sup>/s]



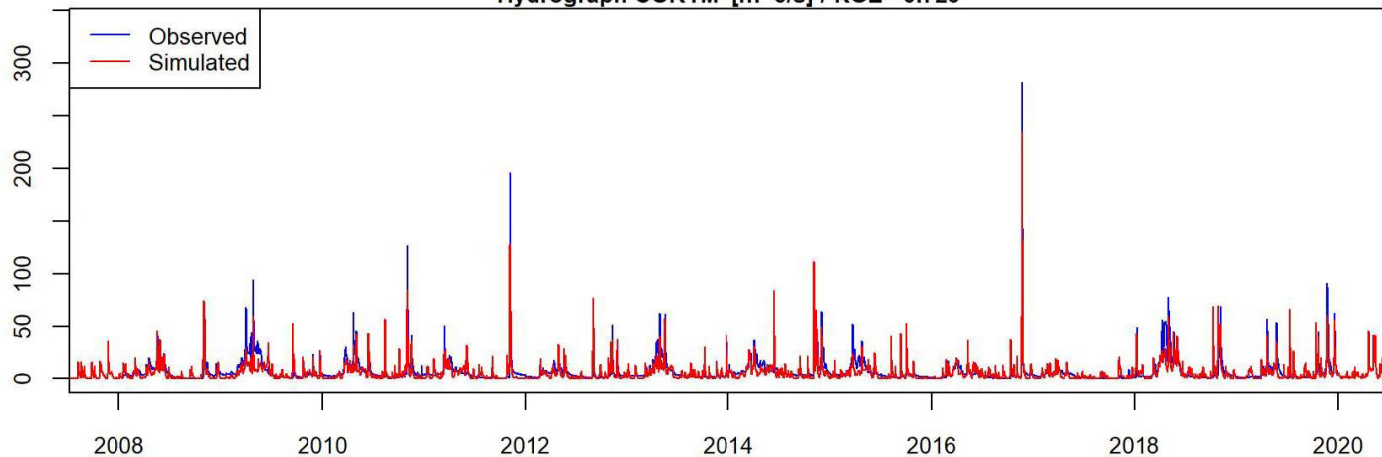
Regime Curve [m<sup>3</sup>/s]



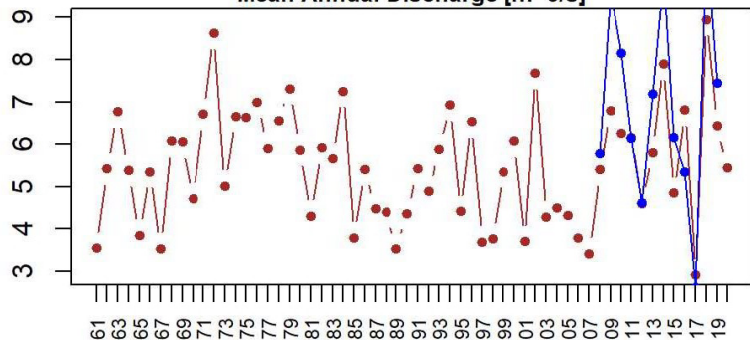
Mean Annual FDC [m<sup>3</sup>/s]



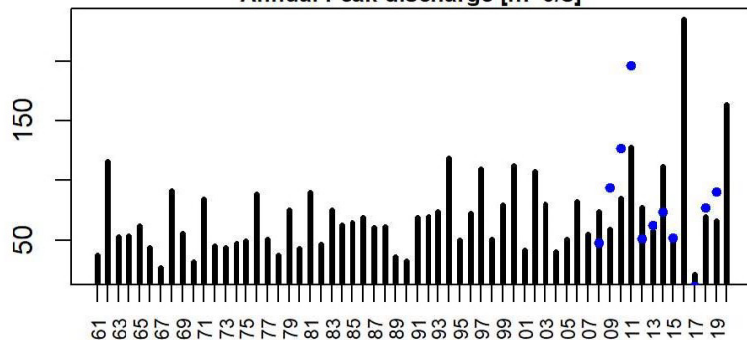
Hydrograph CORTM [m<sup>3</sup>/s] / KGE= 0.728



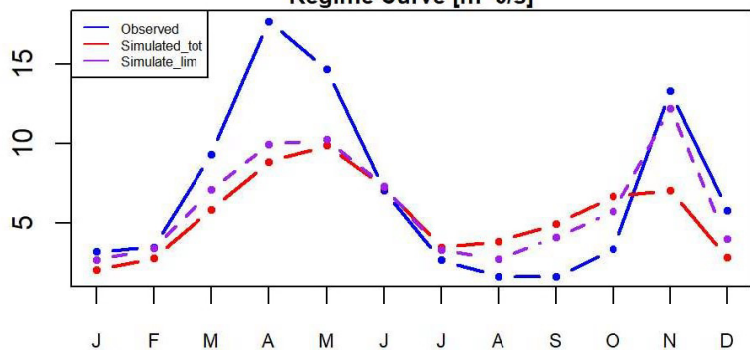
Mean Annual Discharge [m<sup>3</sup>/s]



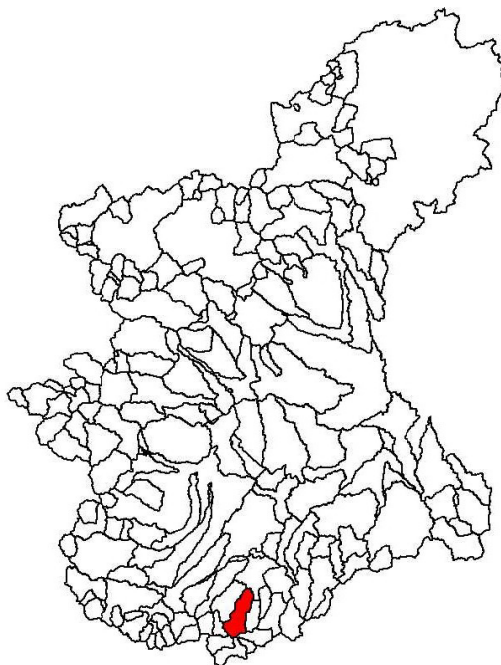
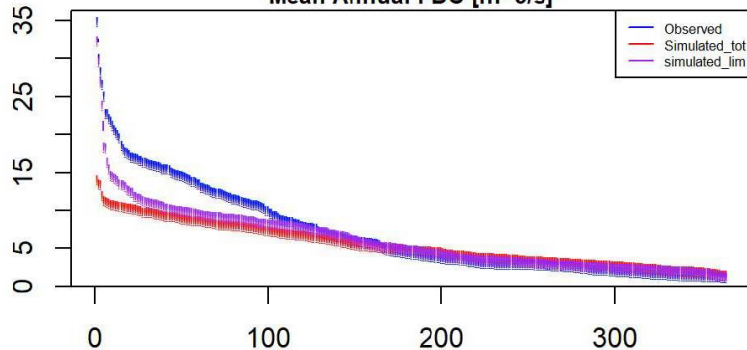
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

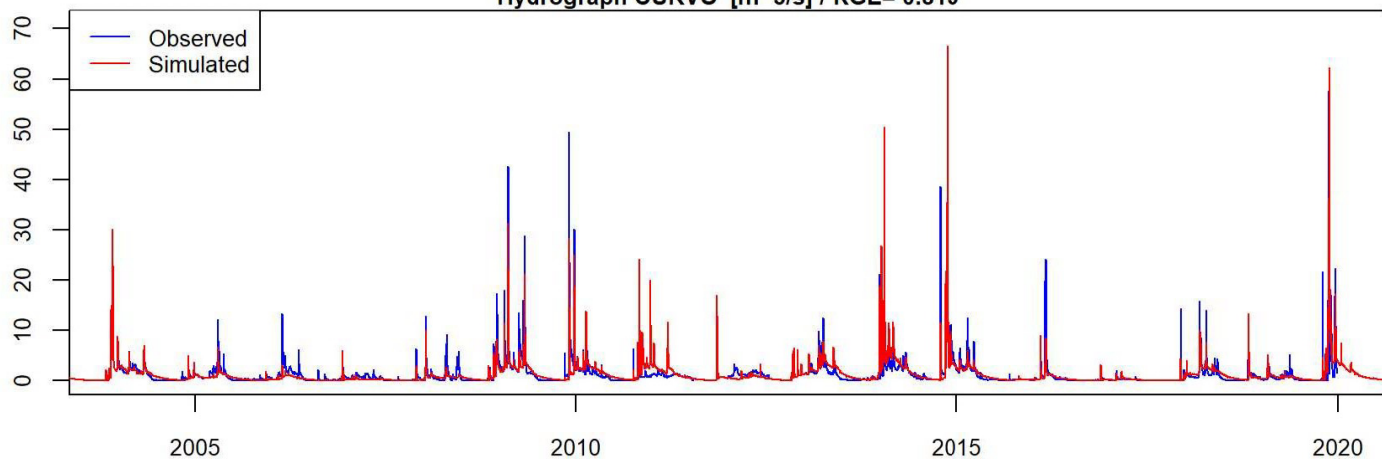


Mean Annual FDC [m<sup>3</sup>/s]

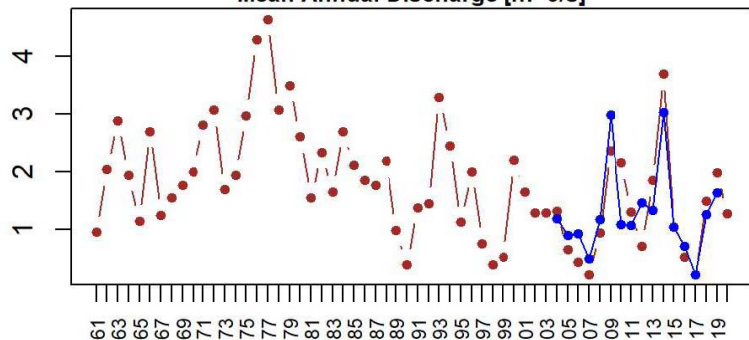




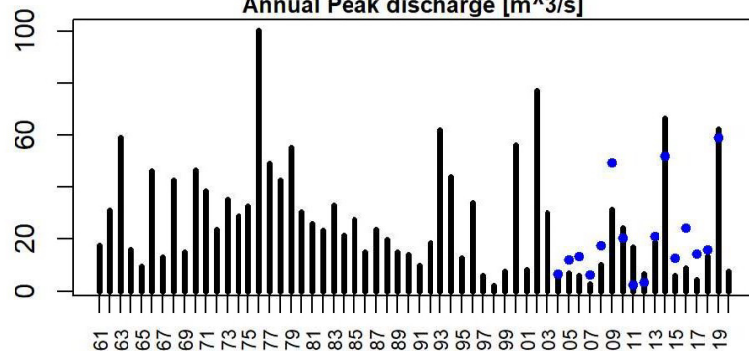
Hydrograph CURVO [m<sup>3</sup>/s] / KGE= 0.813



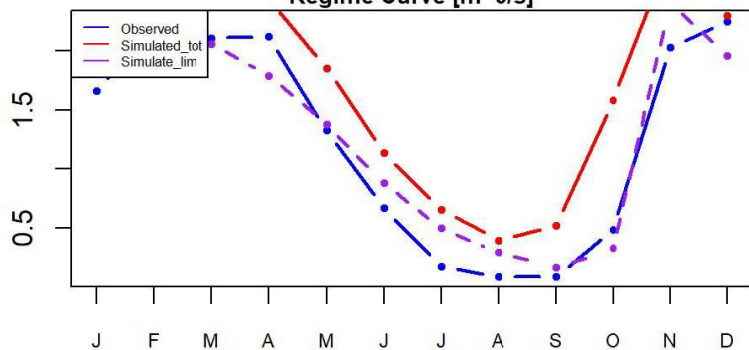
Mean Annual Discharge [m<sup>3</sup>/s]



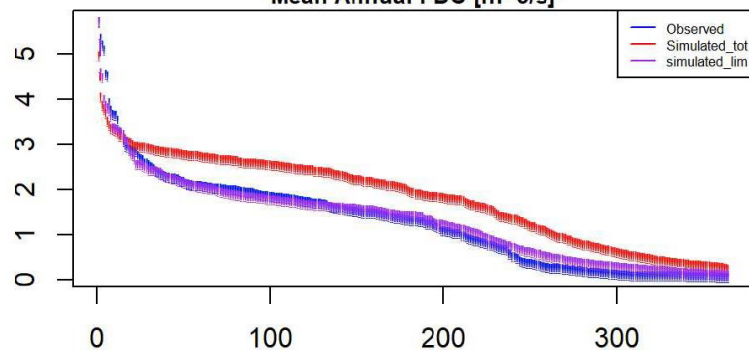
Annual Peak discharge [m<sup>3</sup>/s]

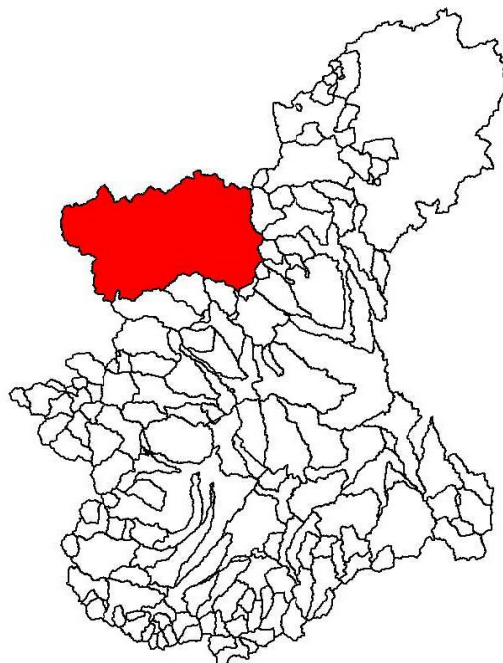
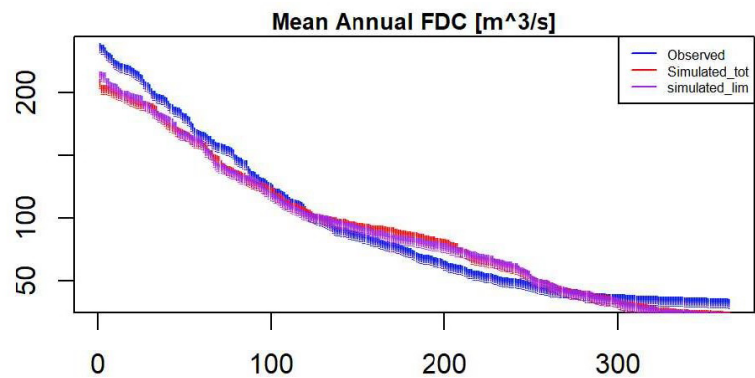
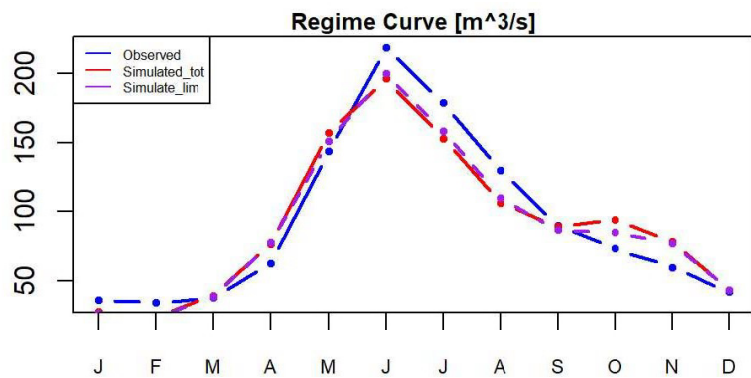
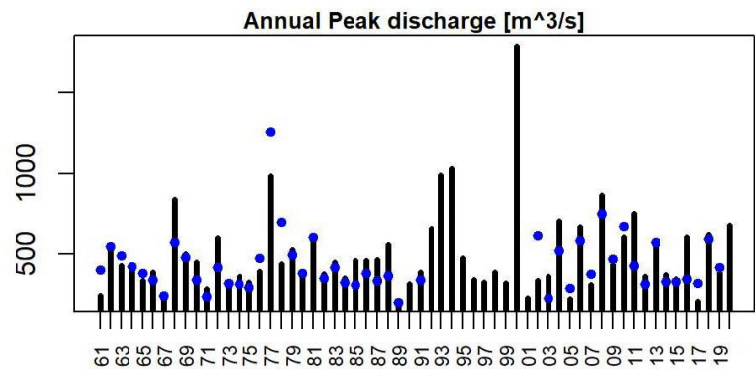
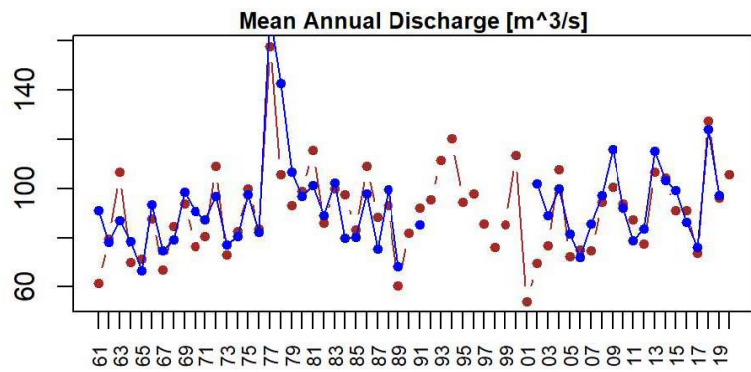
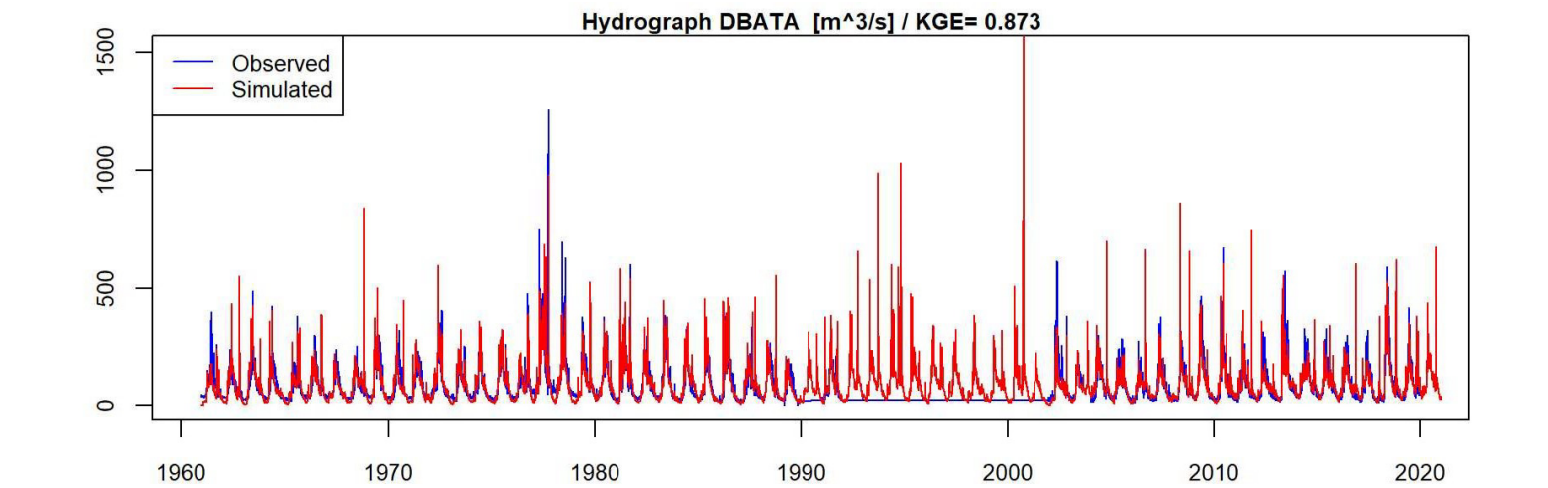


Regime Curve [m<sup>3</sup>/s]

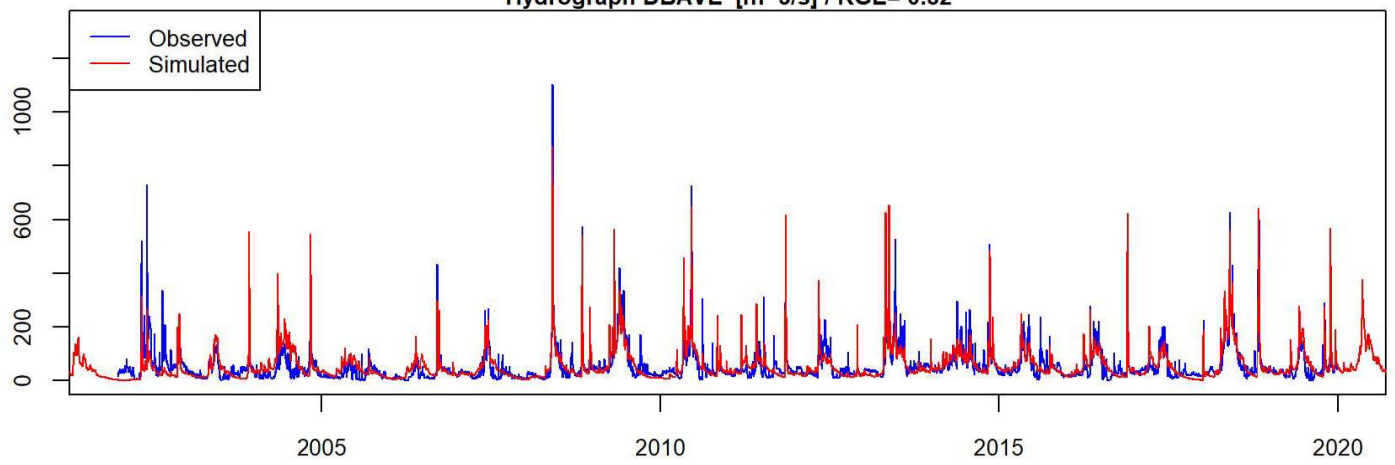


Mean Annual FDC [m<sup>3</sup>/s]

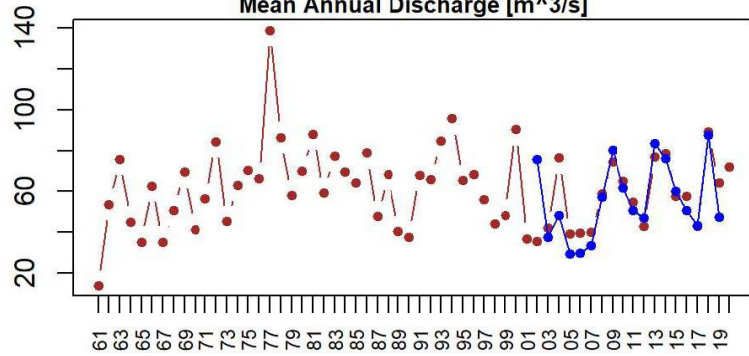




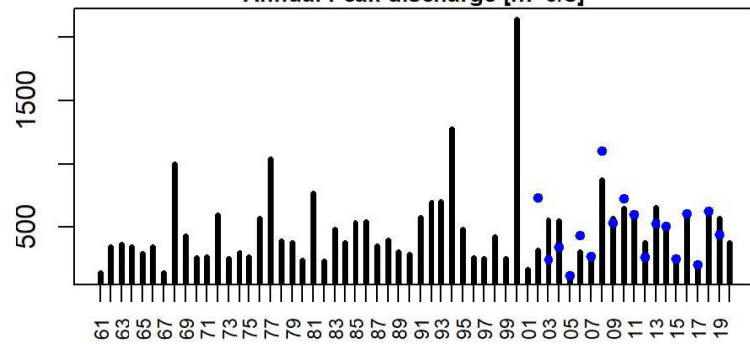
Hydrograph DBAVE [m<sup>3</sup>/s] / KGE= 0.82



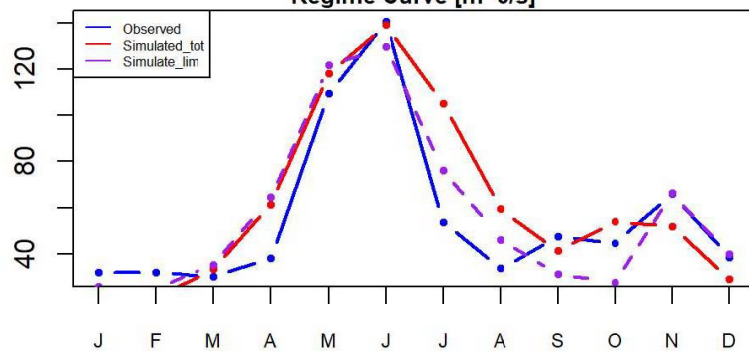
Mean Annual Discharge [m<sup>3</sup>/s]



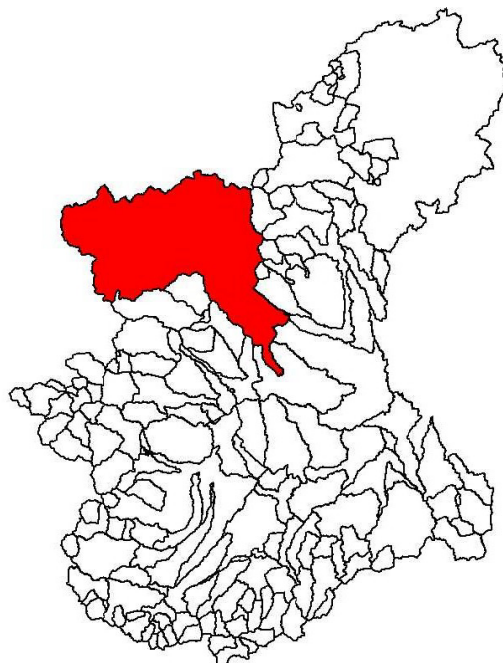
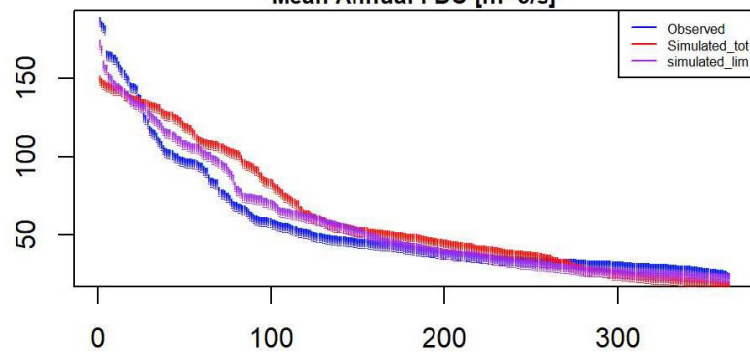
Annual Peak discharge [m<sup>3</sup>/s]



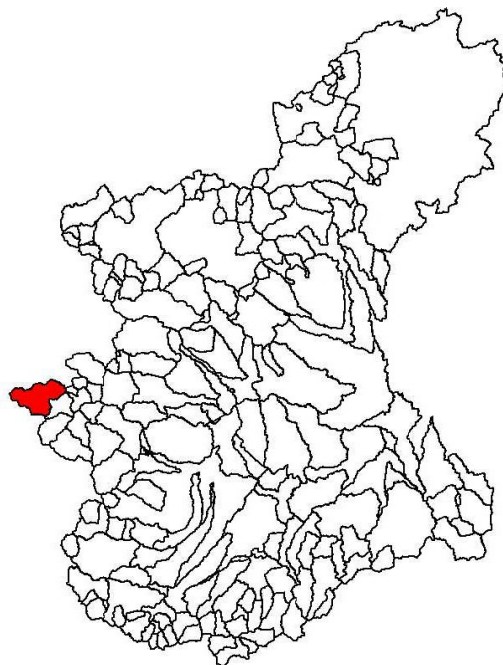
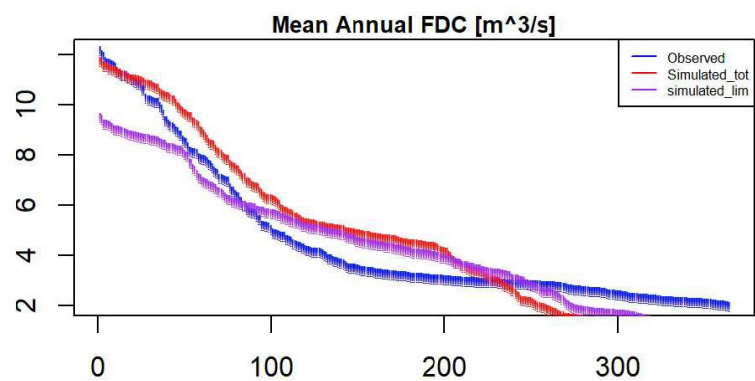
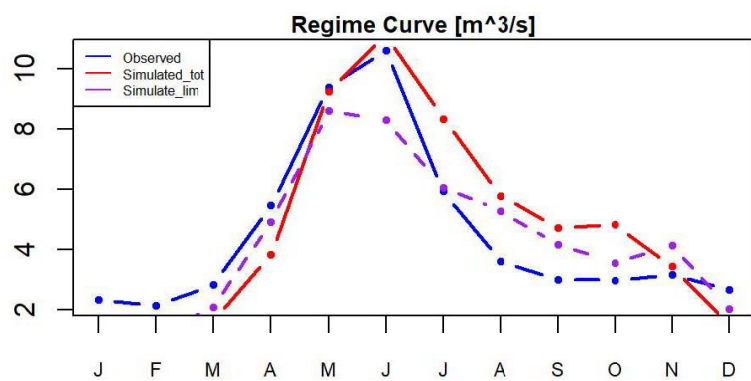
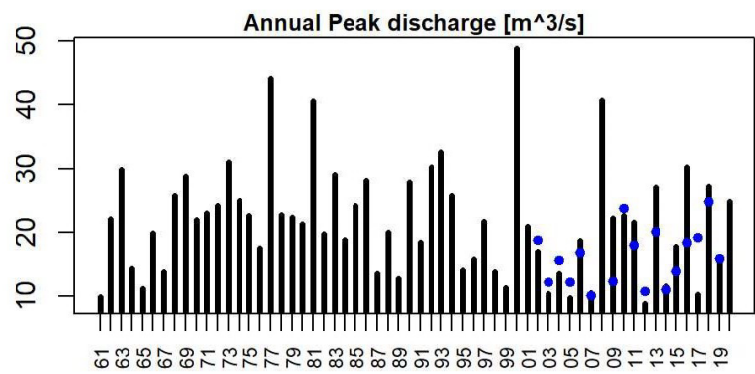
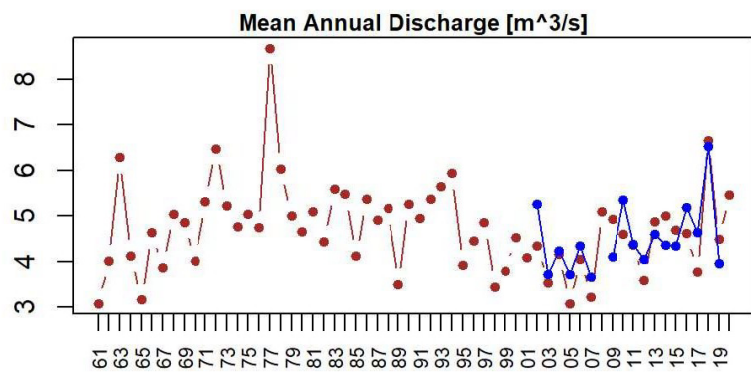
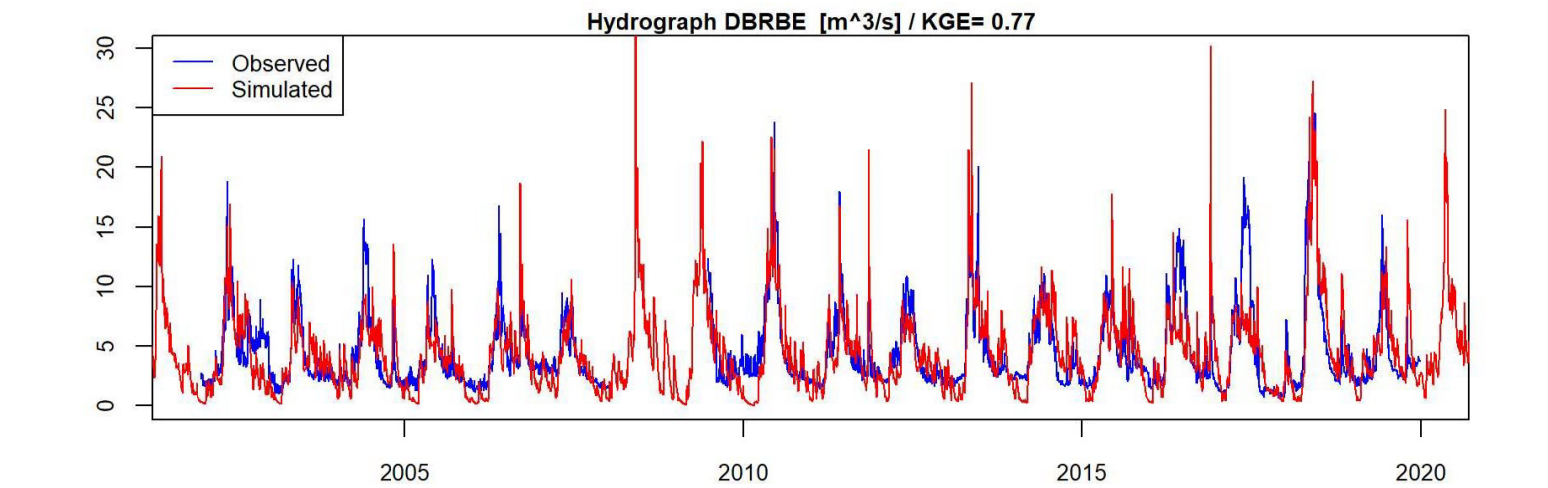
Regime Curve [m<sup>3</sup>/s]



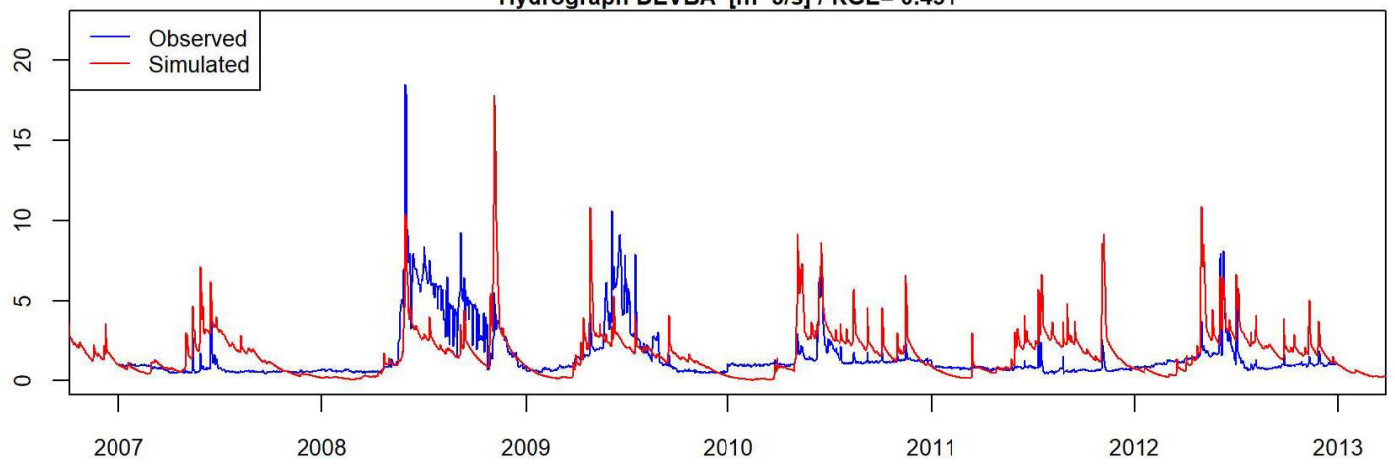
Mean Annual FDC [m<sup>3</sup>/s]



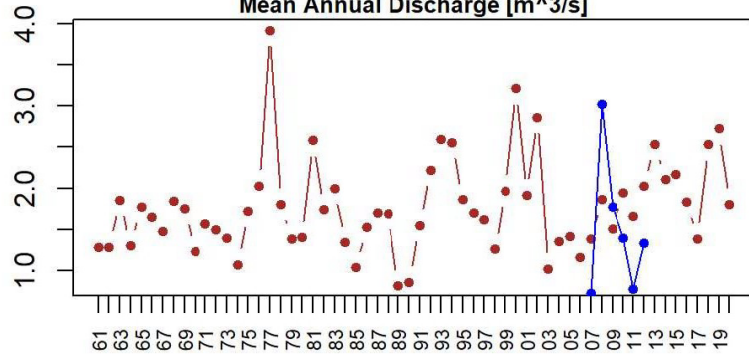




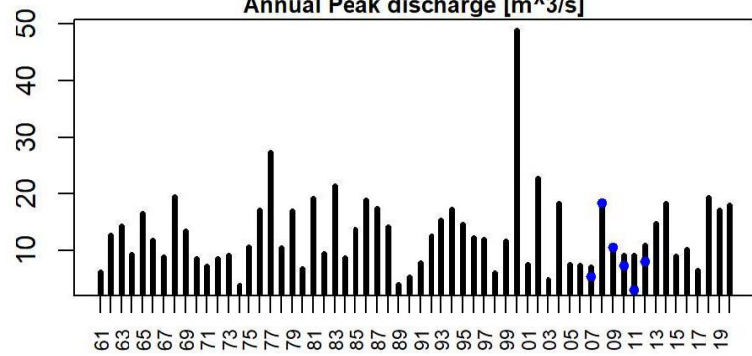
Hydrograph DEVBA [m<sup>3</sup>/s] / KGE= 0.451



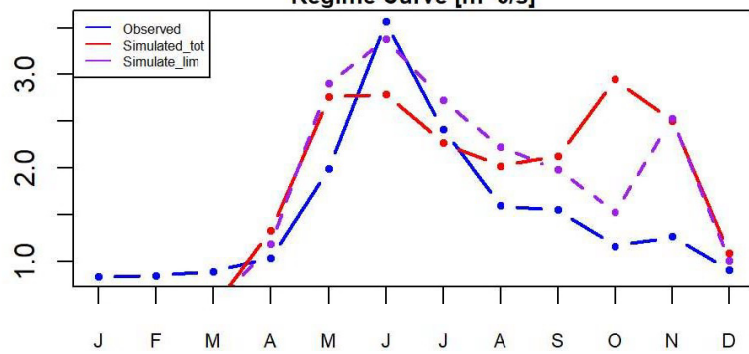
Mean Annual Discharge [m<sup>3</sup>/s]



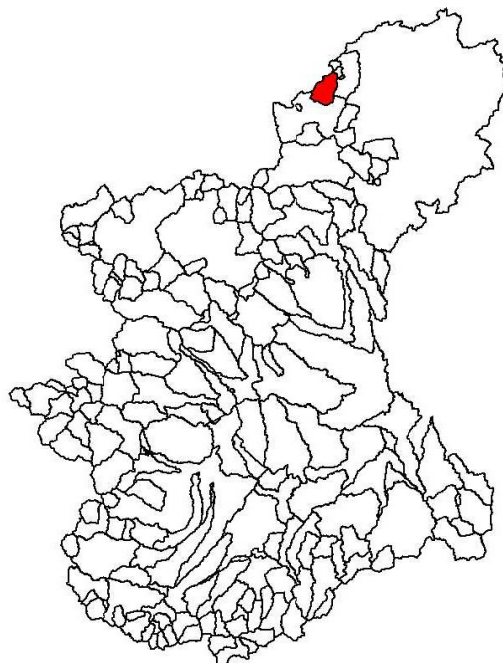
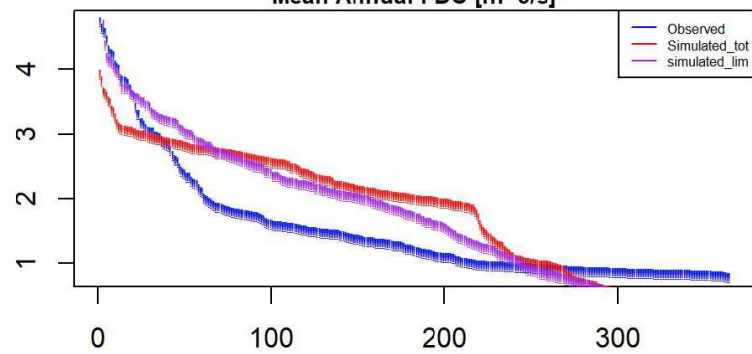
Annual Peak discharge [m<sup>3</sup>/s]



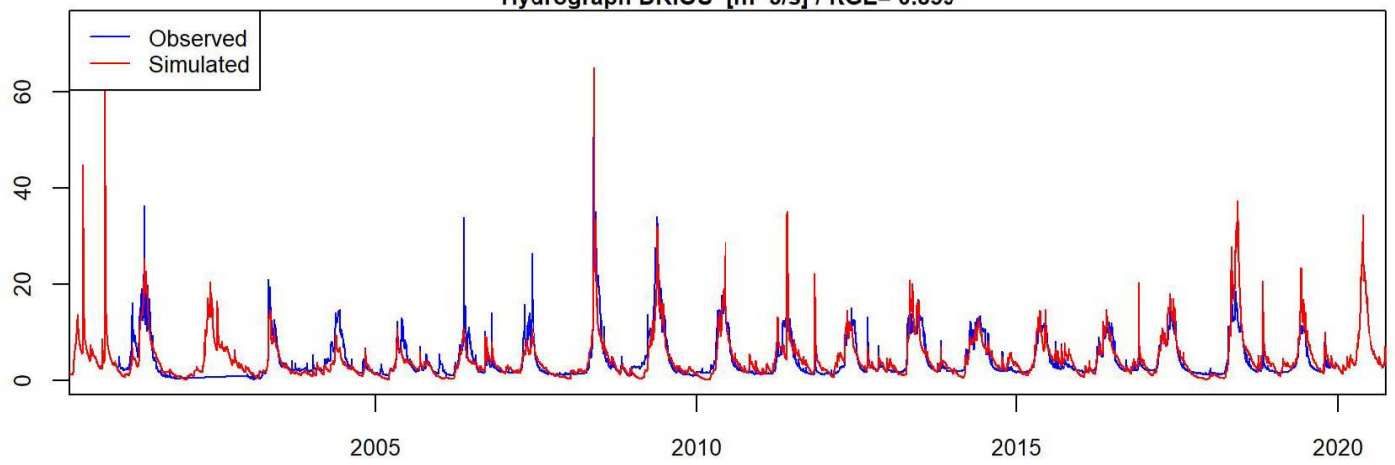
Regime Curve [m<sup>3</sup>/s]



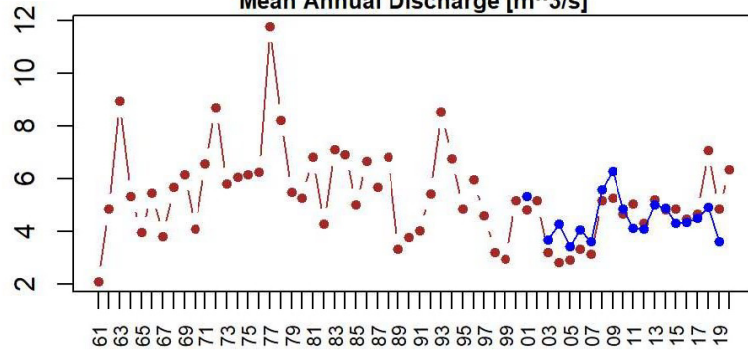
Mean Annual FDC [m<sup>3</sup>/s]



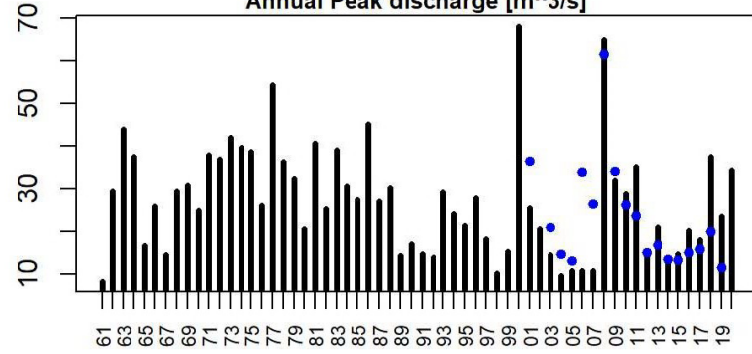
Hydrograph DRIOU [ $\text{m}^3/\text{s}$ ] / KGE= 0.859



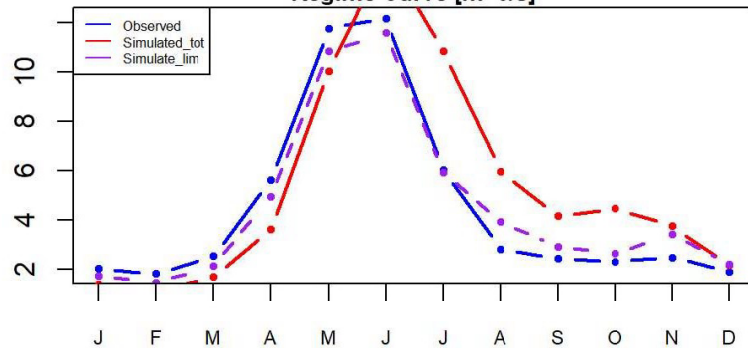
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



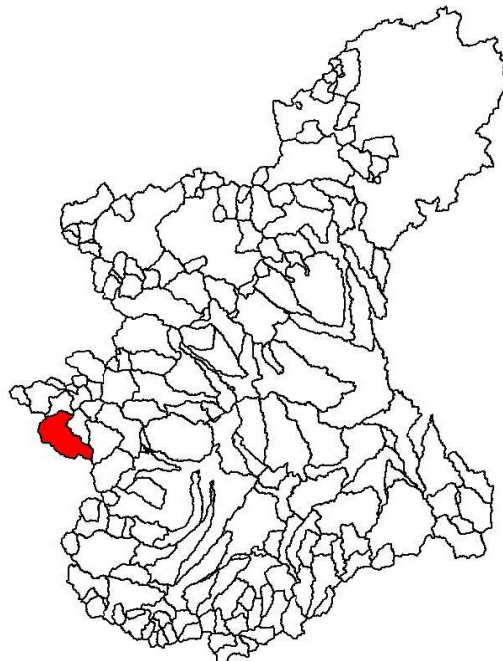
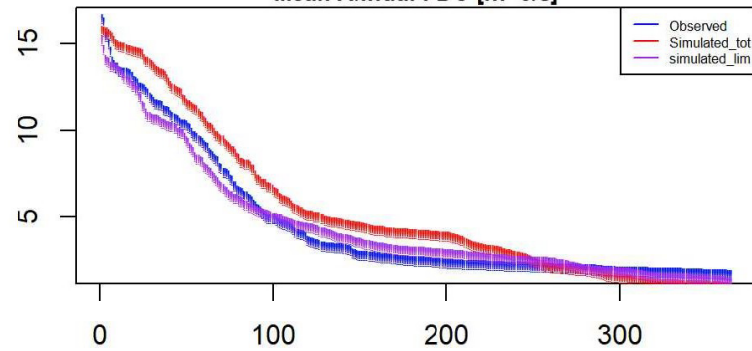
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

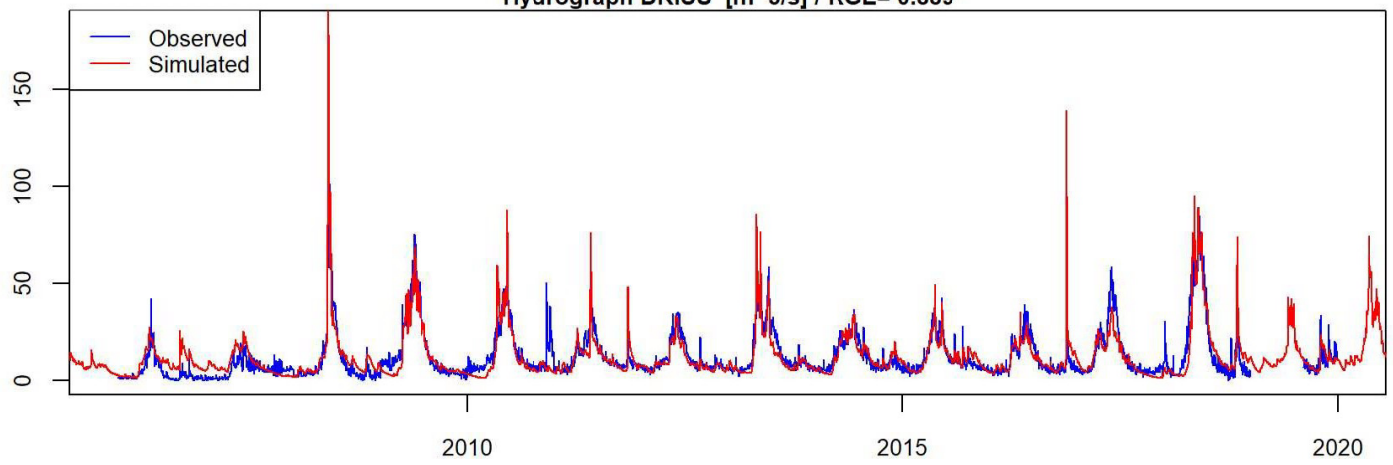


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

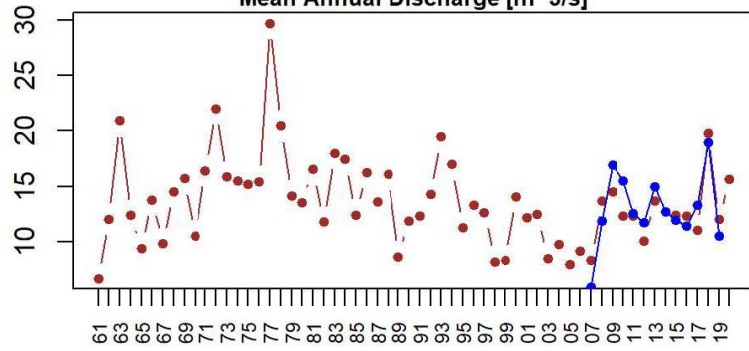




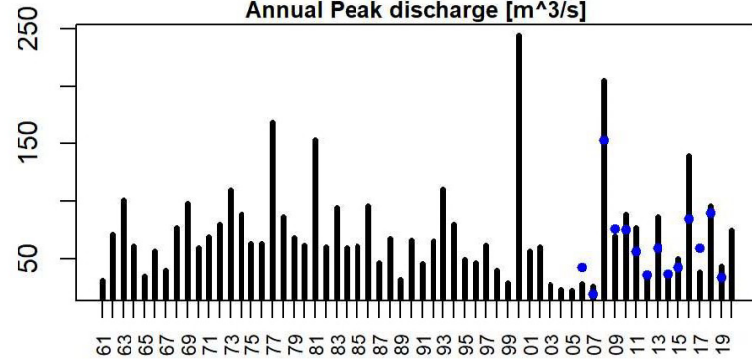
Hydrograph DRISU [m<sup>3</sup>/s] / KGE= 0.889



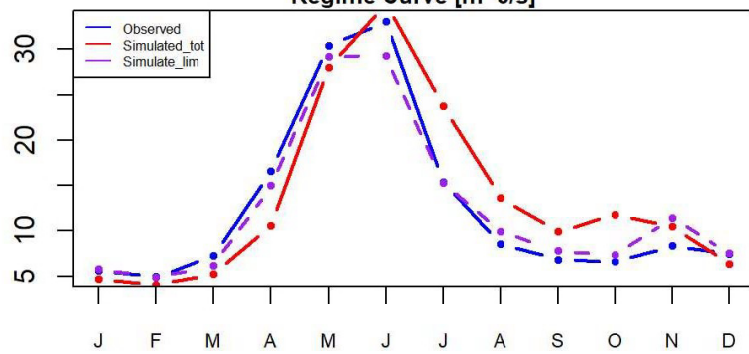
Mean Annual Discharge [m<sup>3</sup>/s]



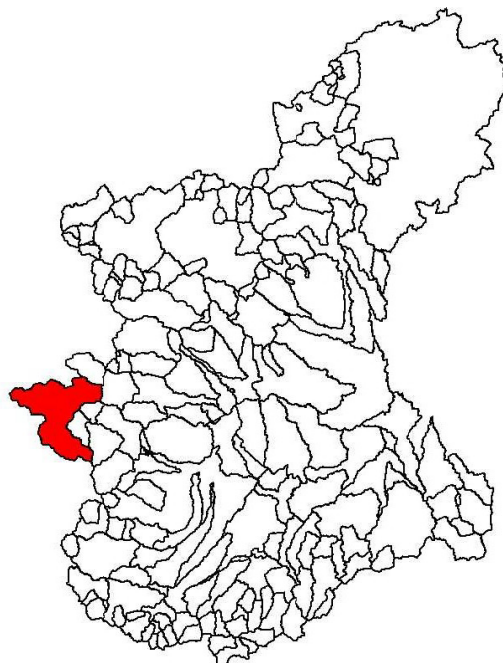
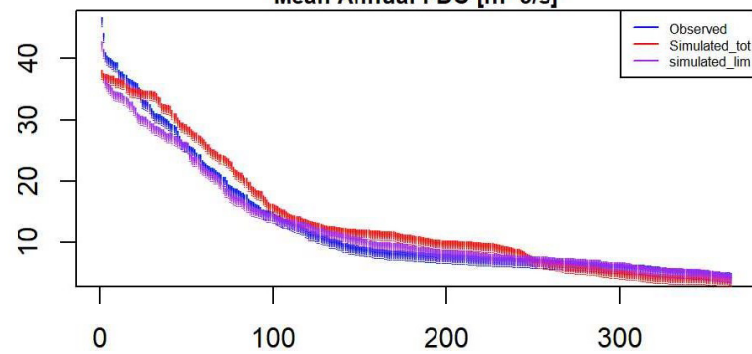
Annual Peak discharge [m<sup>3</sup>/s]



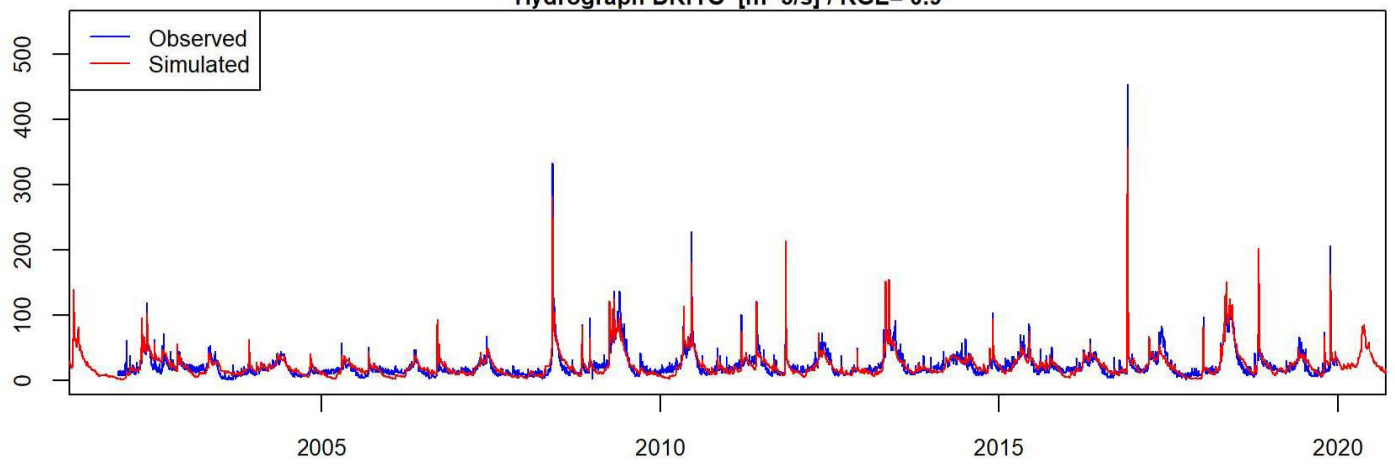
Regime Curve [m<sup>3</sup>/s]



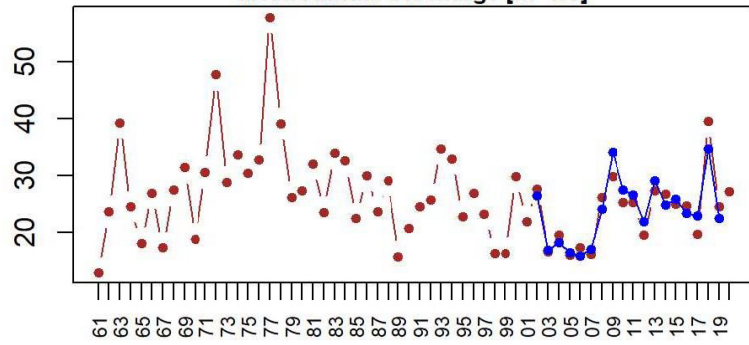
Mean Annual FDC [m<sup>3</sup>/s]



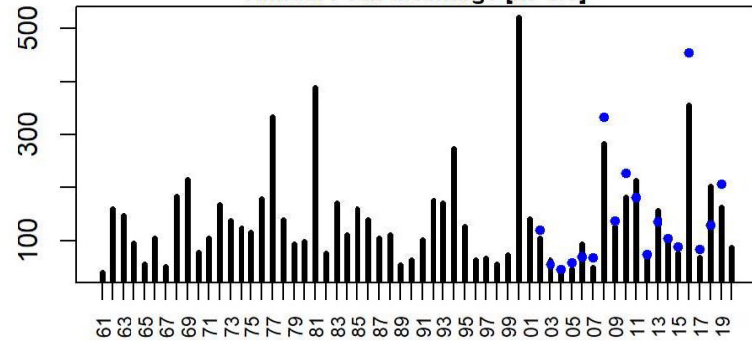
Hydrograph DRITO [ $\text{m}^3/\text{s}$ ] / KGE= 0.9



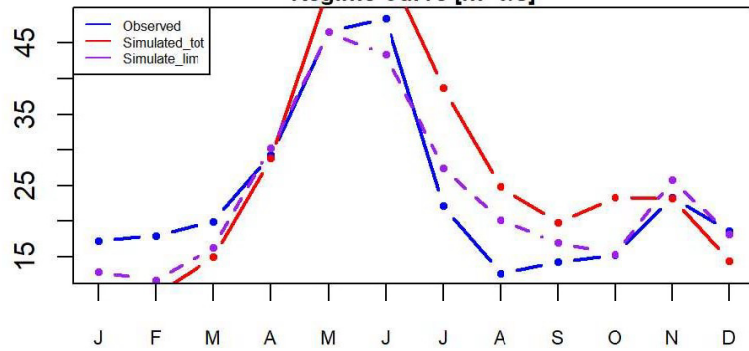
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



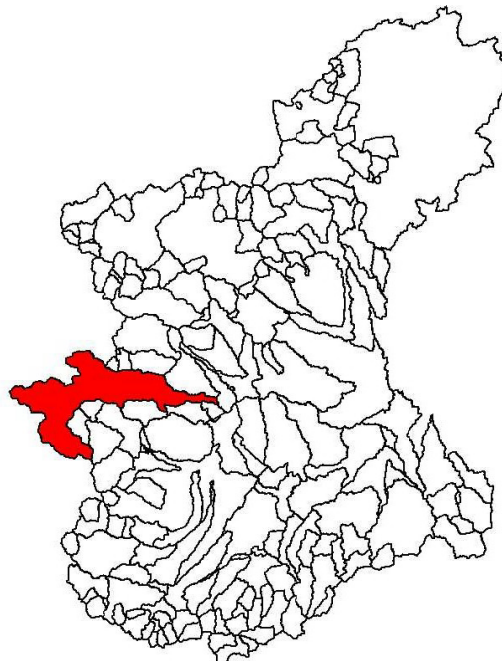
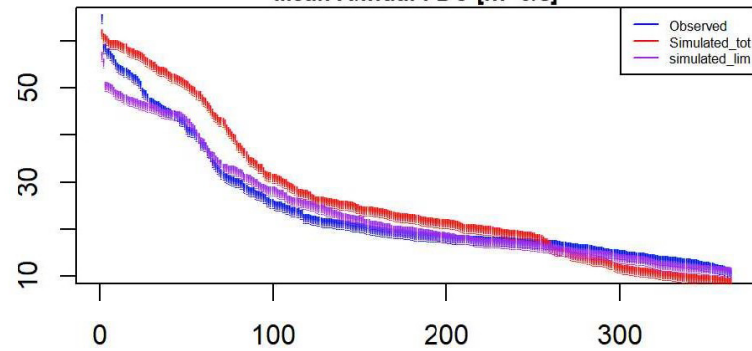
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



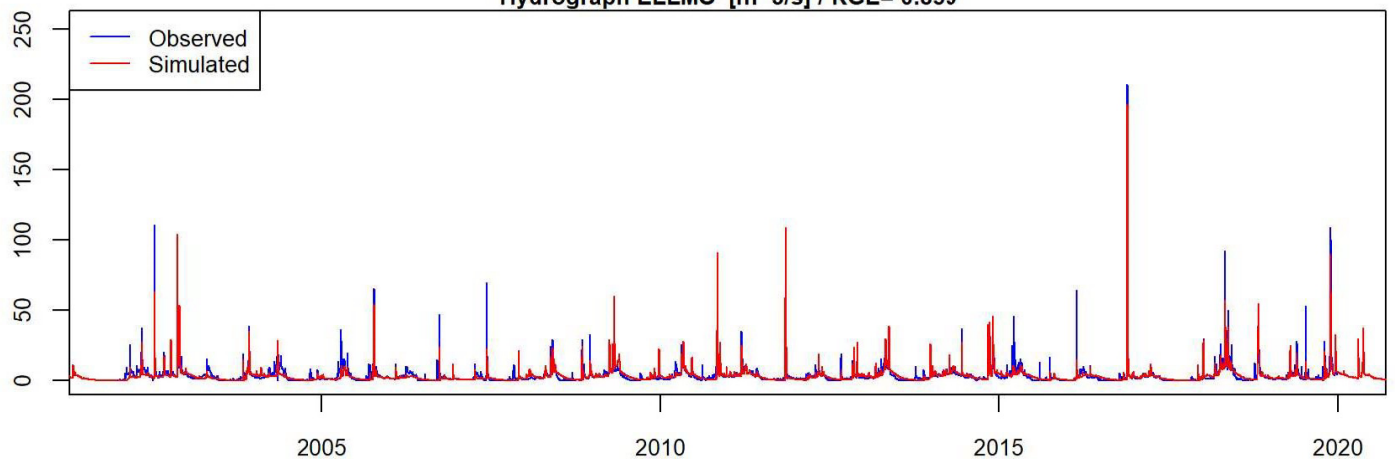
Regime Curve [ $\text{m}^3/\text{s}$ ]



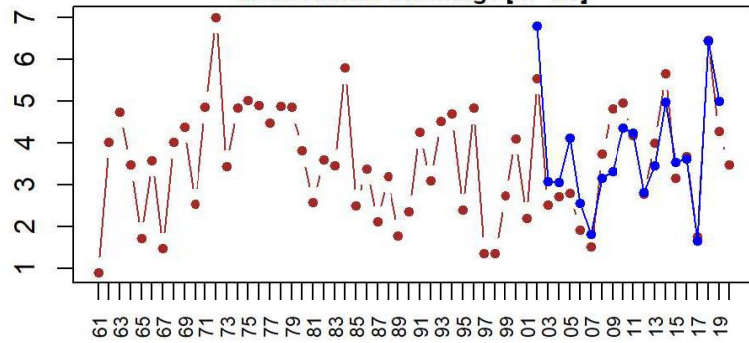
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



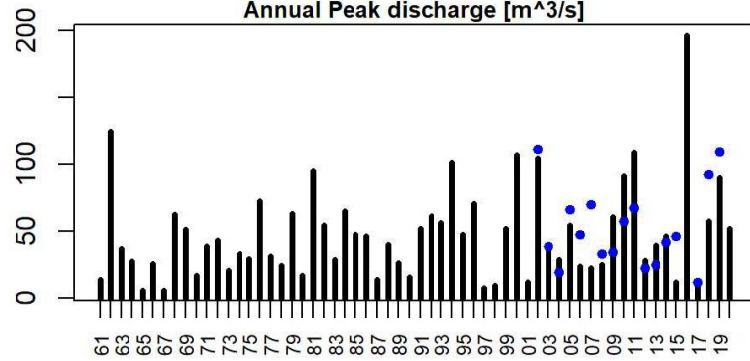
Hydrograph ELLMO [m<sup>3</sup>/s] / KGE= 0.859



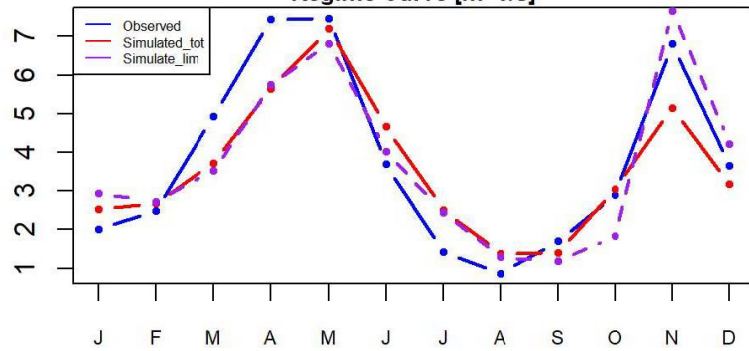
Mean Annual Discharge [m<sup>3</sup>/s]



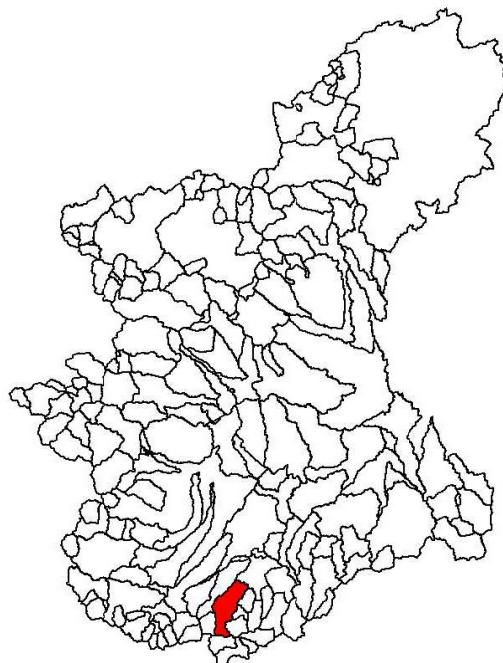
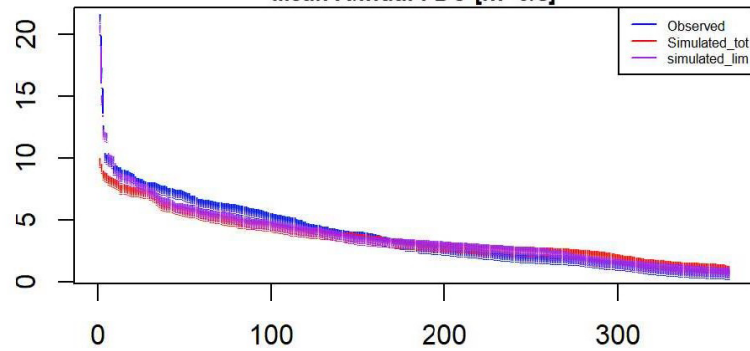
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

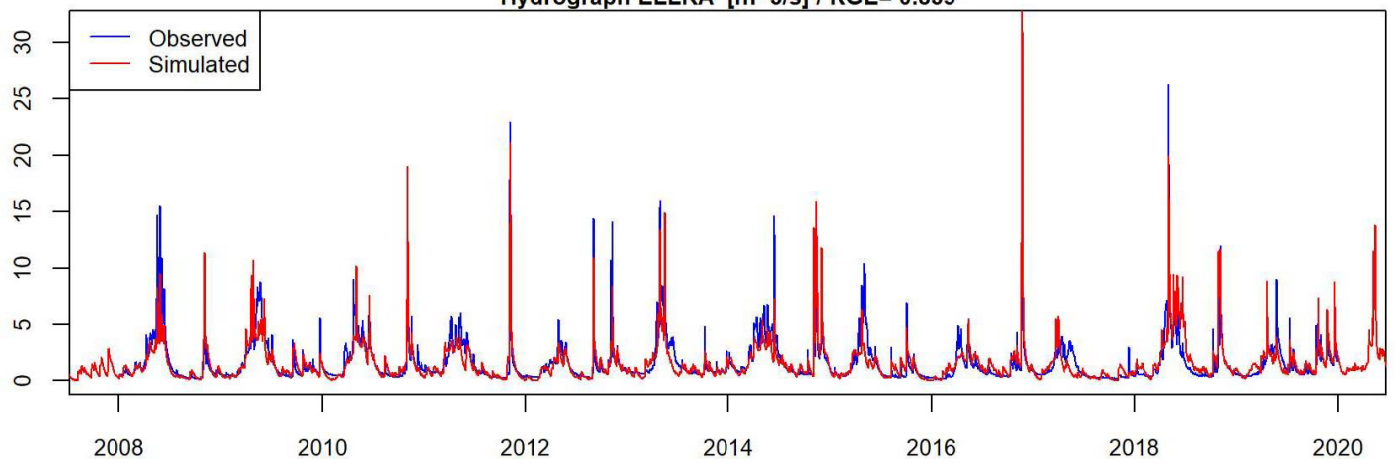


Mean Annual FDC [m<sup>3</sup>/s]

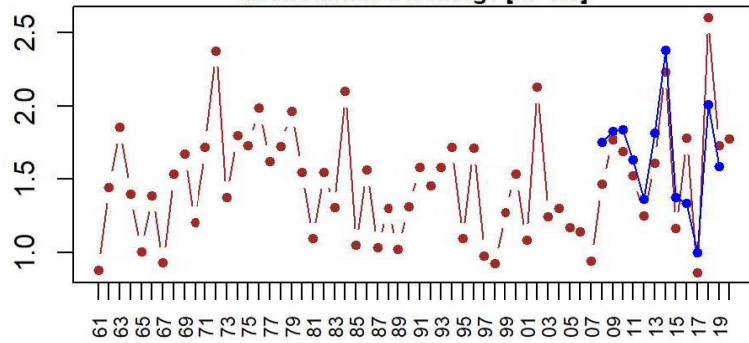




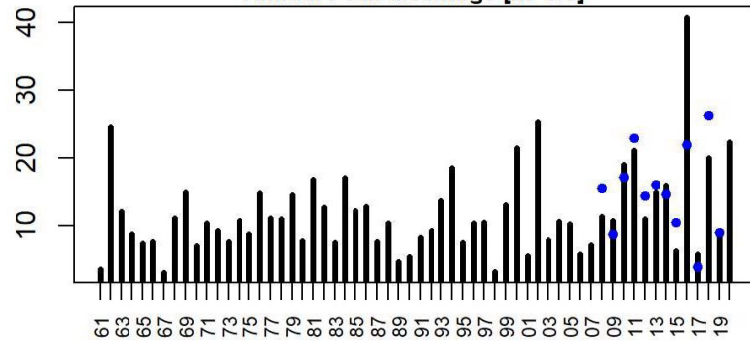
Hydrograph ELLRA [m<sup>3</sup>/s] / KGE= 0.835



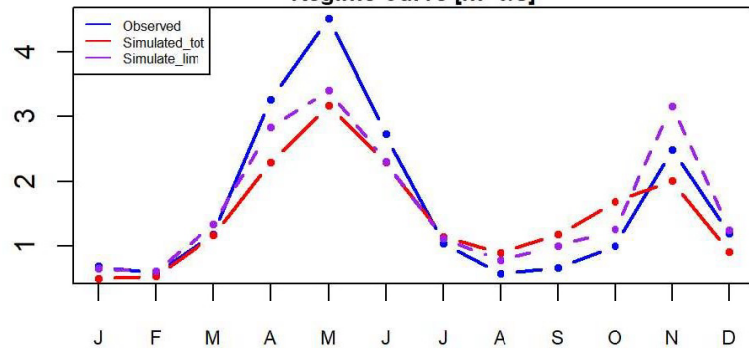
Mean Annual Discharge [m<sup>3</sup>/s]



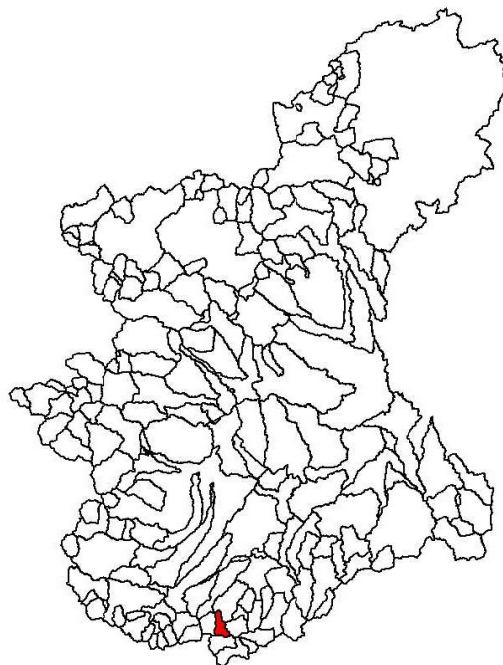
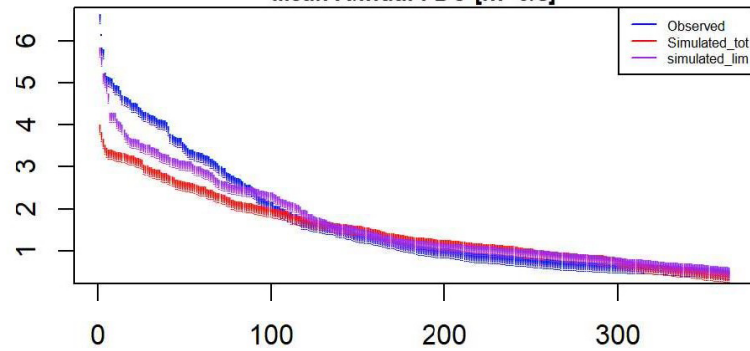
Annual Peak discharge [m<sup>3</sup>/s]



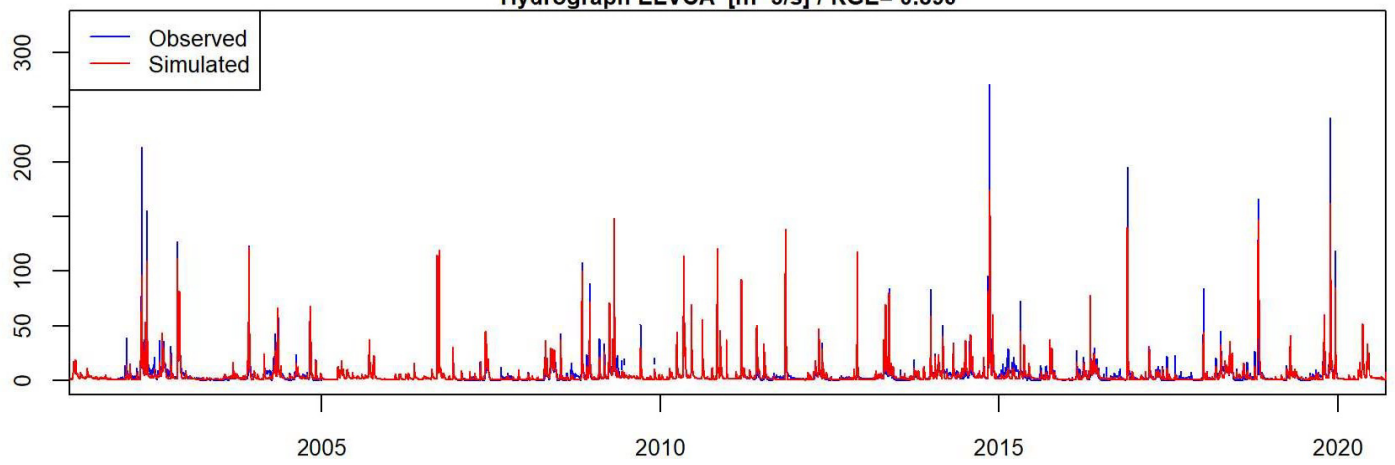
Regime Curve [m<sup>3</sup>/s]



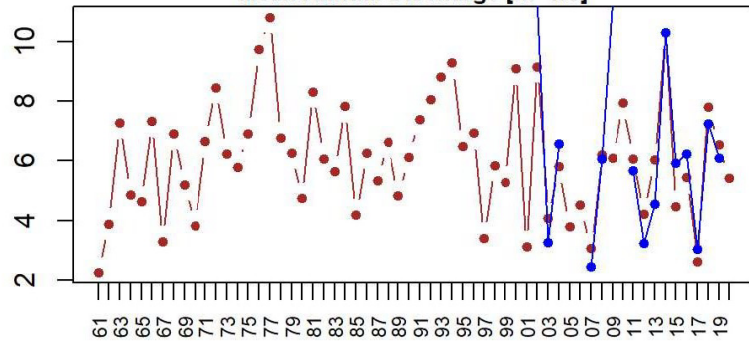
Mean Annual FDC [m<sup>3</sup>/s]



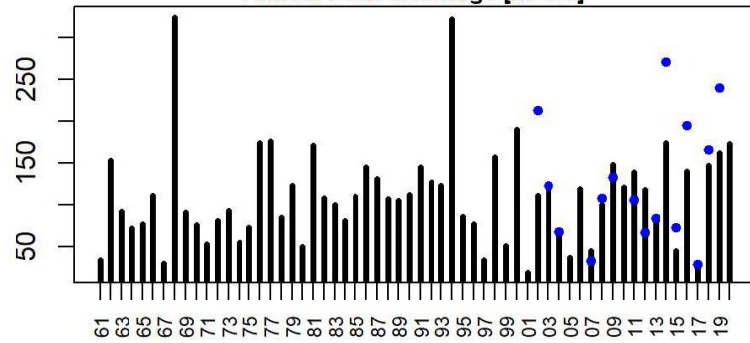
Hydrograph ELVCA [m<sup>3</sup>/s] / KGE= 0.898



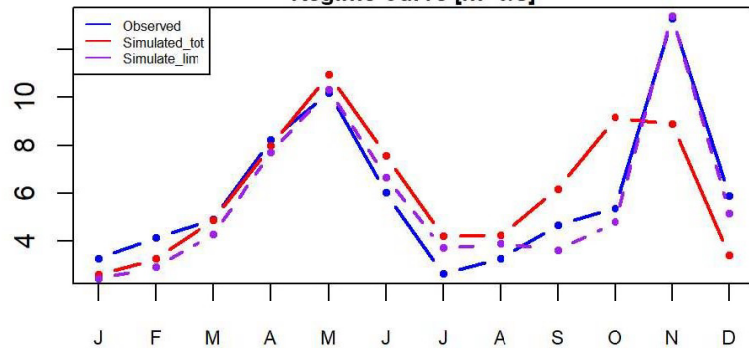
Mean Annual Discharge [m<sup>3</sup>/s]



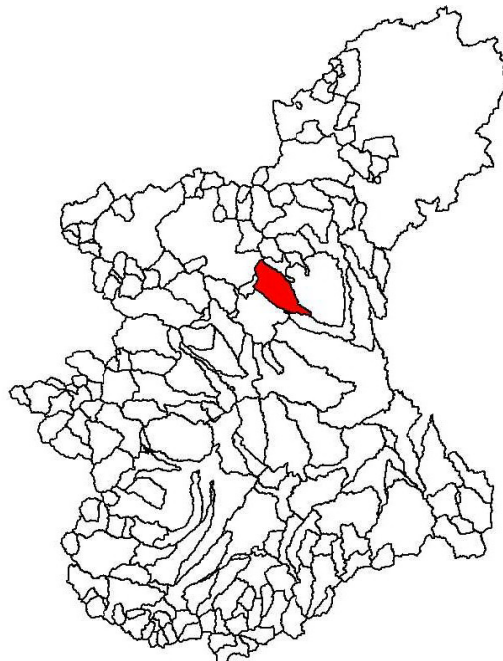
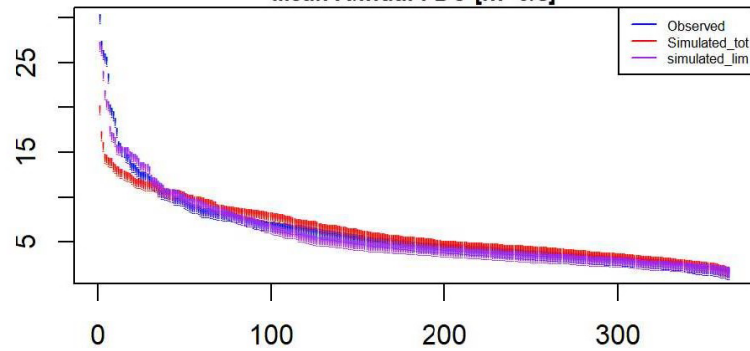
Annual Peak discharge [m<sup>3</sup>/s]



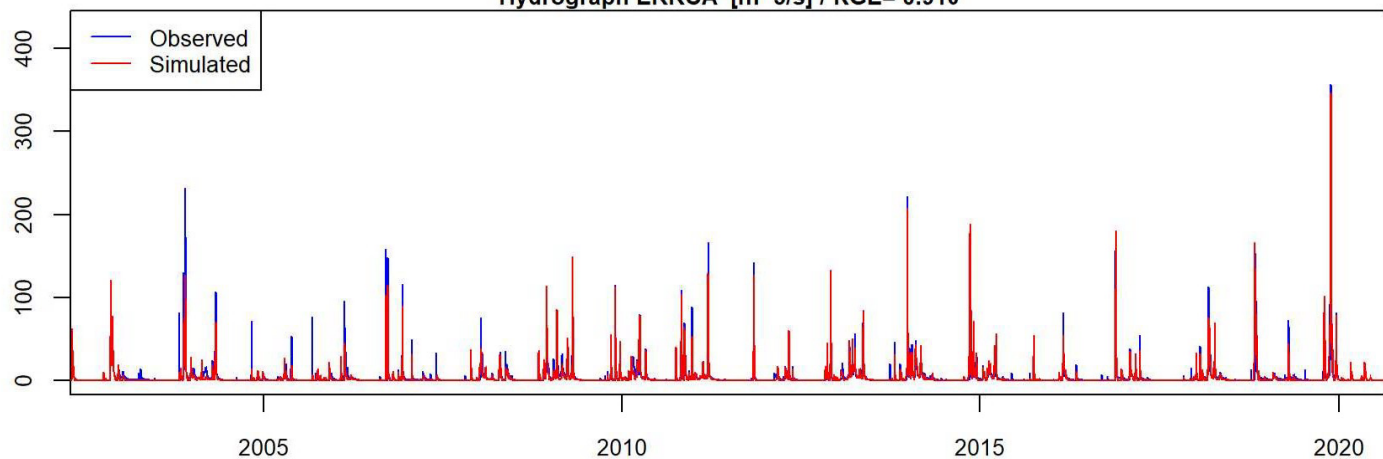
Regime Curve [m<sup>3</sup>/s]



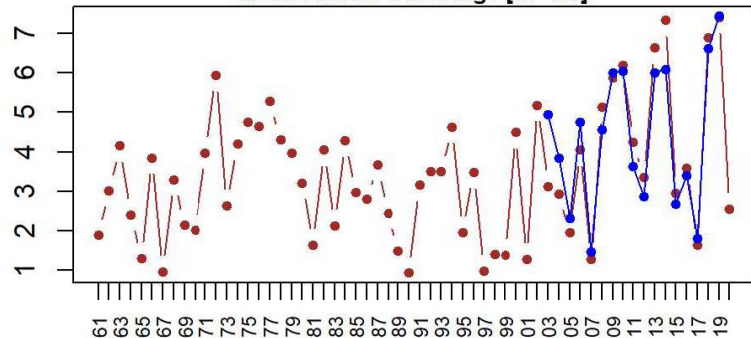
Mean Annual FDC [m<sup>3</sup>/s]



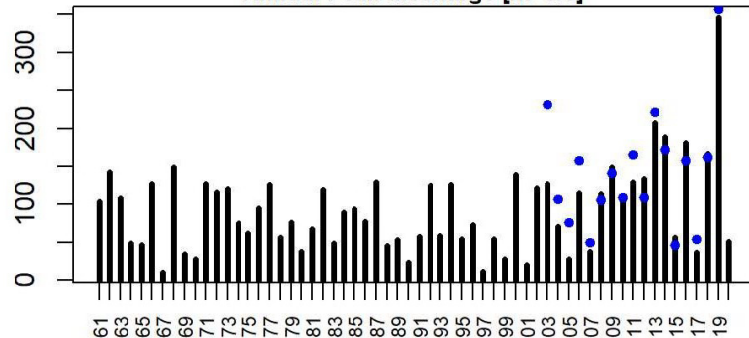
Hydrograph ERRCA [m<sup>3</sup>/s] / KGE= 0.916



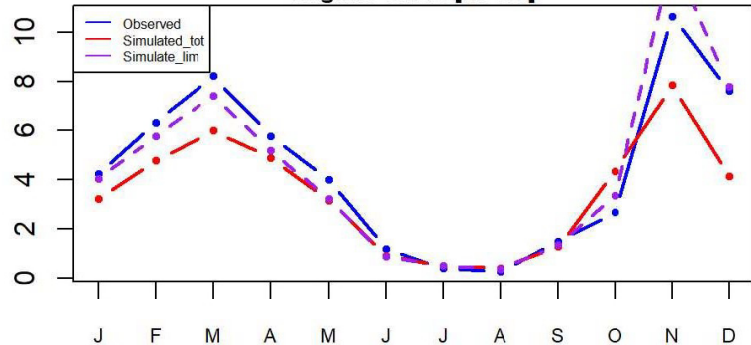
Mean Annual Discharge [m<sup>3</sup>/s]



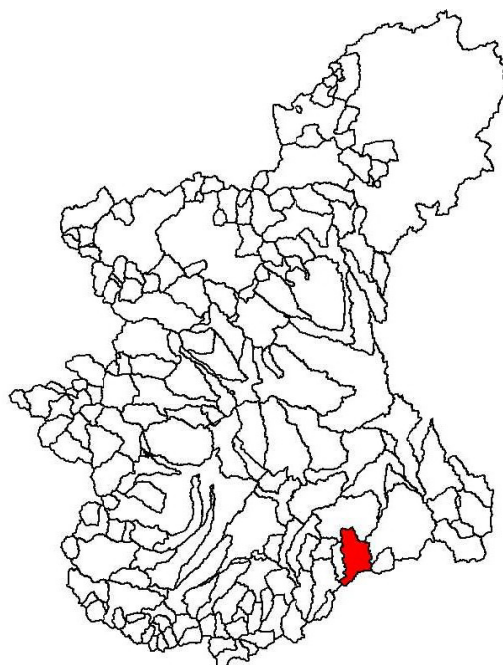
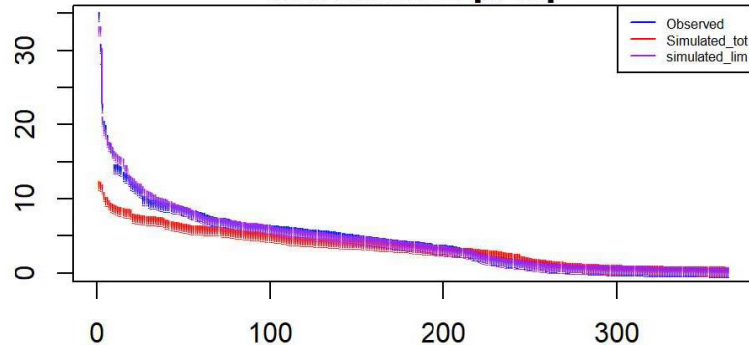
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

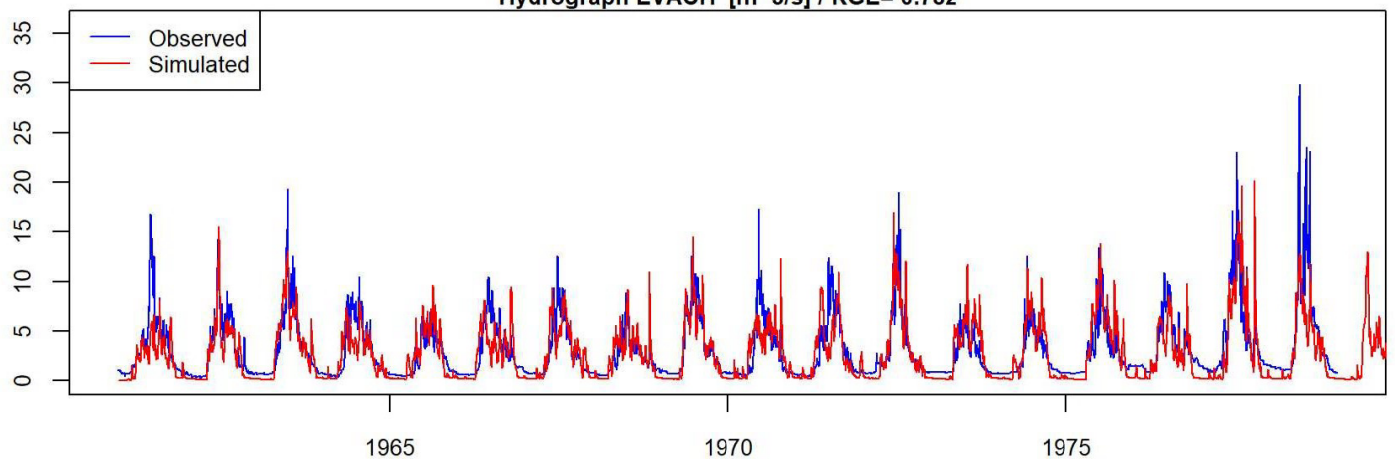


Mean Annual FDC [m<sup>3</sup>/s]

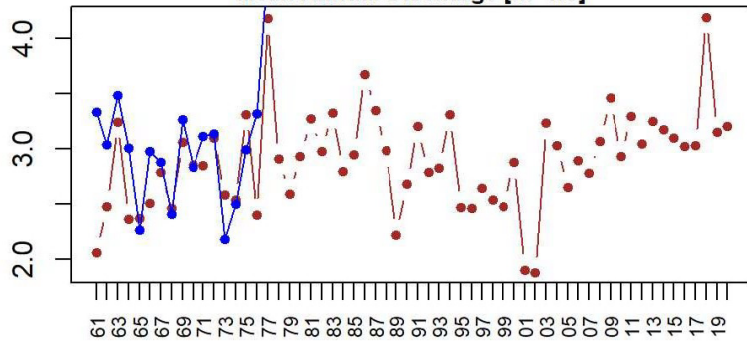




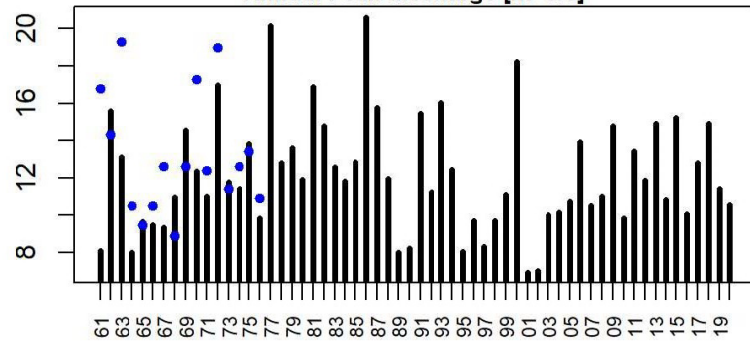
Hydrograph EVACH [m<sup>3</sup>/s] / KGE= 0.782



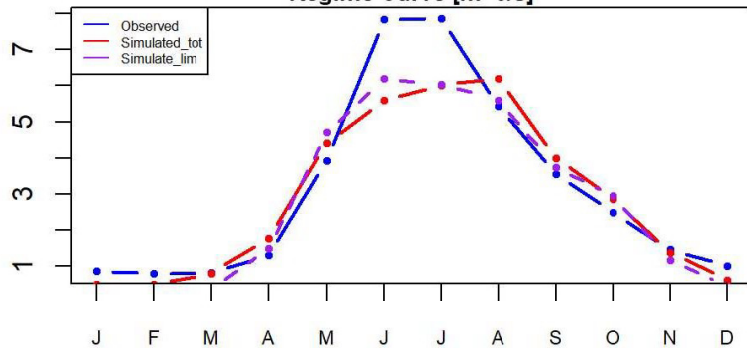
Mean Annual Discharge [m<sup>3</sup>/s]



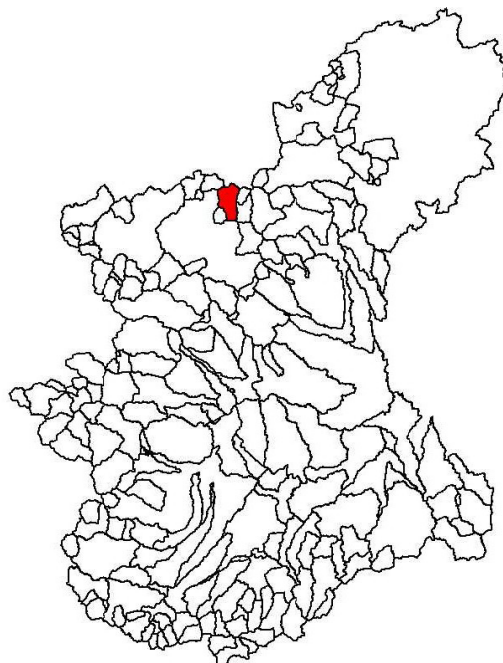
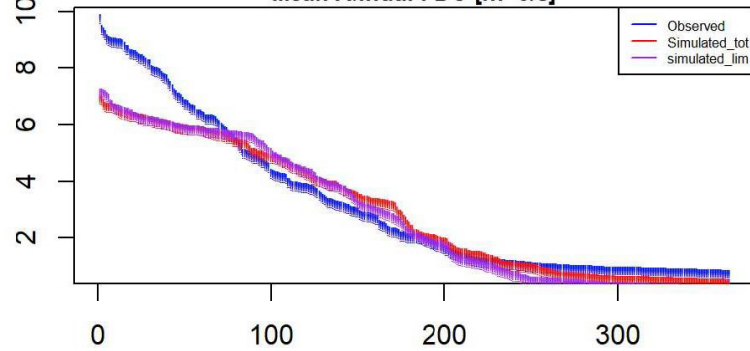
Annual Peak discharge [m<sup>3</sup>/s]



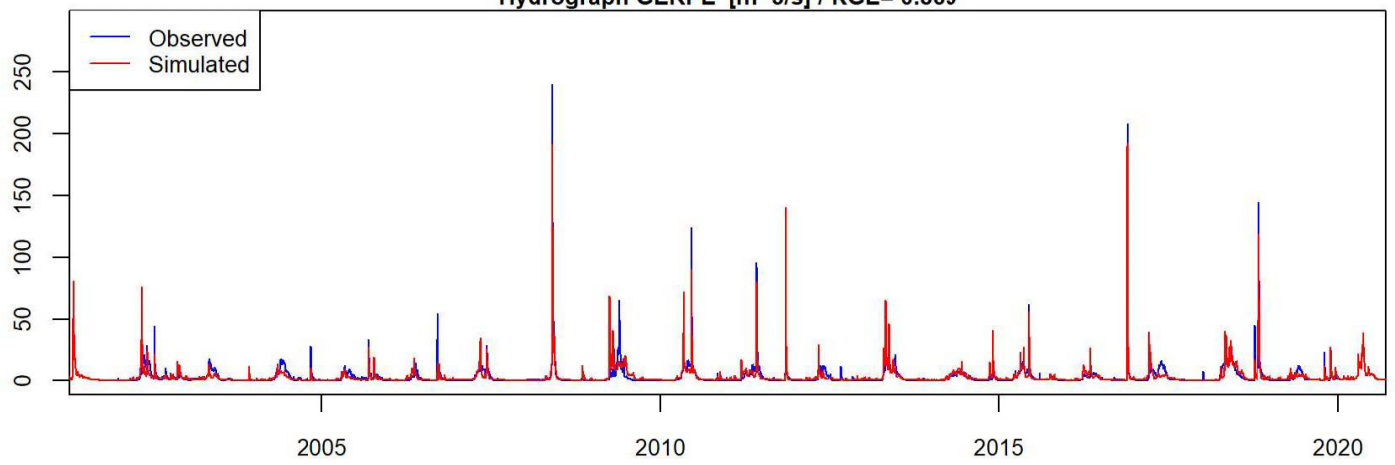
Regime Curve [m<sup>3</sup>/s]



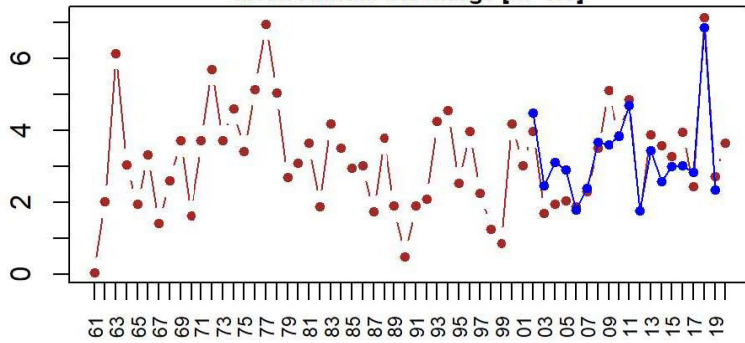
Mean Annual FDC [m<sup>3</sup>/s]



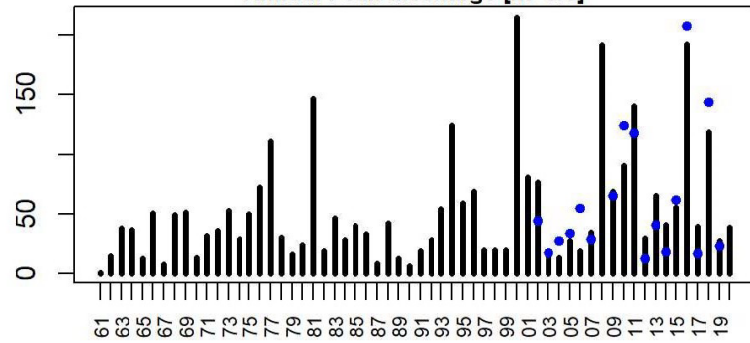
Hydrograph GERPE [m<sup>3</sup>/s] / KGE= 0.869



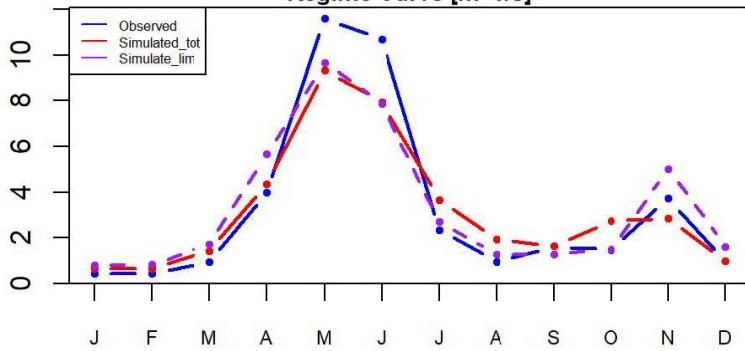
Mean Annual Discharge [m<sup>3</sup>/s]



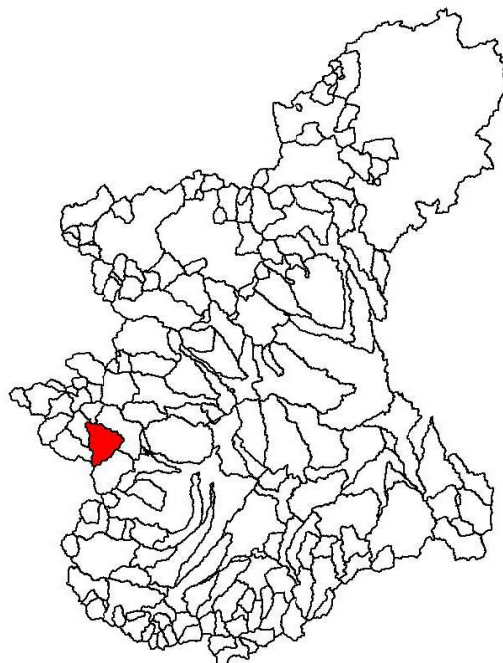
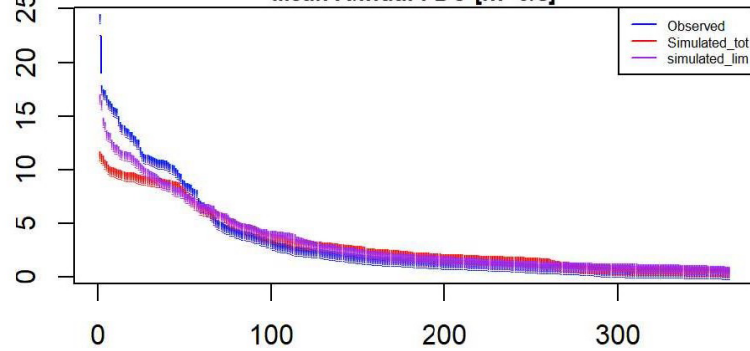
Annual Peak discharge [m<sup>3</sup>/s]



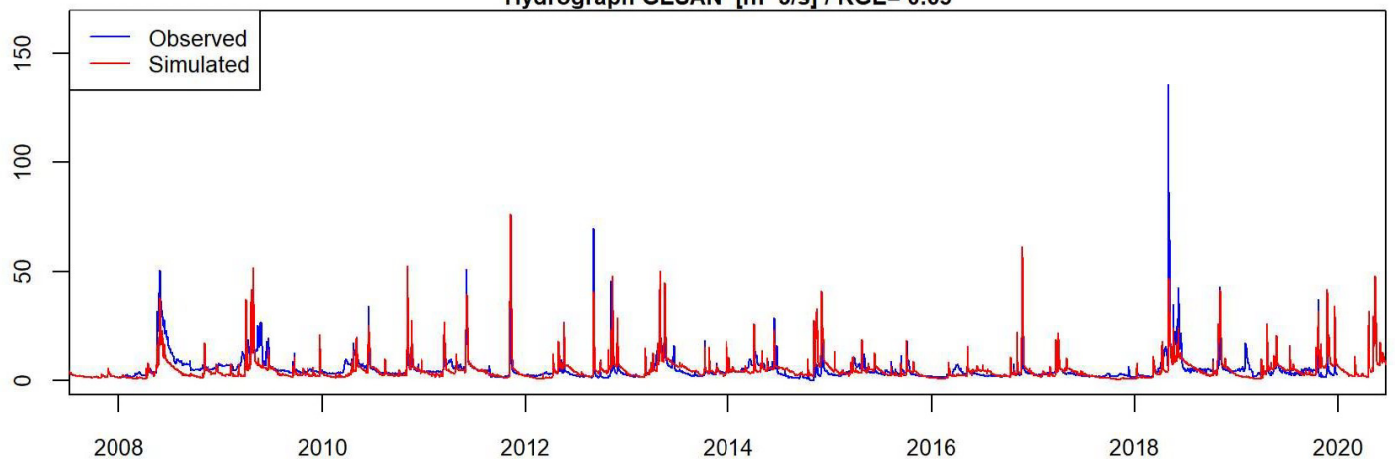
Regime Curve [m<sup>3</sup>/s]



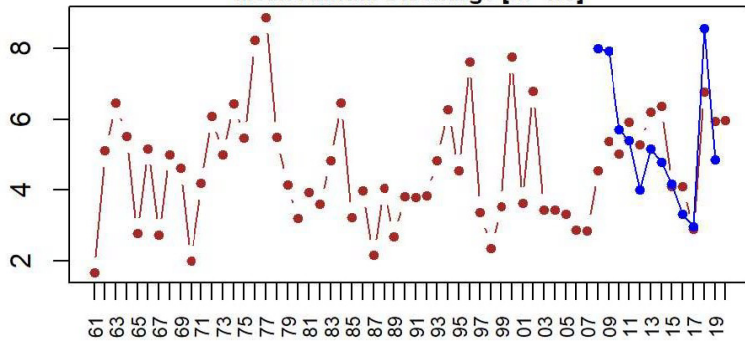
Mean Annual FDC [m<sup>3</sup>/s]



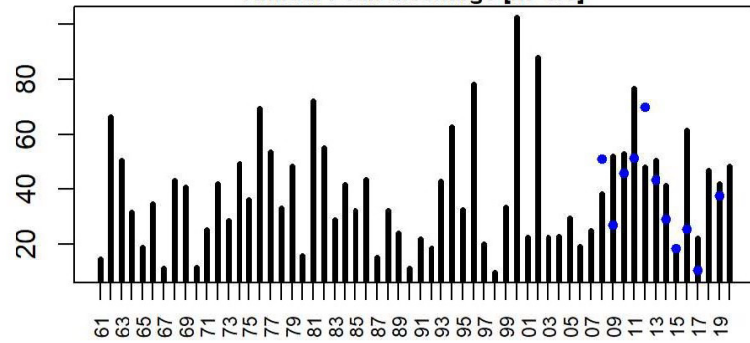
Hydrograph GESAN [m<sup>3</sup>/s] / KGE= 0.65



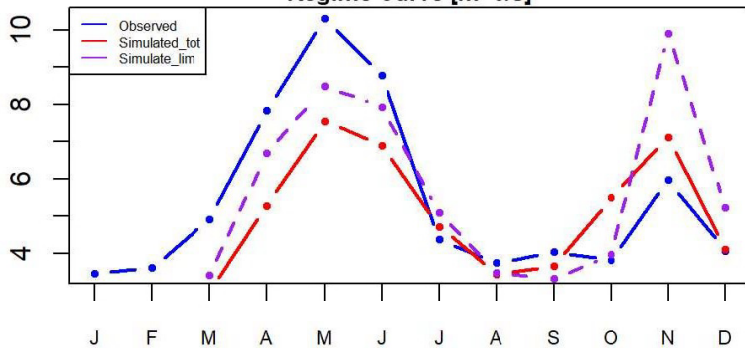
Mean Annual Discharge [m<sup>3</sup>/s]



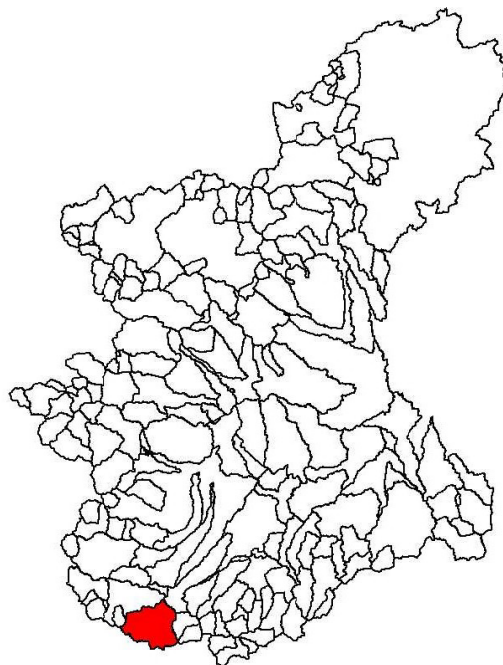
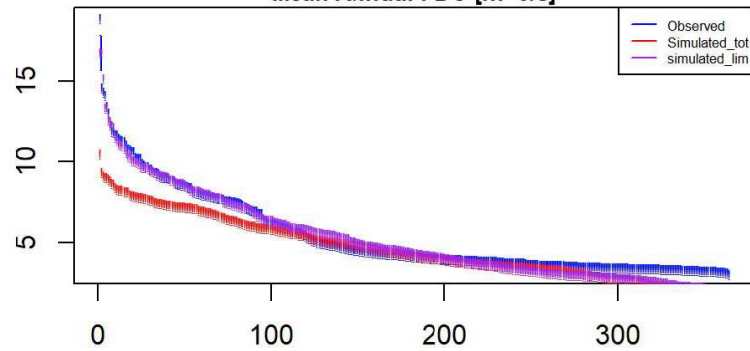
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

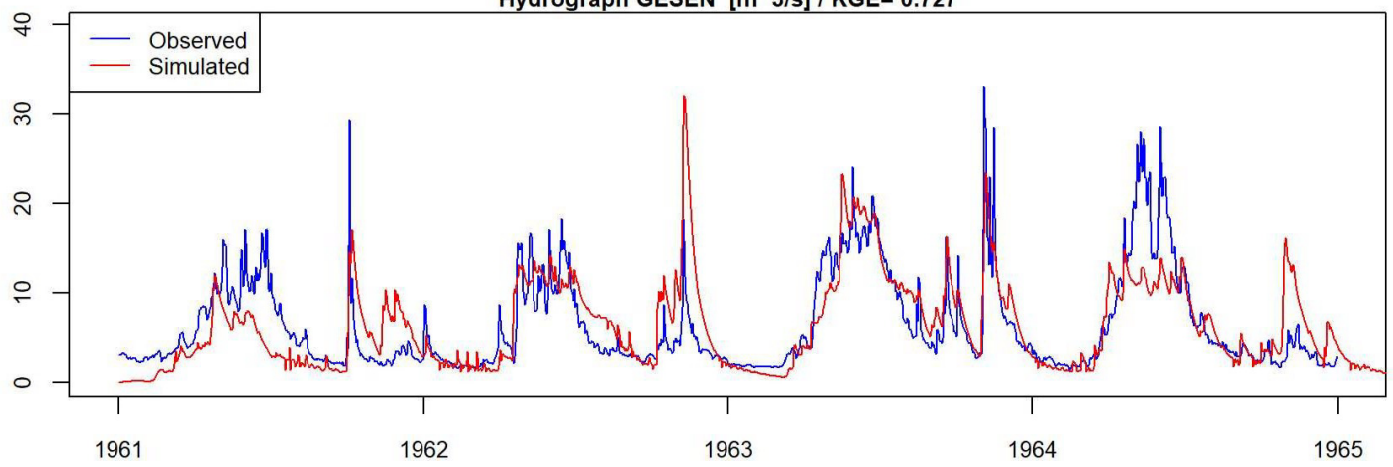


Mean Annual FDC [m<sup>3</sup>/s]

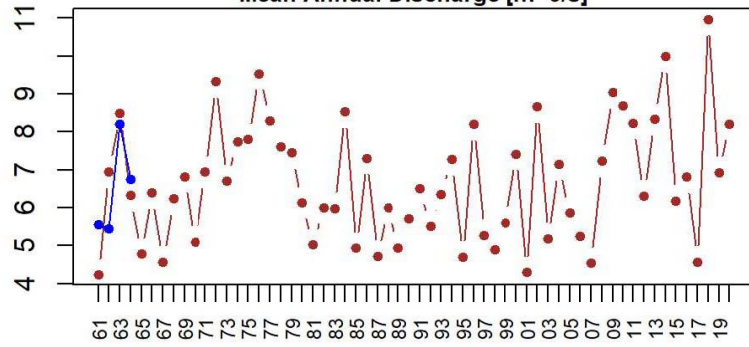




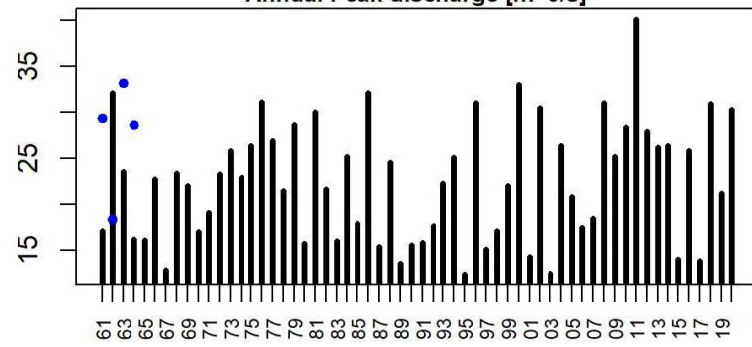
Hydrograph GESEN [ $\text{m}^3/\text{s}$ ] / KGE= 0.727



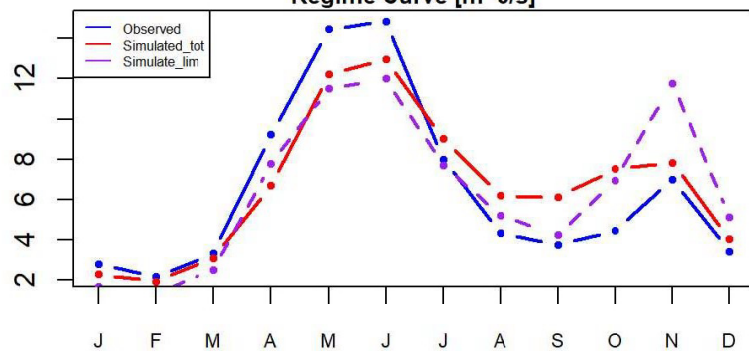
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



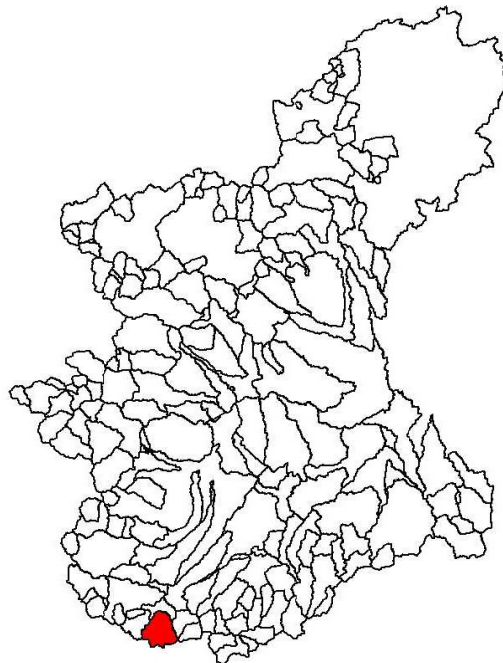
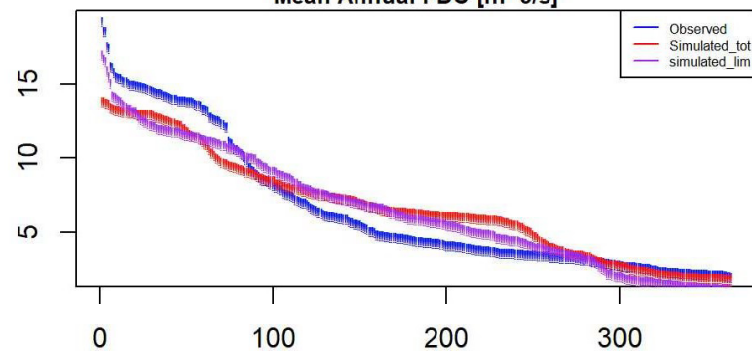
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



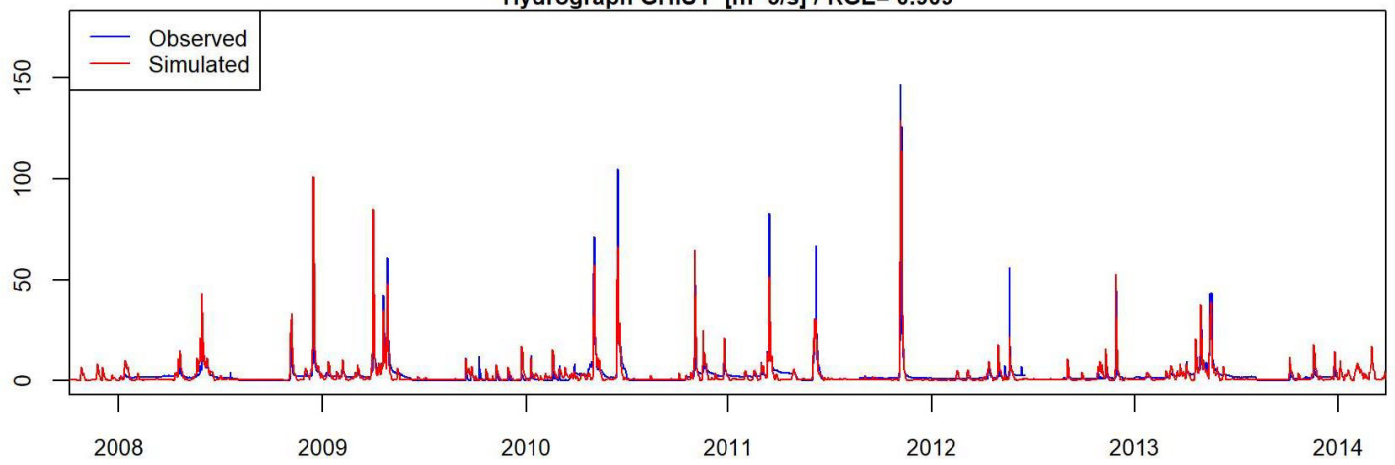
Regime Curve [ $\text{m}^3/\text{s}$ ]



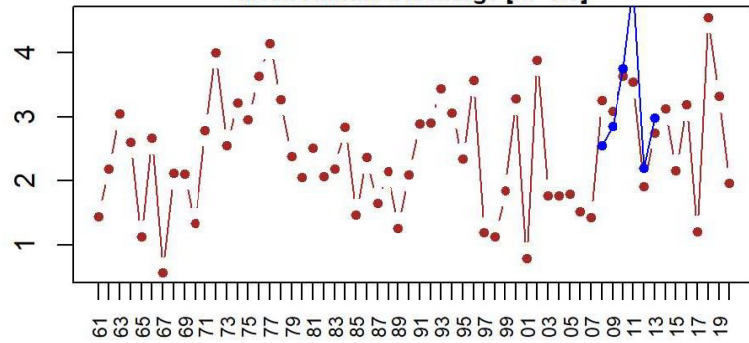
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



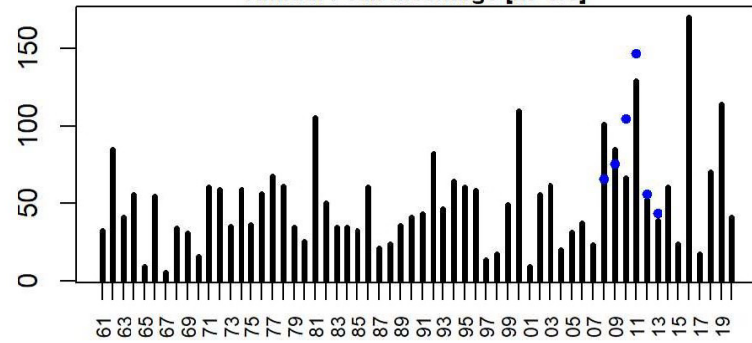
Hydrograph GHIST [ $\text{m}^3/\text{s}$ ] / KGE= 0.909



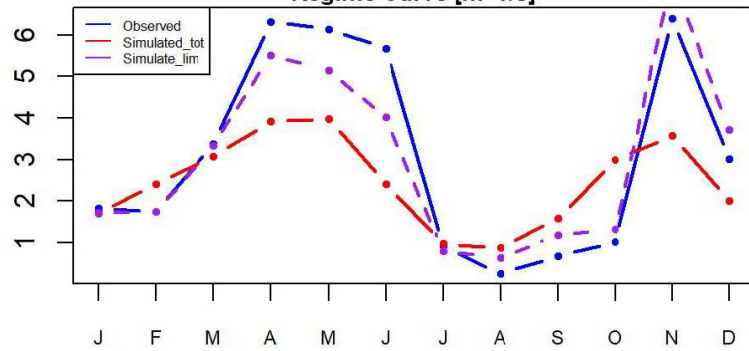
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



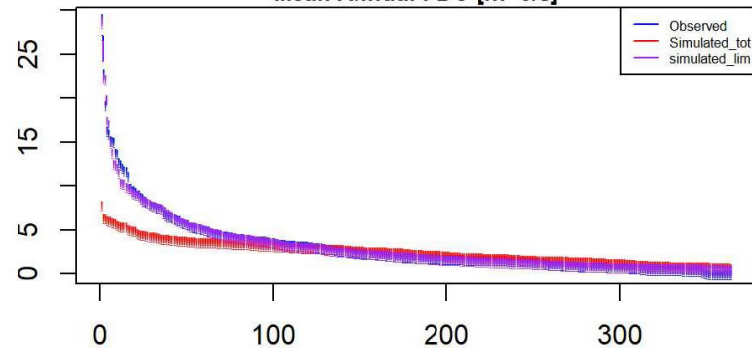
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



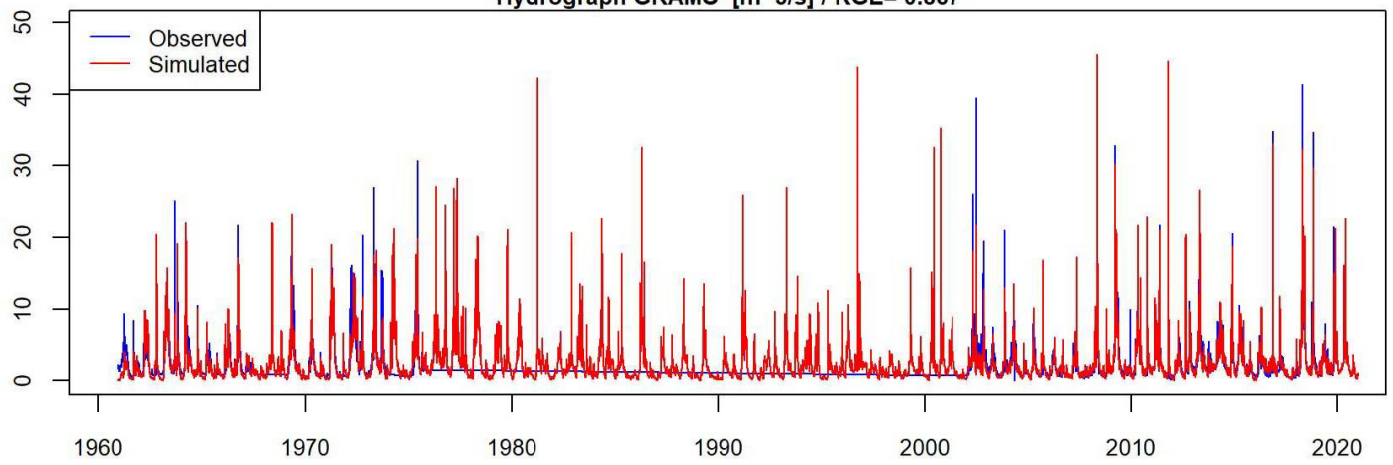
Regime Curve [ $\text{m}^3/\text{s}$ ]



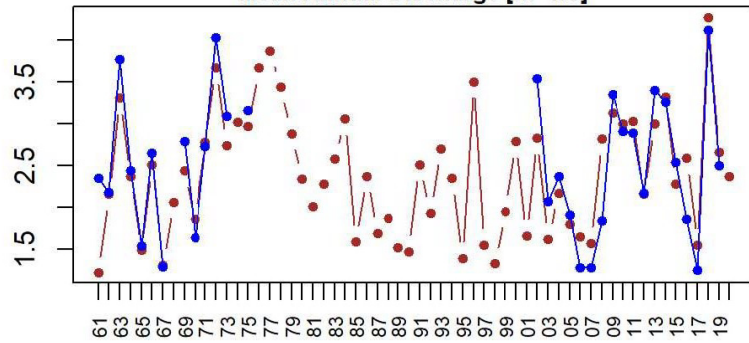
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



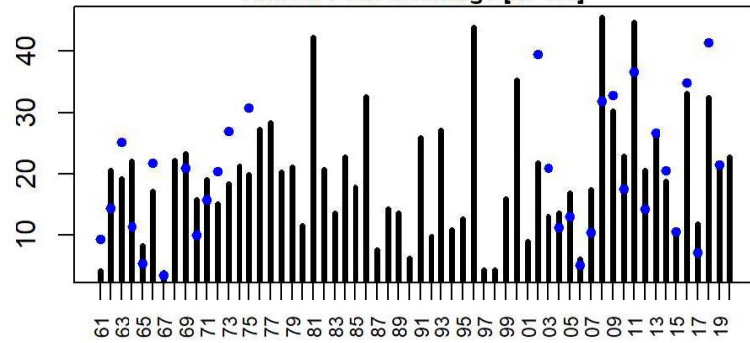
Hydrograph GRAMO [m<sup>3</sup>/s] / KGE= 0.867



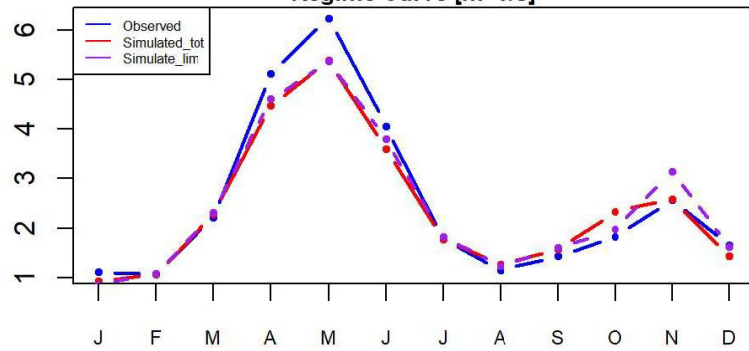
Mean Annual Discharge [m<sup>3</sup>/s]



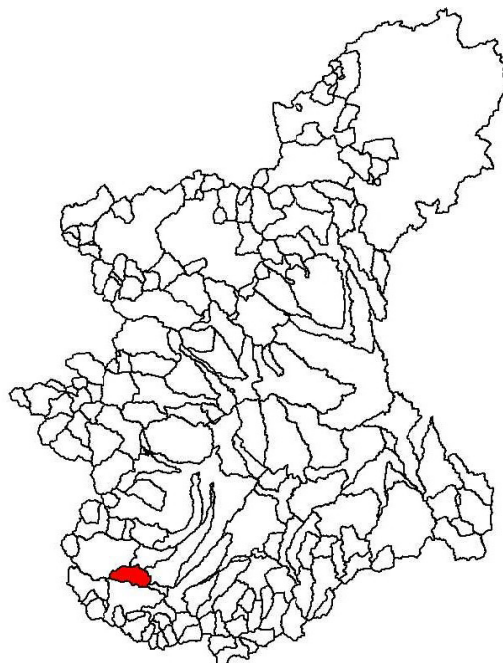
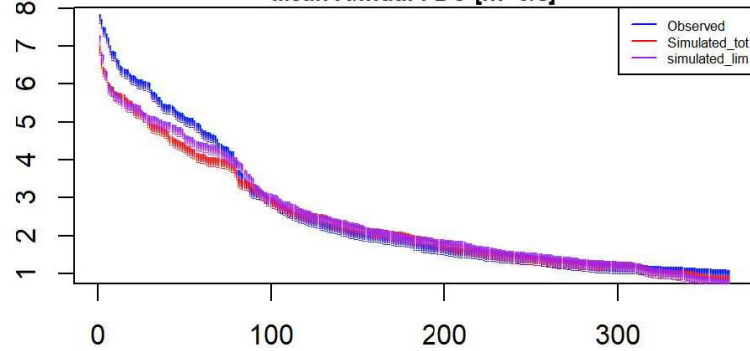
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

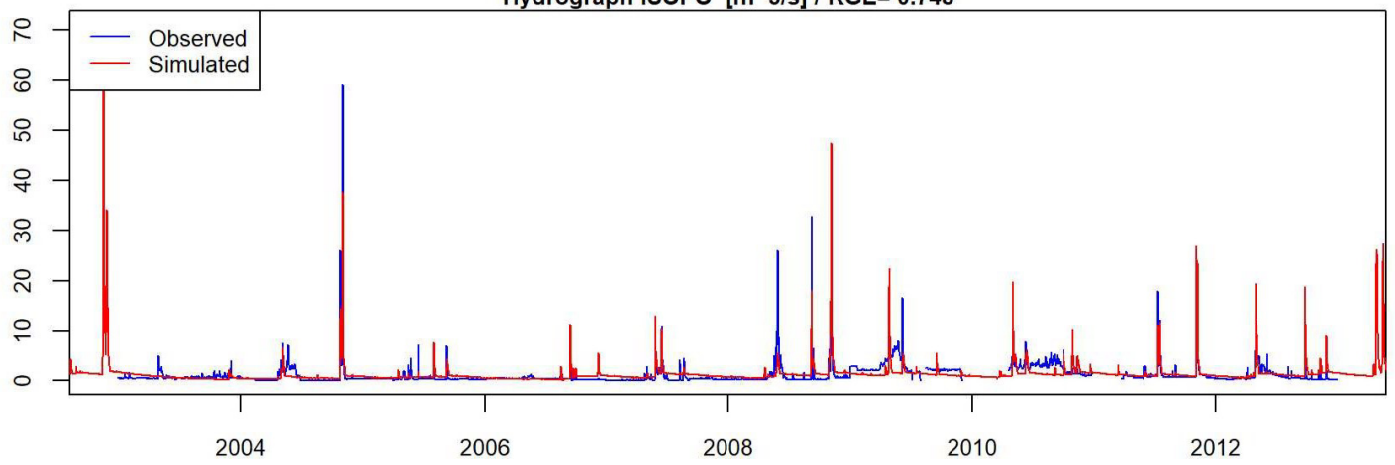


Mean Annual FDC [m<sup>3</sup>/s]

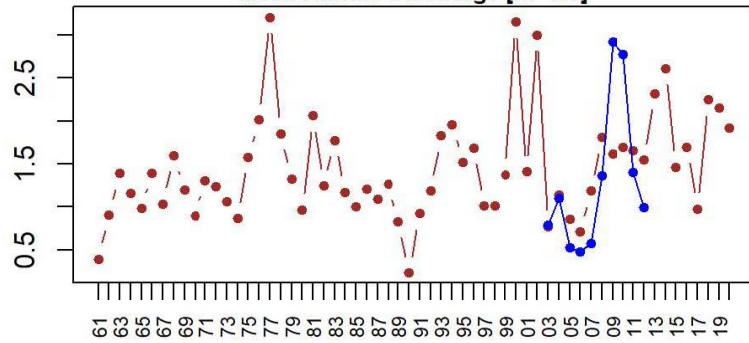




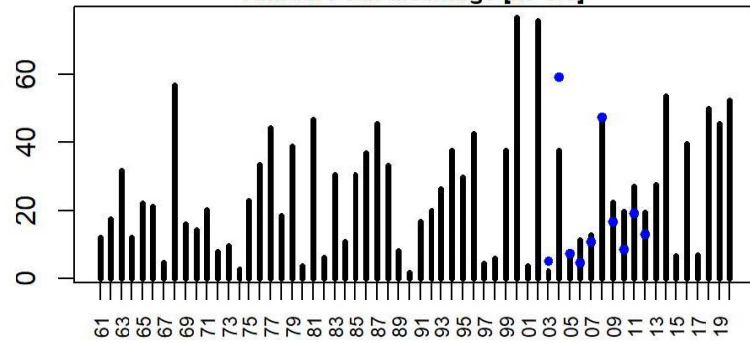
Hydrograph ISOPO [ $\text{m}^3/\text{s}$ ] / KGE= 0.748



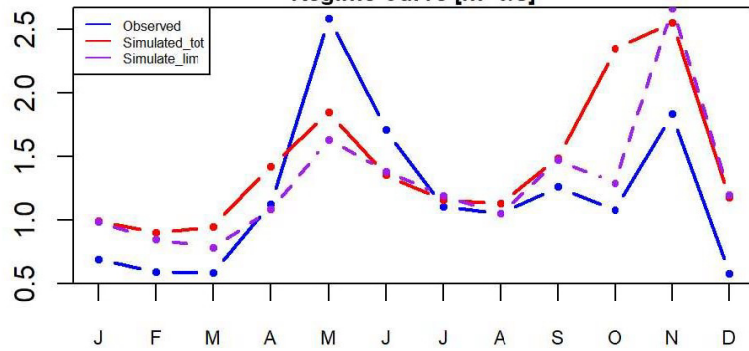
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



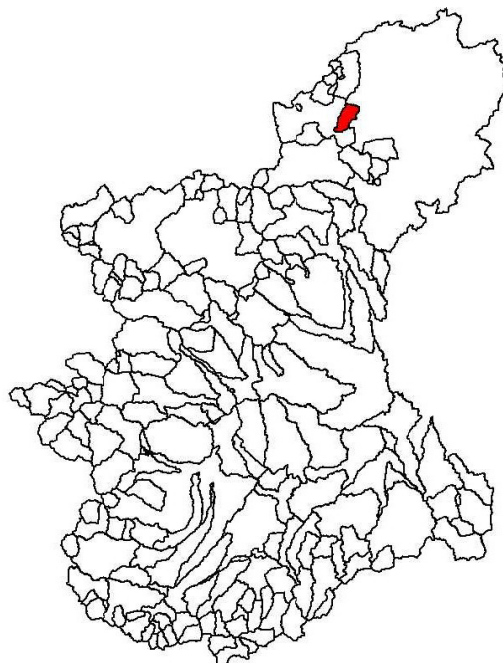
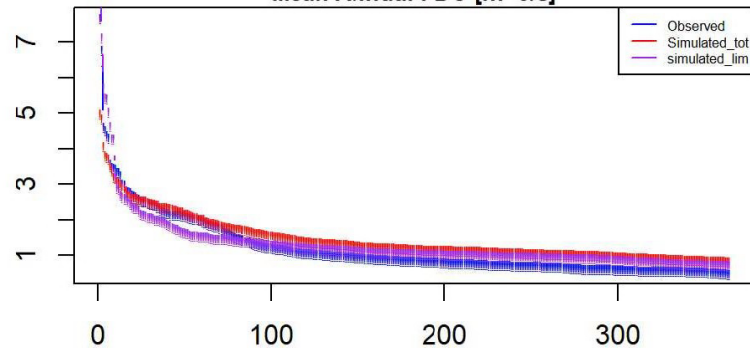
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]

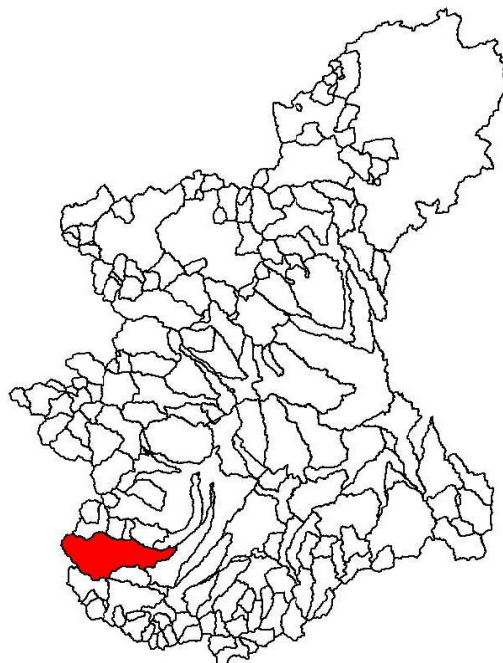
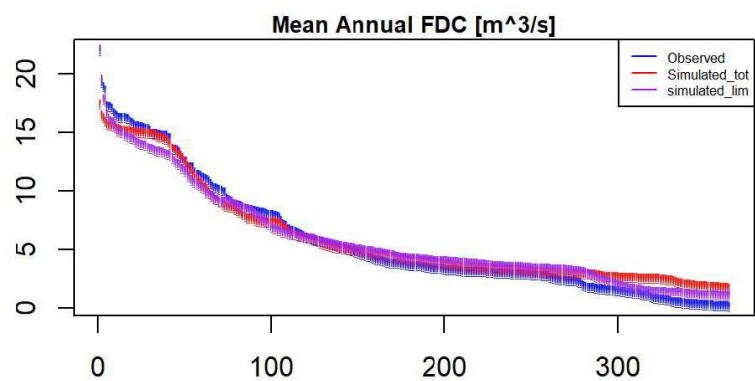
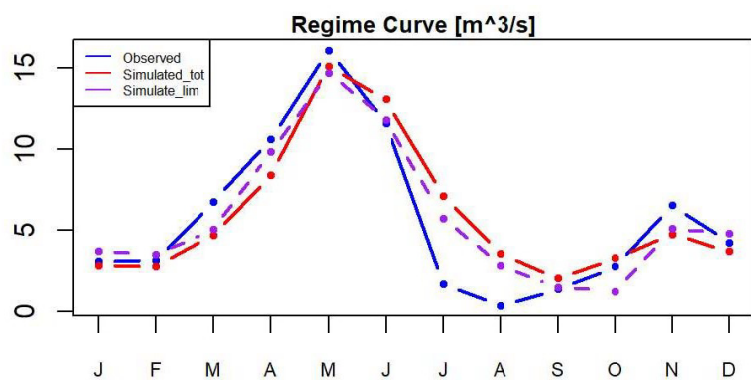
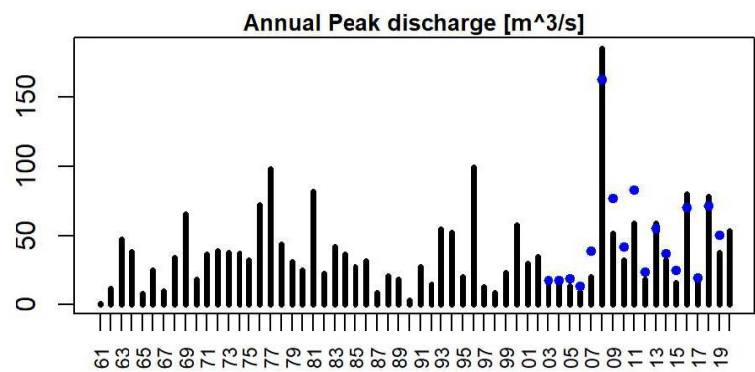
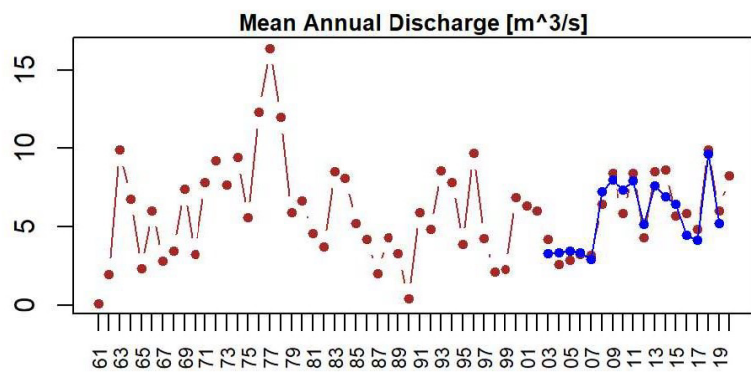
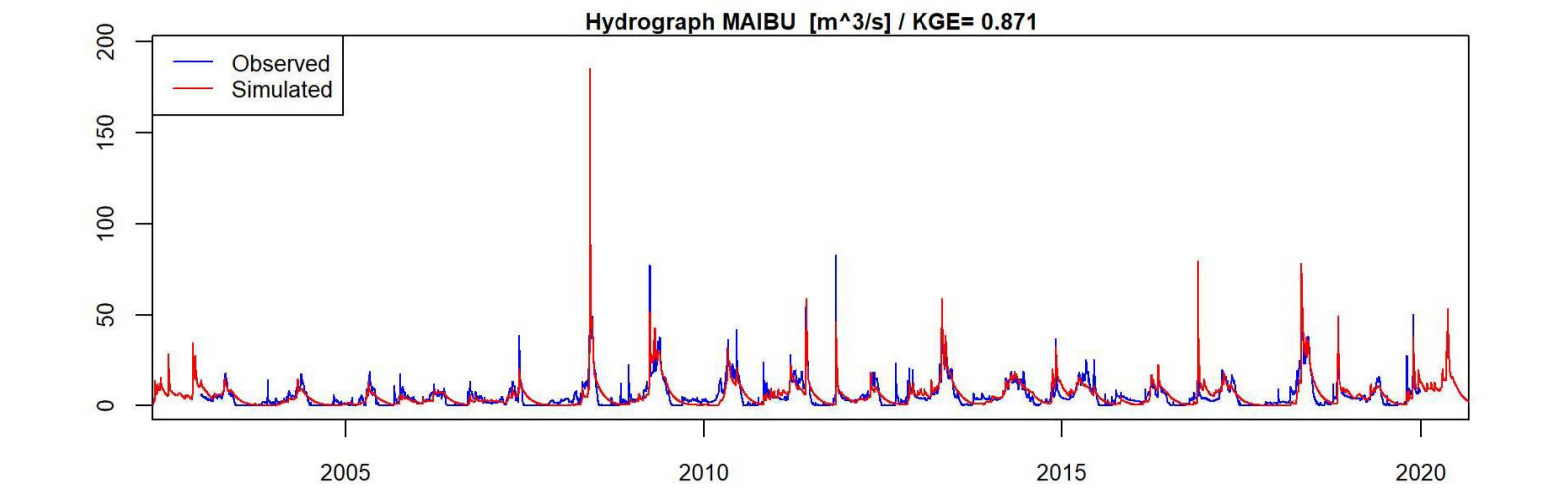


Regime Curve [ $\text{m}^3/\text{s}$ ]

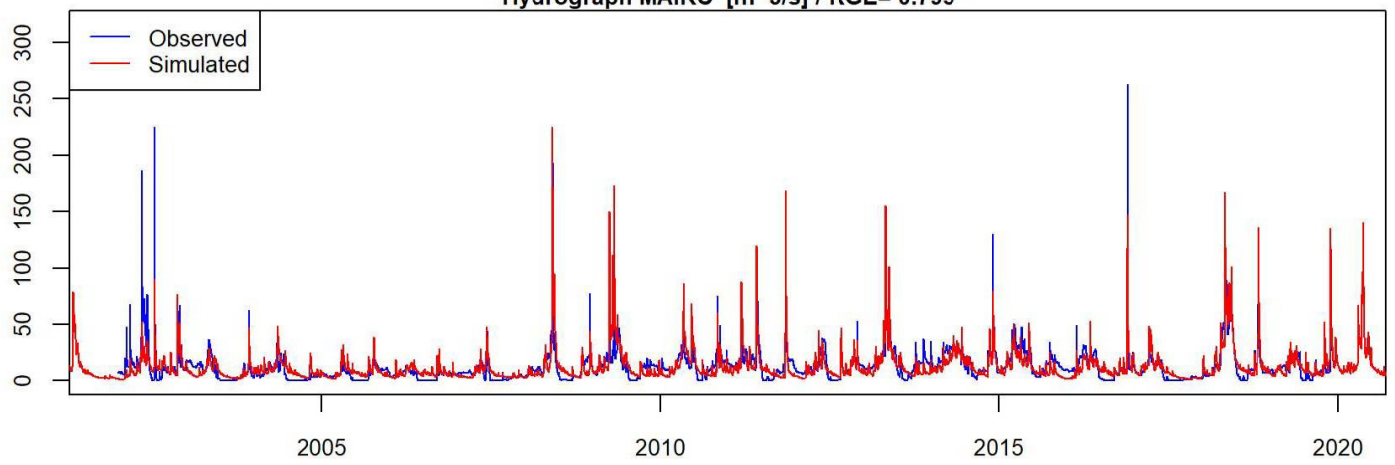


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

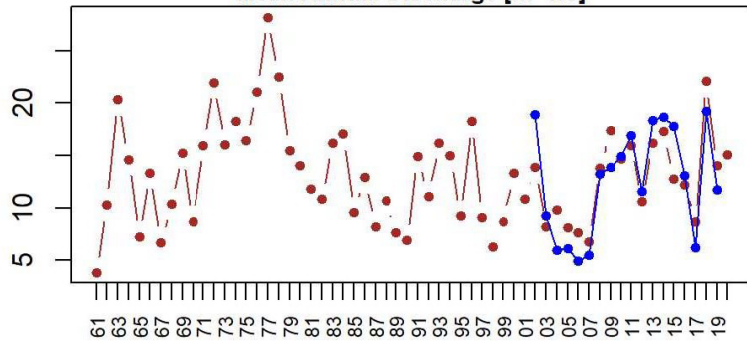




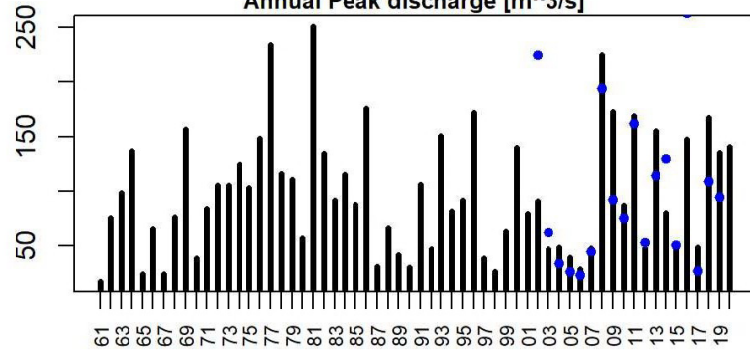
Hydrograph MAIRC [ $\text{m}^3/\text{s}$ ] / KGE= 0.795



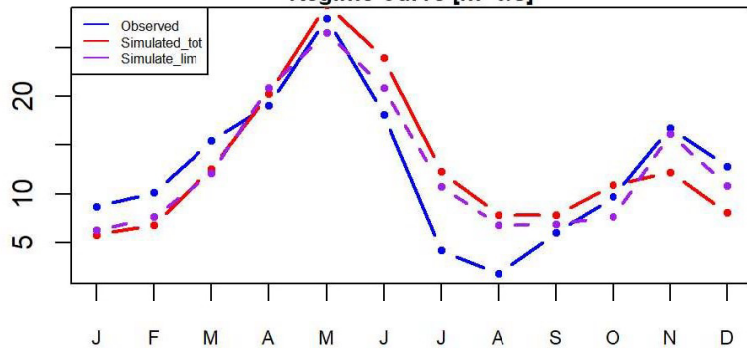
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



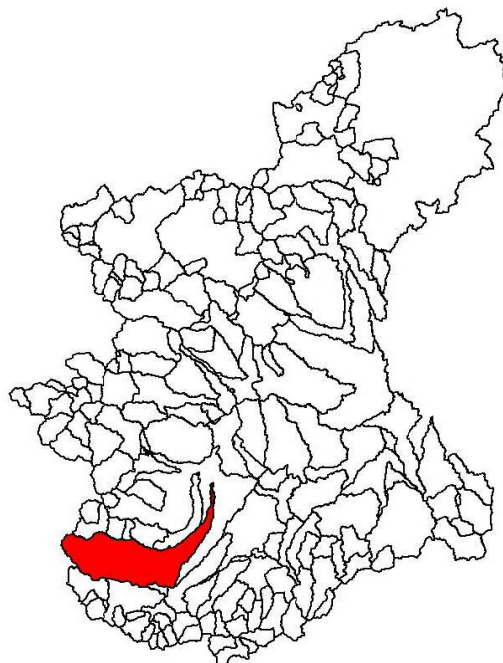
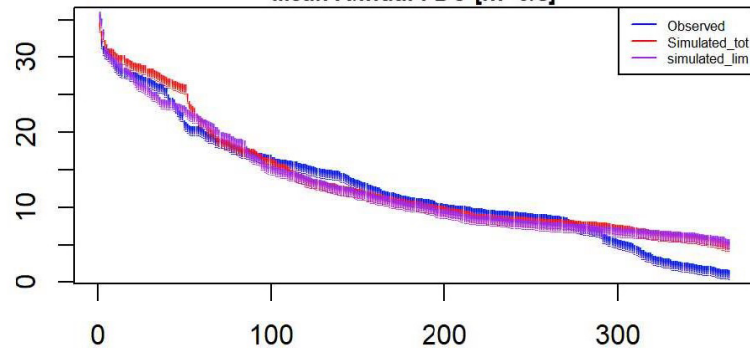
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

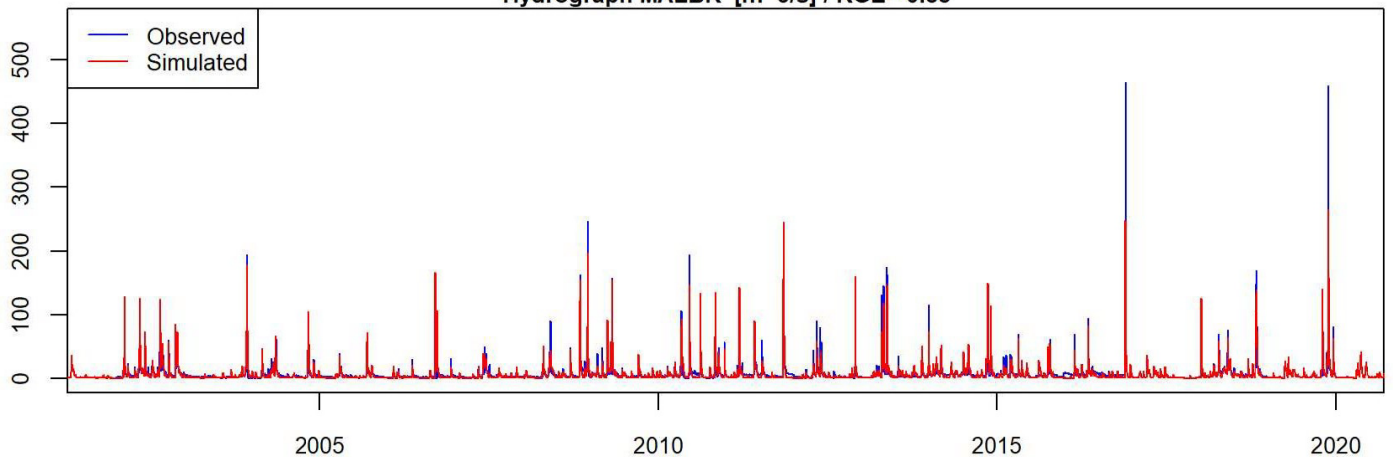


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

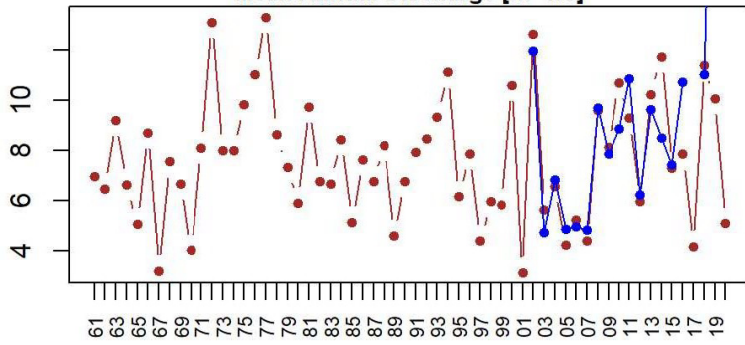




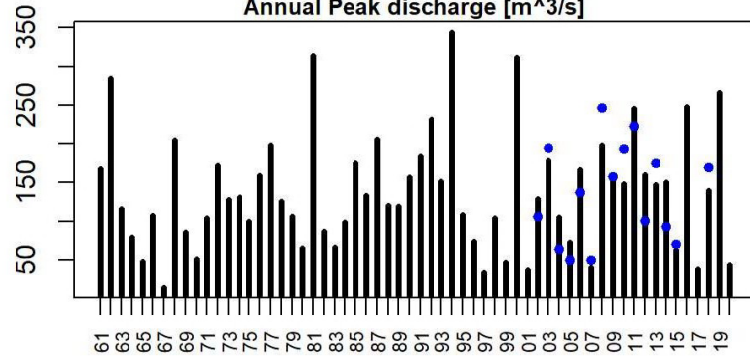
Hydrograph MALBR [m<sup>3</sup>/s] / KGE= 0.88



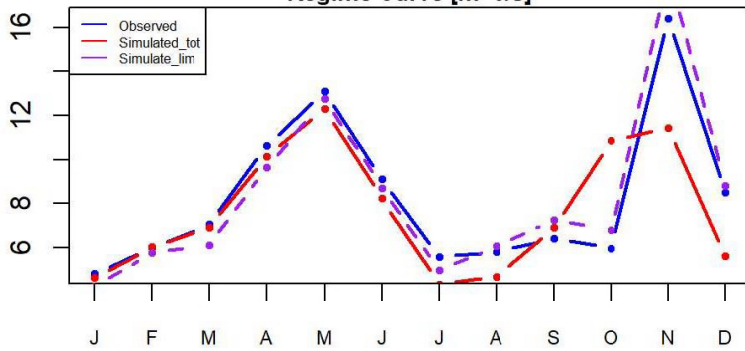
Mean Annual Discharge [m<sup>3</sup>/s]



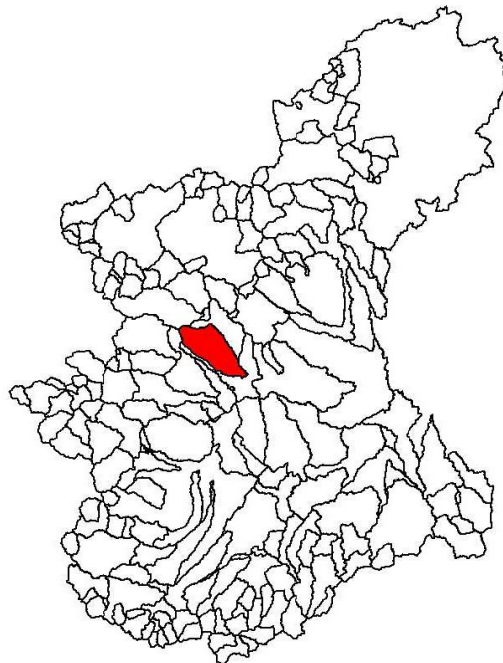
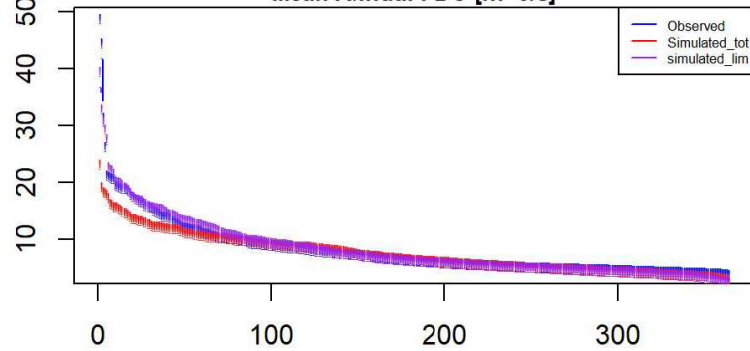
Annual Peak discharge [m<sup>3</sup>/s]



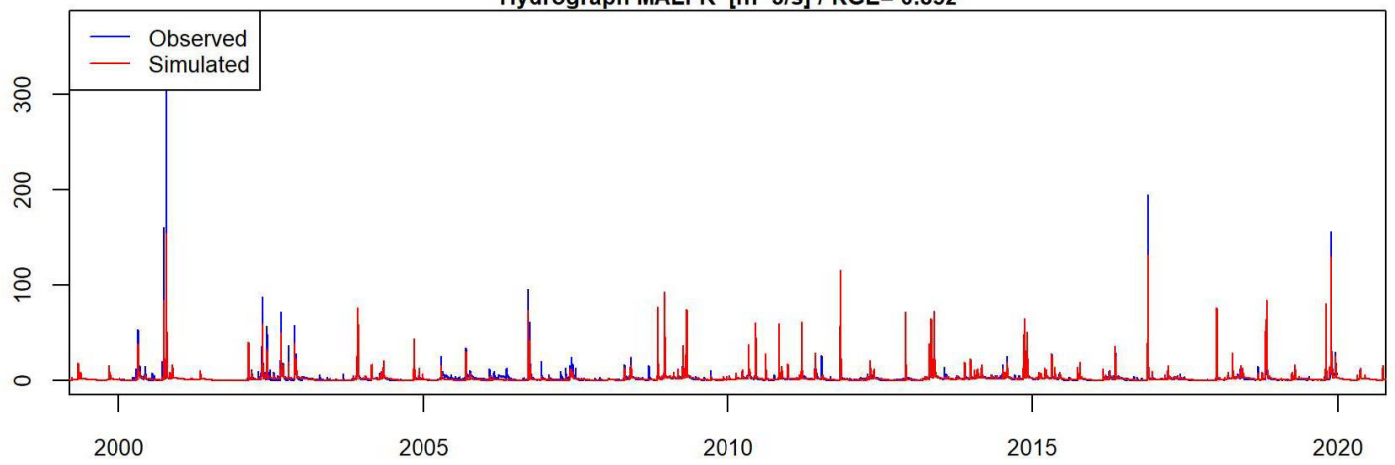
Regime Curve [m<sup>3</sup>/s]



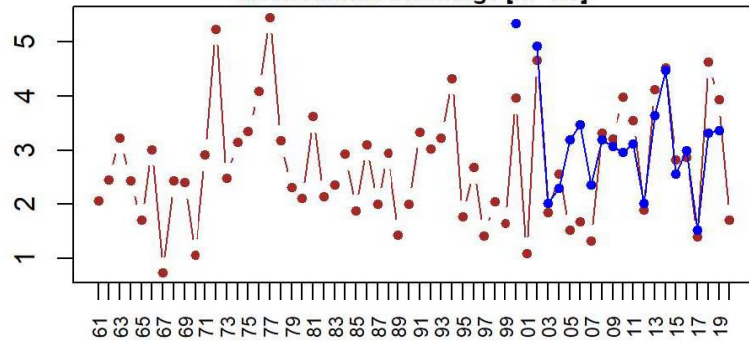
Mean Annual FDC [m<sup>3</sup>/s]



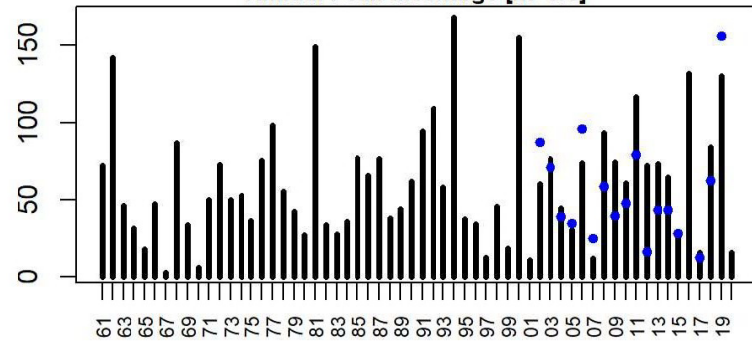
Hydrograph MALFR [m<sup>3</sup>/s] / KGE= 0.852



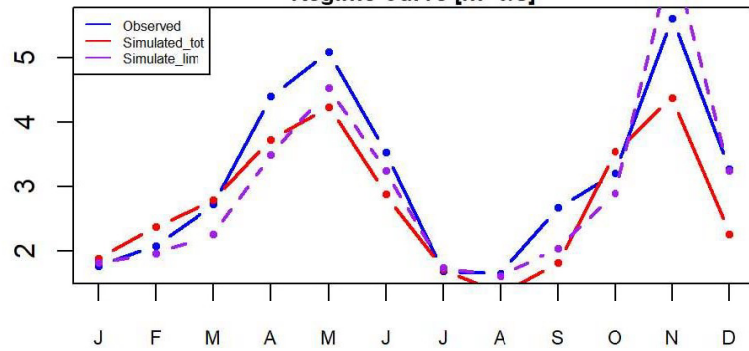
Mean Annual Discharge [m<sup>3</sup>/s]



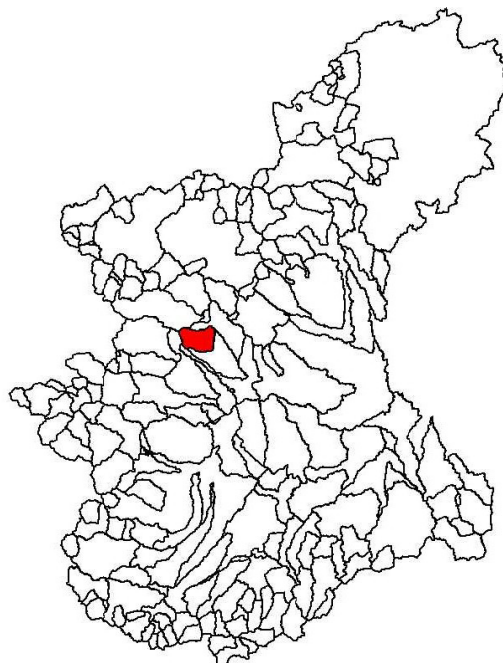
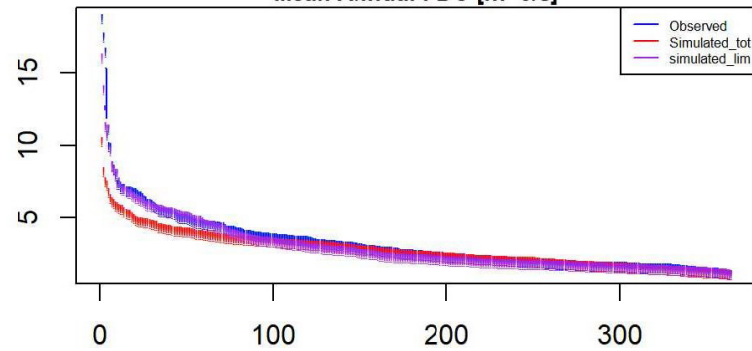
Annual Peak discharge [m<sup>3</sup>/s]

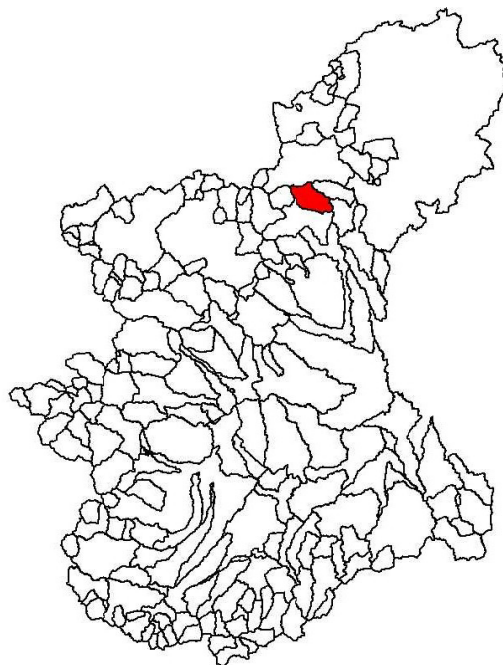
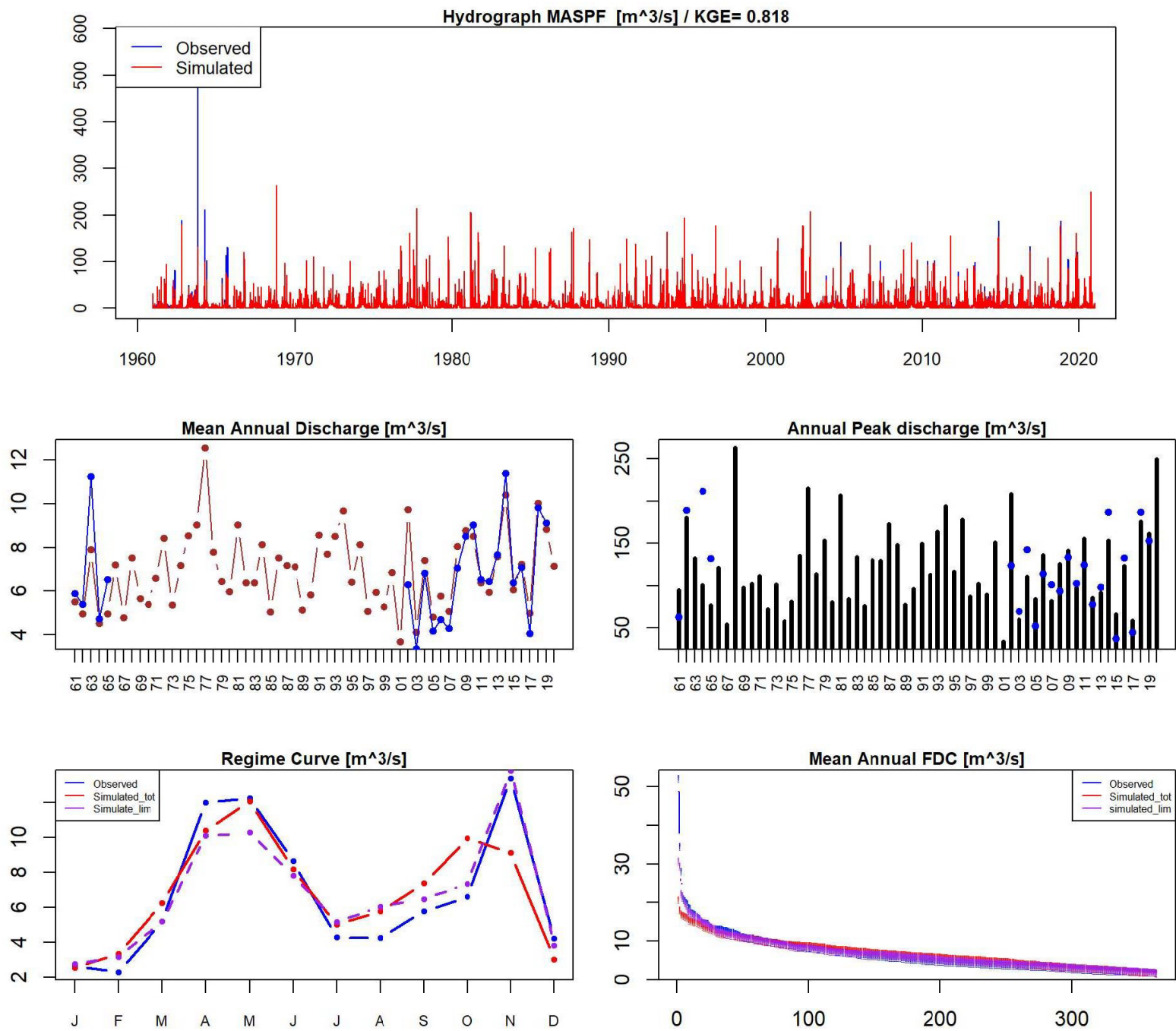


Regime Curve [m<sup>3</sup>/s]



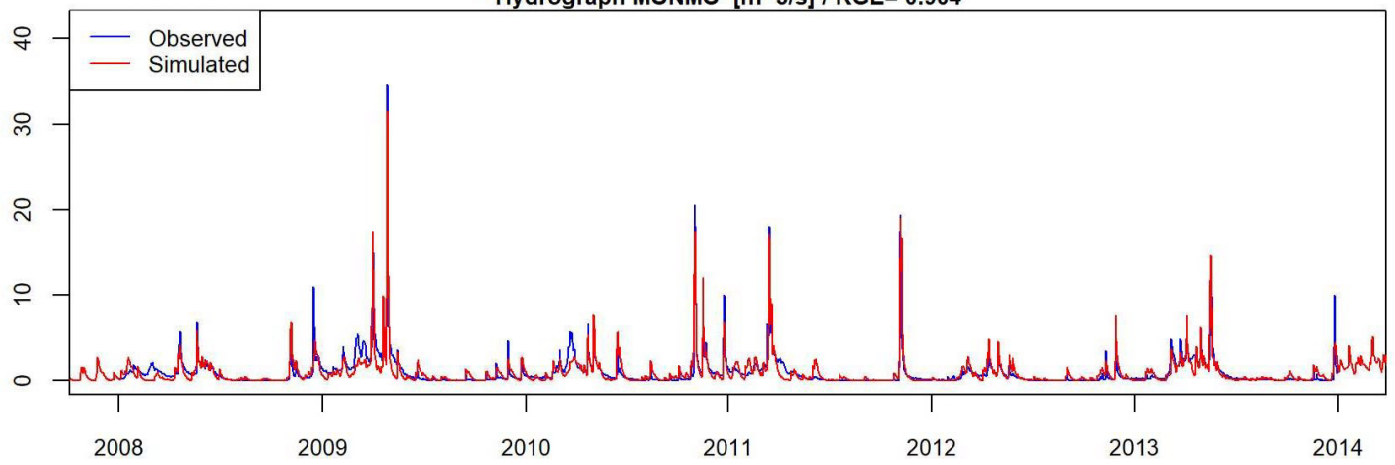
Mean Annual FDC [m<sup>3</sup>/s]



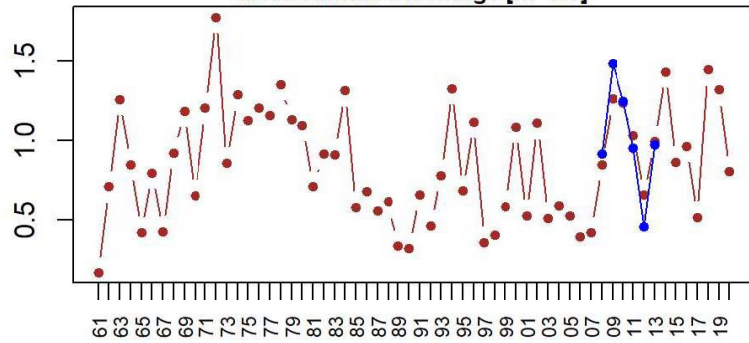




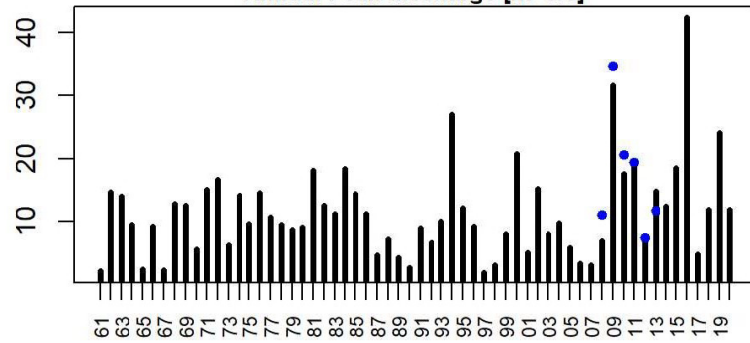
Hydrograph MONMO [m<sup>3</sup>/s] / KGE= 0.904



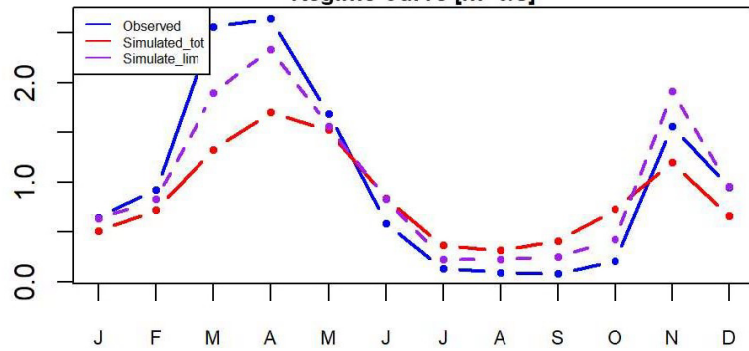
Mean Annual Discharge [m<sup>3</sup>/s]



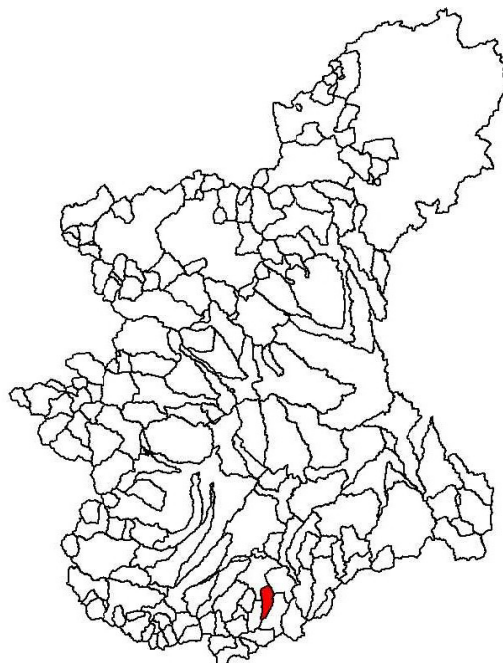
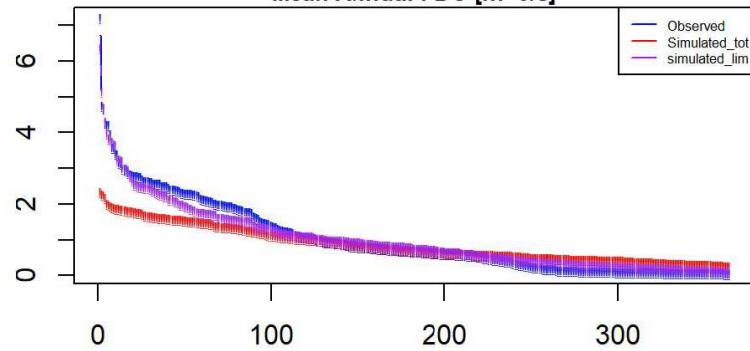
Annual Peak discharge [m<sup>3</sup>/s]



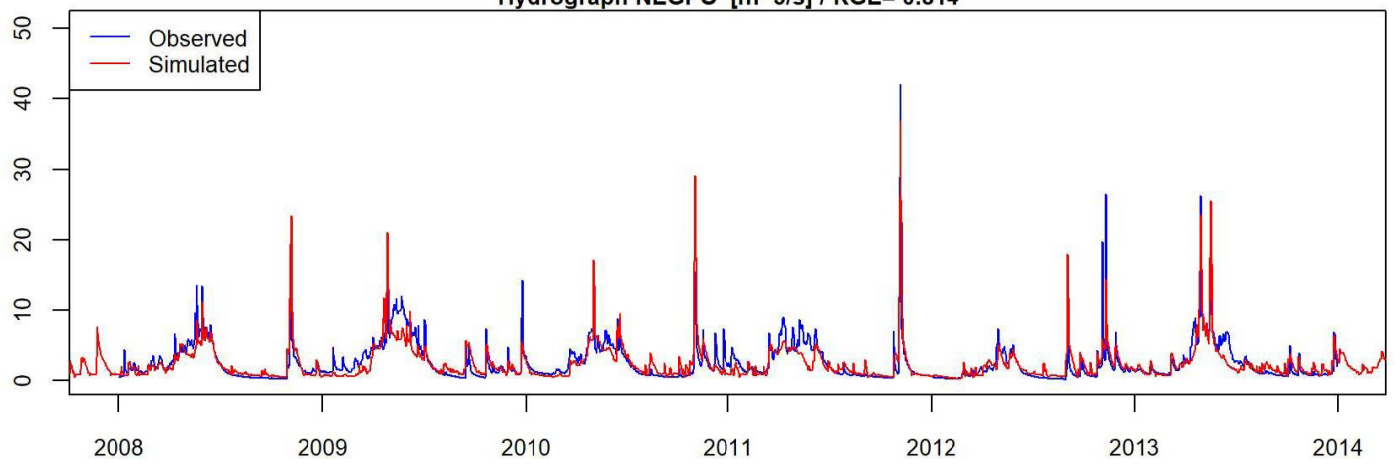
Regime Curve [m<sup>3</sup>/s]



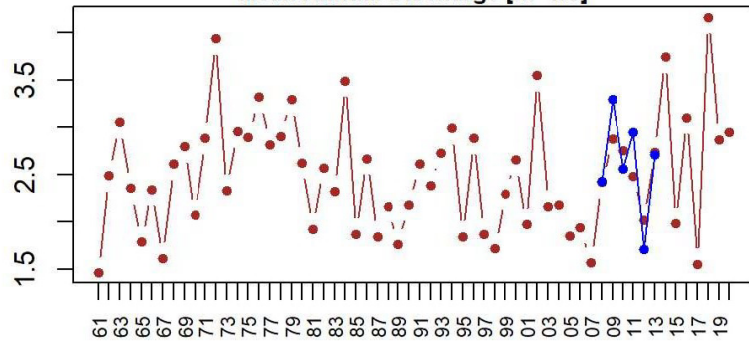
Mean Annual FDC [m<sup>3</sup>/s]



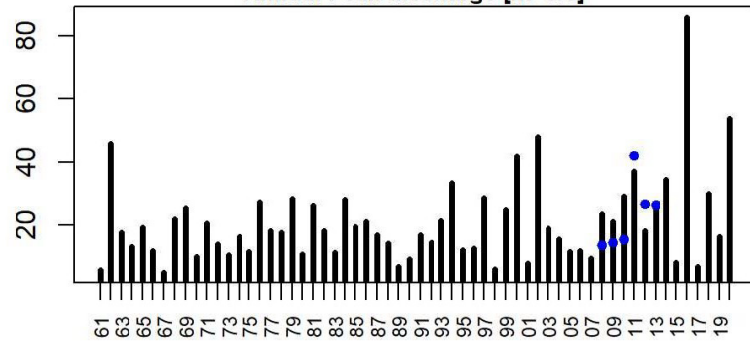
Hydrograph NEGPO [m<sup>3</sup>/s] / KGE= 0.814



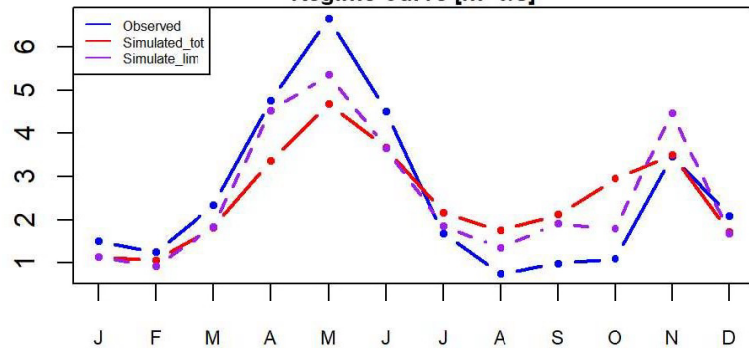
Mean Annual Discharge [m<sup>3</sup>/s]



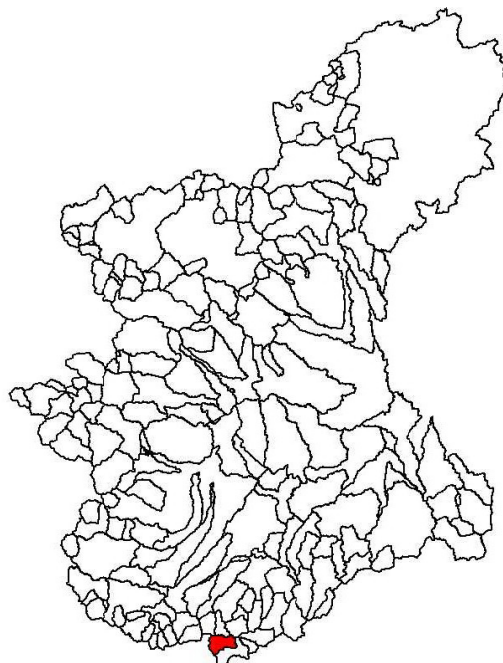
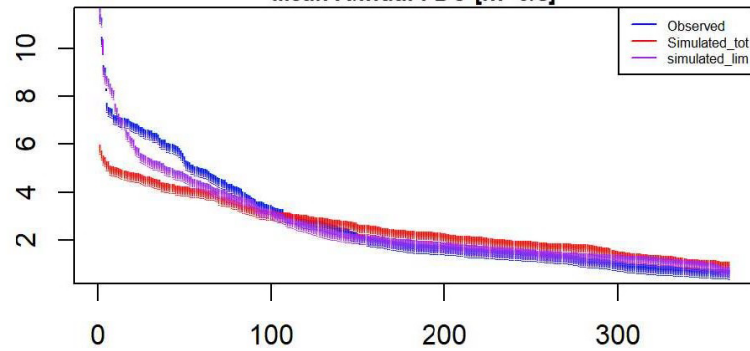
Annual Peak discharge [m<sup>3</sup>/s]



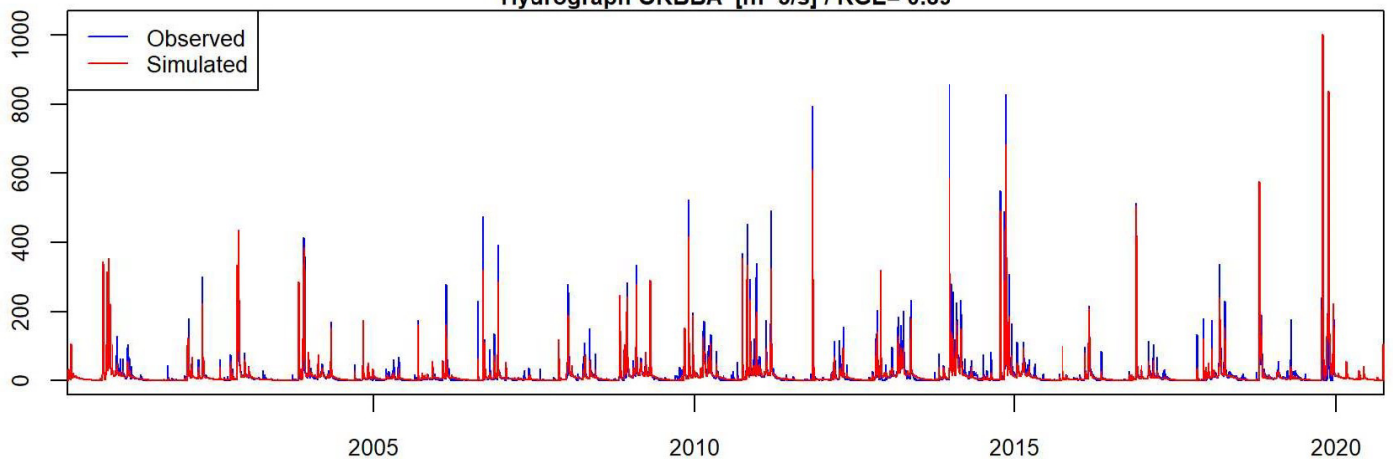
Regime Curve [m<sup>3</sup>/s]



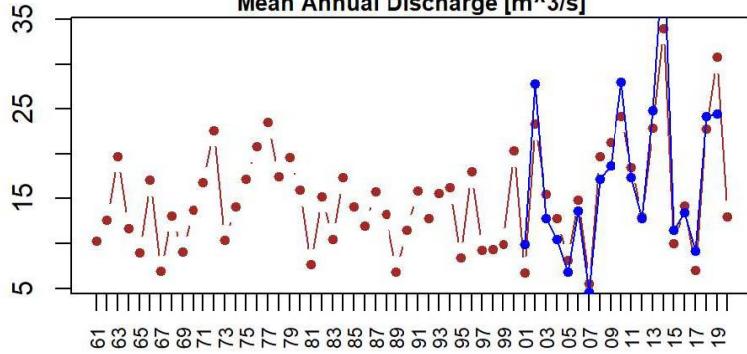
Mean Annual FDC [m<sup>3</sup>/s]



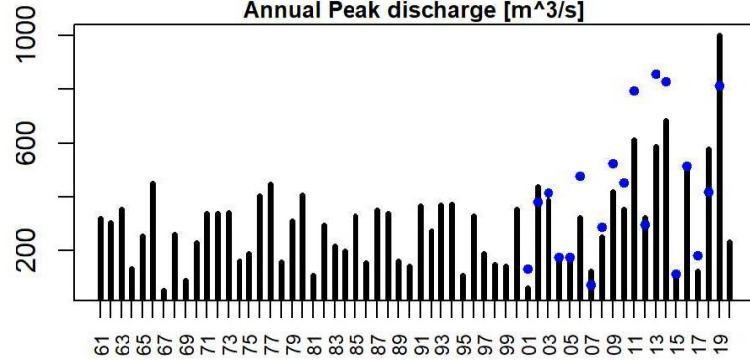
Hydrograph ORBBA [ $\text{m}^3/\text{s}$ ] / KGE= 0.89



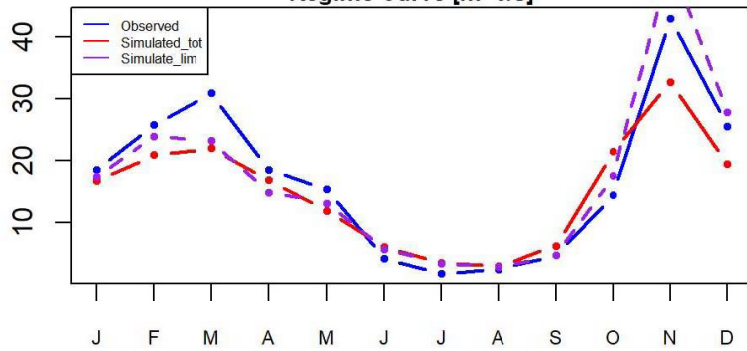
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



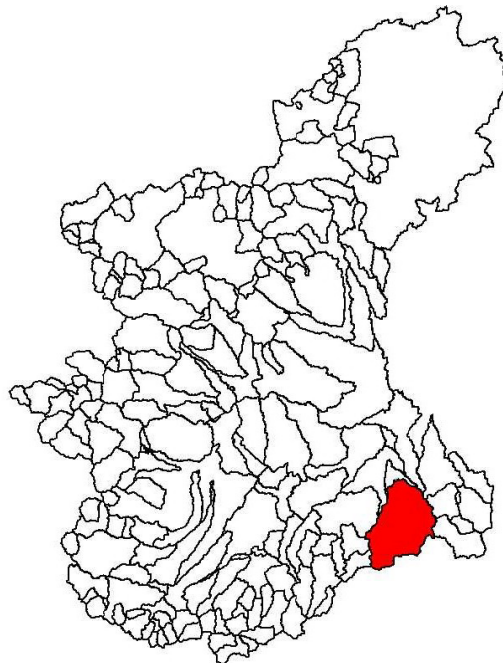
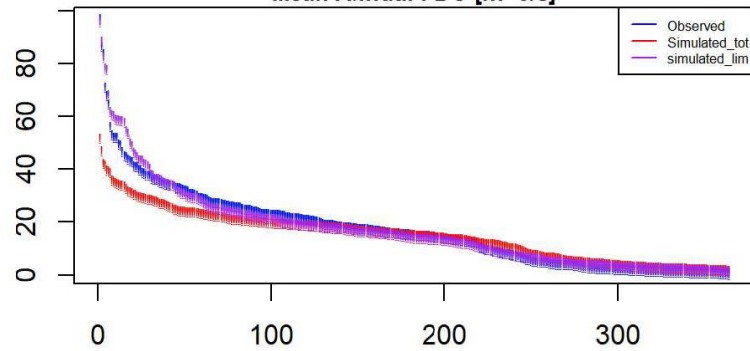
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



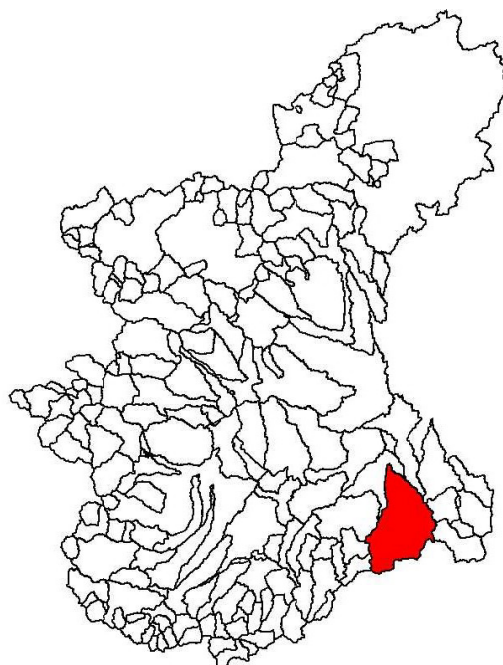
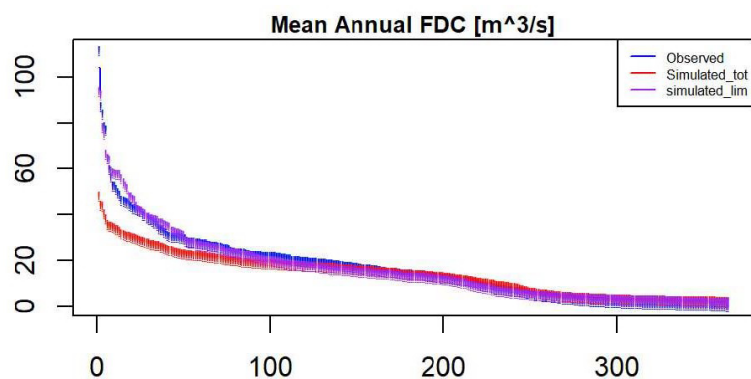
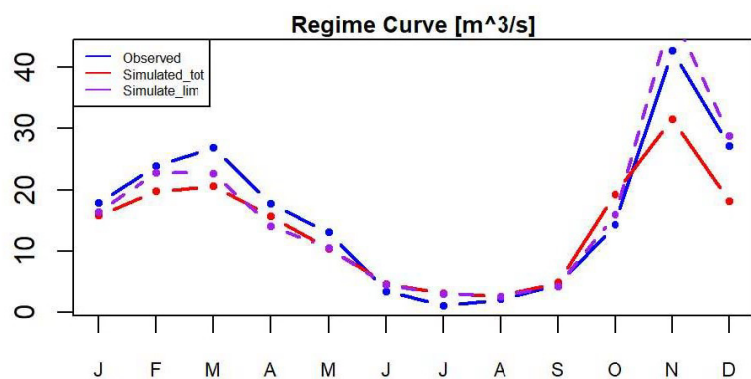
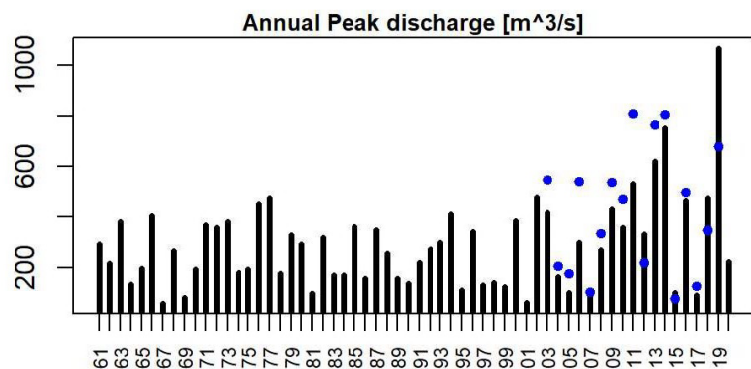
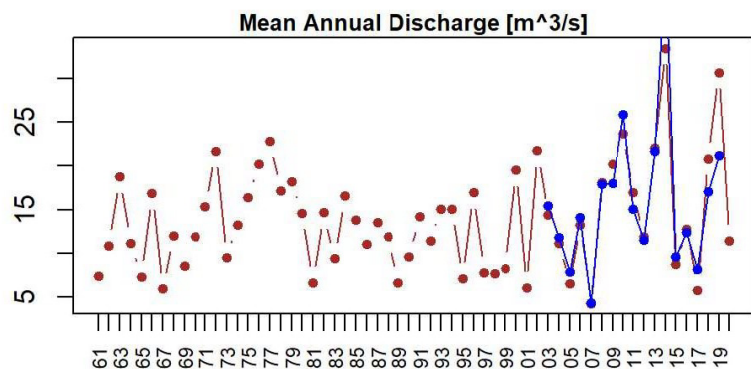
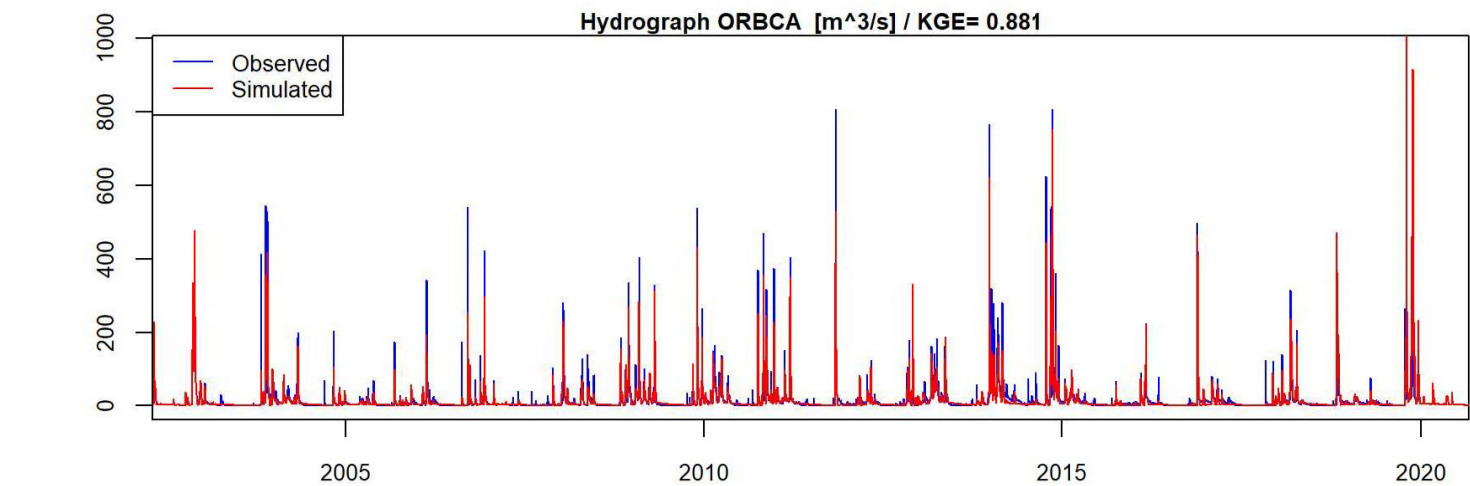
Regime Curve [ $\text{m}^3/\text{s}$ ]



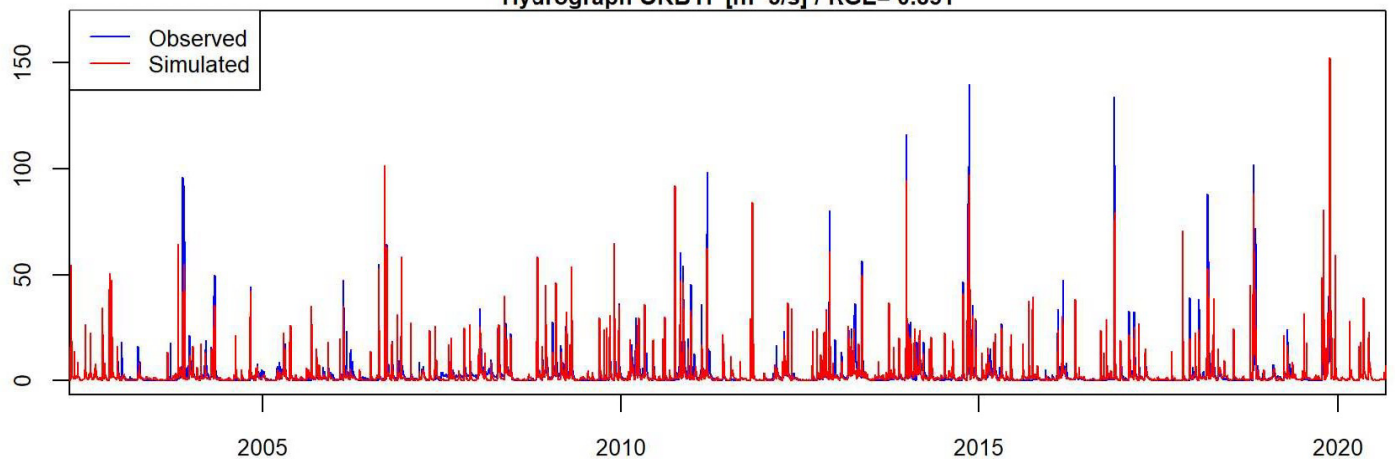
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



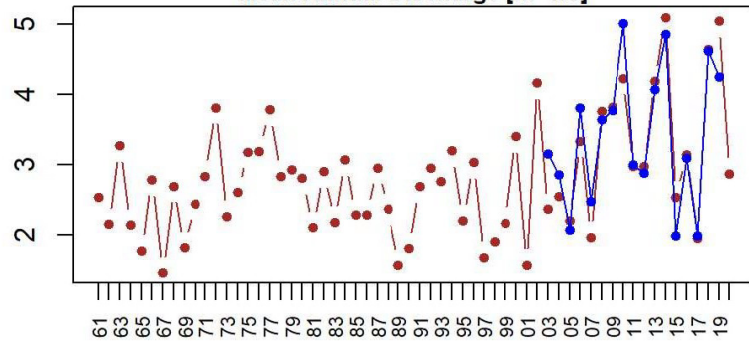




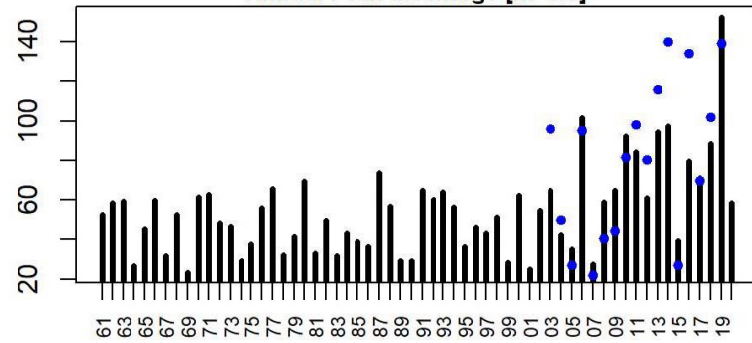
Hydrograph ORBTI [ $\text{m}^3/\text{s}$ ] / KGE= 0.851



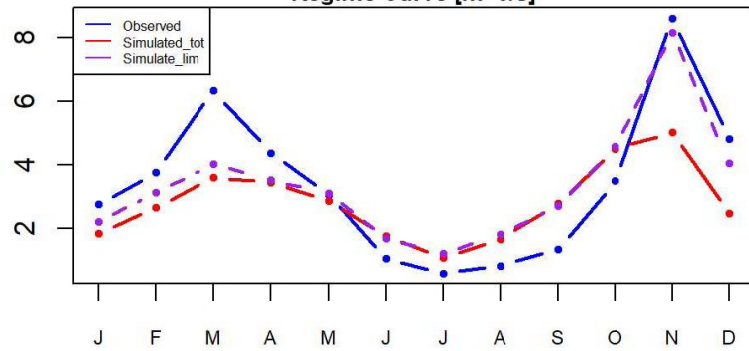
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



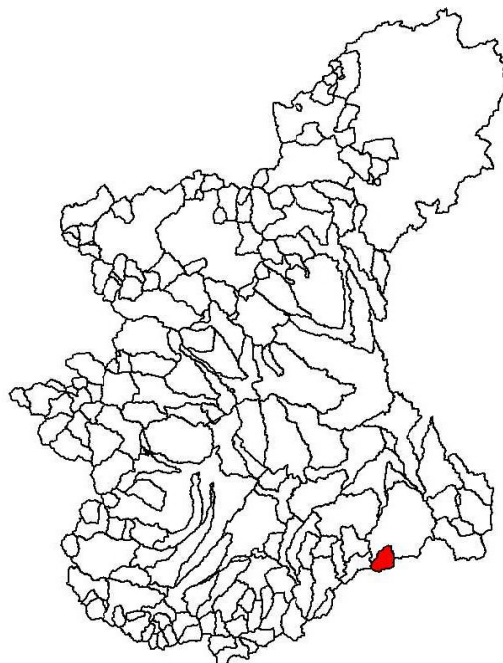
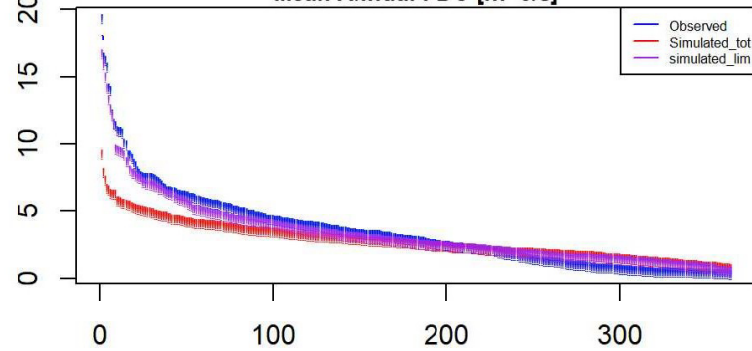
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



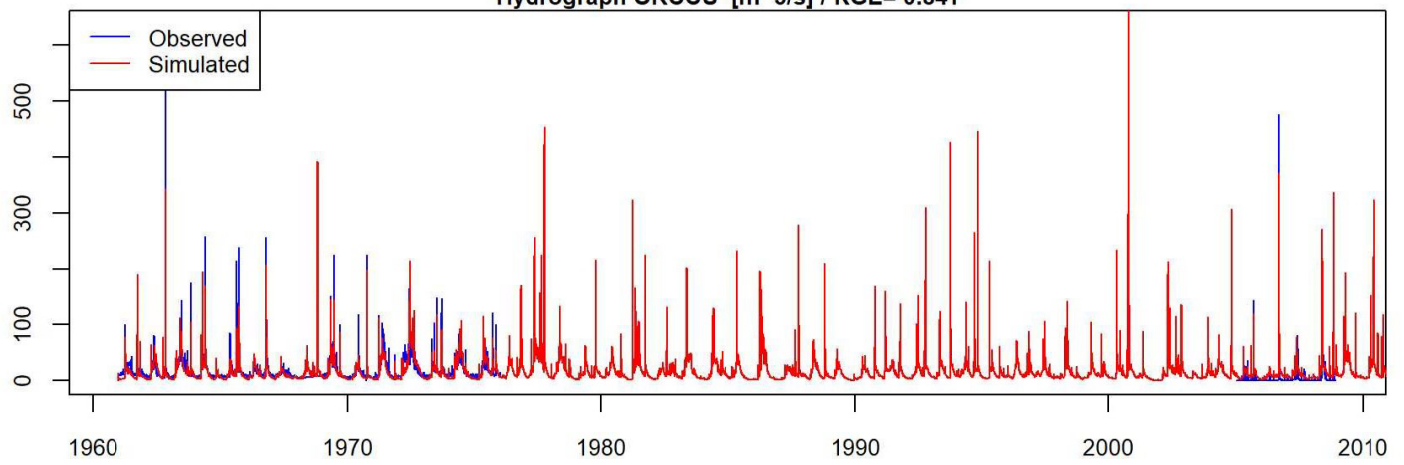
Regime Curve [ $\text{m}^3/\text{s}$ ]



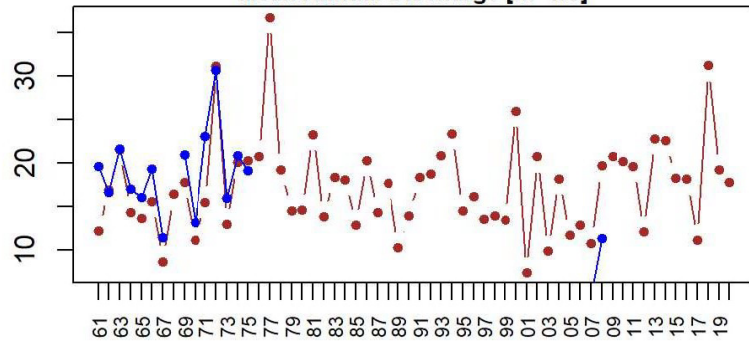
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



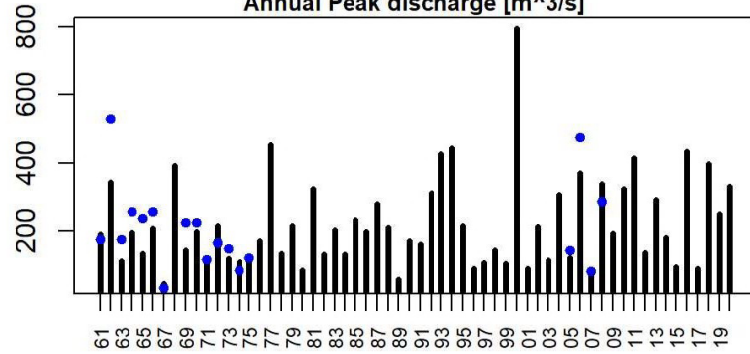
Hydrograph ORCCU [m<sup>3</sup>/s] / KGE= 0.841



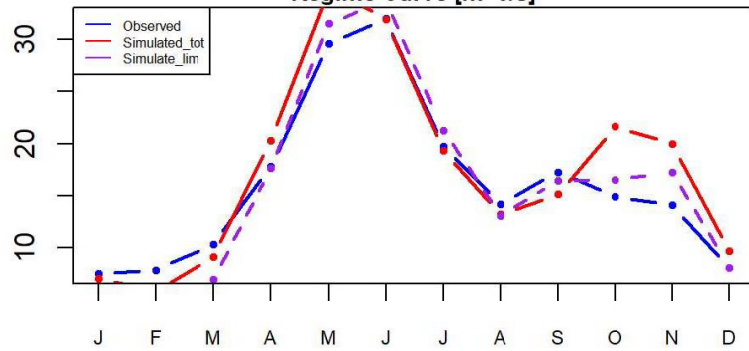
Mean Annual Discharge [m<sup>3</sup>/s]



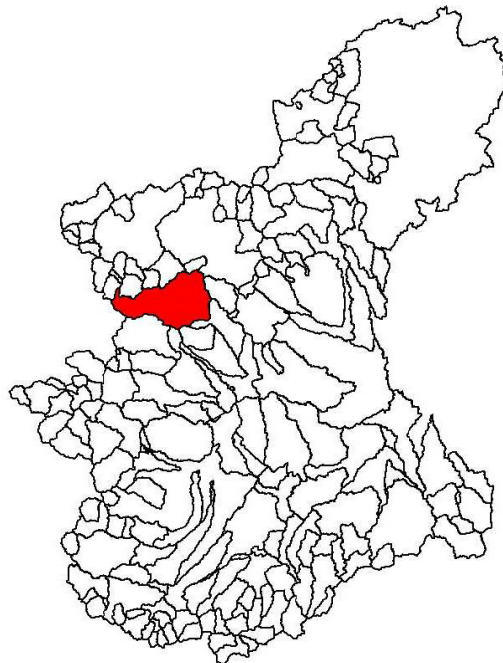
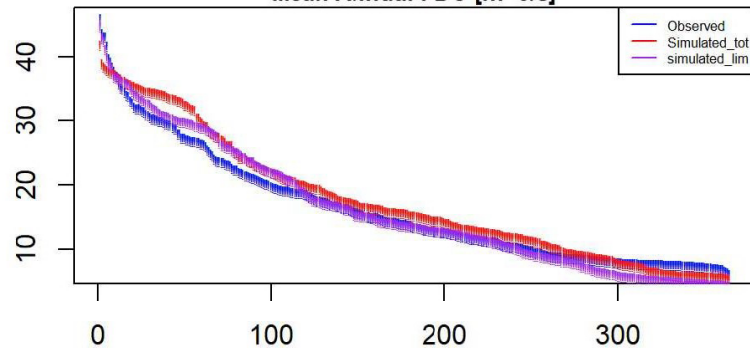
Annual Peak discharge [m<sup>3</sup>/s]



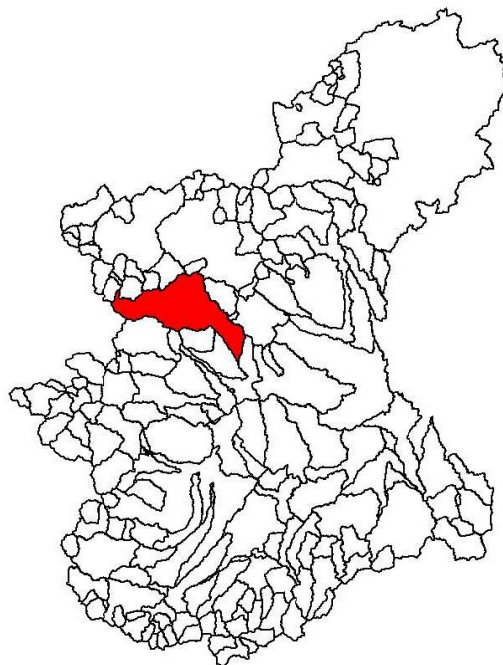
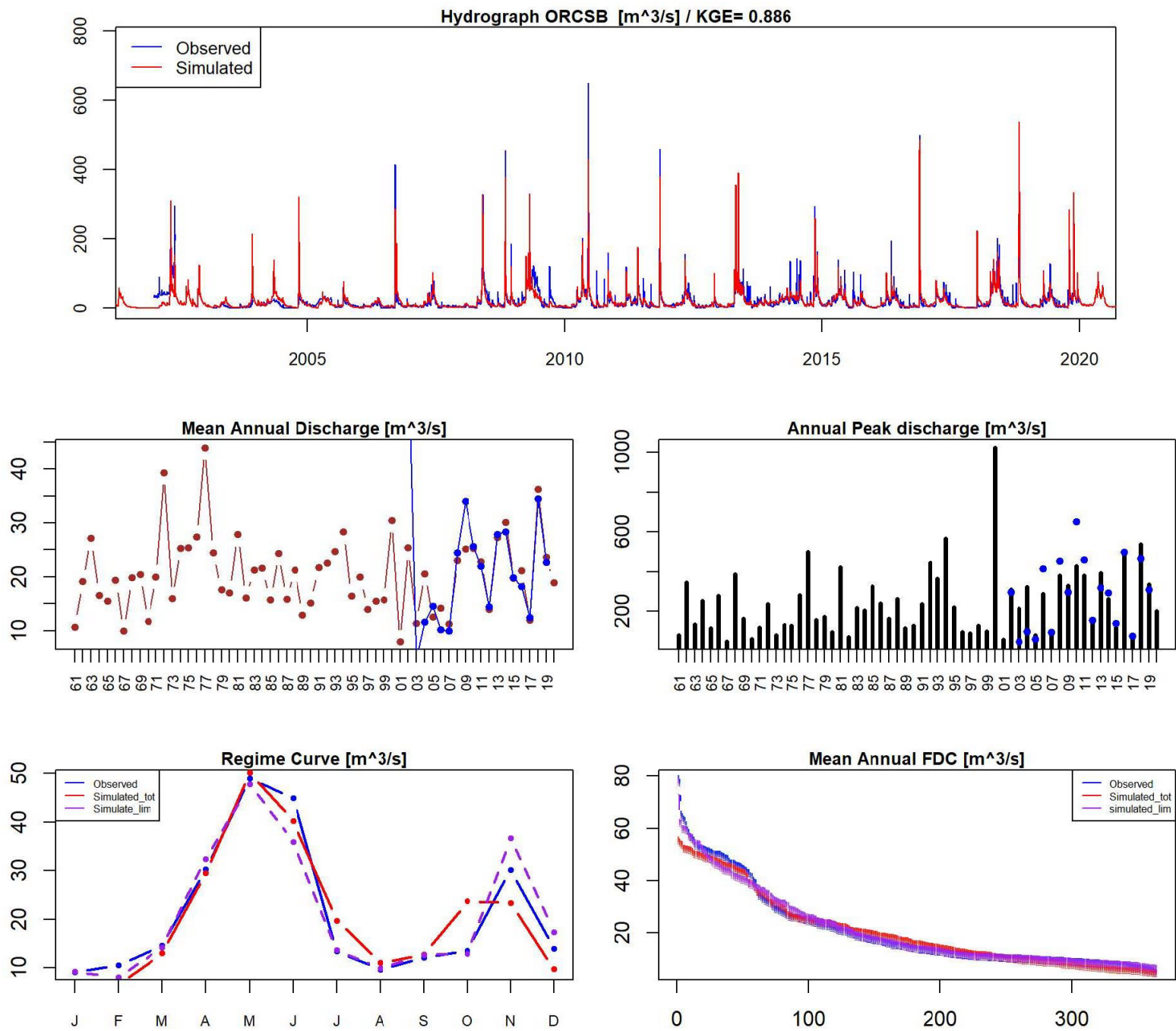
Regime Curve [m<sup>3</sup>/s]



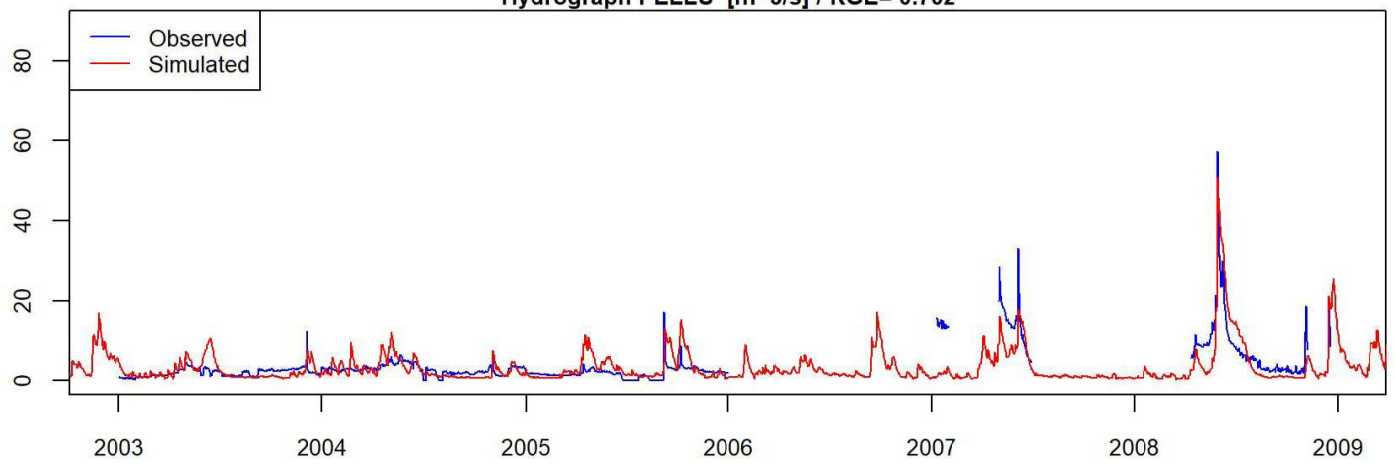
Mean Annual FDC [m<sup>3</sup>/s]



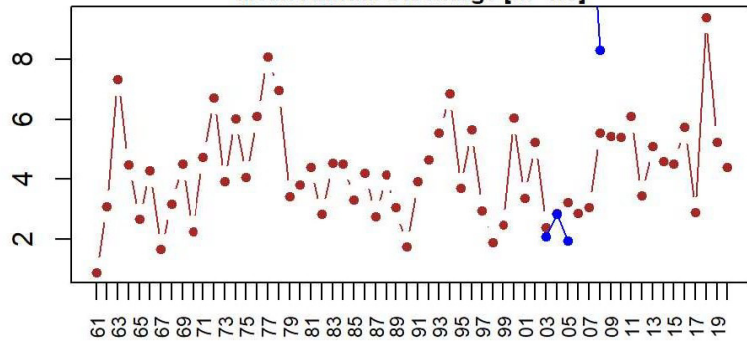




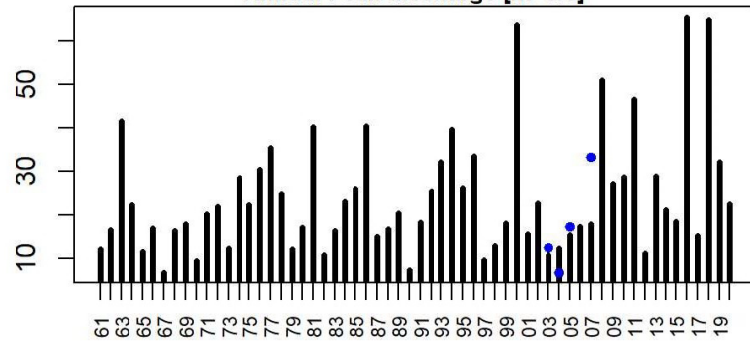
Hydrograph PELLU [m<sup>3</sup>/s] / KGE= 0.702



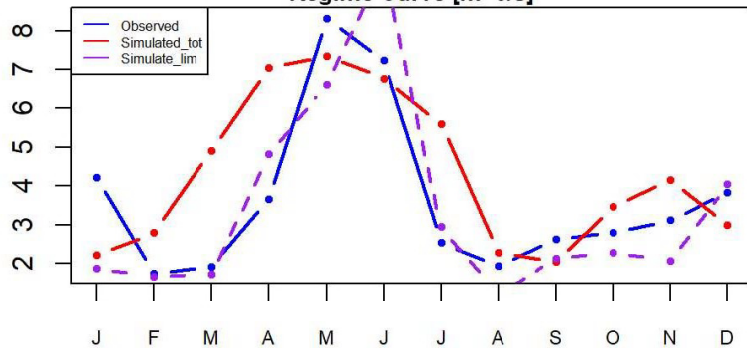
Mean Annual Discharge [m<sup>3</sup>/s]



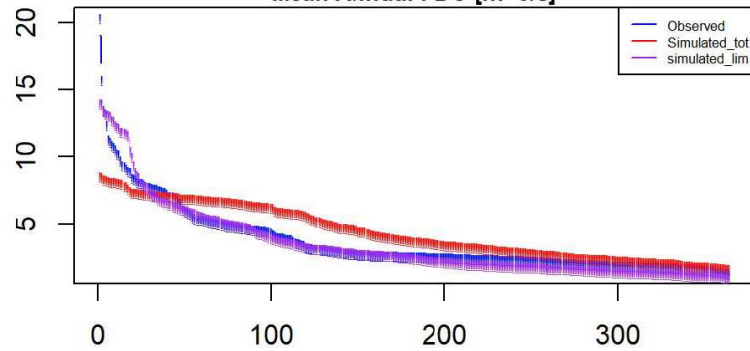
Annual Peak discharge [m<sup>3</sup>/s]



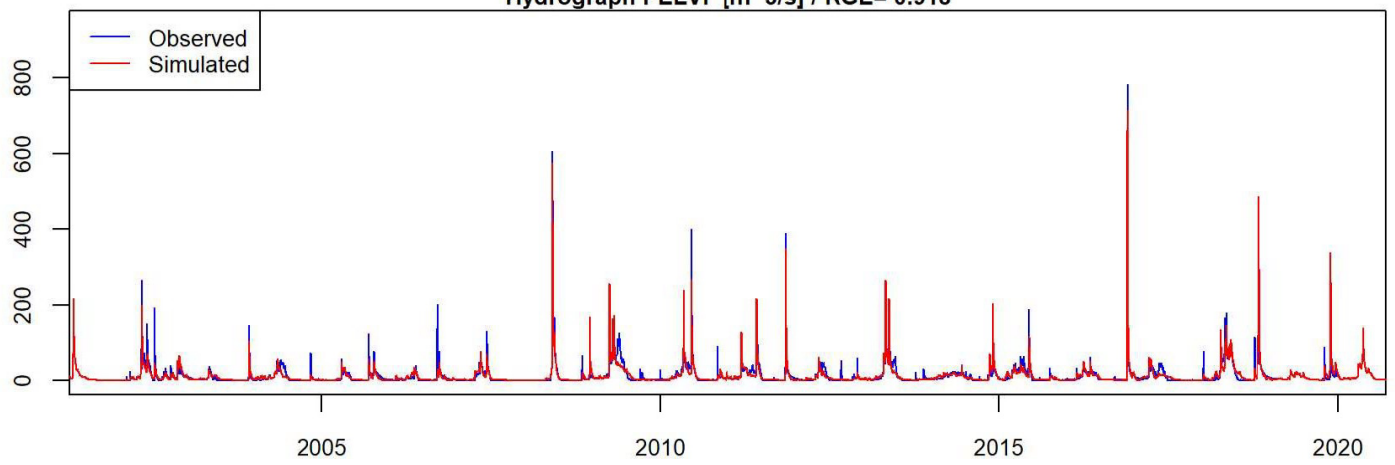
Regime Curve [m<sup>3</sup>/s]



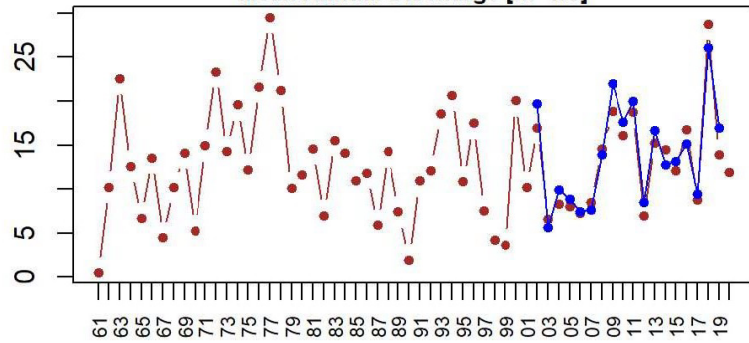
Mean Annual FDC [m<sup>3</sup>/s]



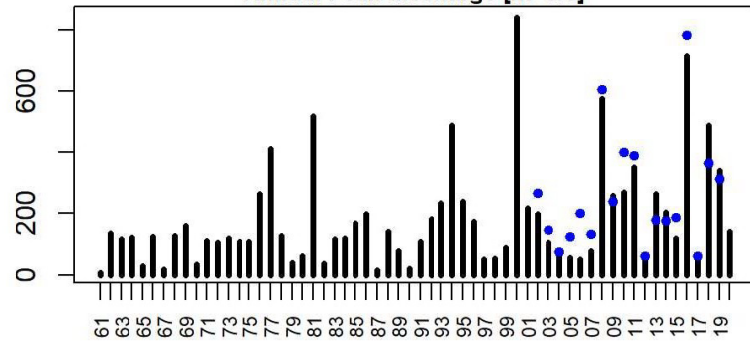
Hydrograph PELVI [m<sup>3</sup>/s] / KGE= 0.918



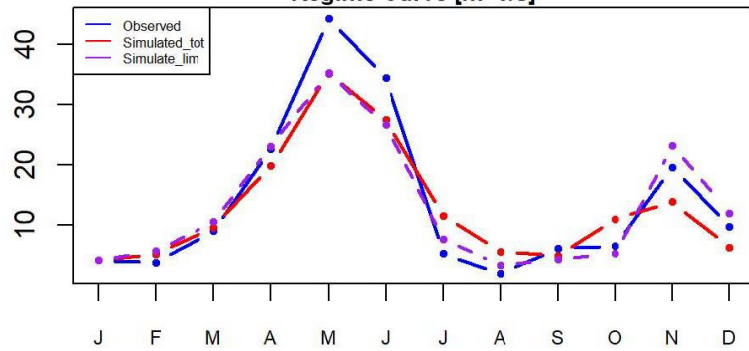
Mean Annual Discharge [m<sup>3</sup>/s]



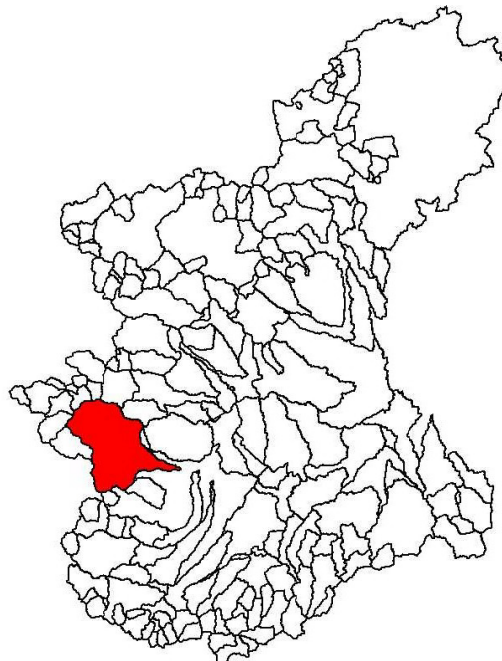
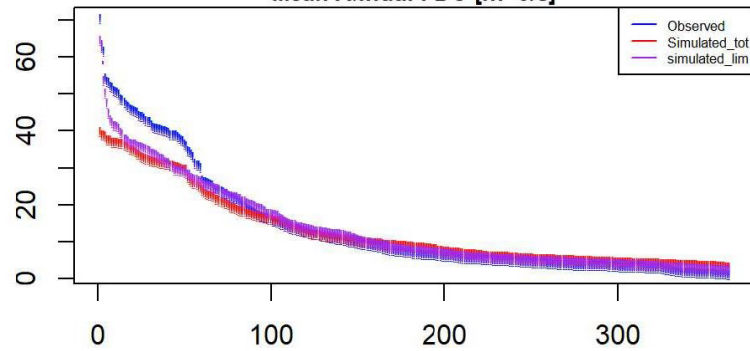
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

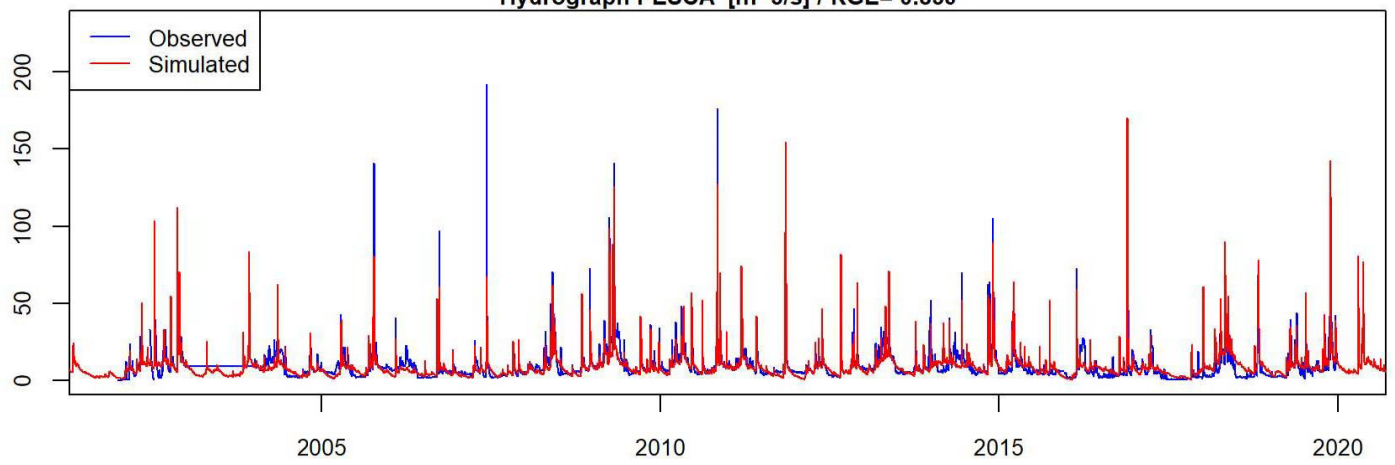


Mean Annual FDC [m<sup>3</sup>/s]

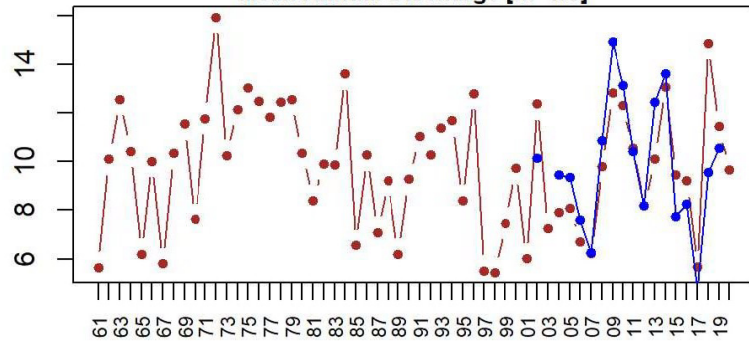




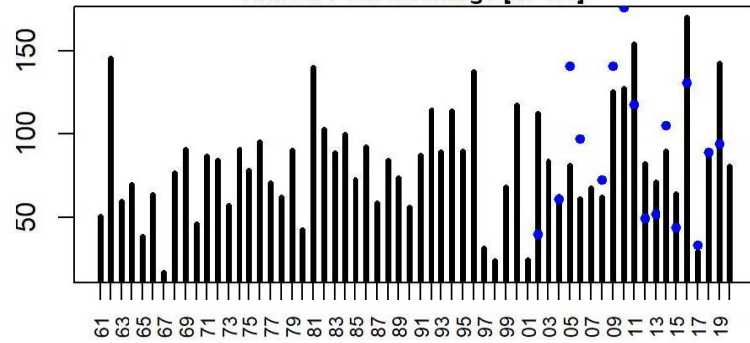
Hydrograph PESCA [m<sup>3</sup>/s] / KGE= 0.838



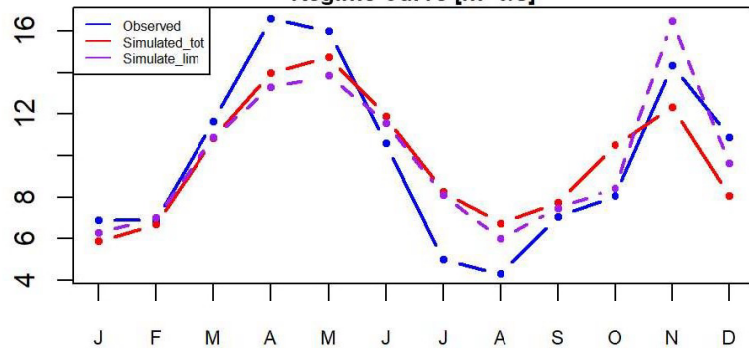
Mean Annual Discharge [m<sup>3</sup>/s]



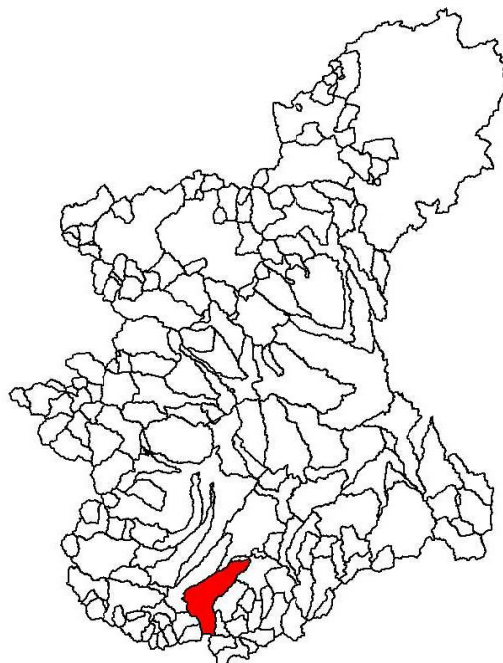
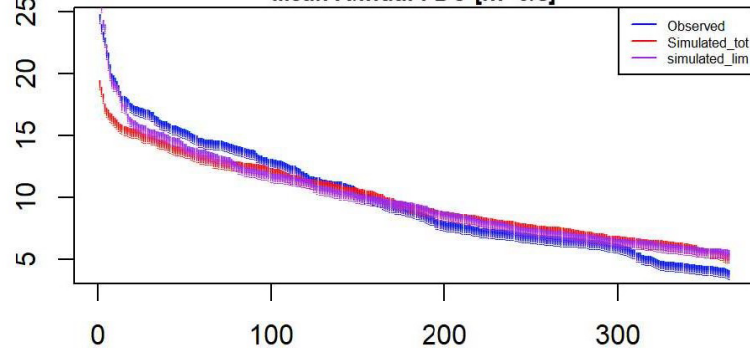
Annual Peak discharge [m<sup>3</sup>/s]

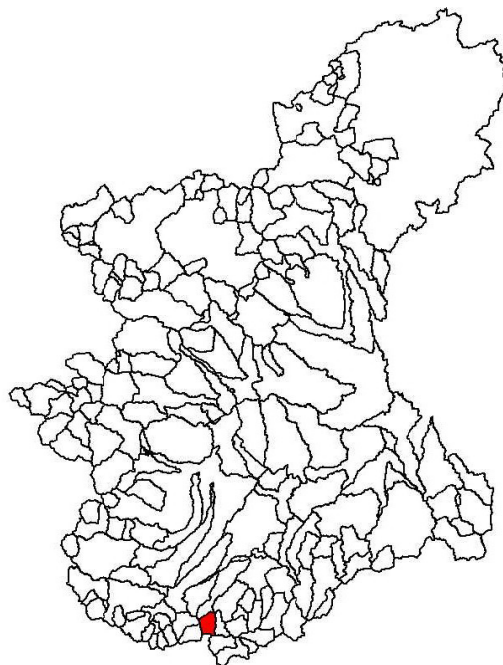
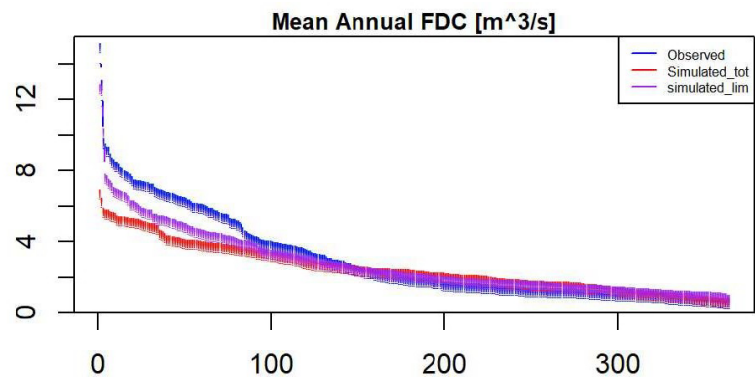
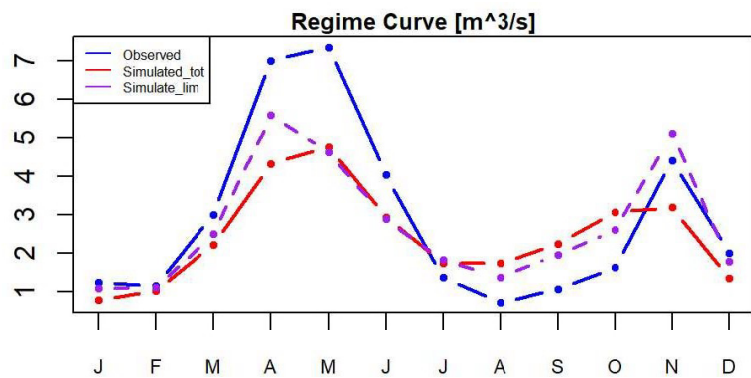
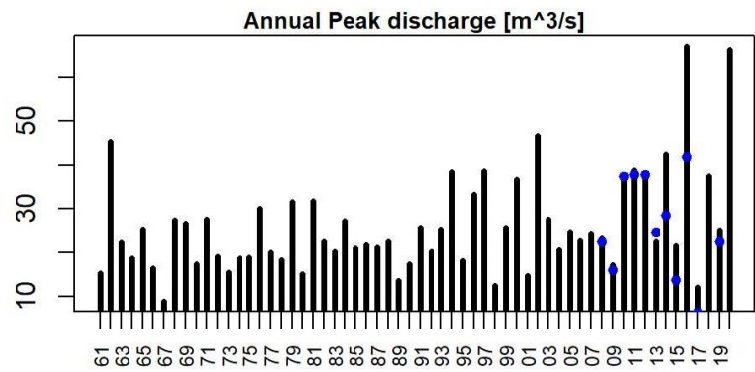
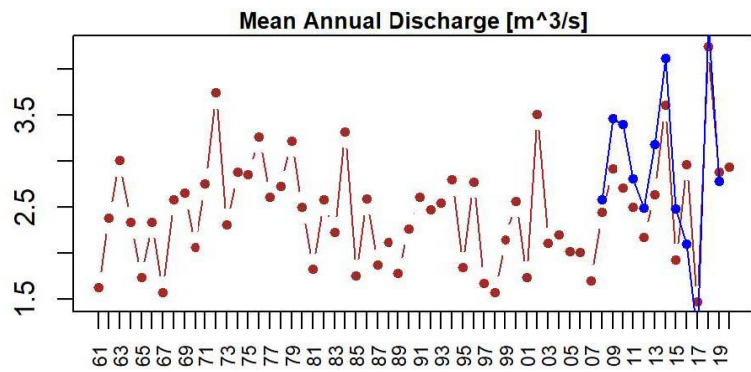
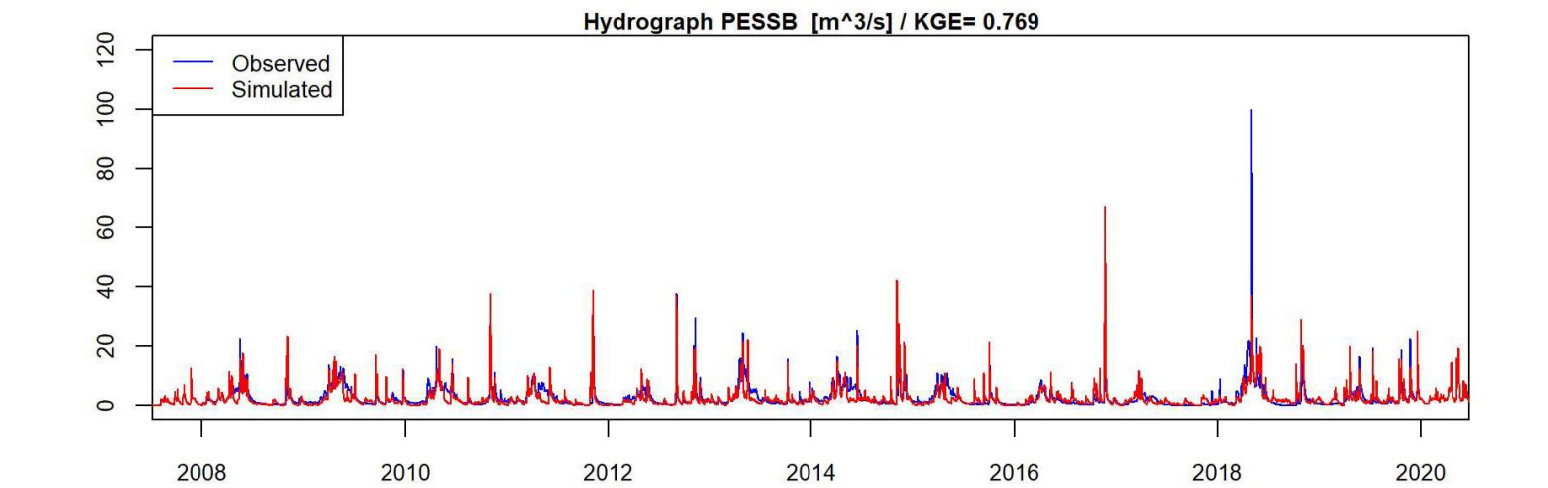


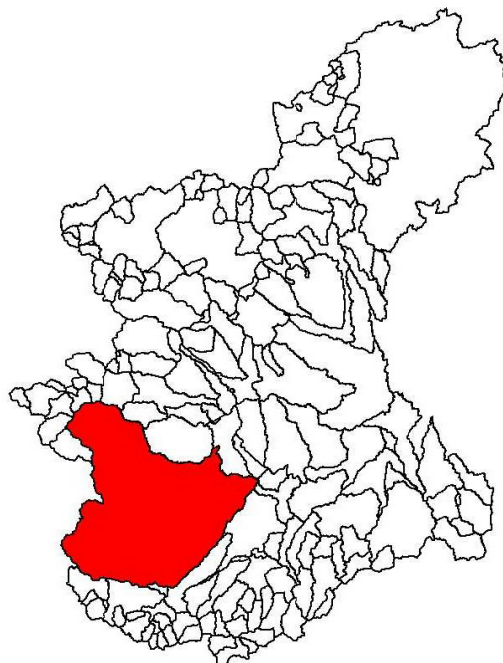
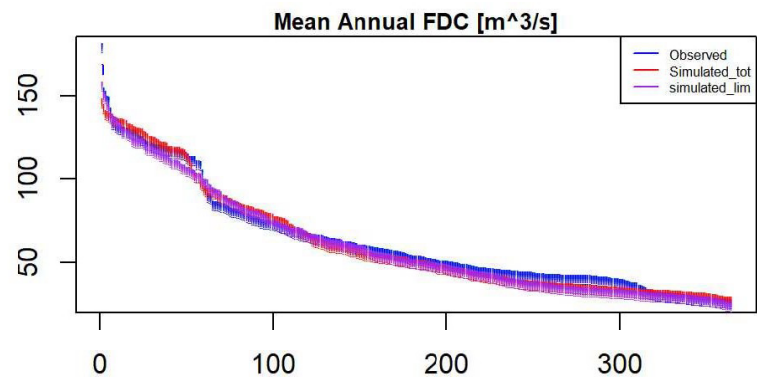
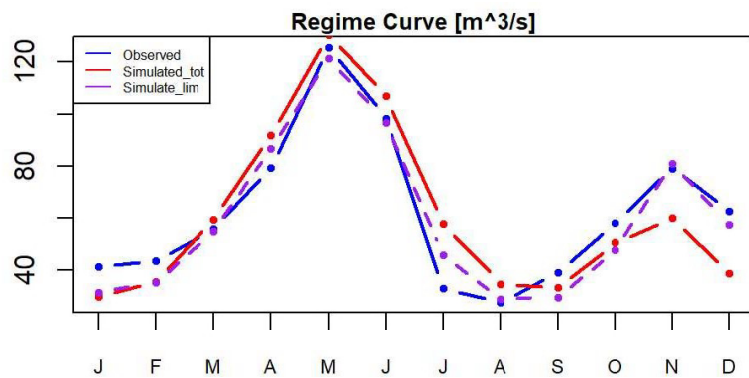
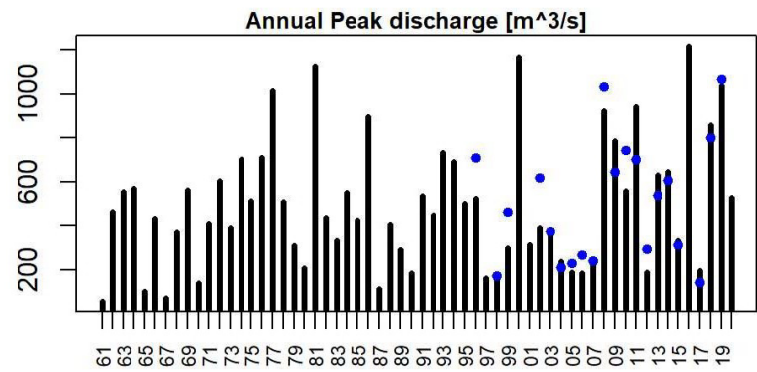
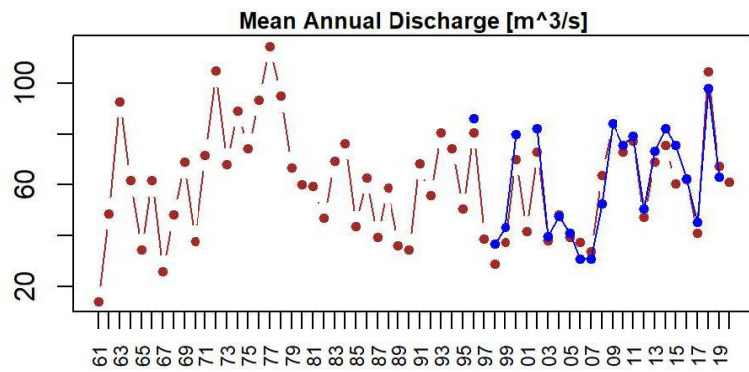
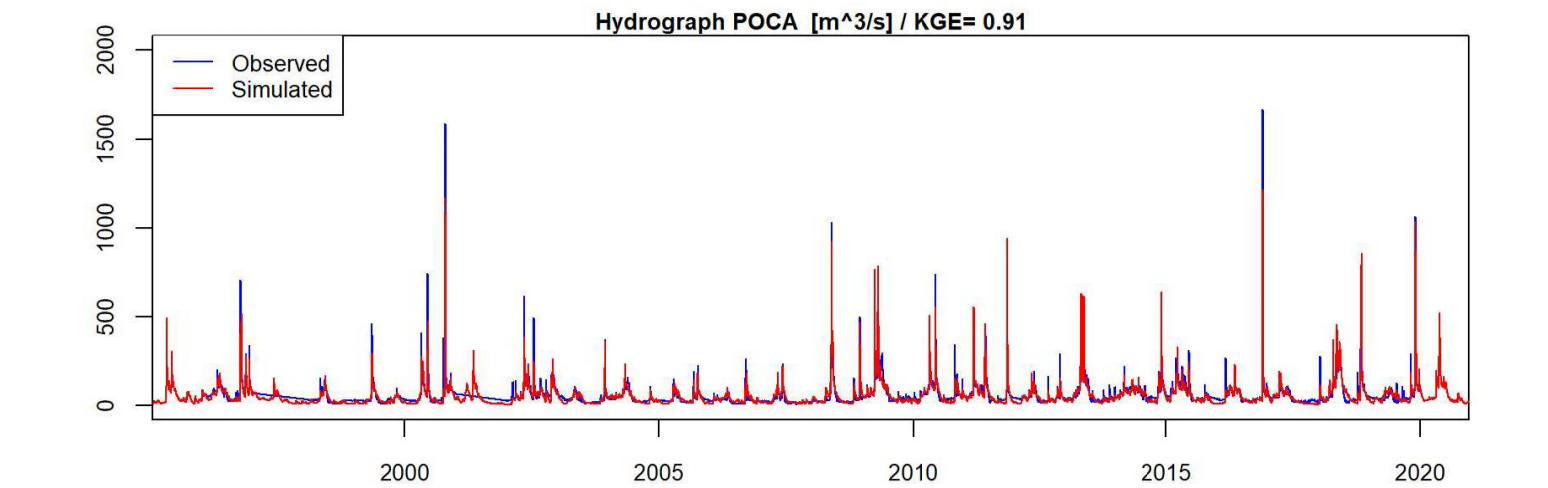
Regime Curve [m<sup>3</sup>/s]



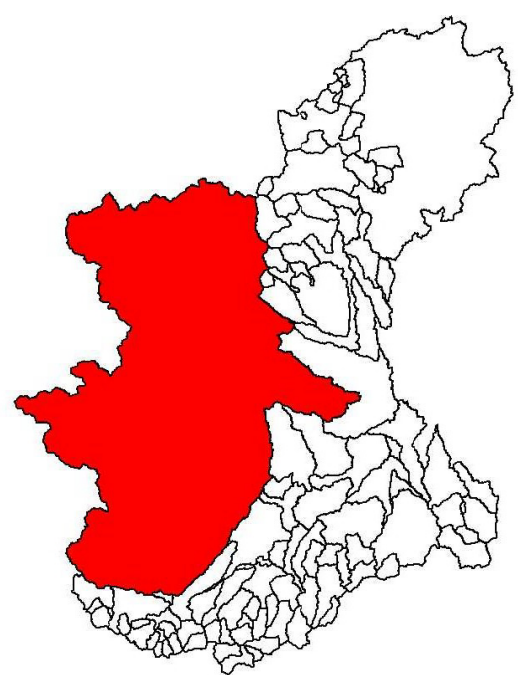
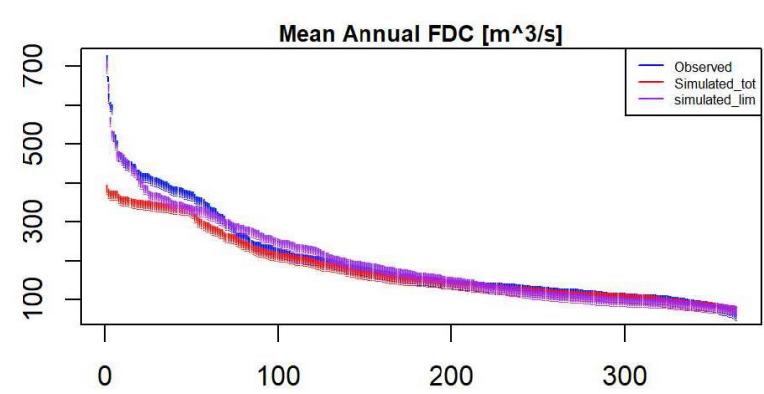
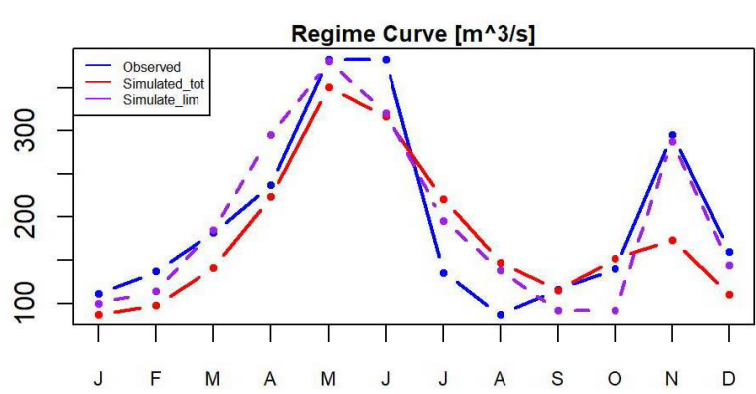
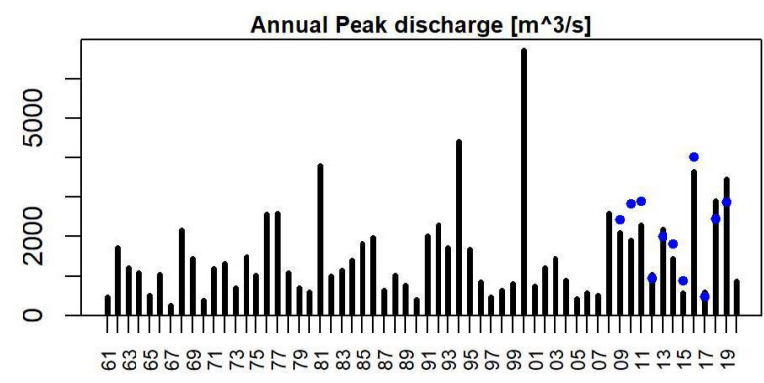
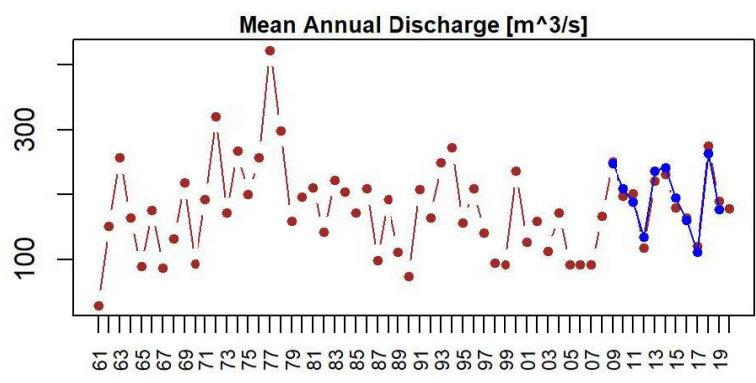
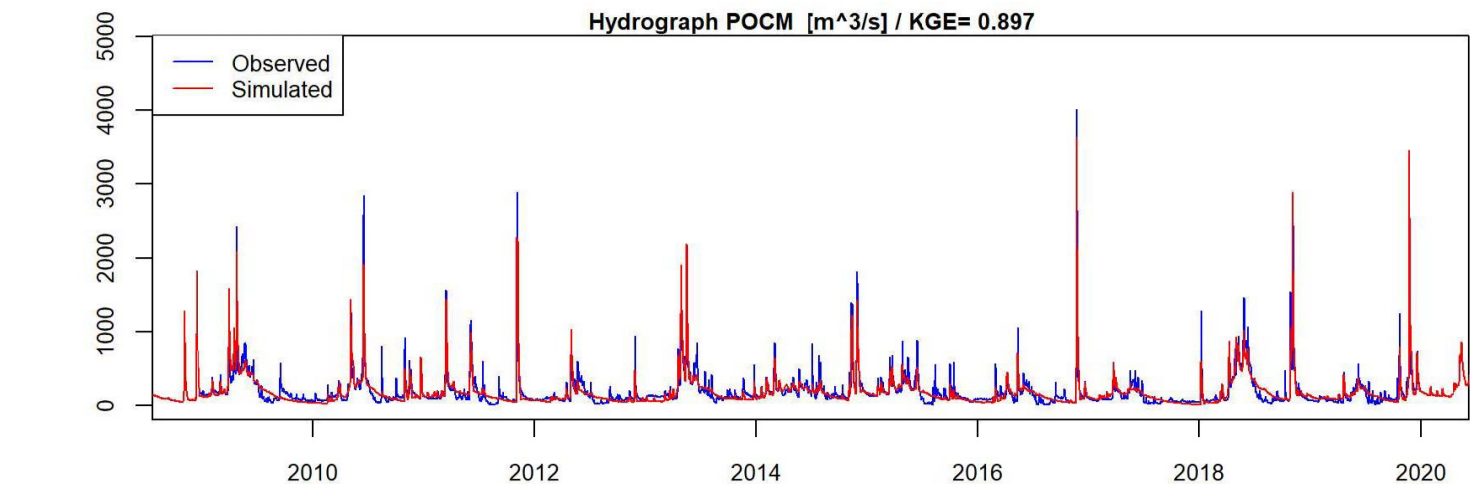
Mean Annual FDC [m<sup>3</sup>/s]



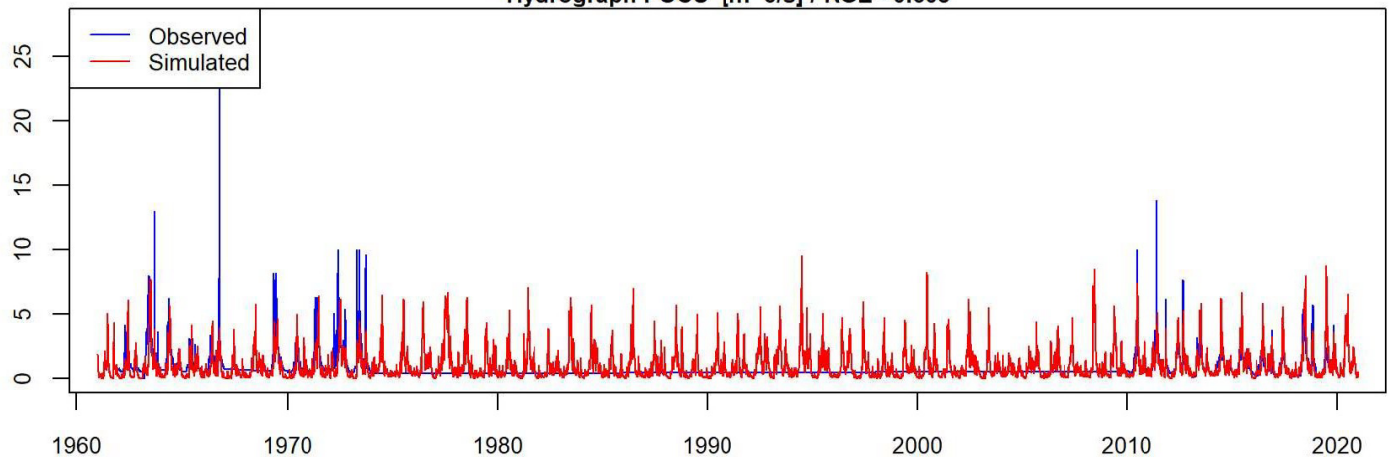




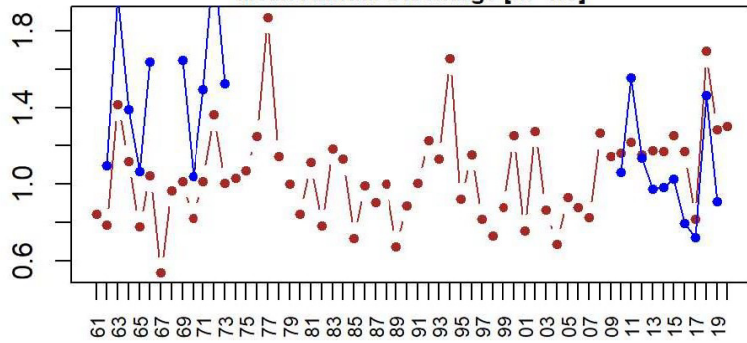




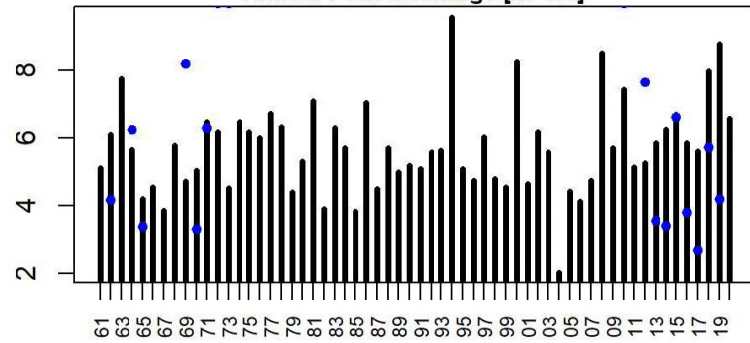
Hydrograph POCS [m<sup>3</sup>/s] / KGE= 0.605



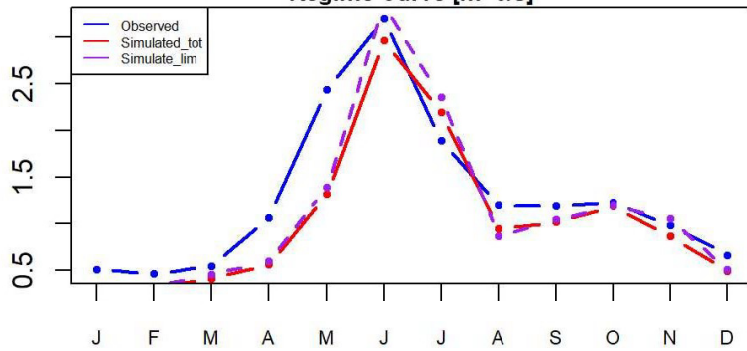
Mean Annual Discharge [m<sup>3</sup>/s]



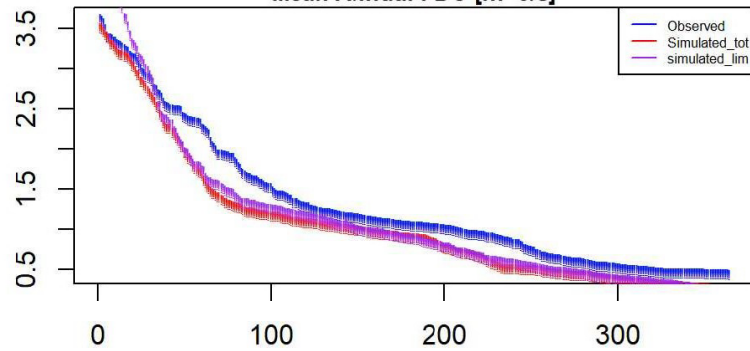
Annual Peak discharge [m<sup>3</sup>/s]



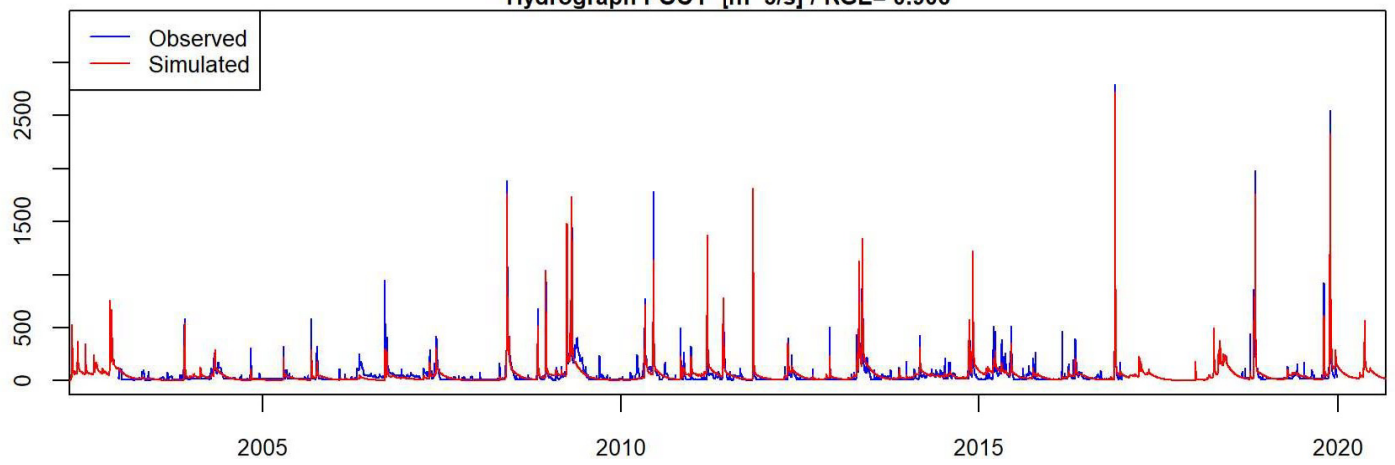
Regime Curve [m<sup>3</sup>/s]



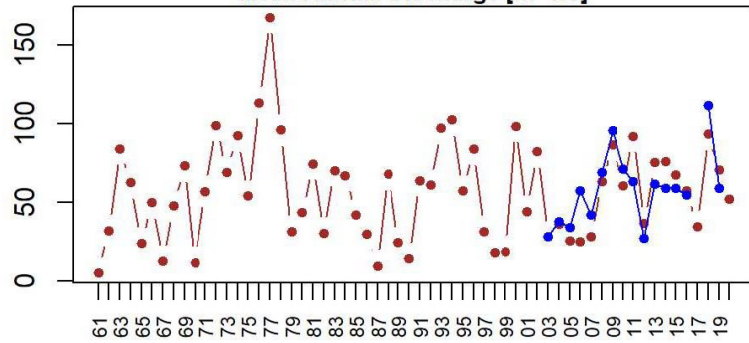
Mean Annual FDC [m<sup>3</sup>/s]



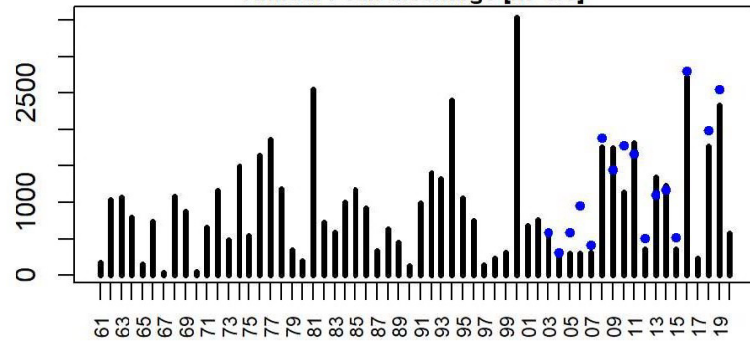
Hydrograph POCT [ $\text{m}^3/\text{s}$ ] / KGE= 0.906



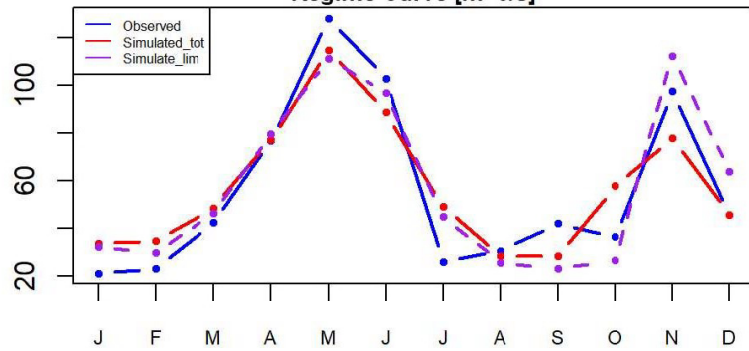
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



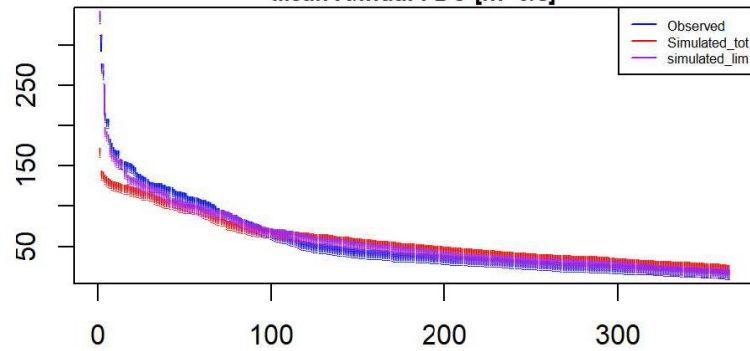
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

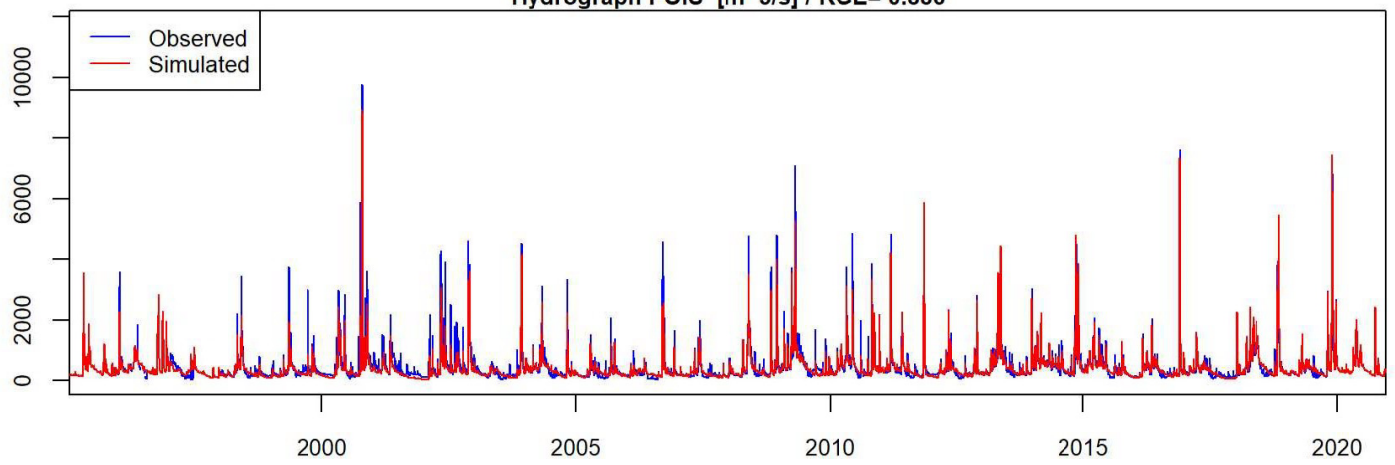


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

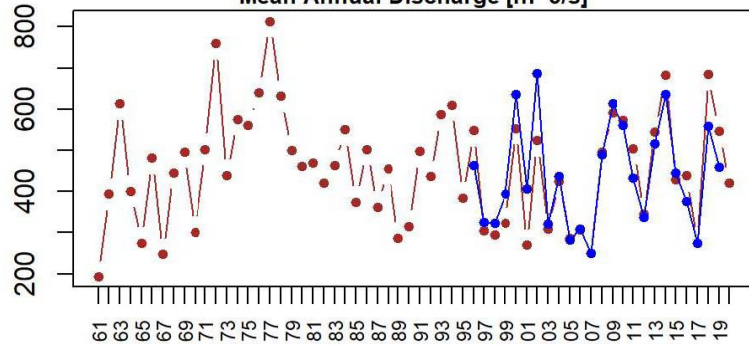




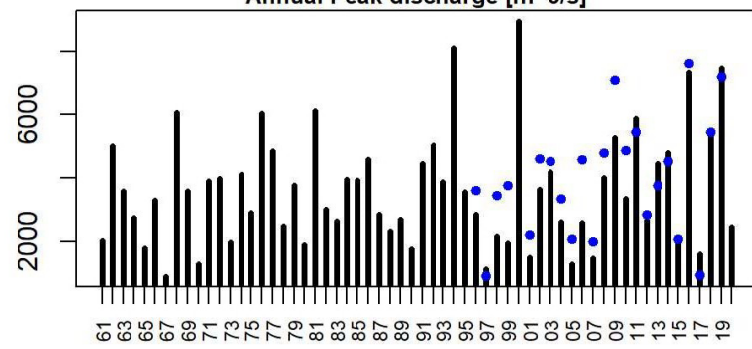
Hydrograph POIS [ $\text{m}^3/\text{s}$ ] / KGE= 0.886



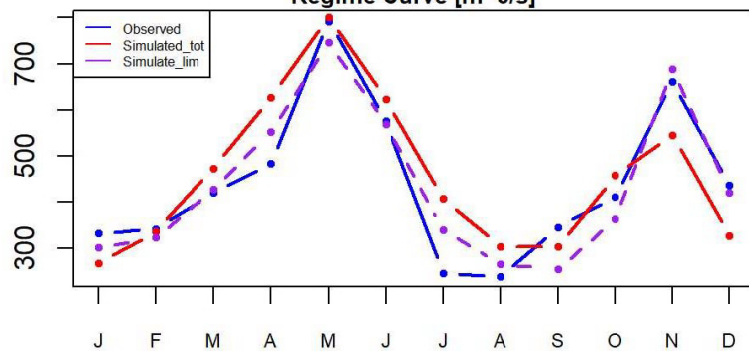
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



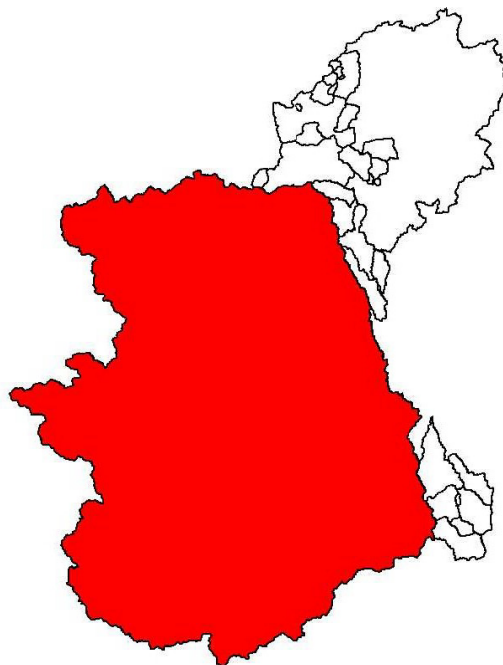
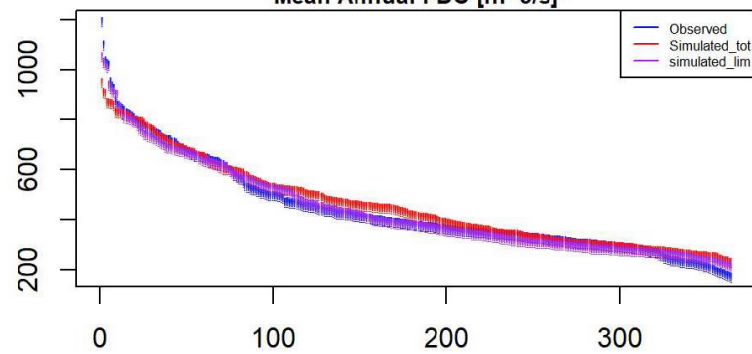
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



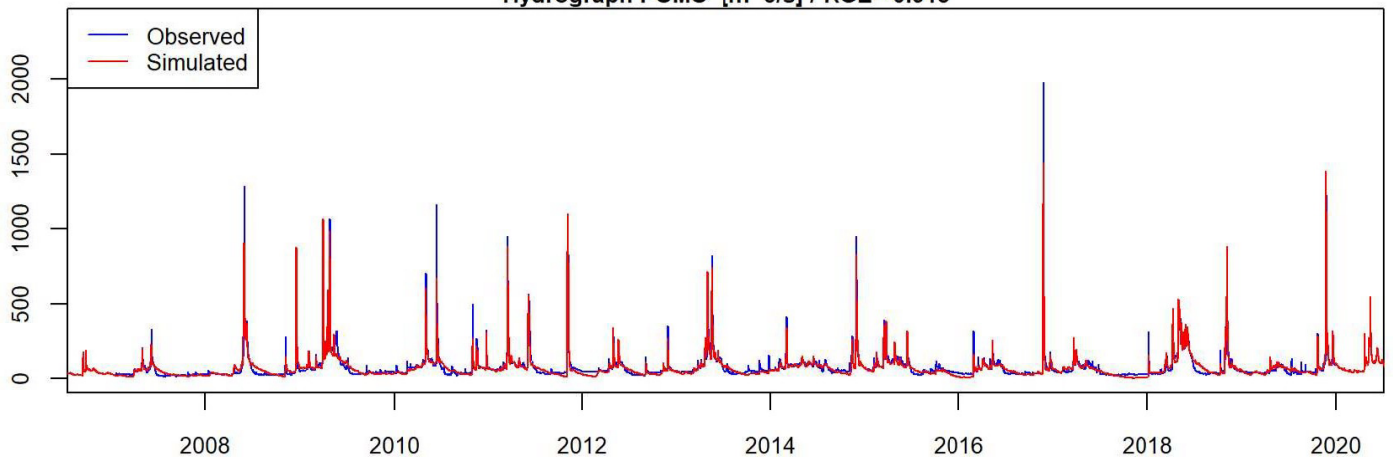
Regime Curve [ $\text{m}^3/\text{s}$ ]



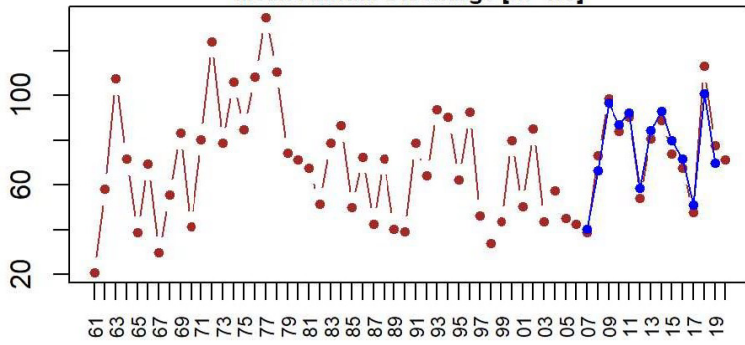
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



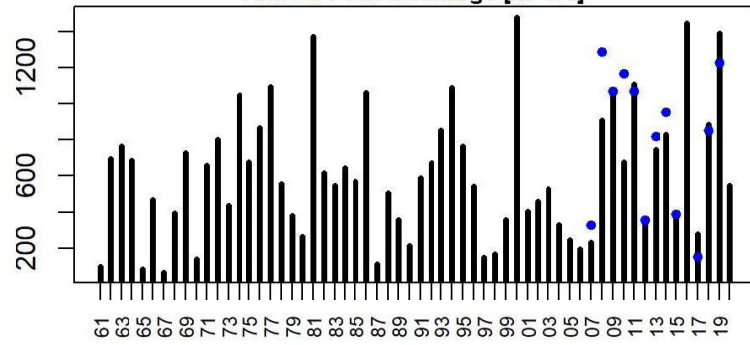
Hydrograph POMO [m<sup>3</sup>/s] / KGE= 0.915



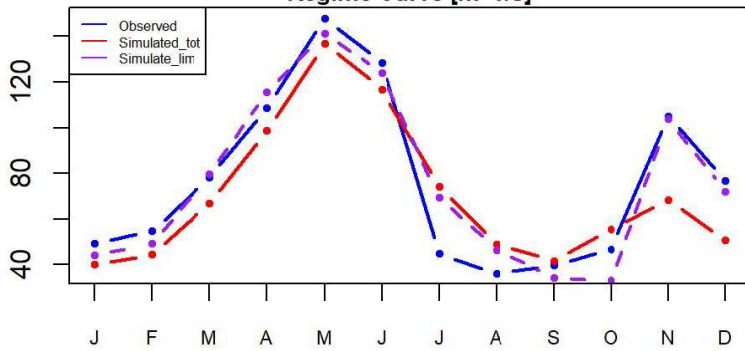
Mean Annual Discharge [m<sup>3</sup>/s]



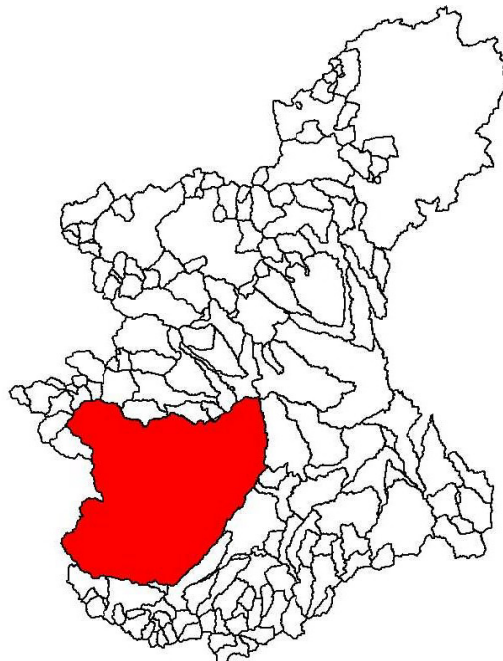
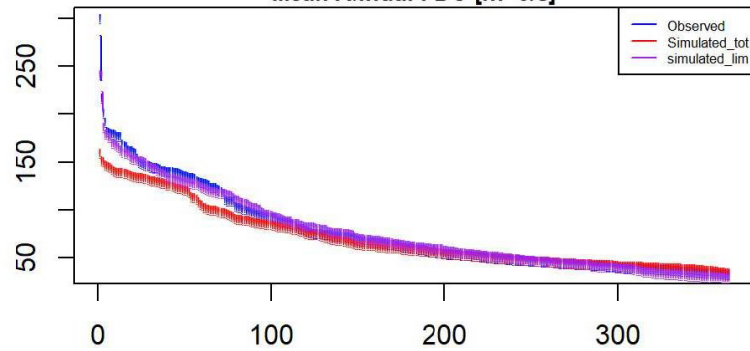
Annual Peak discharge [m<sup>3</sup>/s]



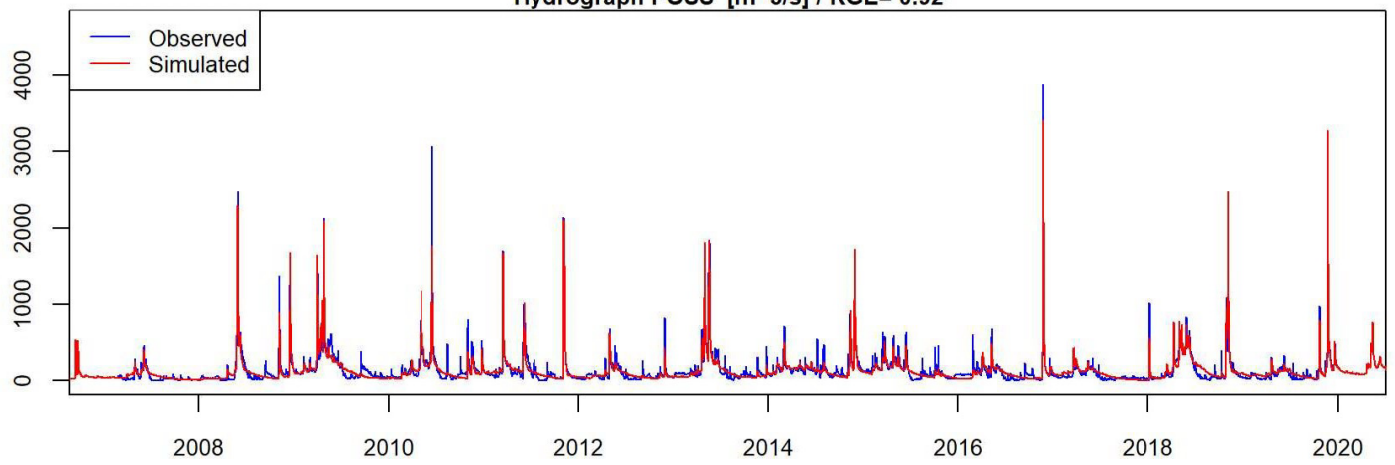
Regime Curve [m<sup>3</sup>/s]



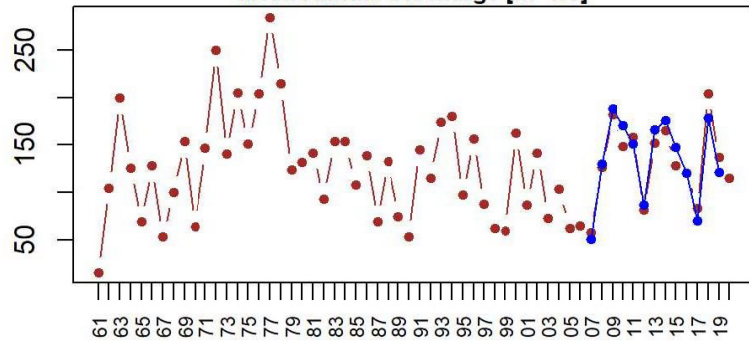
Mean Annual FDC [m<sup>3</sup>/s]



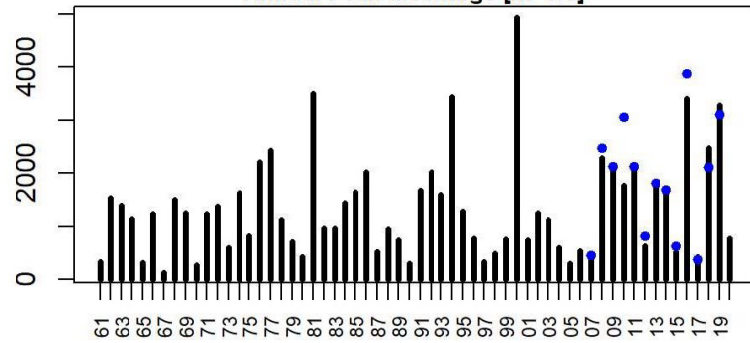
Hydrograph POSS [m<sup>3</sup>/s] / KGE= 0.92



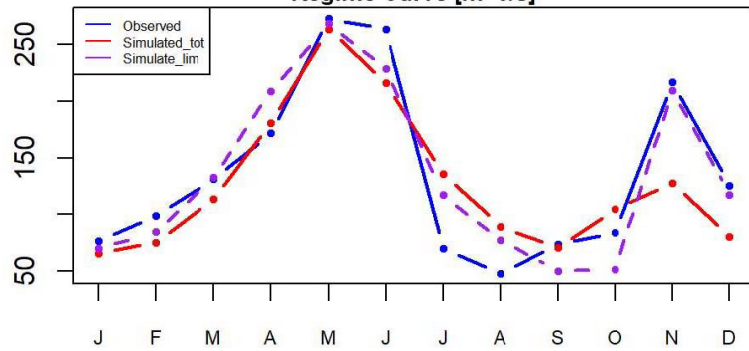
Mean Annual Discharge [m<sup>3</sup>/s]



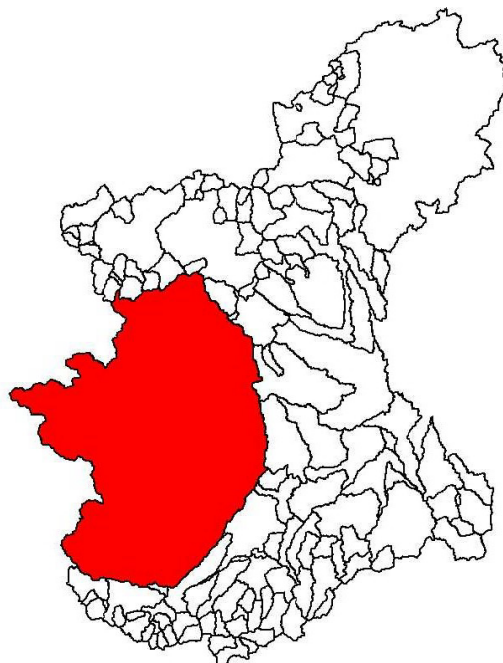
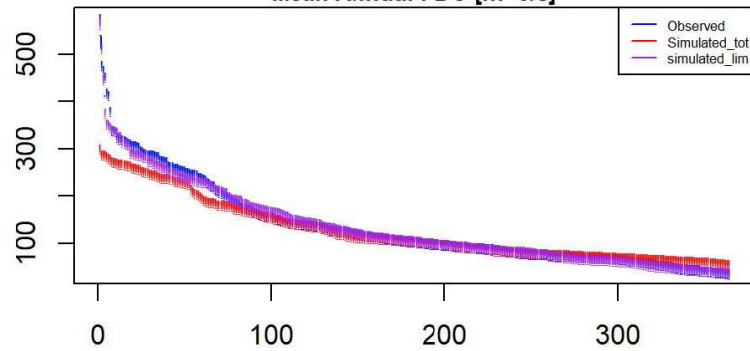
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

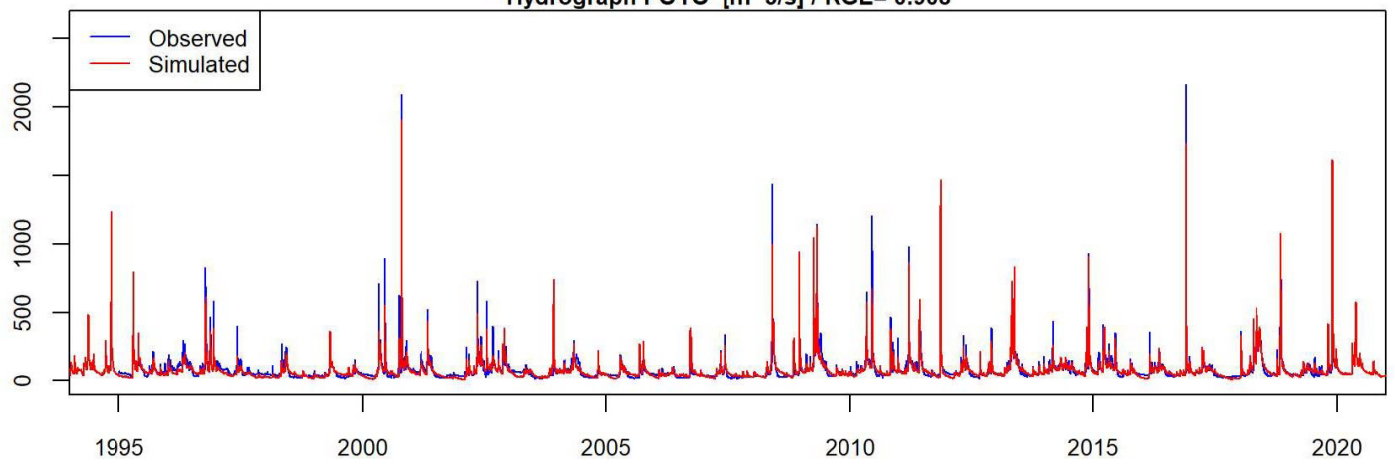


Mean Annual FDC [m<sup>3</sup>/s]

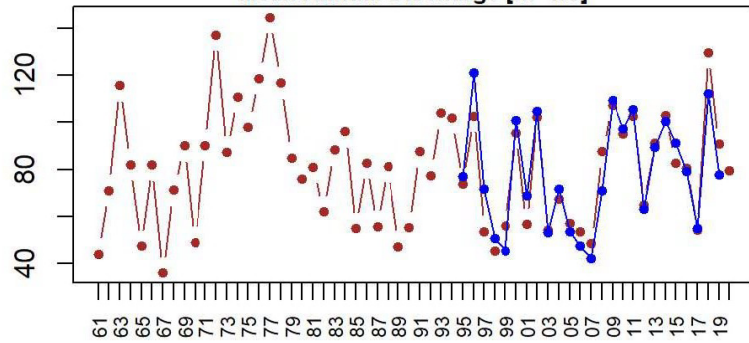




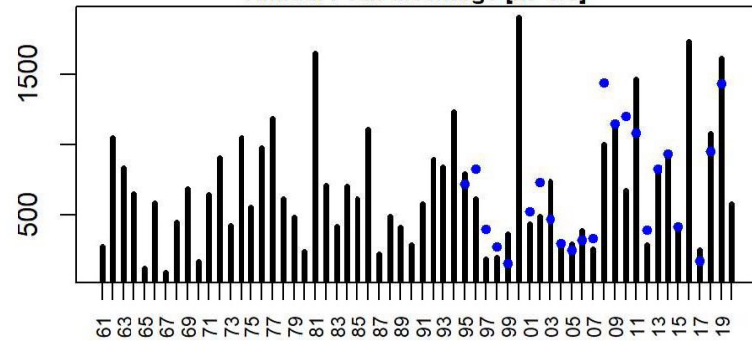
Hydrograph POTO [ $\text{m}^3/\text{s}$ ] / KGE= 0.908



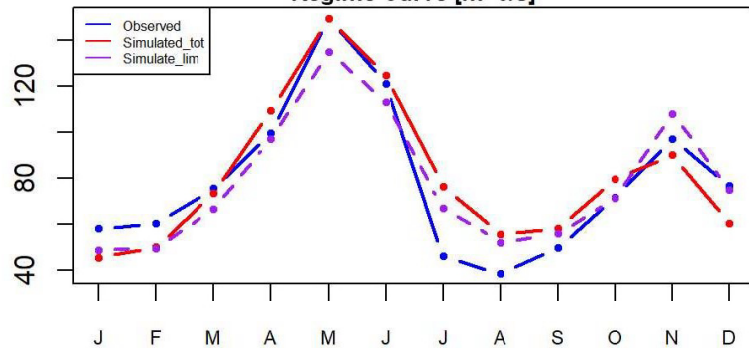
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



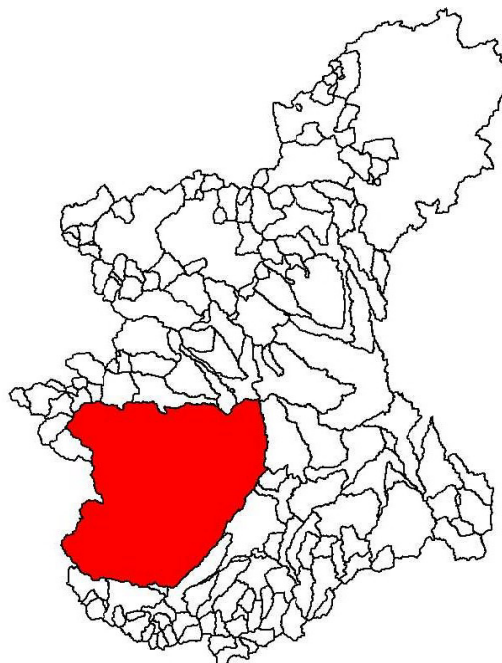
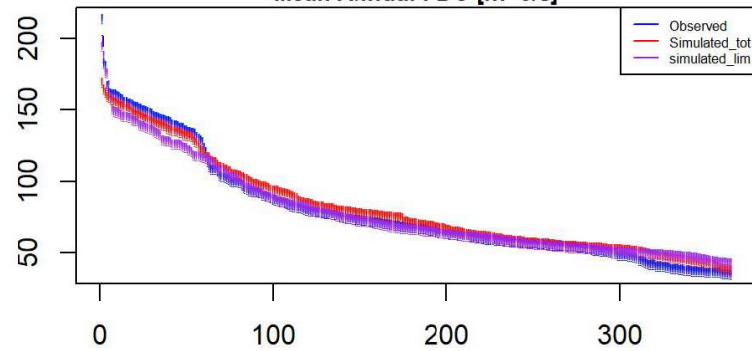
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



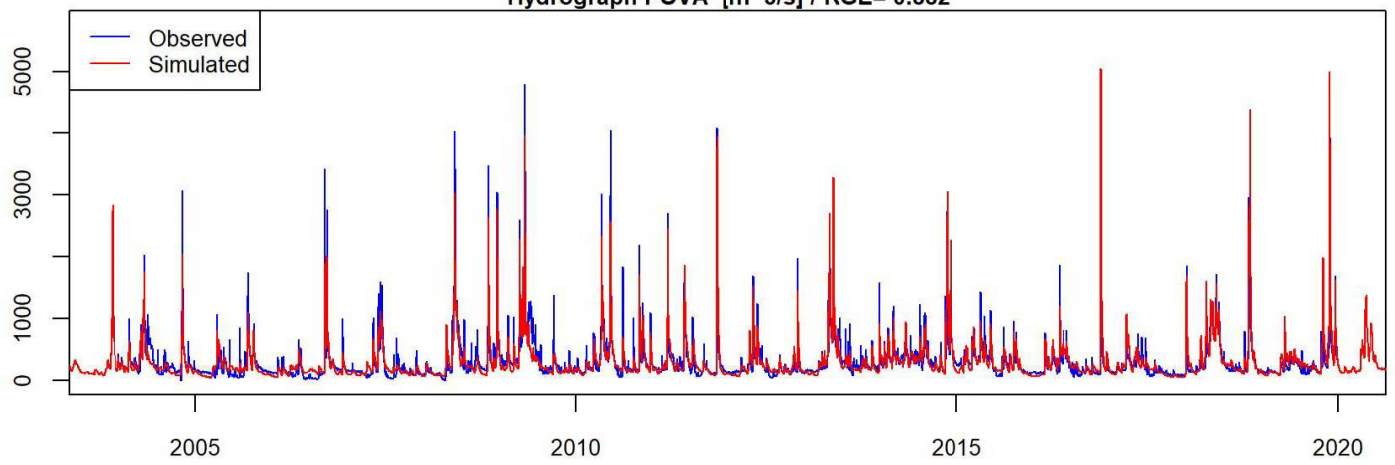
Regime Curve [ $\text{m}^3/\text{s}$ ]



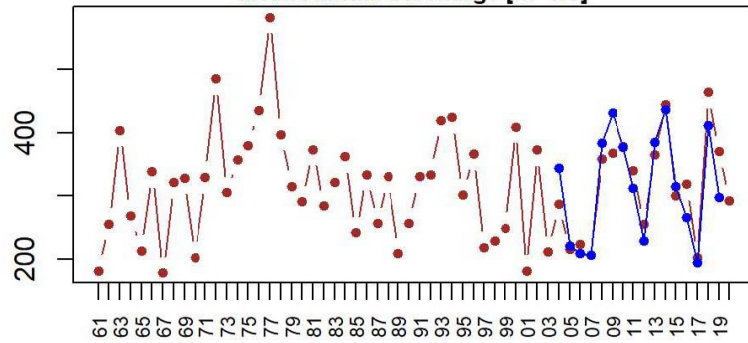
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



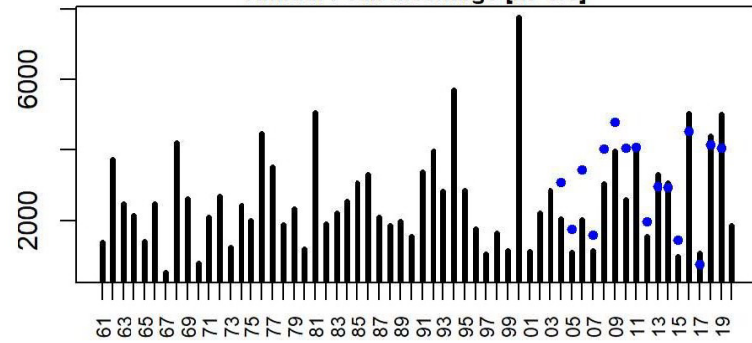
Hydrograph POVA [m<sup>3</sup>/s] / KGE= 0.882



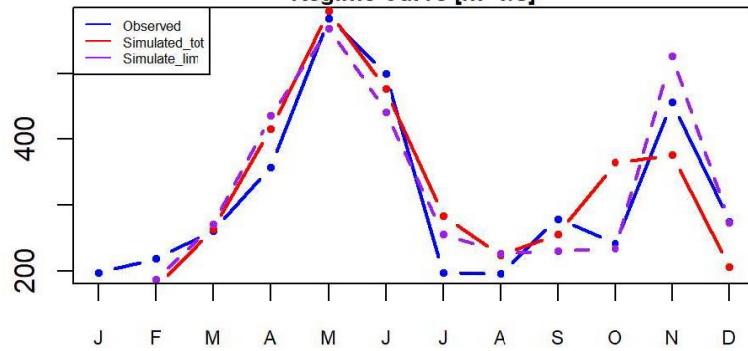
Mean Annual Discharge [m<sup>3</sup>/s]



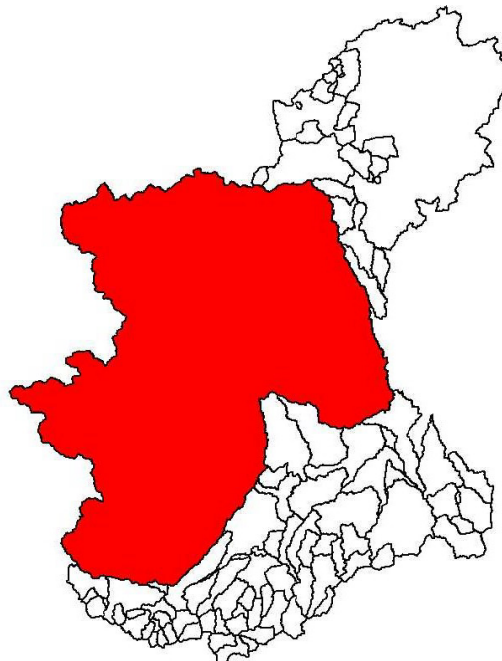
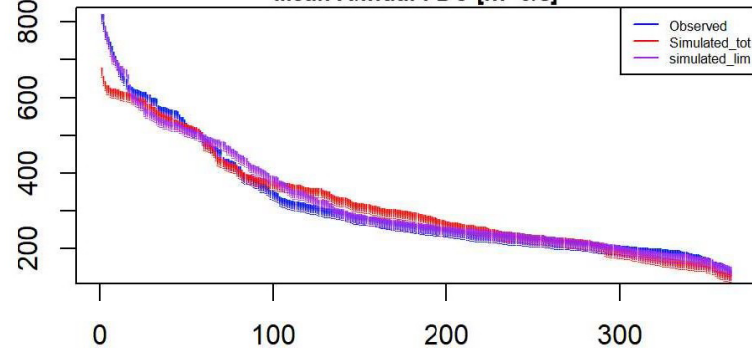
Annual Peak discharge [m<sup>3</sup>/s]



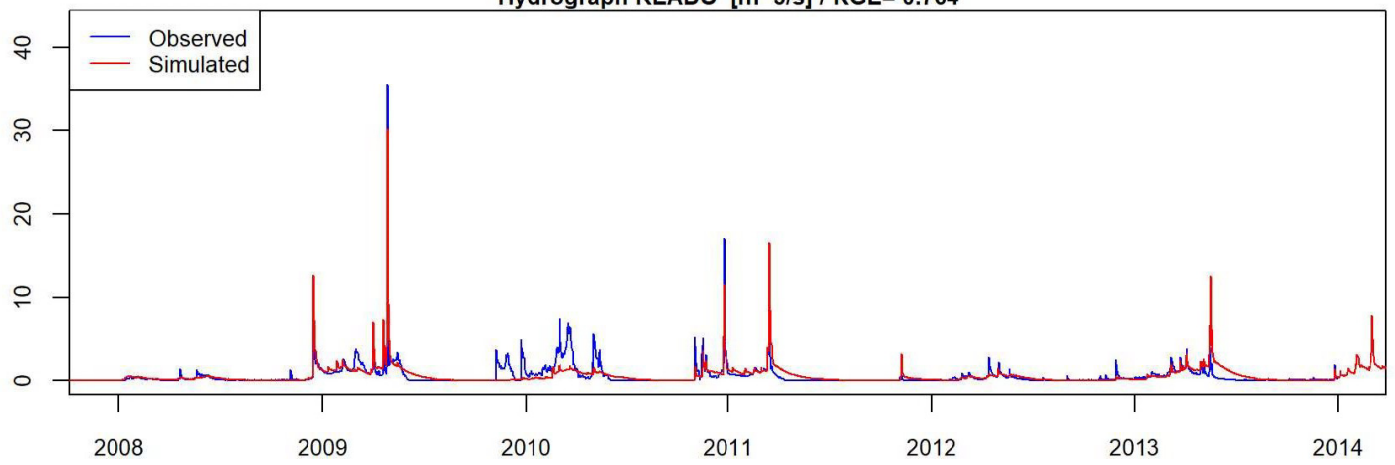
Regime Curve [m<sup>3</sup>/s]



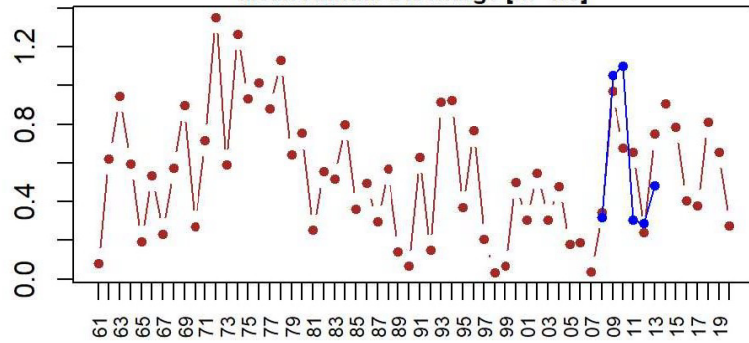
Mean Annual FDC [m<sup>3</sup>/s]



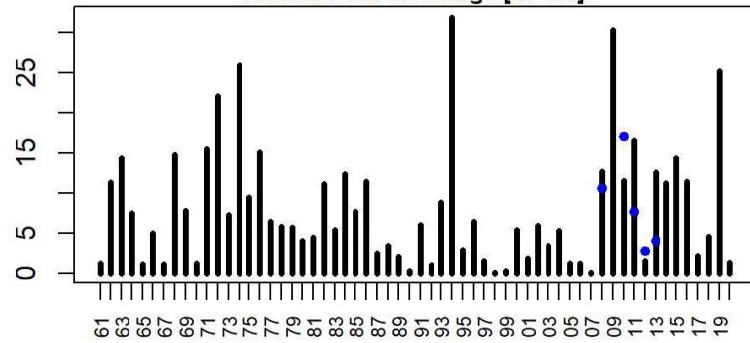
Hydrograph READO [m<sup>3</sup>/s] / KGE= 0.764



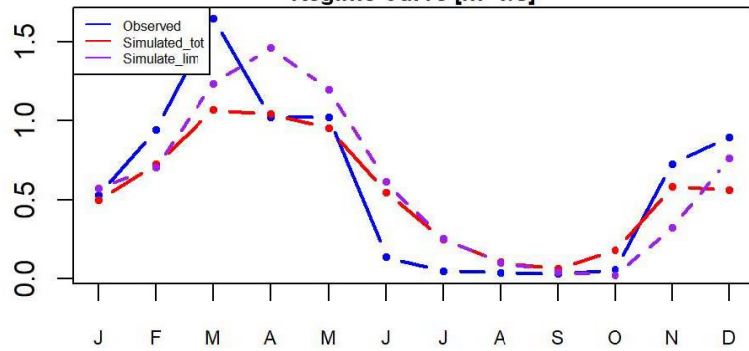
Mean Annual Discharge [m<sup>3</sup>/s]



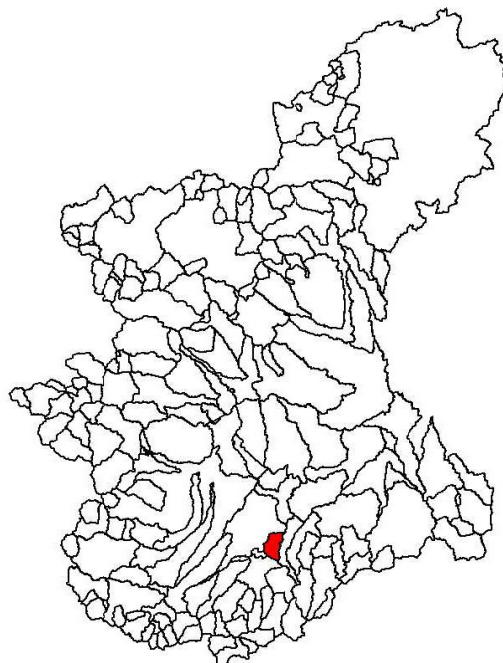
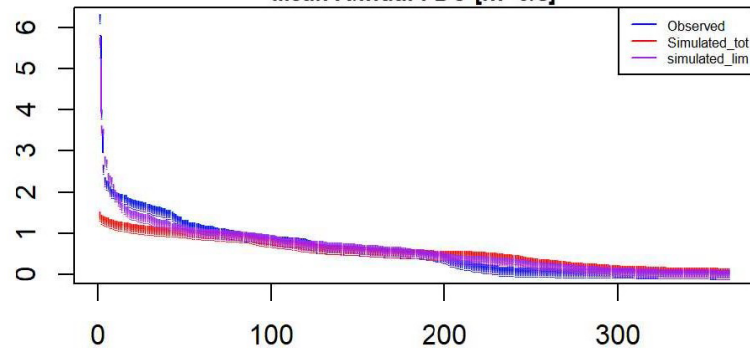
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

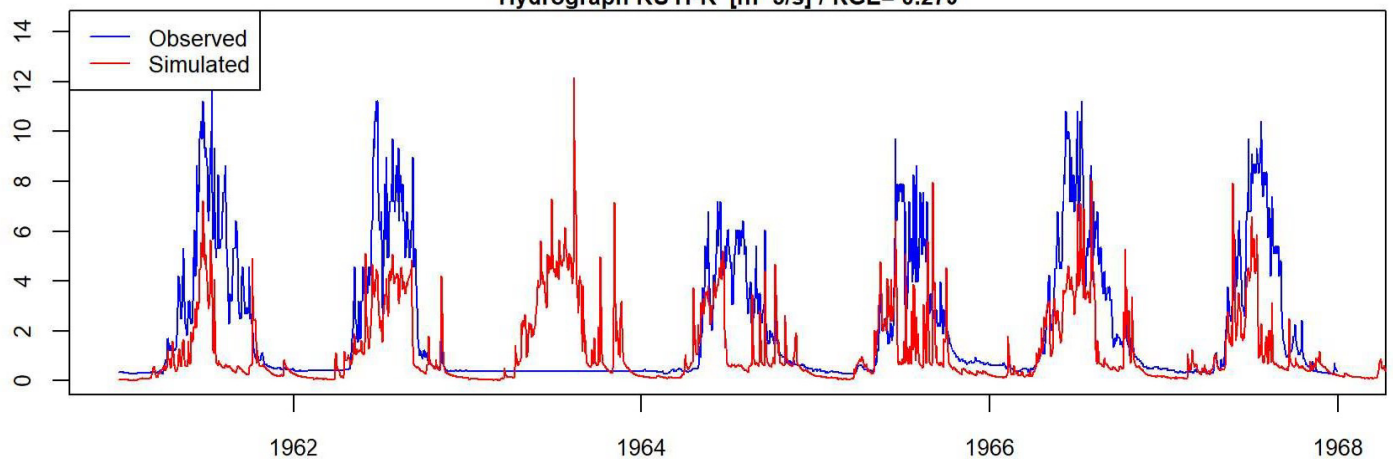


Mean Annual FDC [m<sup>3</sup>/s]

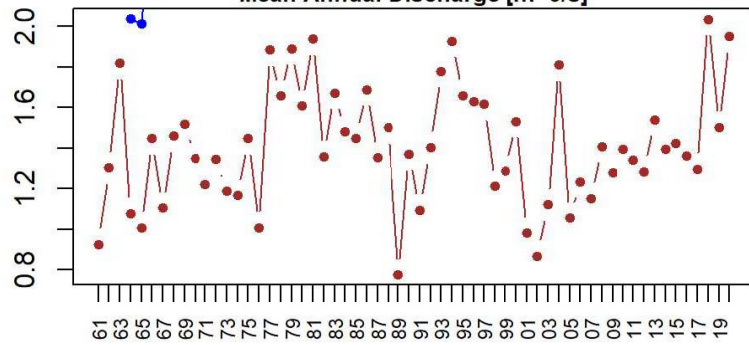




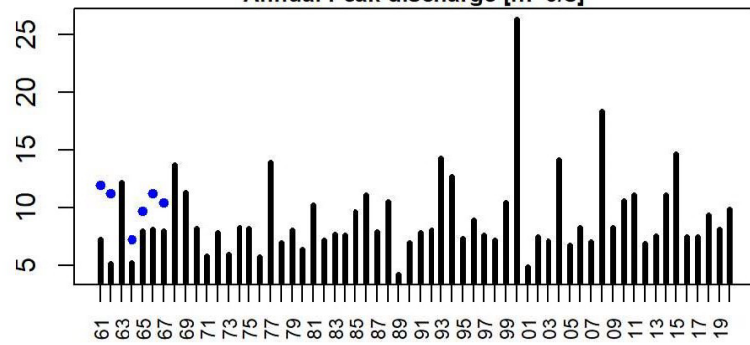
Hydrograph RUTPR [ $\text{m}^3/\text{s}$ ] / KGE= 0.273



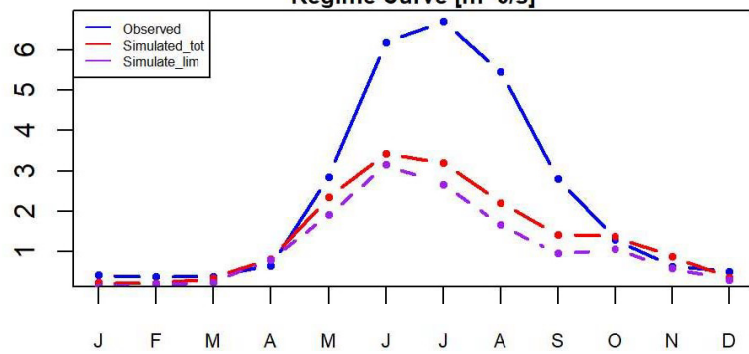
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



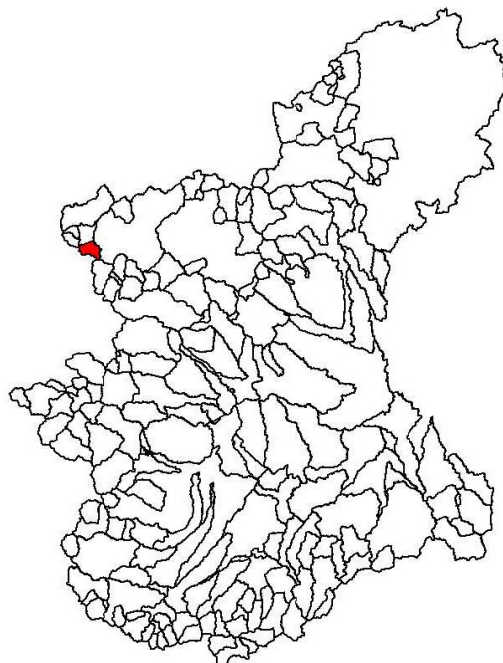
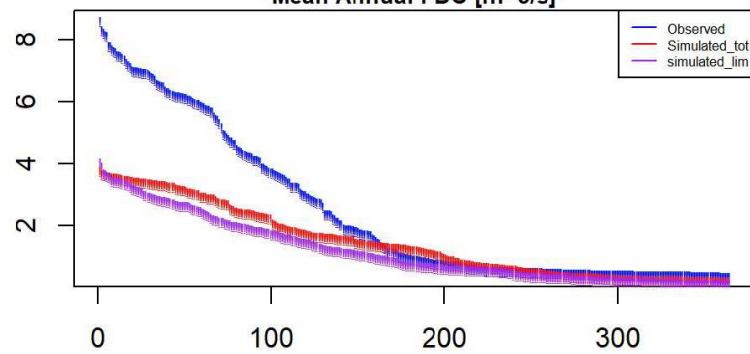
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



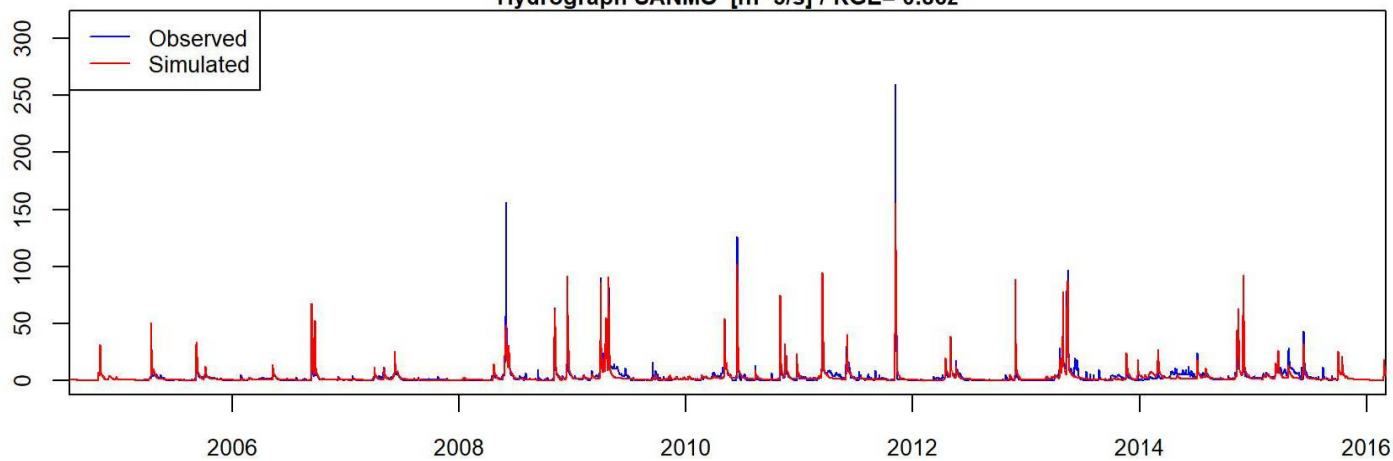
Regime Curve [ $\text{m}^3/\text{s}$ ]



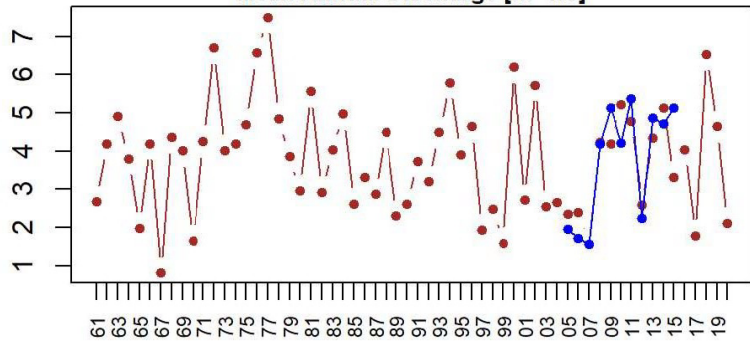
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



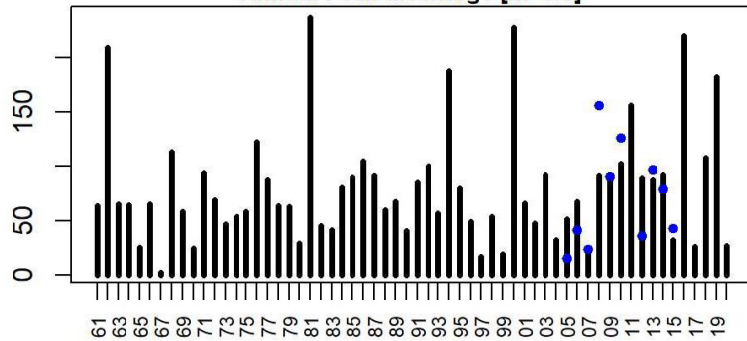
Hydrograph SANMO [m<sup>3</sup>/s] / KGE= 0.862



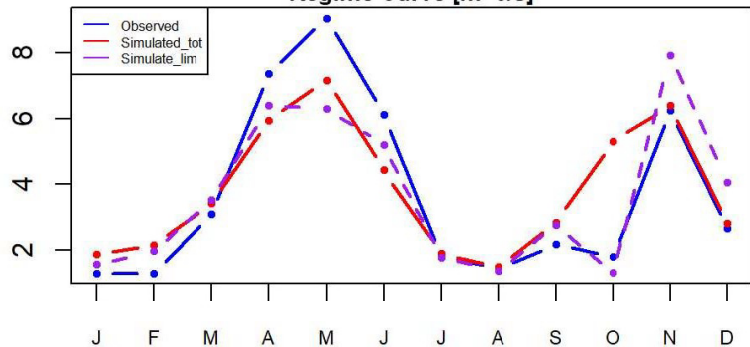
Mean Annual Discharge [m<sup>3</sup>/s]



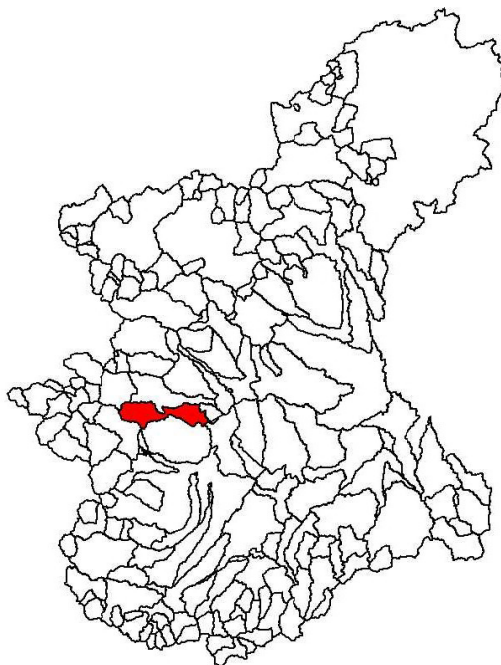
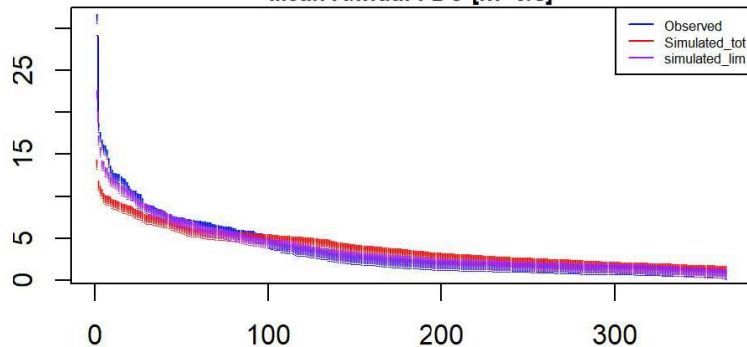
Annual Peak discharge [m<sup>3</sup>/s]

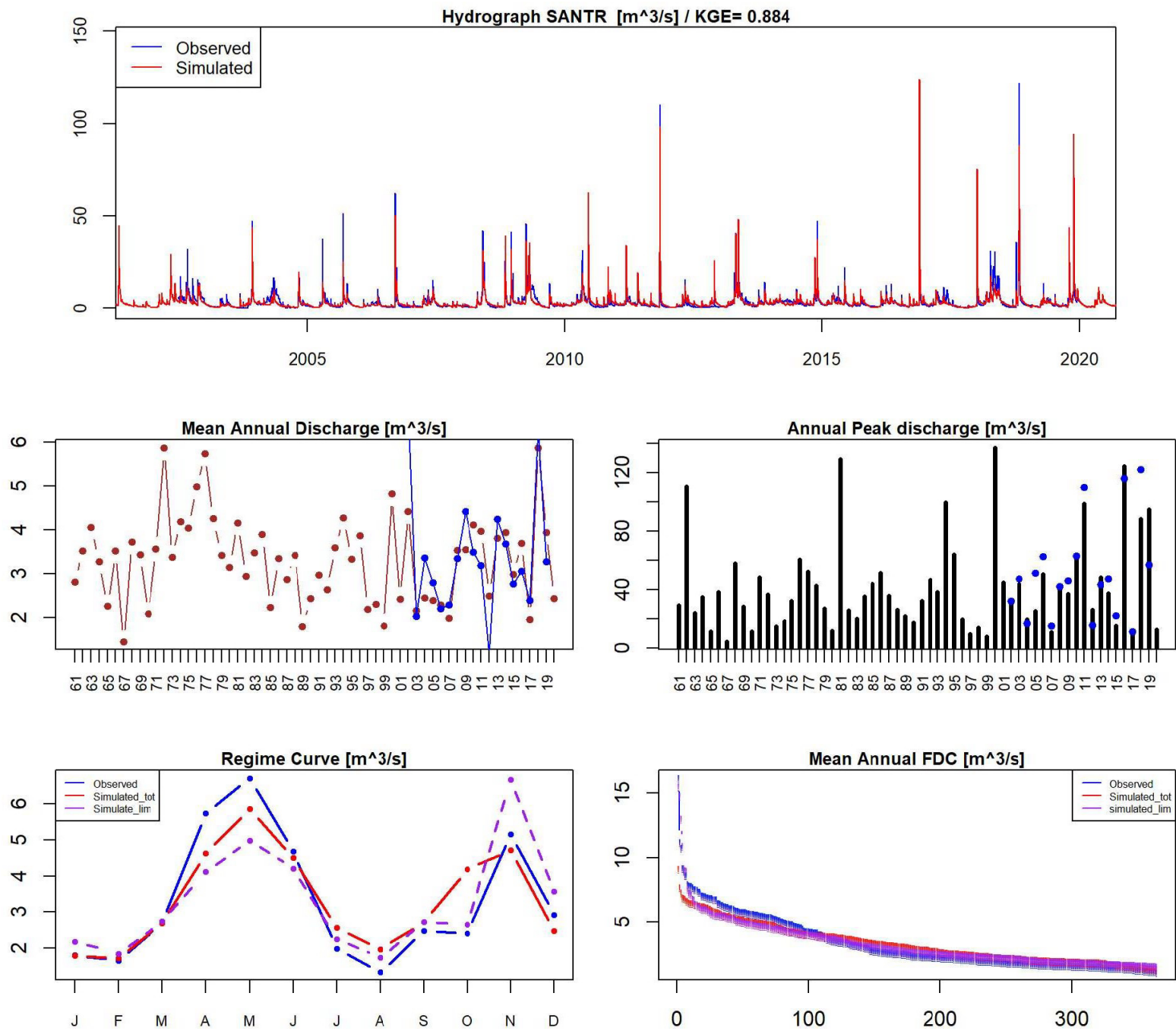


Regime Curve [m<sup>3</sup>/s]



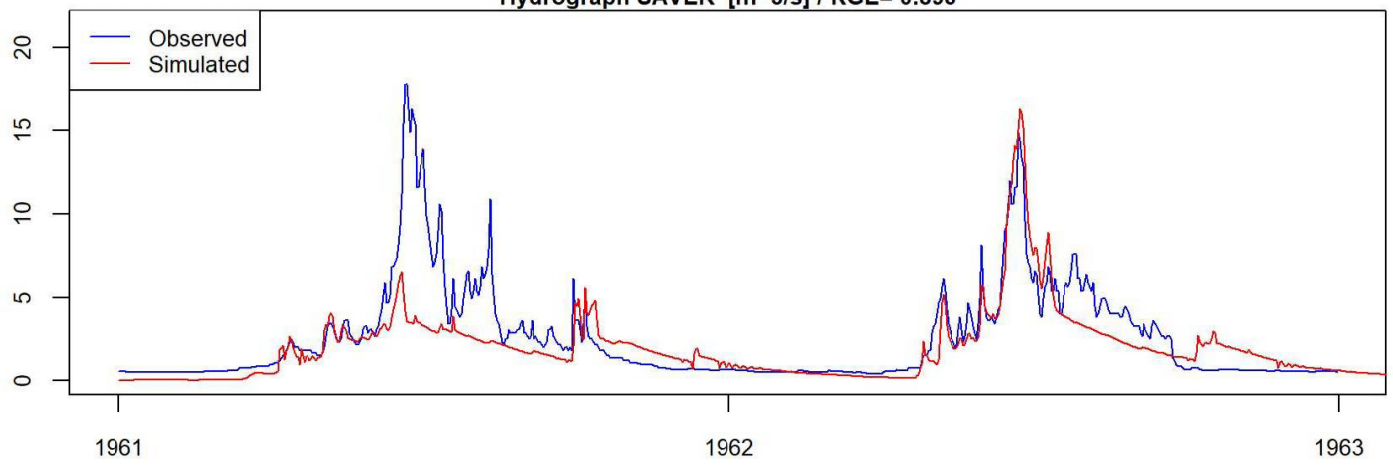
Mean Annual FDC [m<sup>3</sup>/s]



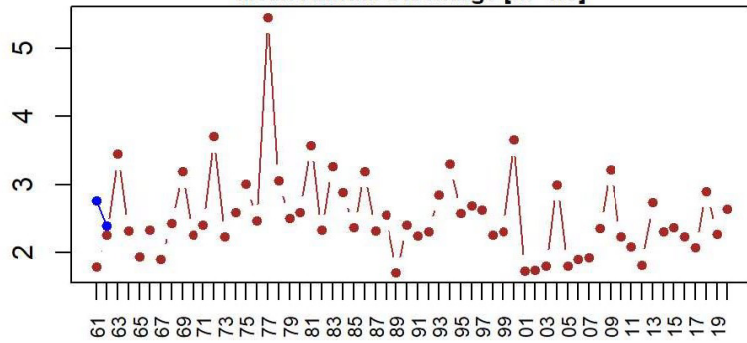




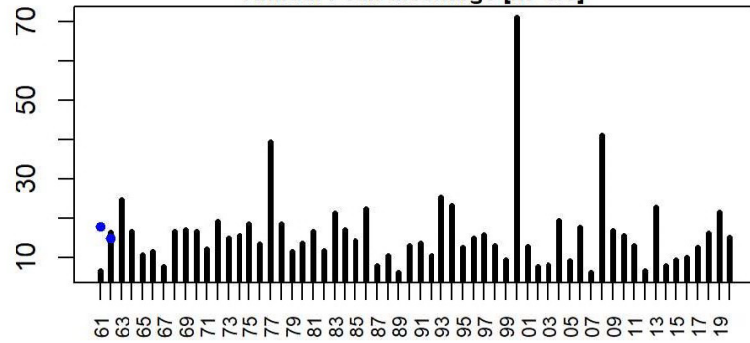
Hydrograph SAVER [m<sup>3</sup>/s] / KGE= 0.898



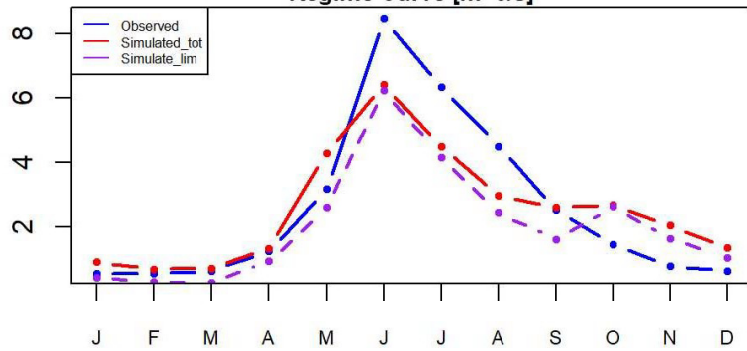
Mean Annual Discharge [m<sup>3</sup>/s]



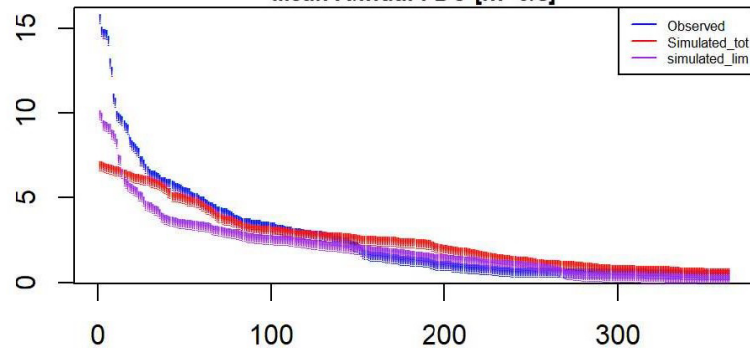
Annual Peak discharge [m<sup>3</sup>/s]



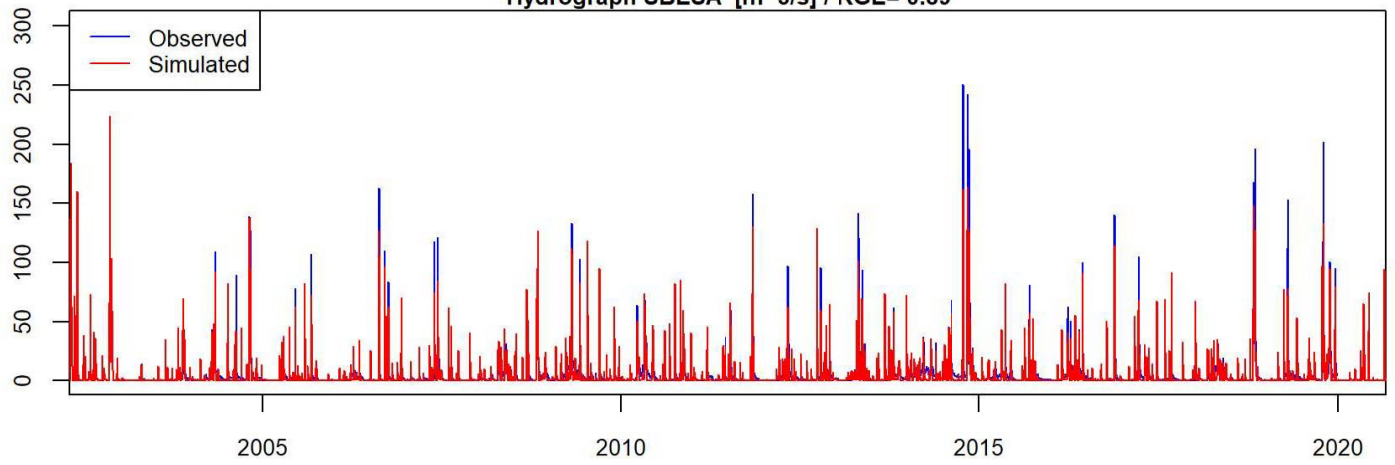
Regime Curve [m<sup>3</sup>/s]



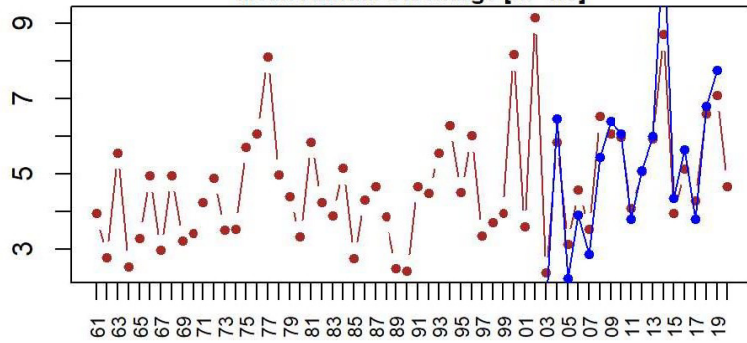
Mean Annual FDC [m<sup>3</sup>/s]



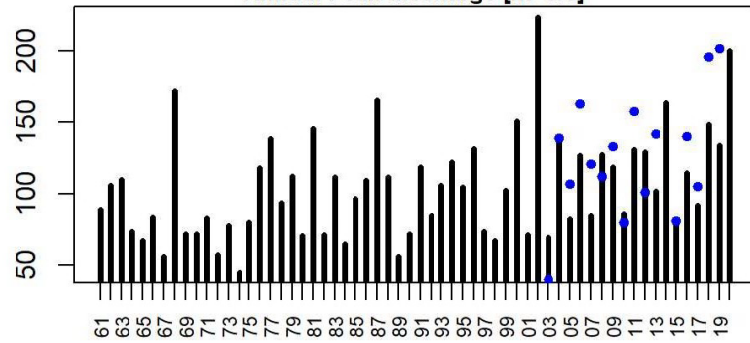
Hydrograph SBESA [ $\text{m}^3/\text{s}$ ] / KGE= 0.89



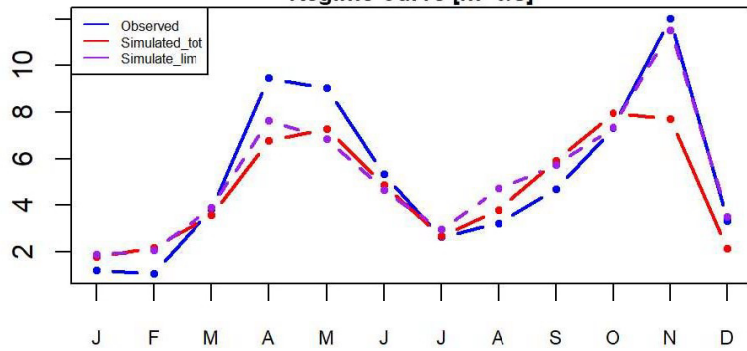
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



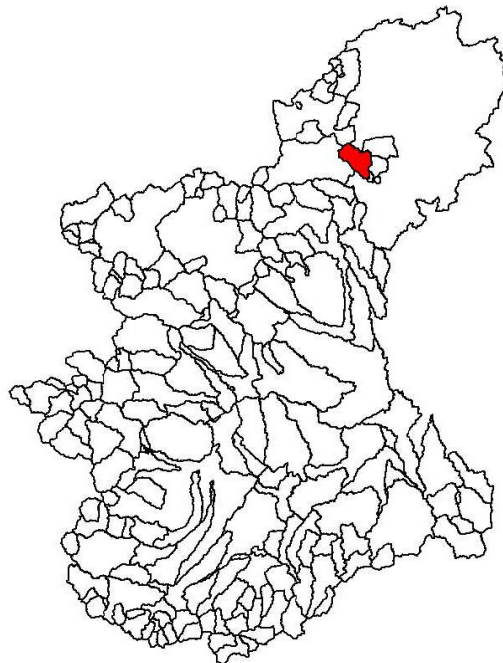
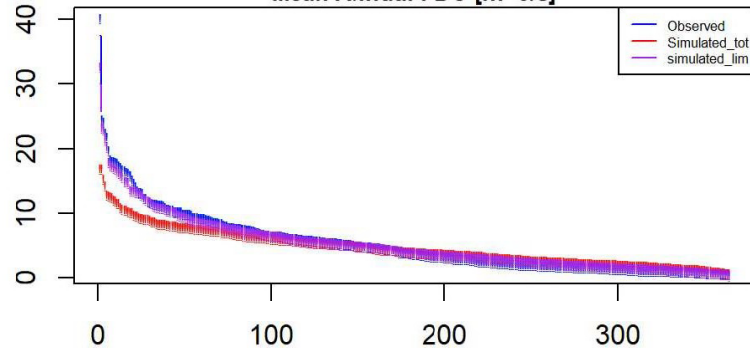
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



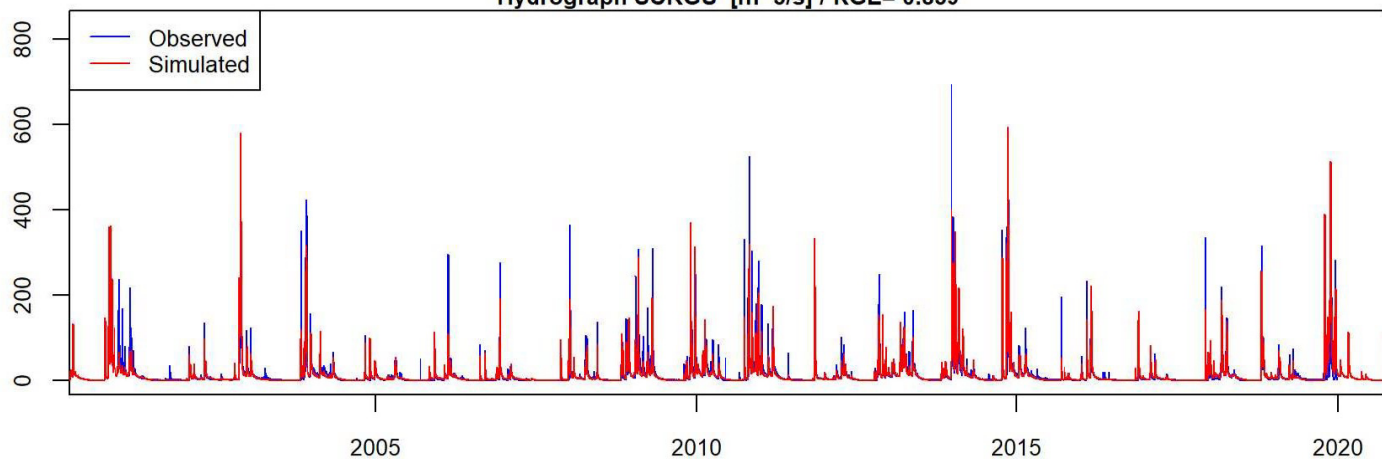
Regime Curve [ $\text{m}^3/\text{s}$ ]



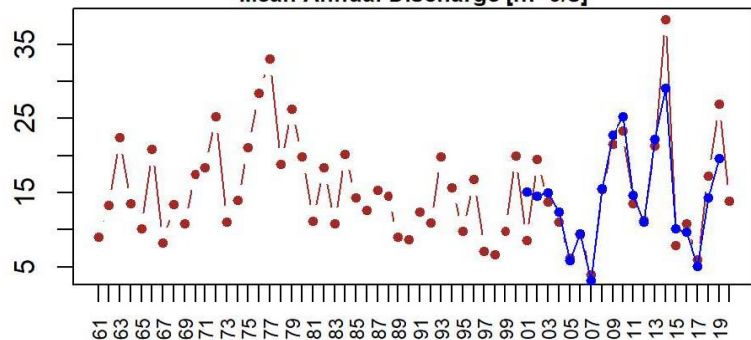
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



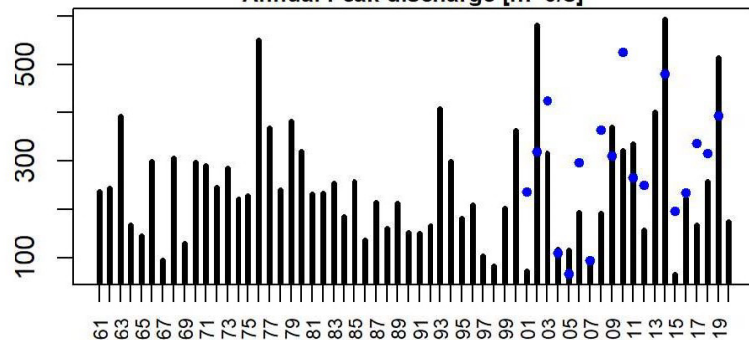
Hydrograph SCRGU [ $\text{m}^3/\text{s}$ ] / KGE= 0.835



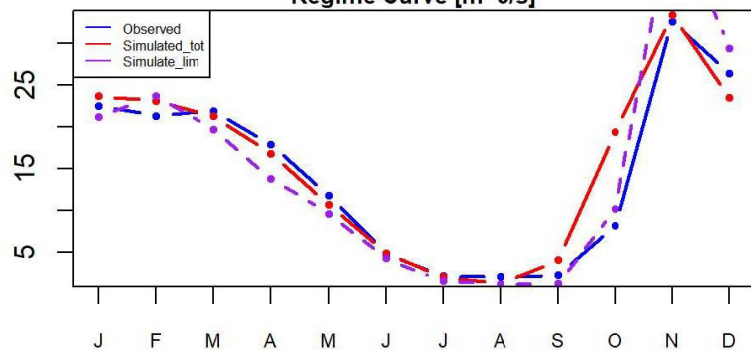
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



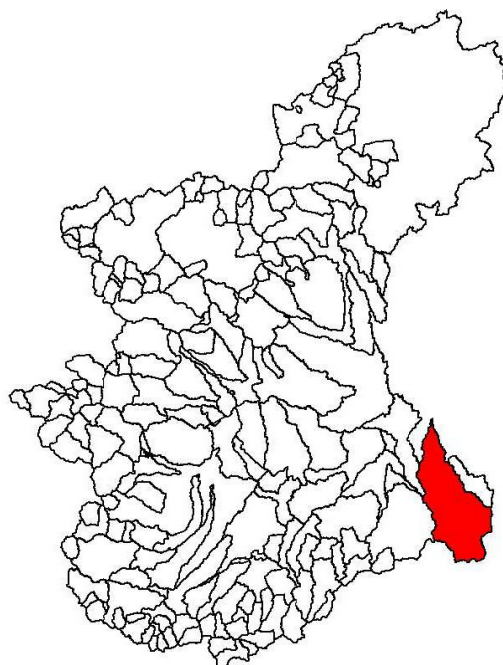
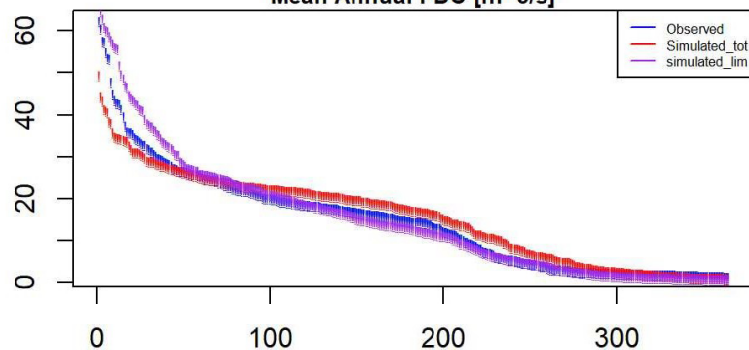
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



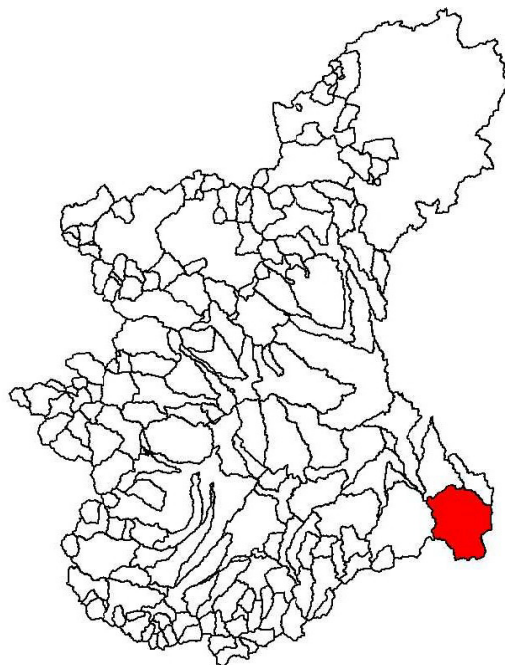
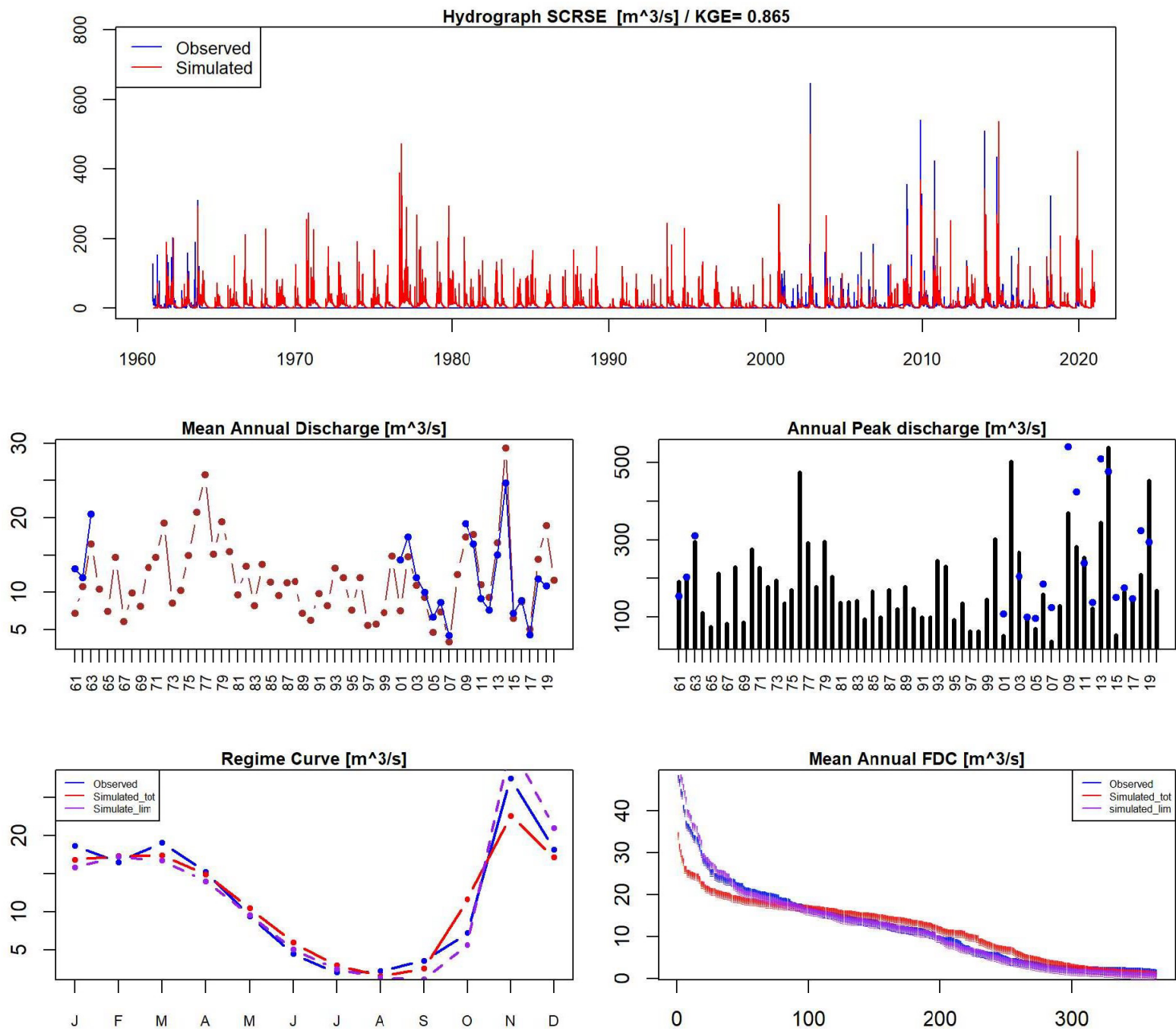
Regime Curve [ $\text{m}^3/\text{s}$ ]



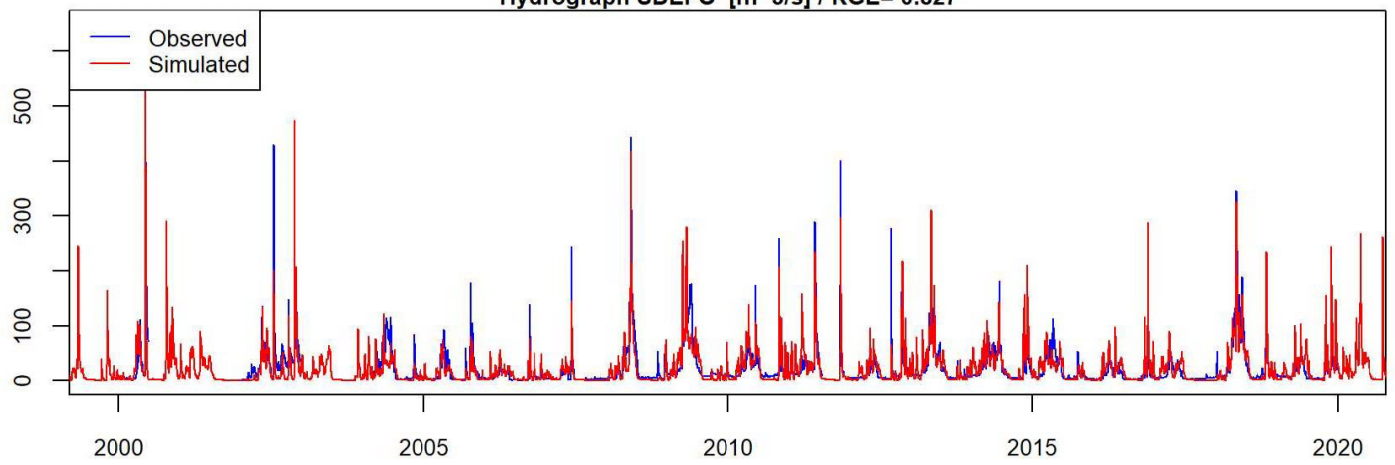
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



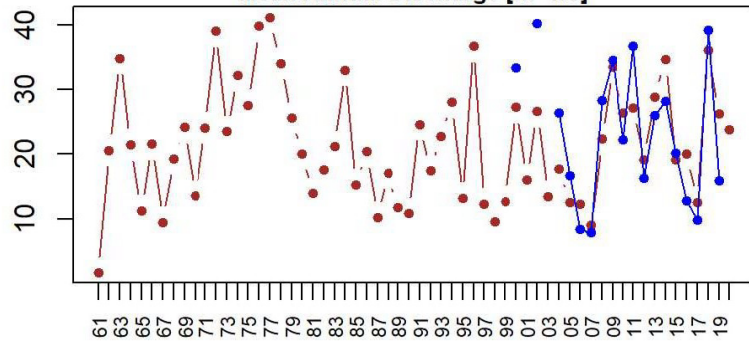




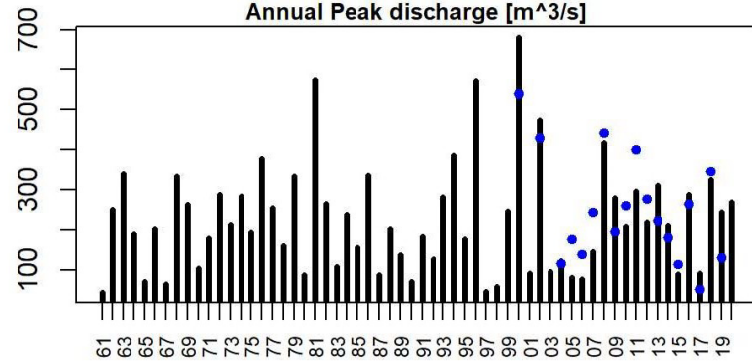
Hydrograph SDEFO [ $\text{m}^3/\text{s}$ ] / KGE= 0.827



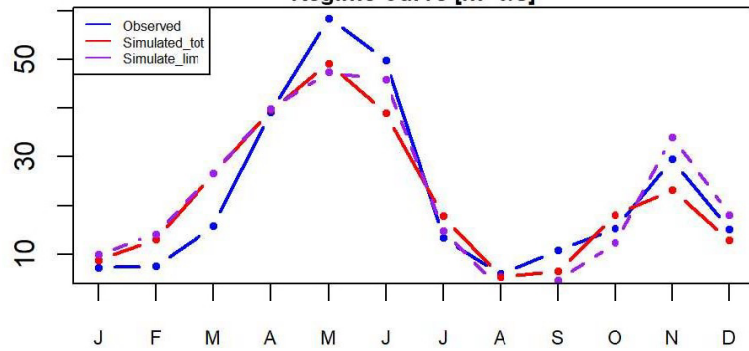
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



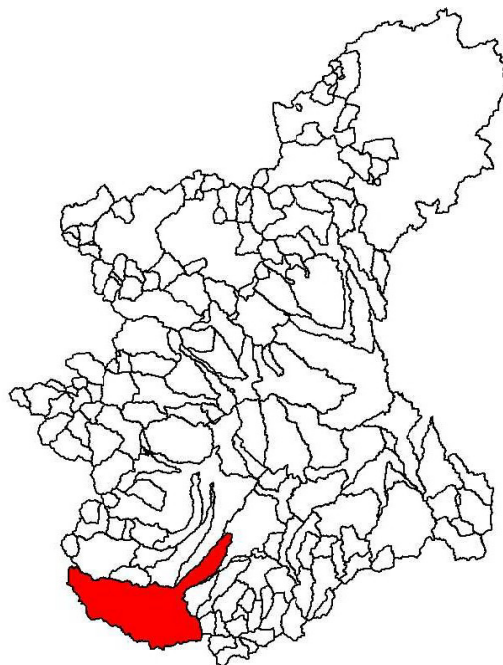
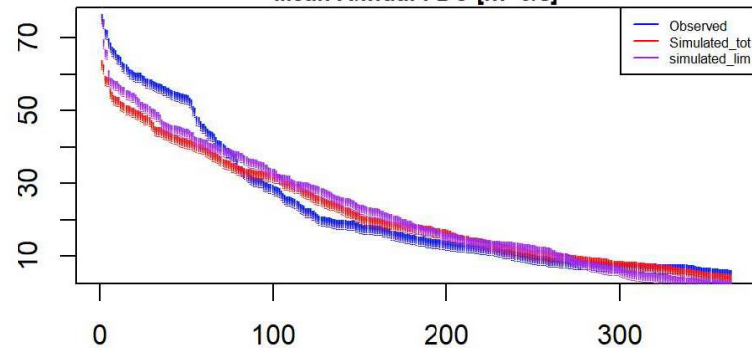
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



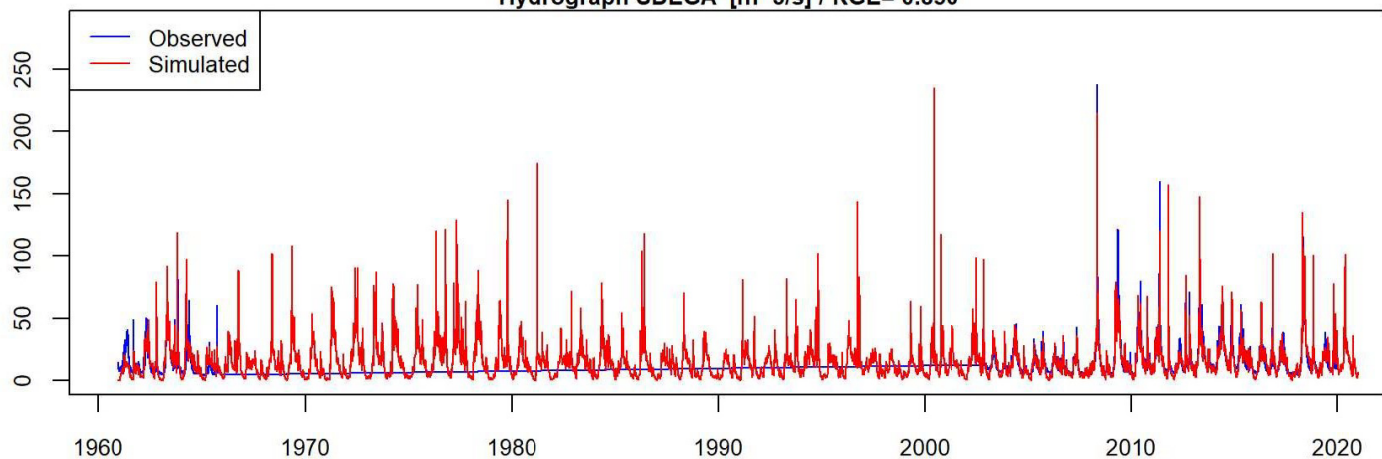
Regime Curve [ $\text{m}^3/\text{s}$ ]



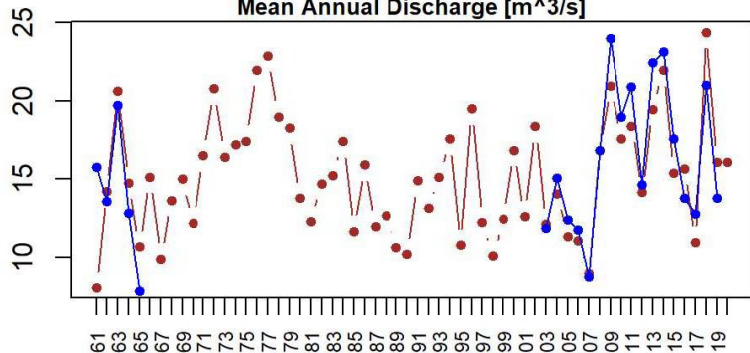
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



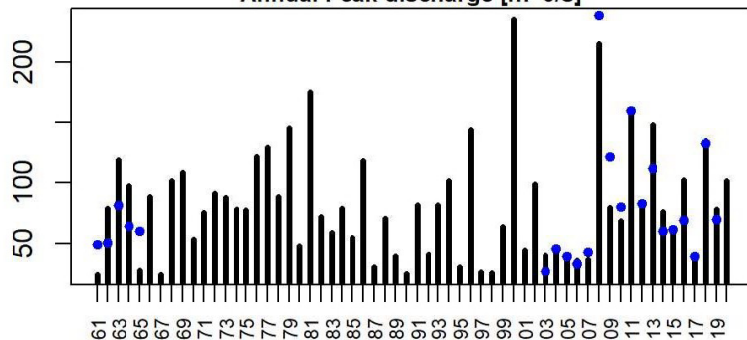
Hydrograph SDEGA [m<sup>3</sup>/s] / KGE= 0.856



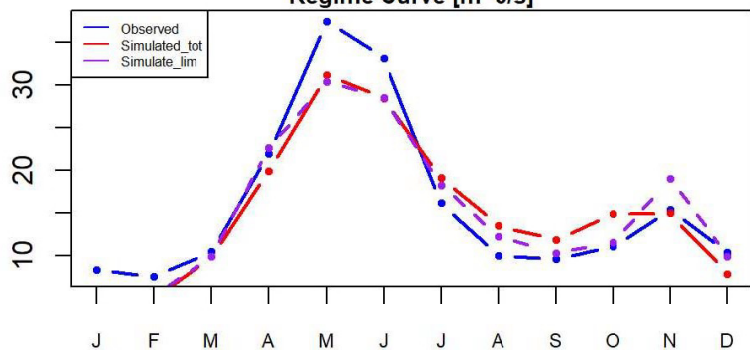
Mean Annual Discharge [m<sup>3</sup>/s]



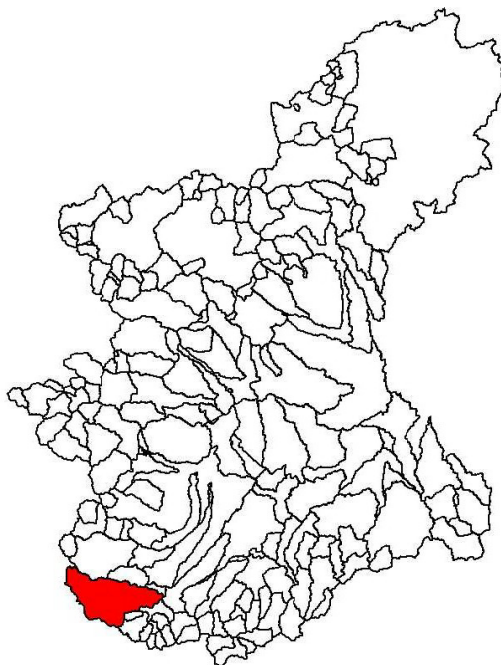
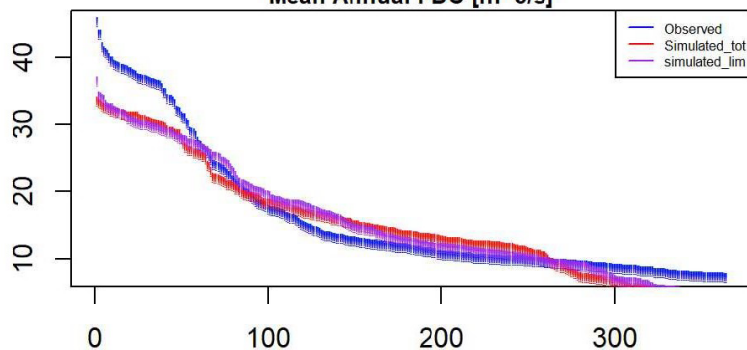
Annual Peak discharge [m<sup>3</sup>/s]



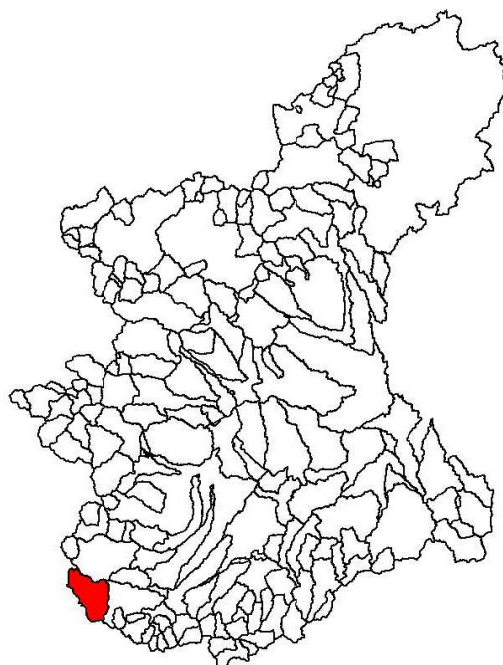
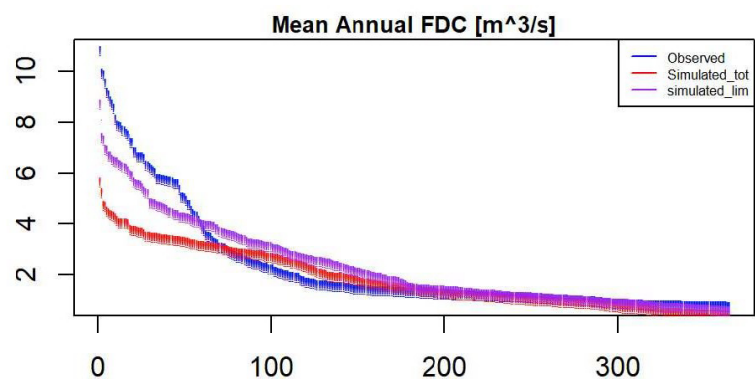
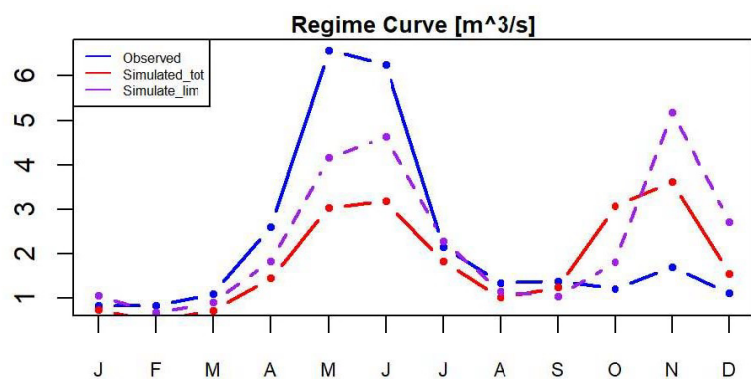
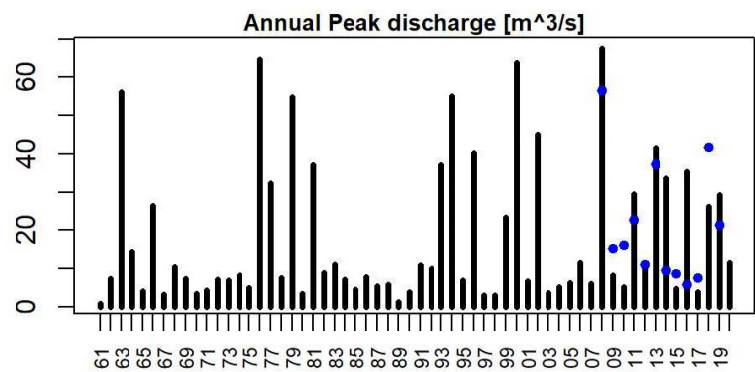
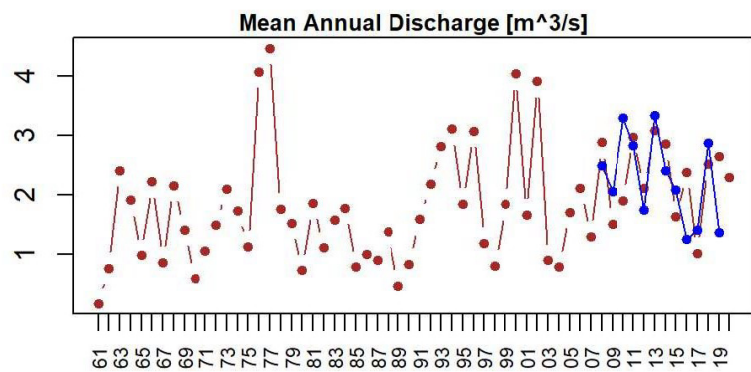
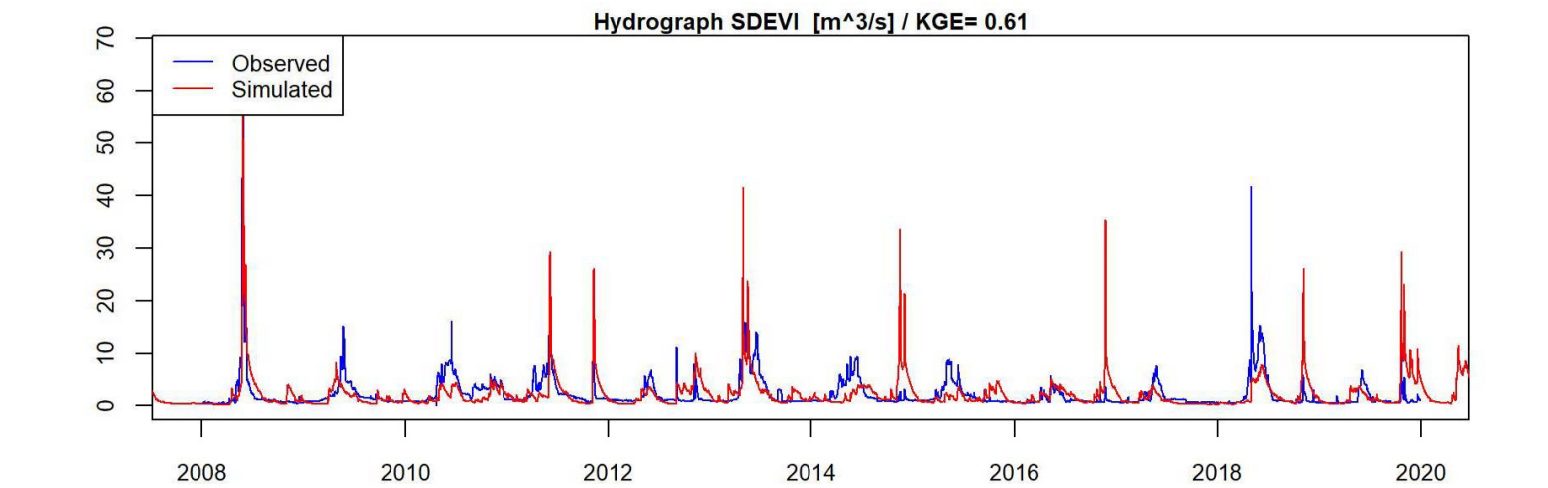
Regime Curve [m<sup>3</sup>/s]

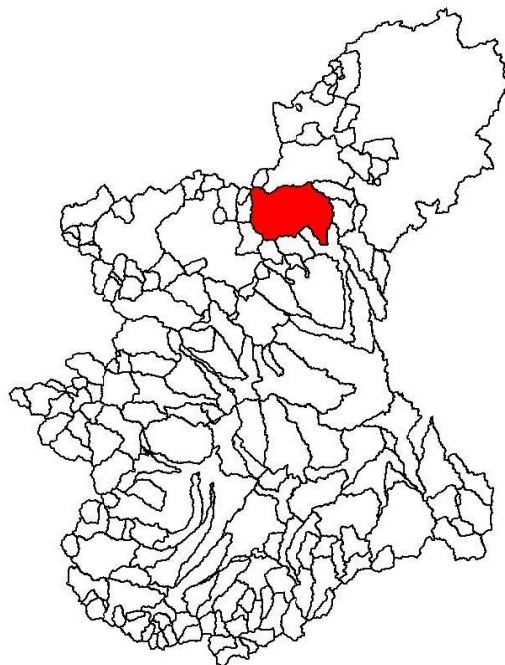
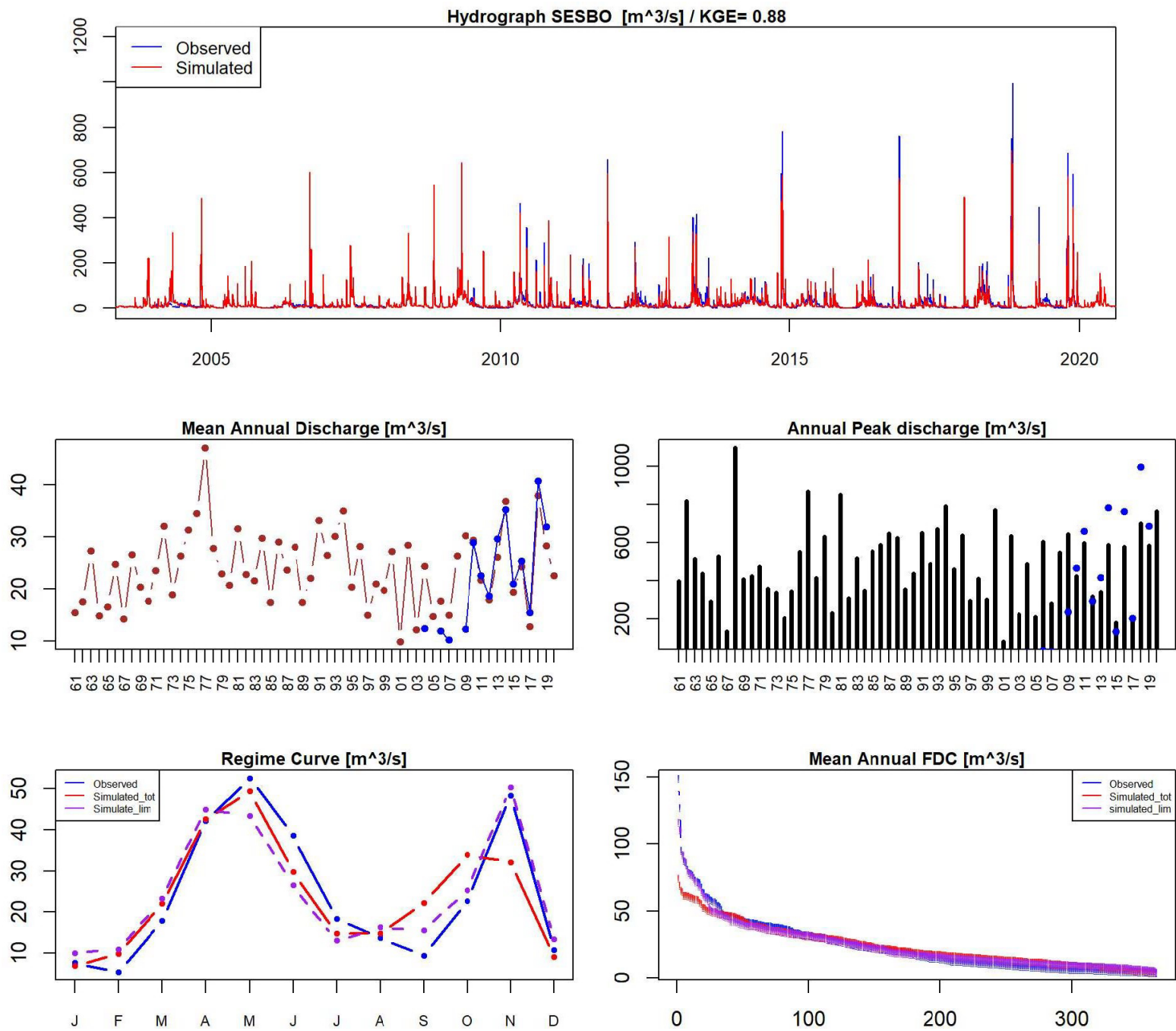


Mean Annual FDC [m<sup>3</sup>/s]

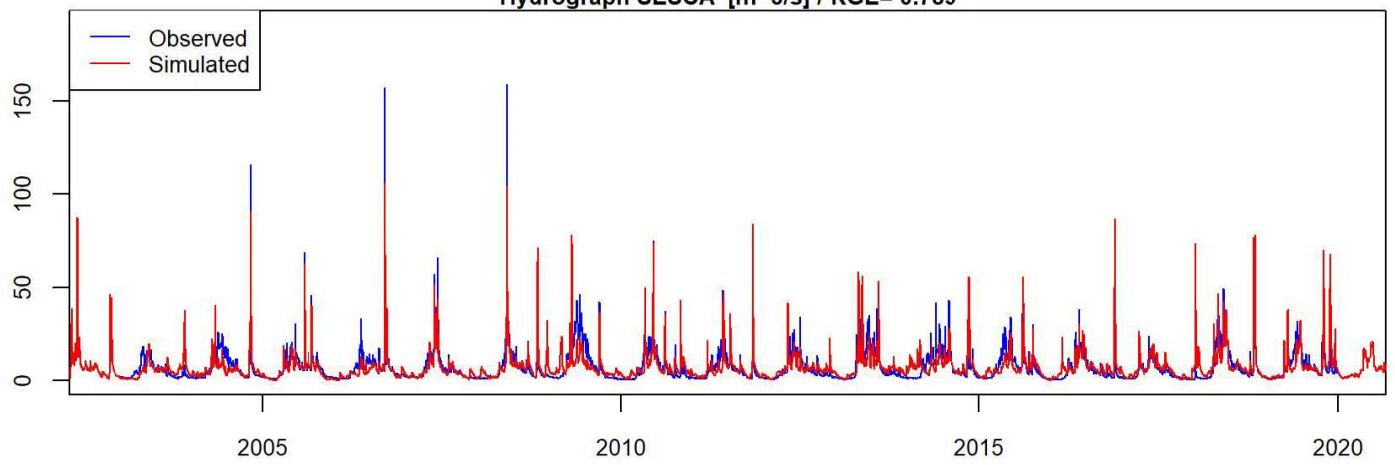




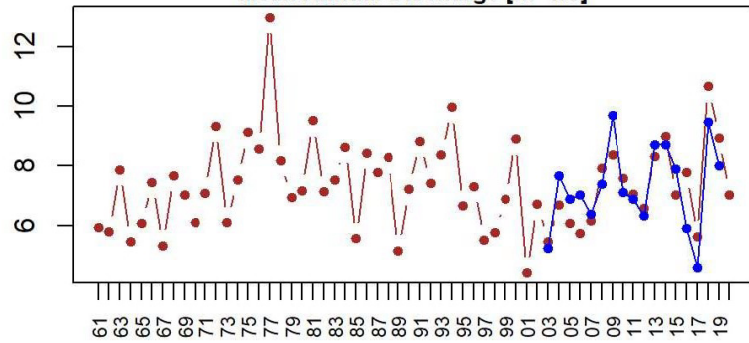




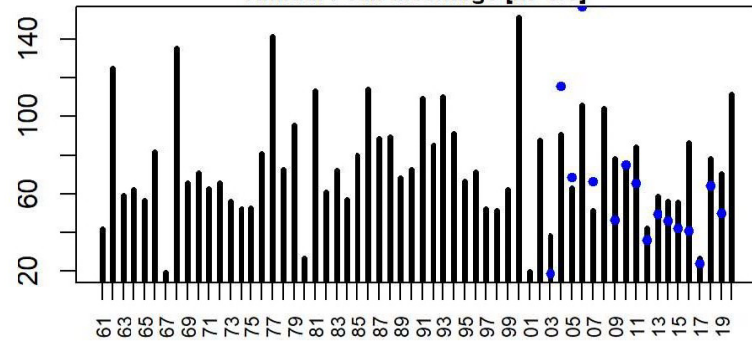
Hydrograph SESCA [m<sup>3</sup>/s] / KGE= 0.785



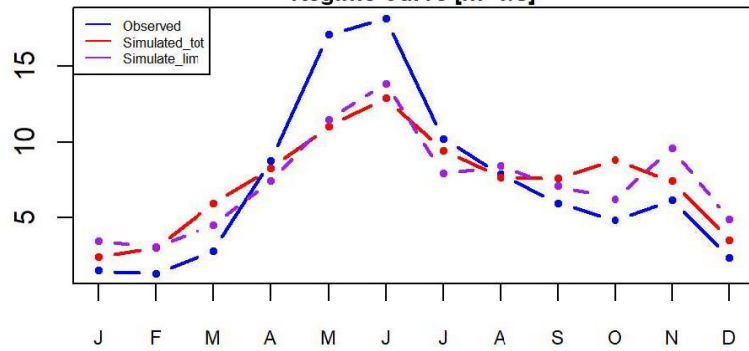
Mean Annual Discharge [m<sup>3</sup>/s]



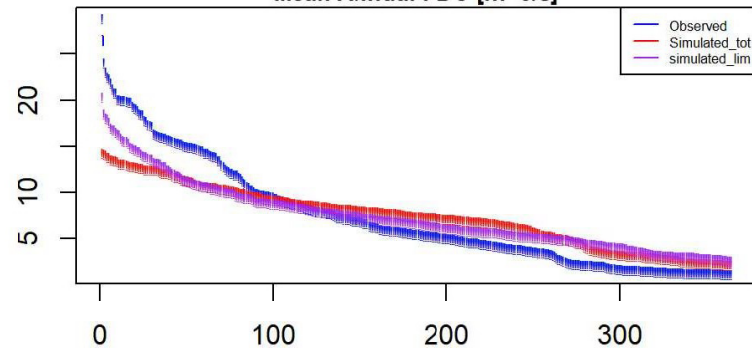
Annual Peak discharge [m<sup>3</sup>/s]



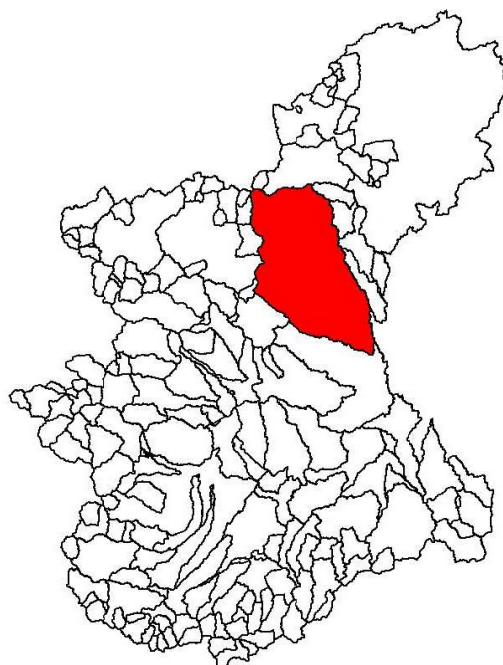
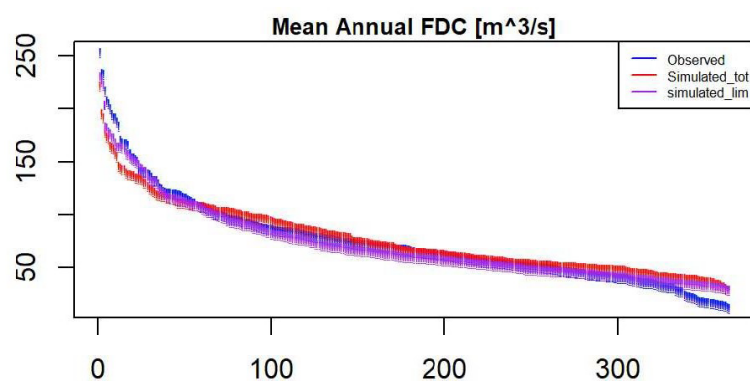
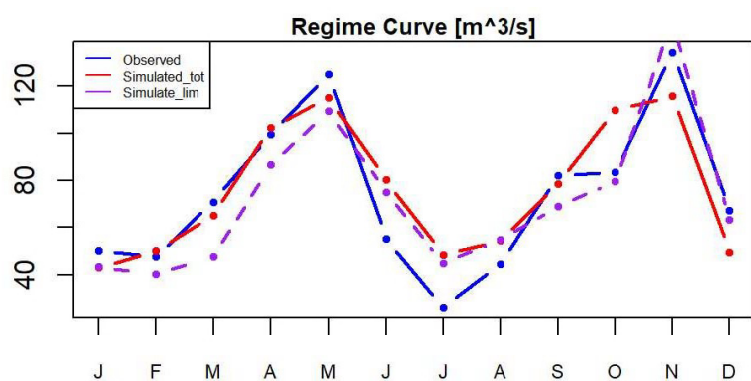
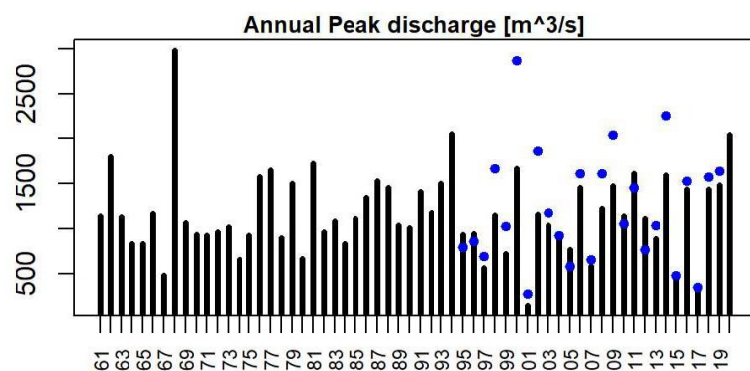
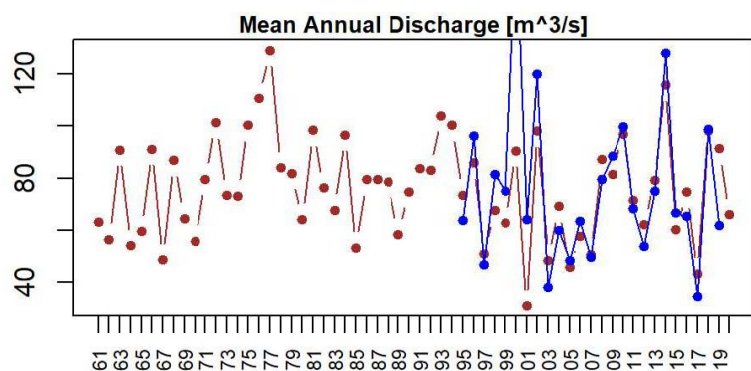
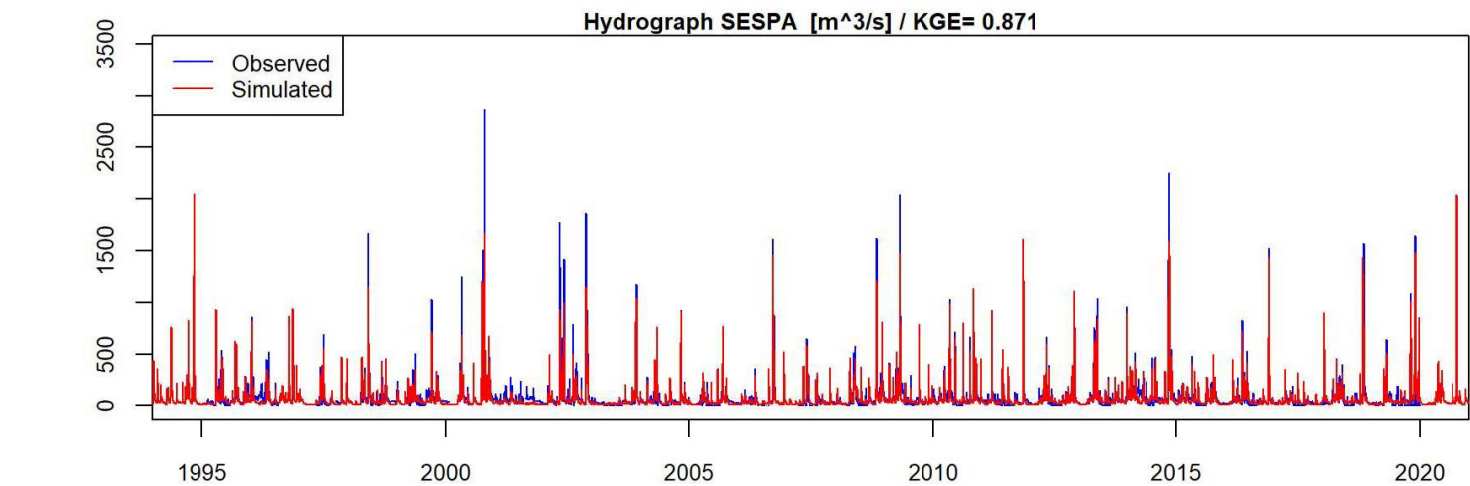
Regime Curve [m<sup>3</sup>/s]



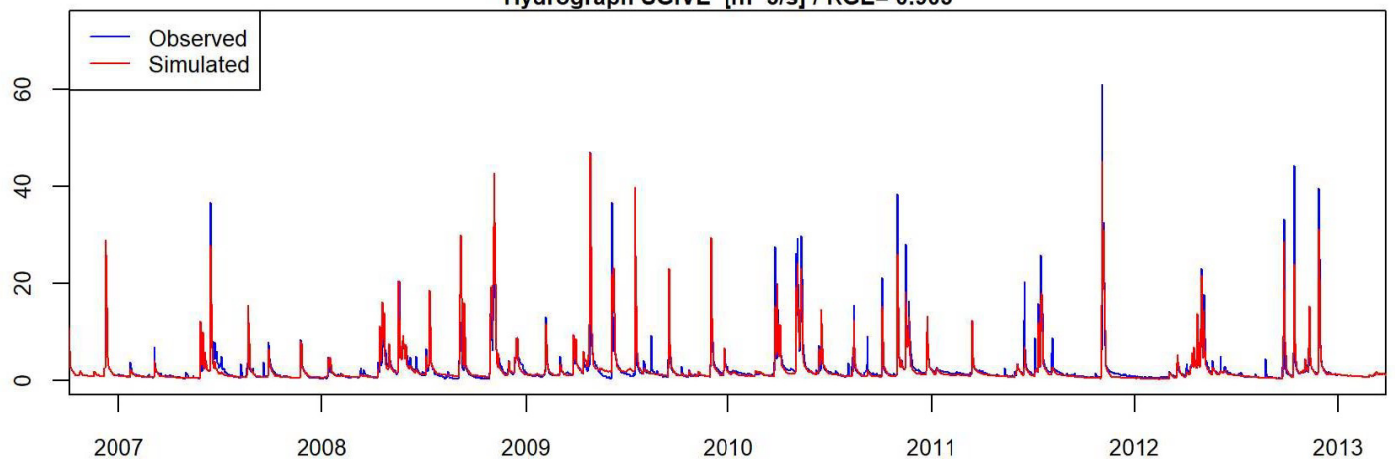
Mean Annual FDC [m<sup>3</sup>/s]



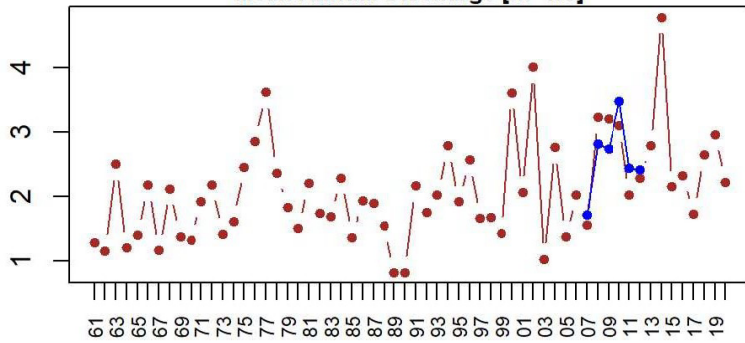




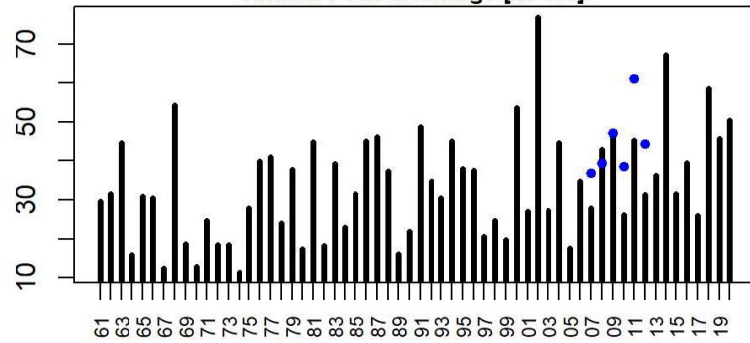
Hydrograph SGIVE [m<sup>3</sup>/s] / KGE= 0.903



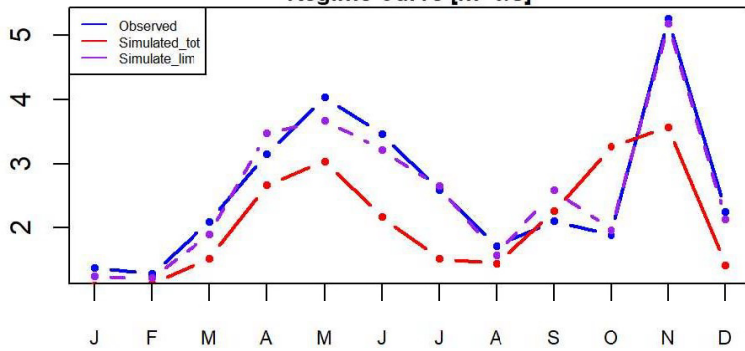
Mean Annual Discharge [m<sup>3</sup>/s]



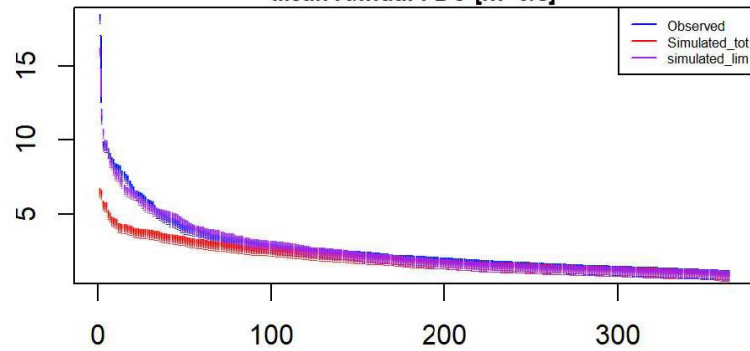
Annual Peak discharge [m<sup>3</sup>/s]

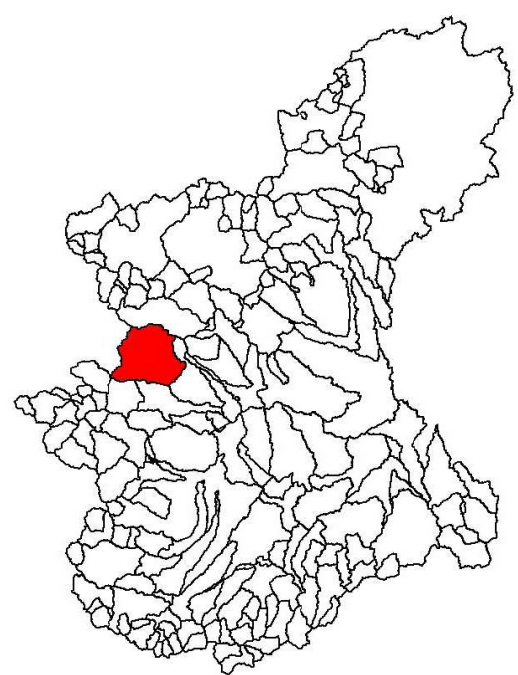
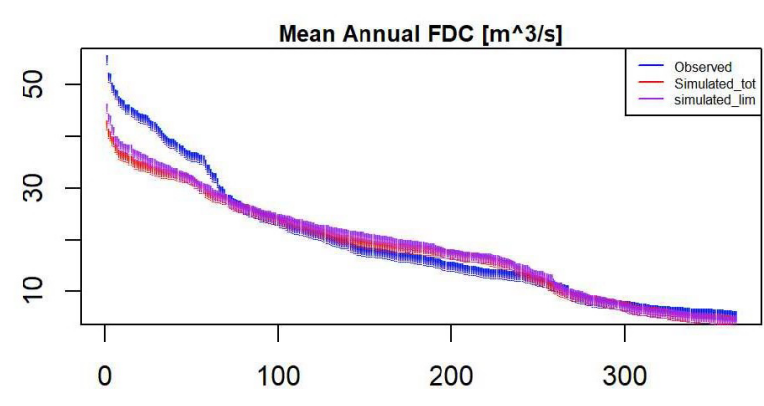
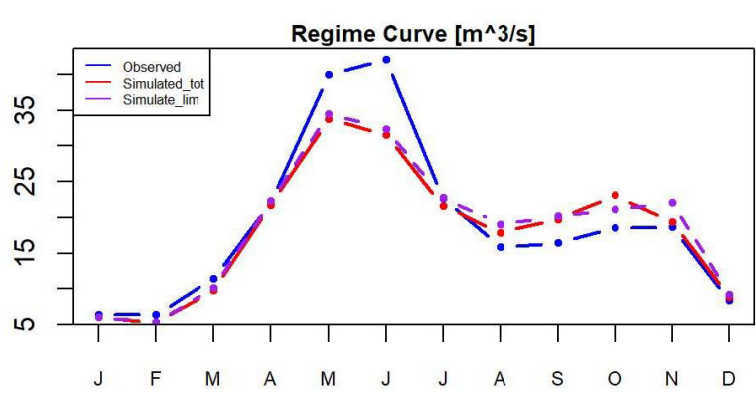
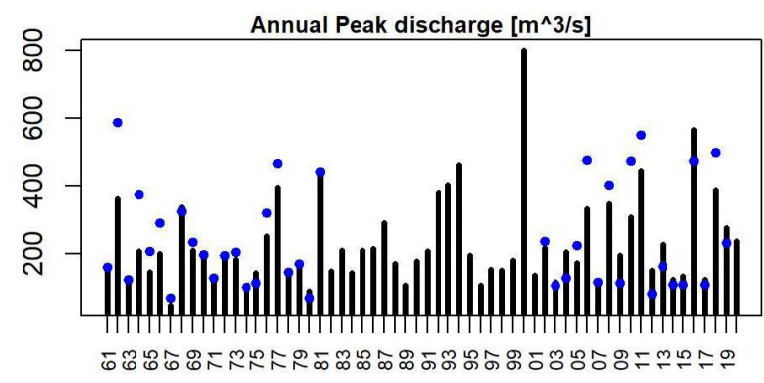
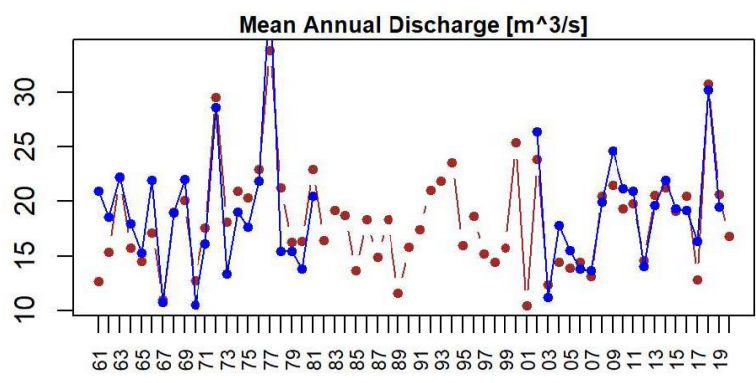
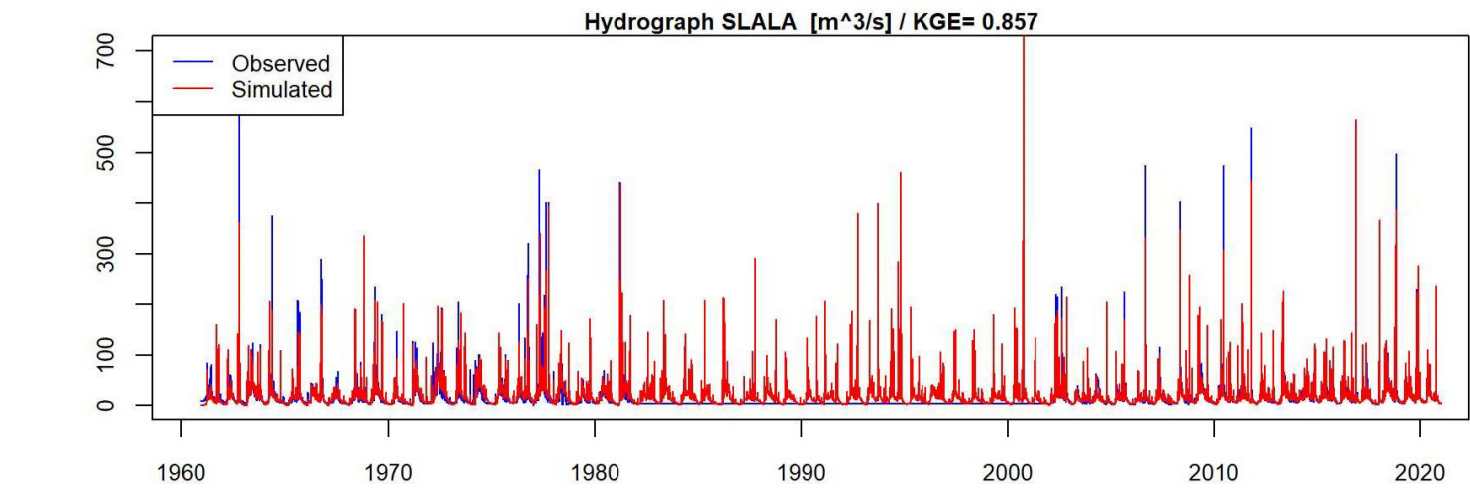


Regime Curve [m<sup>3</sup>/s]



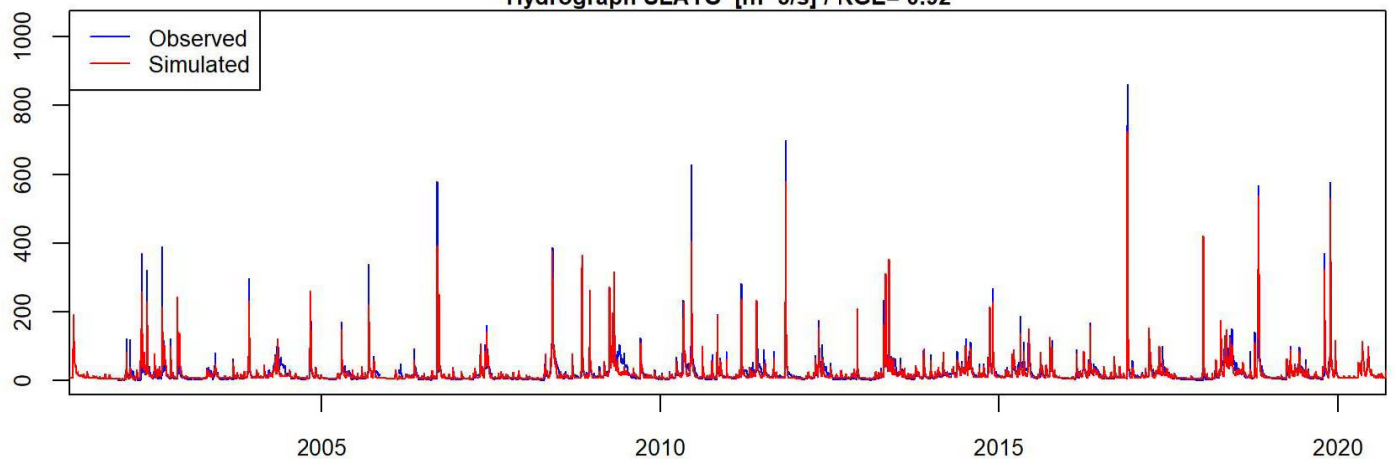
Mean Annual FDC [m<sup>3</sup>/s]



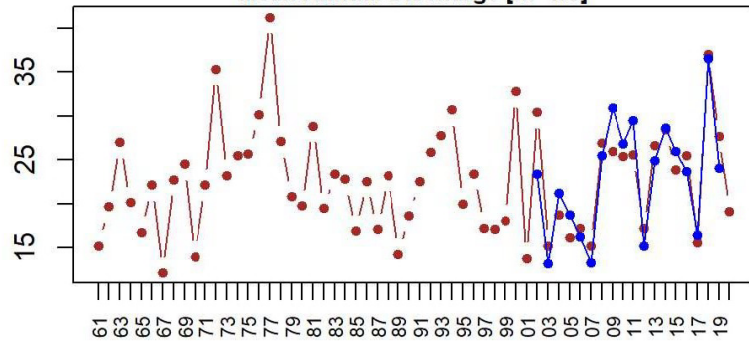




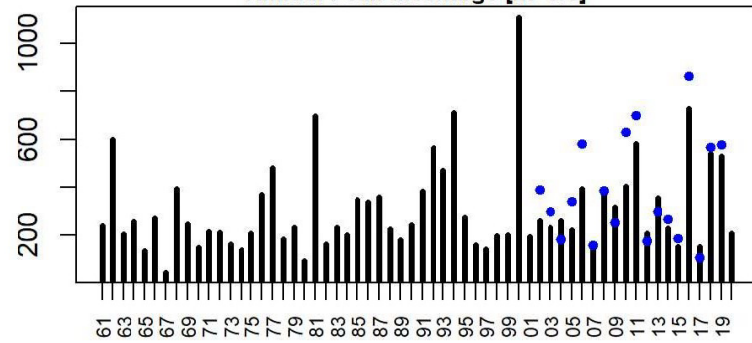
Hydrograph SLATO [ $\text{m}^3/\text{s}$ ] / KGE= 0.92



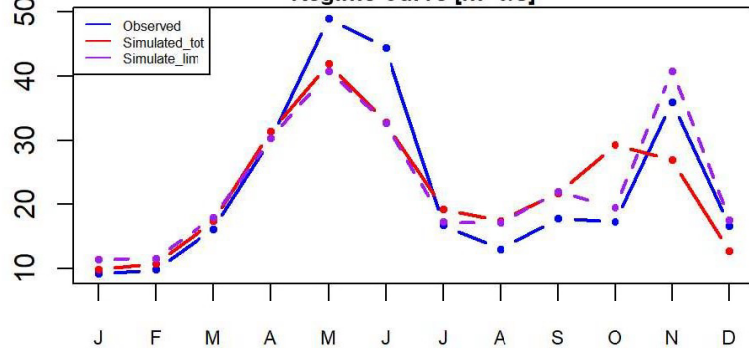
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



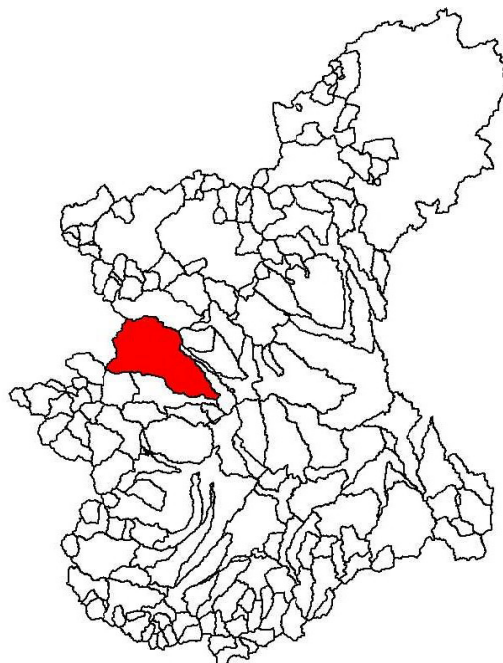
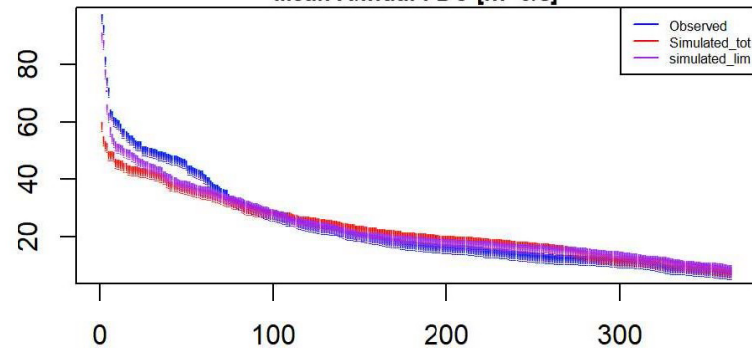
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



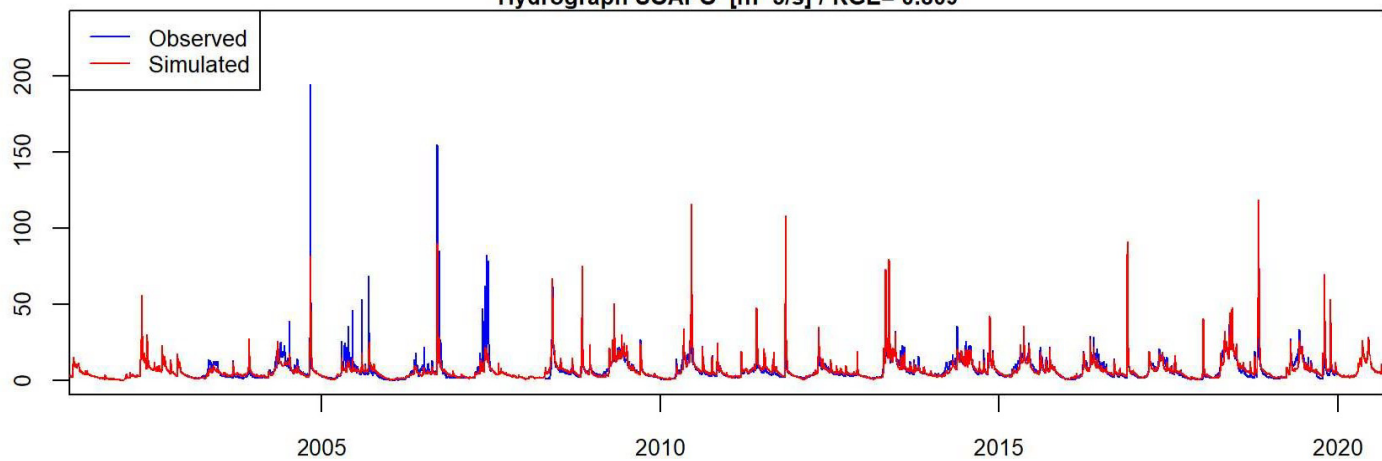
Regime Curve [ $\text{m}^3/\text{s}$ ]



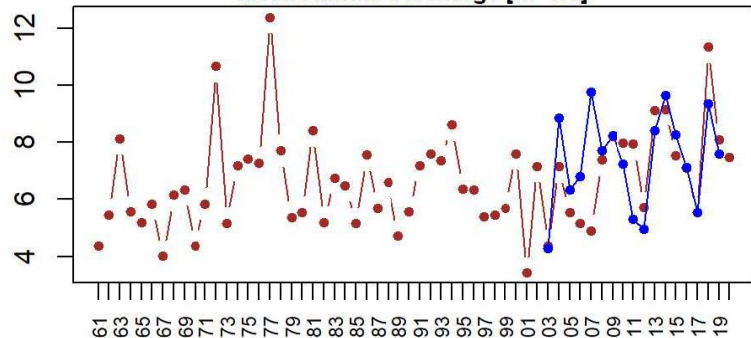
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



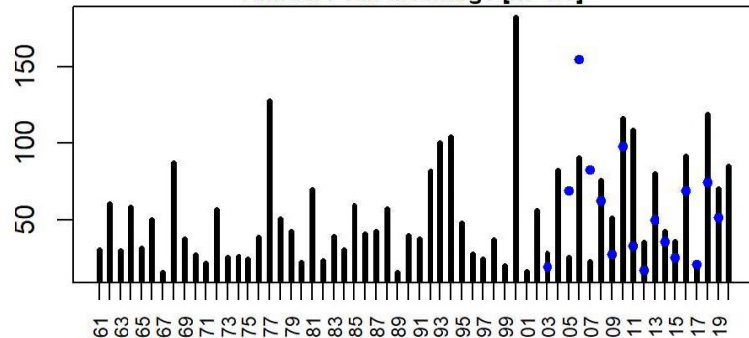
Hydrograph SOAPO [m<sup>3</sup>/s] / KGE= 0.805



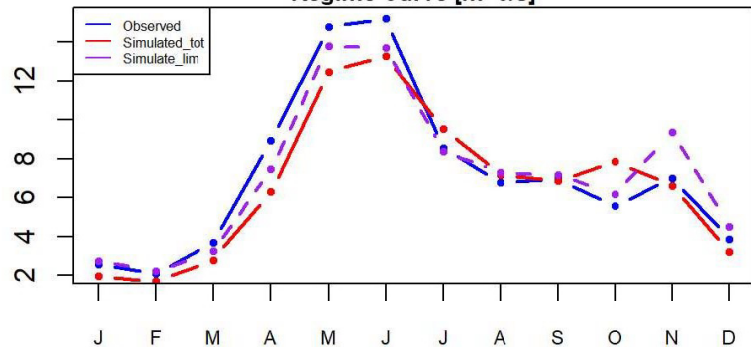
Mean Annual Discharge [m<sup>3</sup>/s]



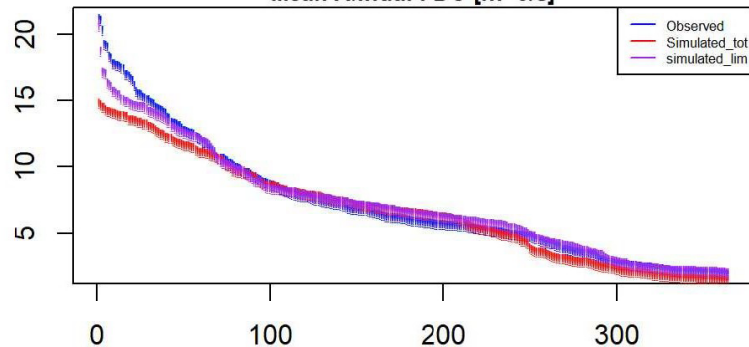
Annual Peak discharge [m<sup>3</sup>/s]



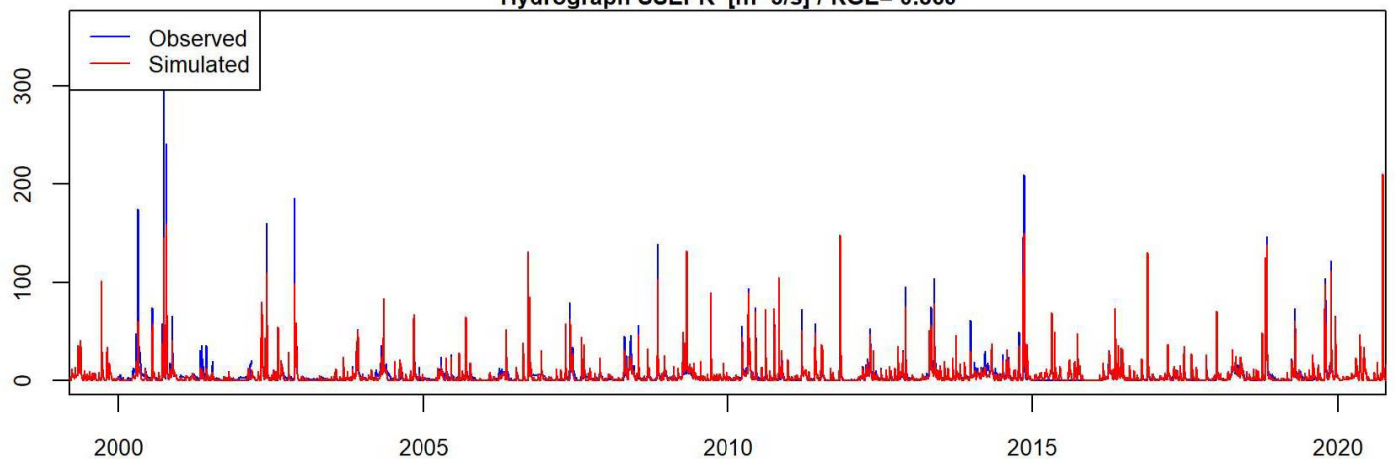
Regime Curve [m<sup>3</sup>/s]



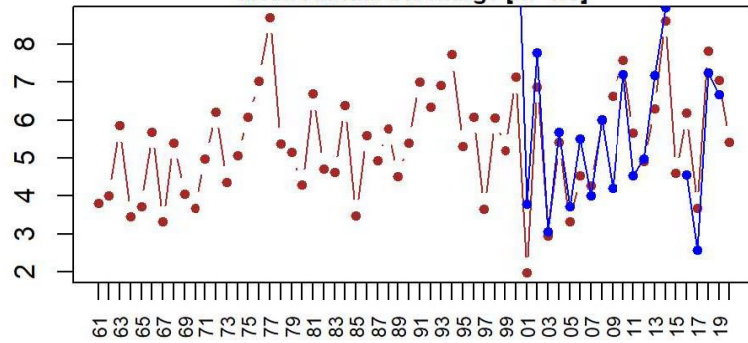
Mean Annual FDC [m<sup>3</sup>/s]



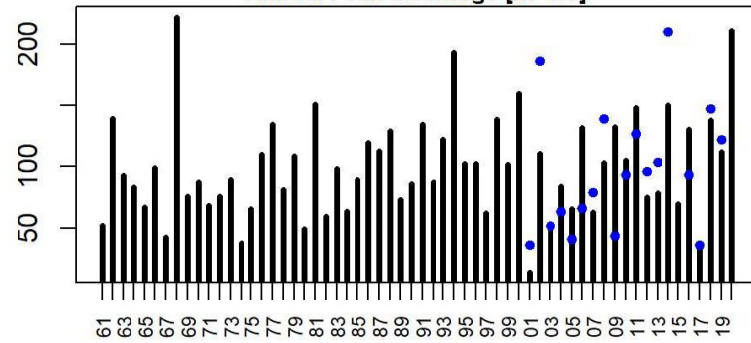
Hydrograph SSEPR [ $\text{m}^3/\text{s}$ ] / KGE= 0.868



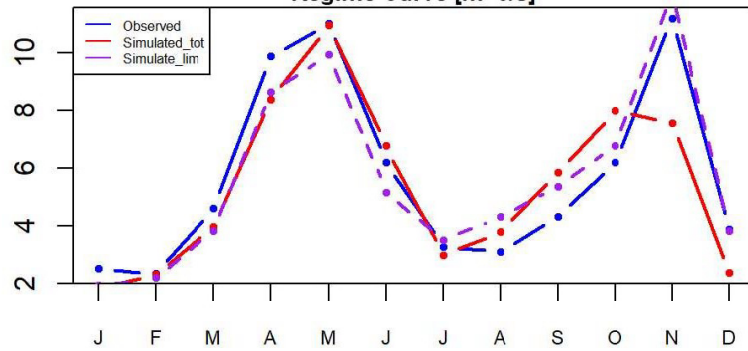
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



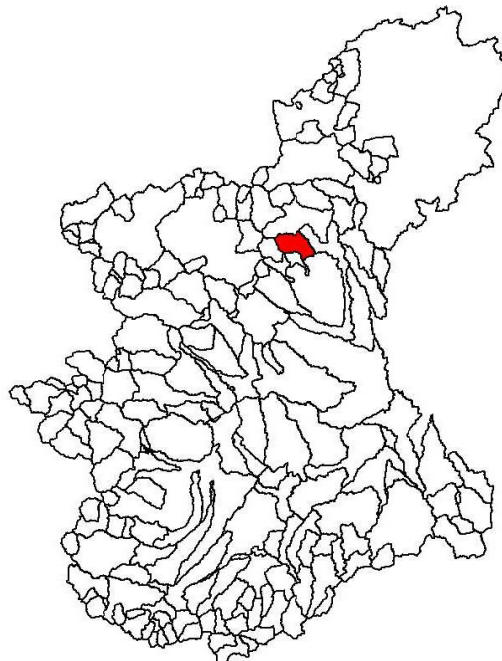
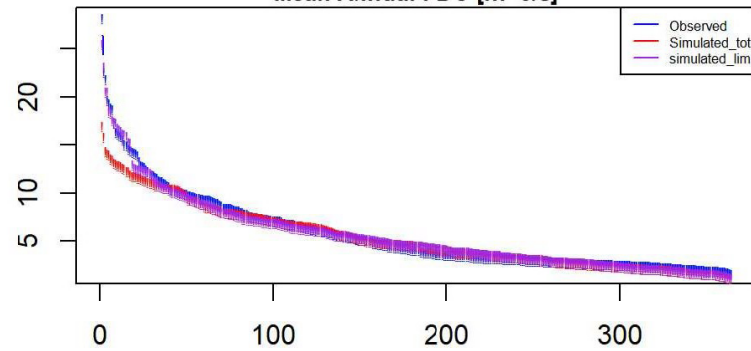
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

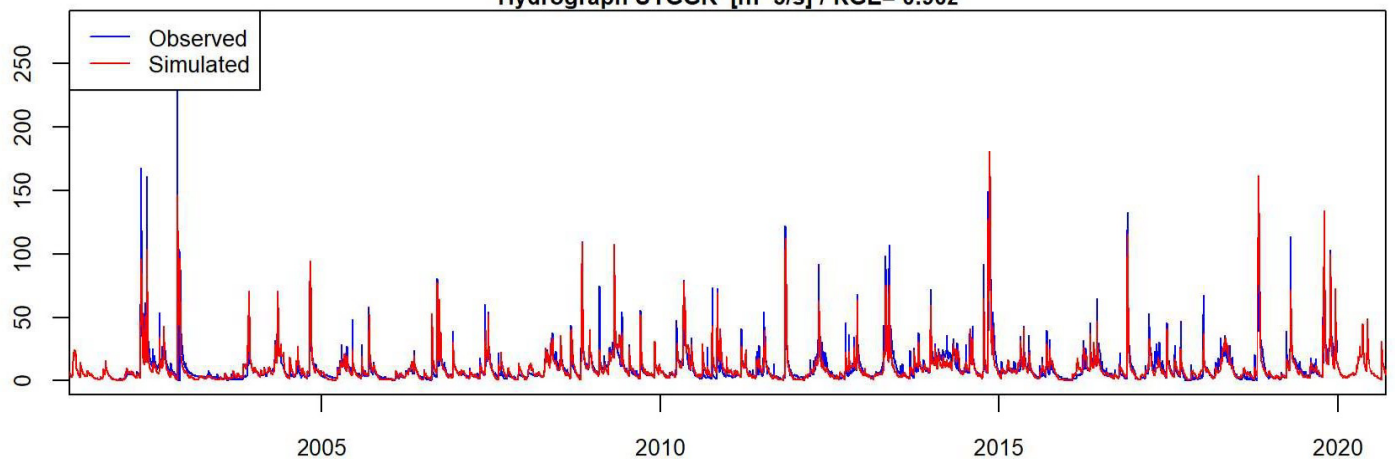


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

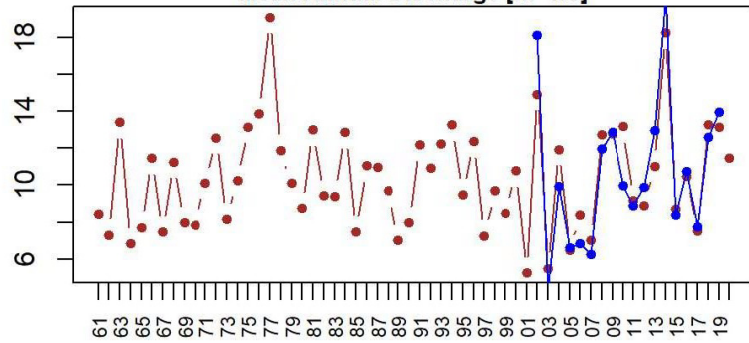




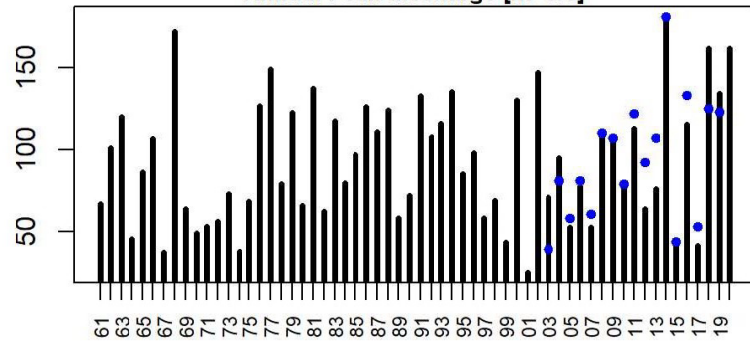
Hydrograph STGGR [ $\text{m}^3/\text{s}$ ] / KGE= 0.902



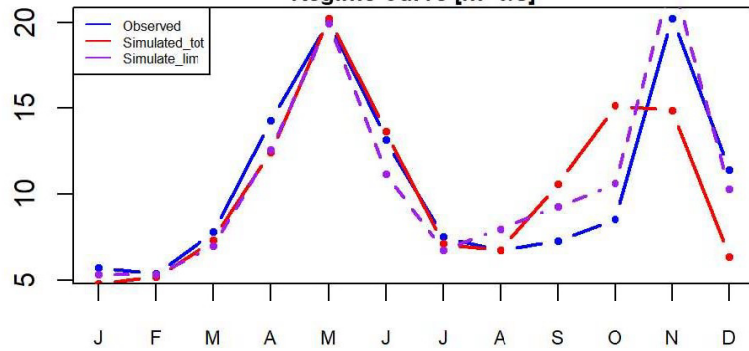
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



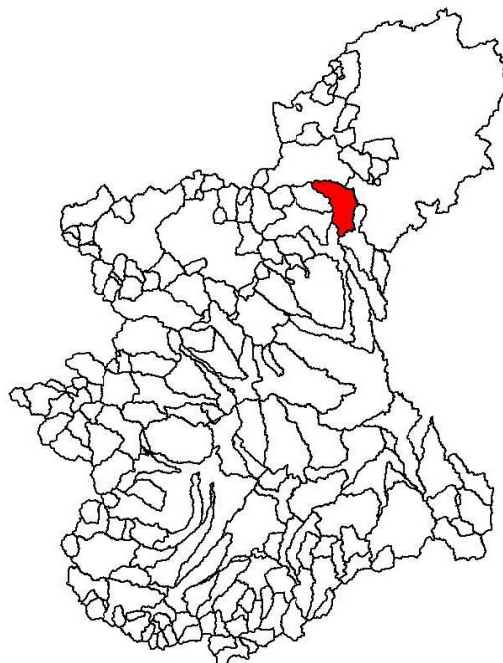
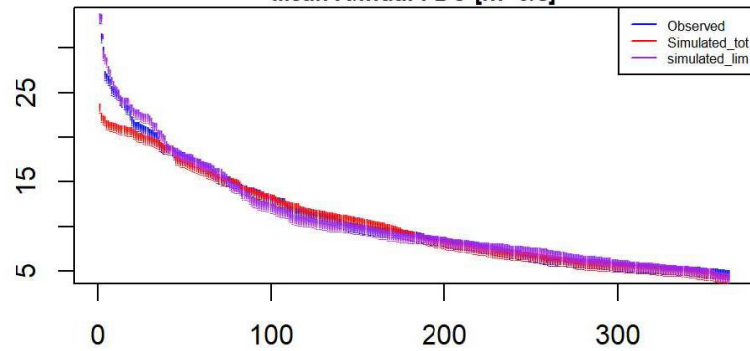
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]

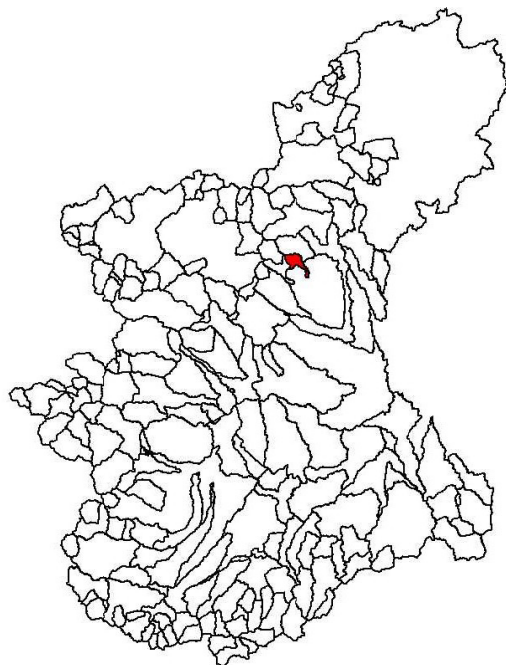
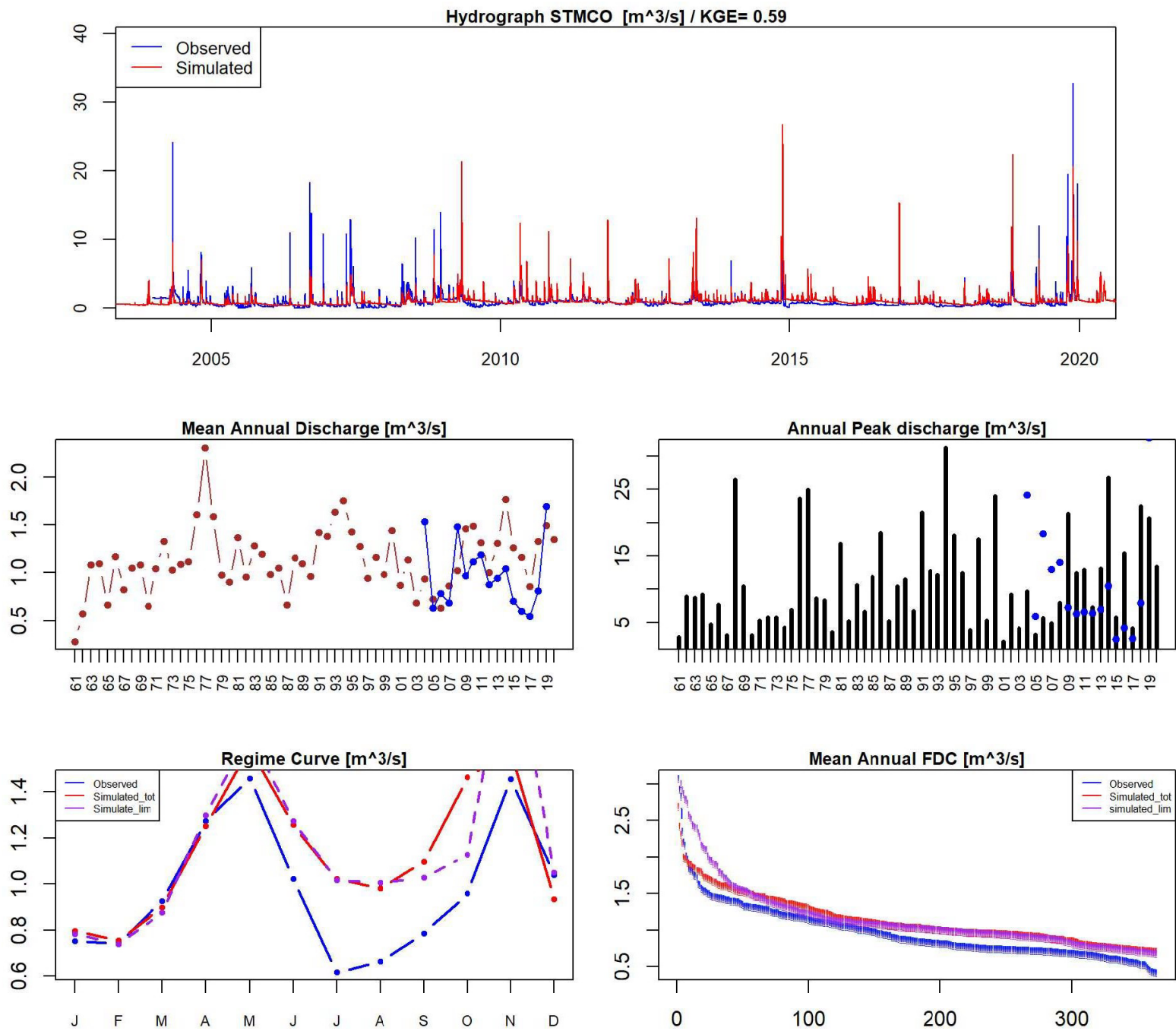


Regime Curve [ $\text{m}^3/\text{s}$ ]

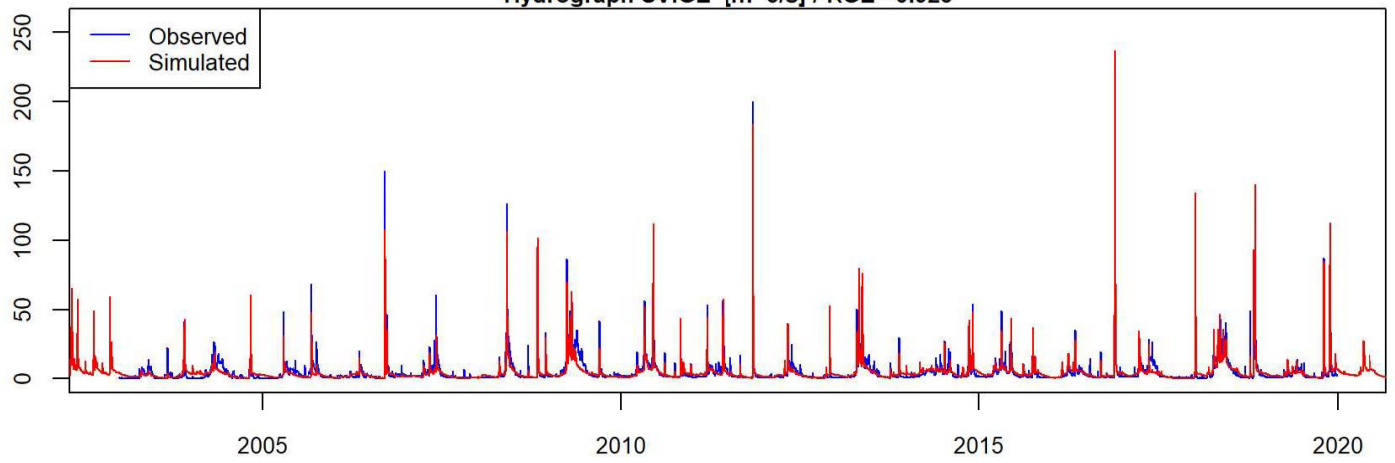


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

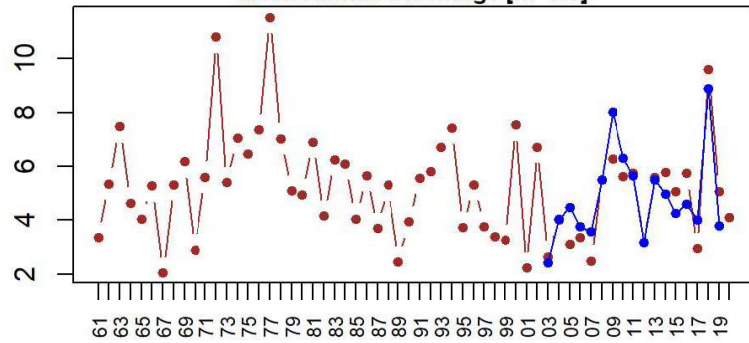




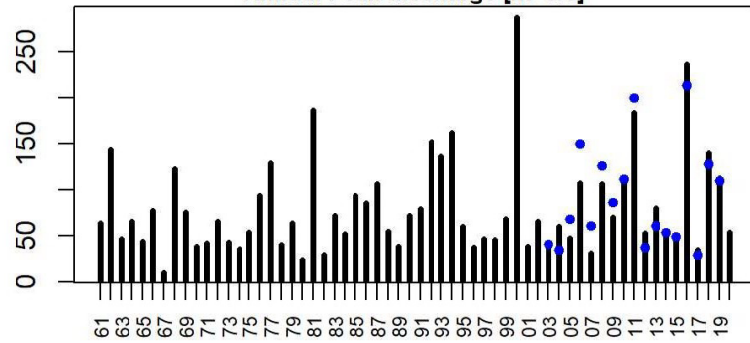
Hydrograph SVIGE [m<sup>3</sup>/s] / KGE= 0.923



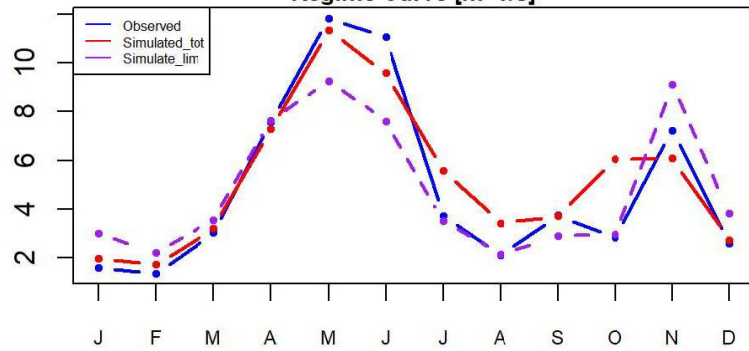
Mean Annual Discharge [m<sup>3</sup>/s]



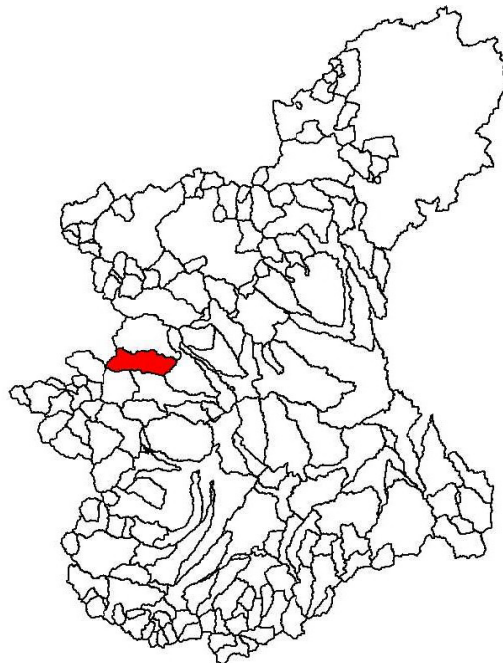
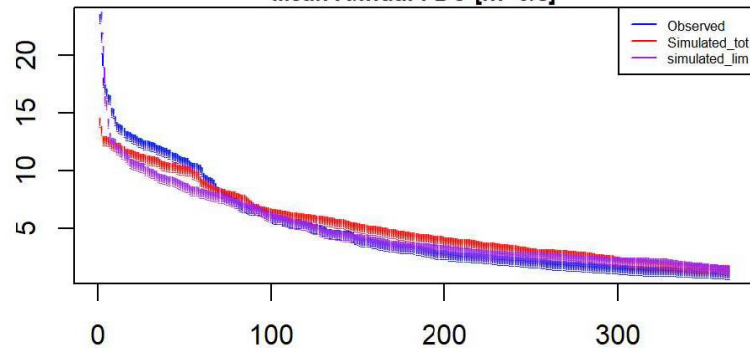
Annual Peak discharge [m<sup>3</sup>/s]



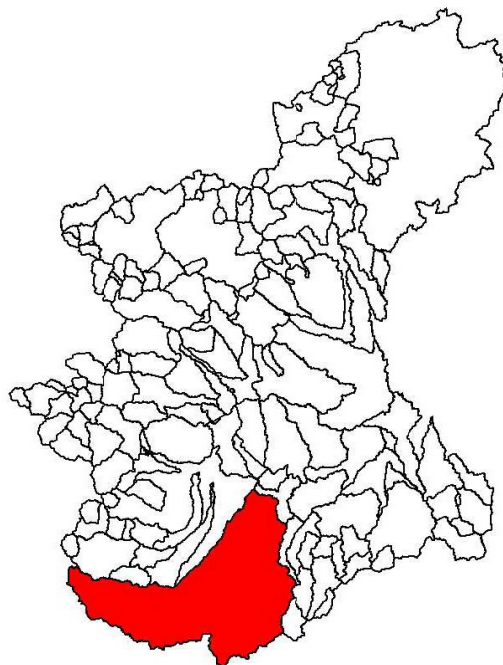
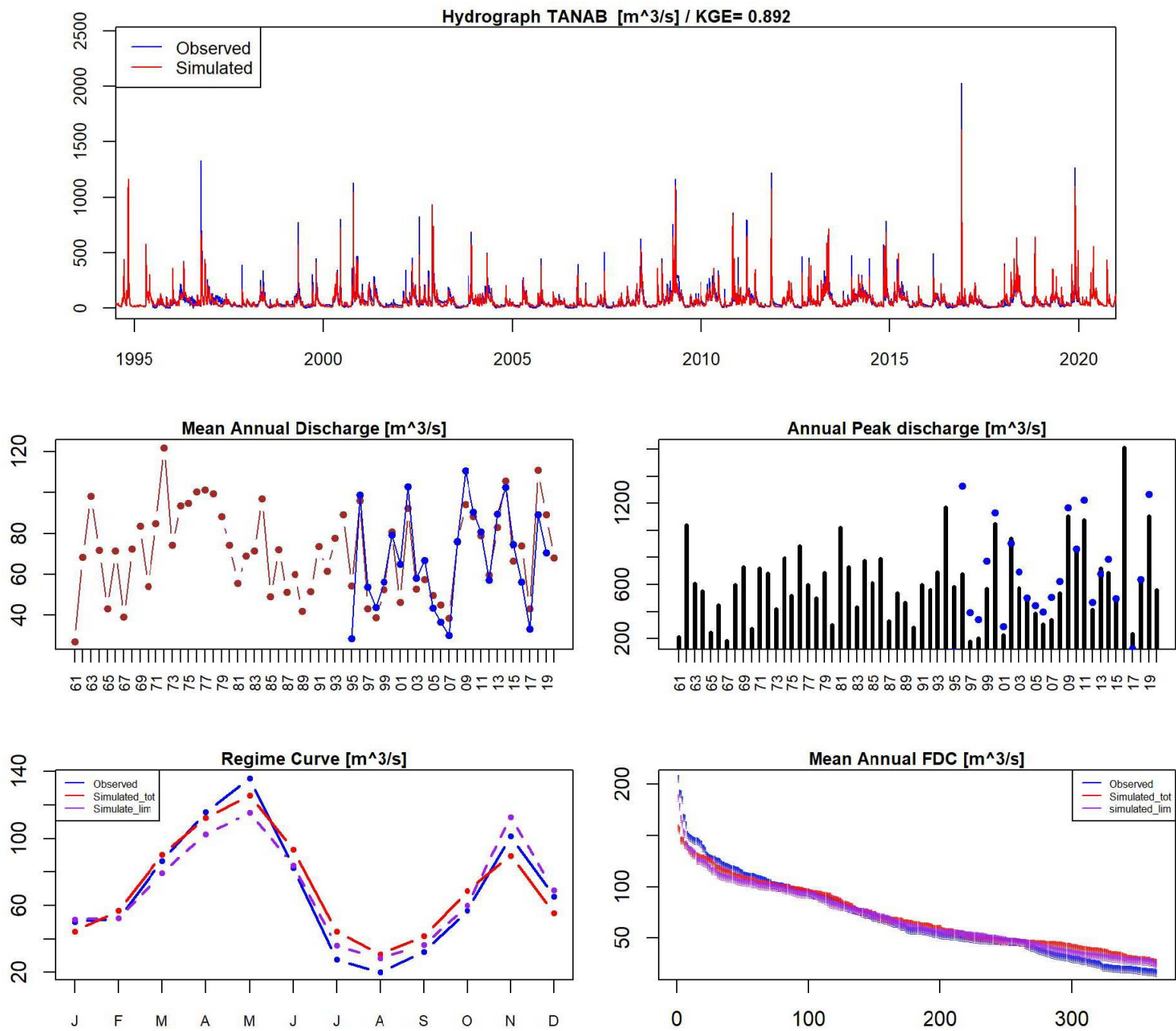
Regime Curve [m<sup>3</sup>/s]



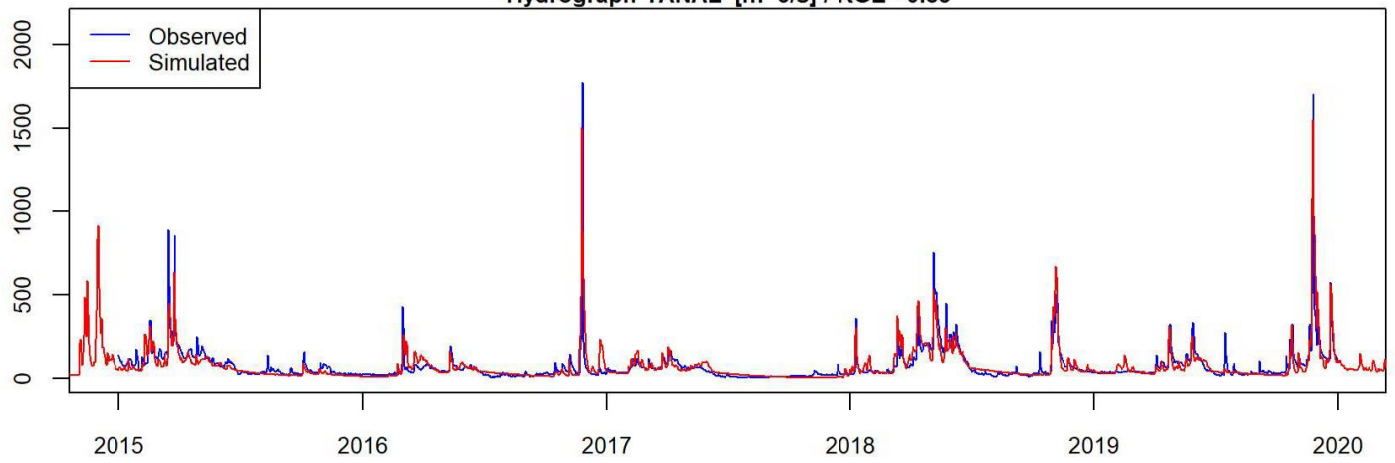
Mean Annual FDC [m<sup>3</sup>/s]



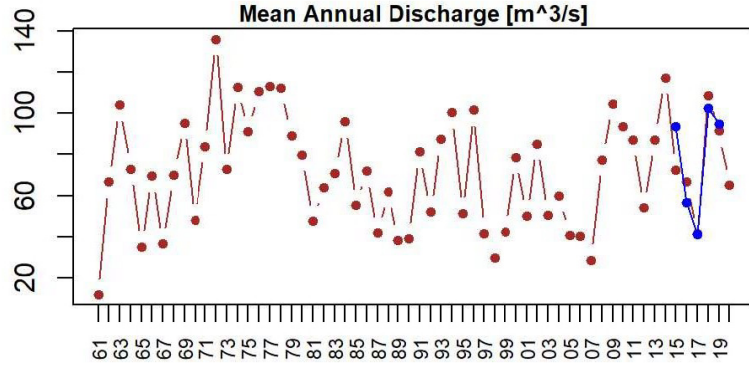




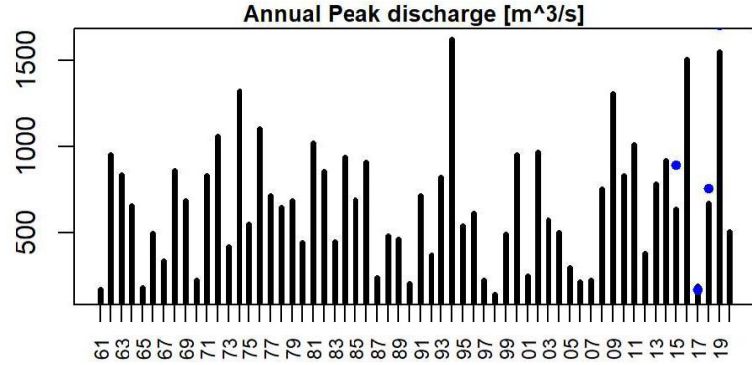
Hydrograph TANAL [ $\text{m}^3/\text{s}$ ] / KGE= 0.85



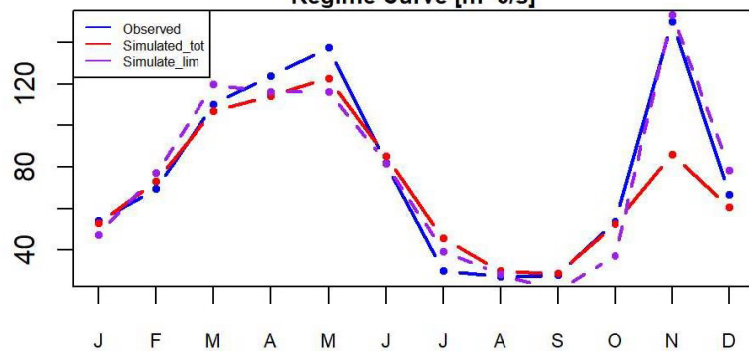
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



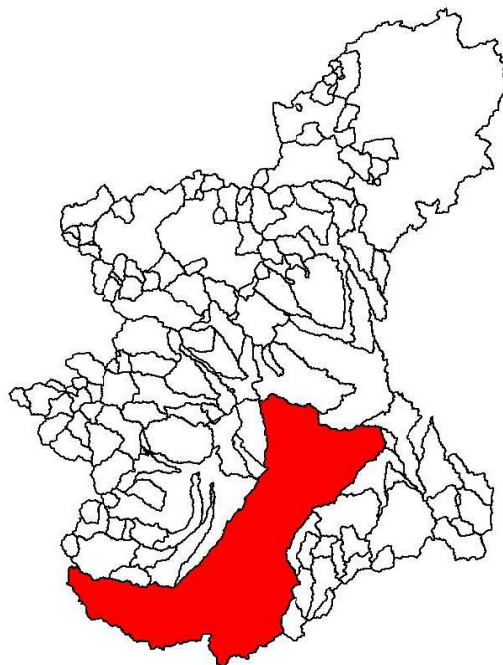
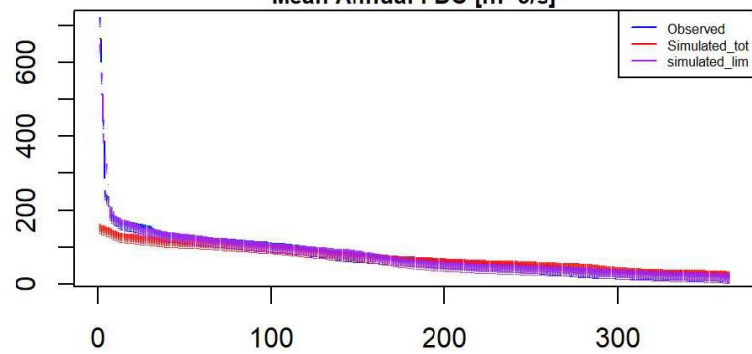
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



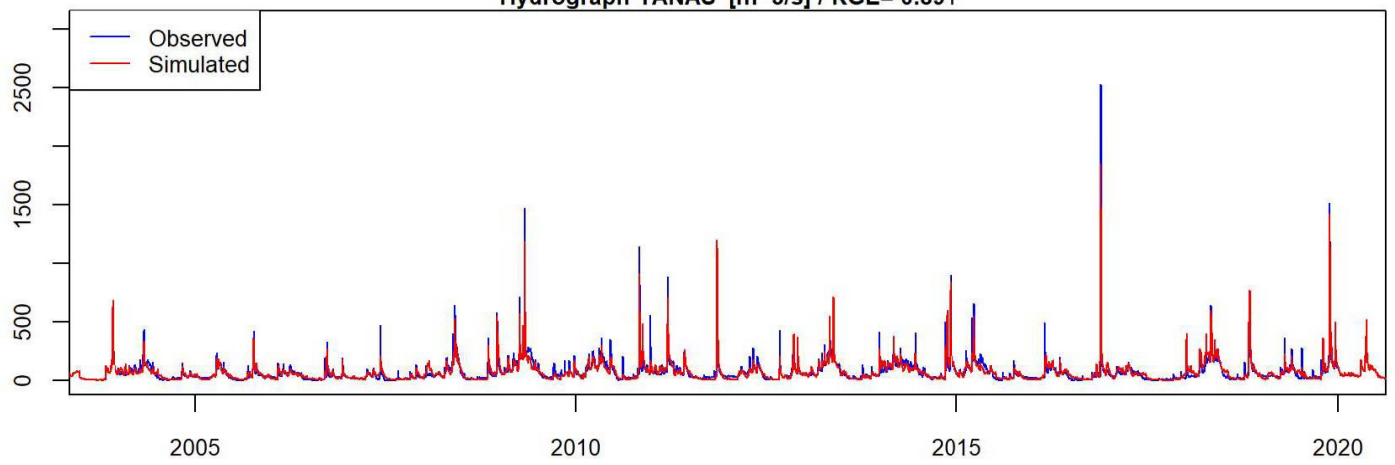
Regime Curve [ $\text{m}^3/\text{s}$ ]



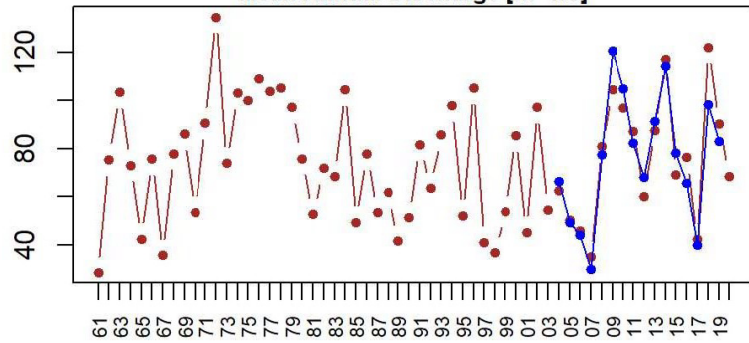
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



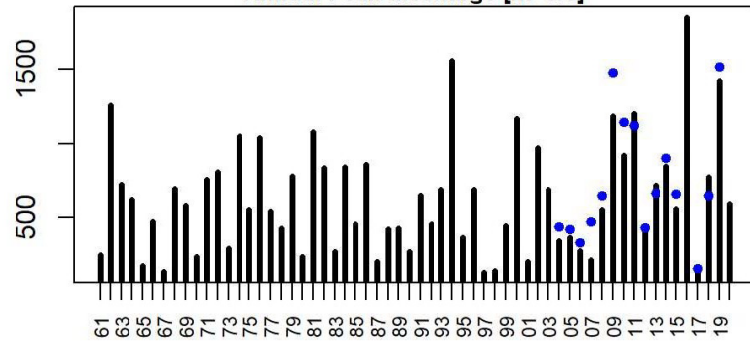
Hydrograph TANAS [m<sup>3</sup>/s] / KGE= 0.891



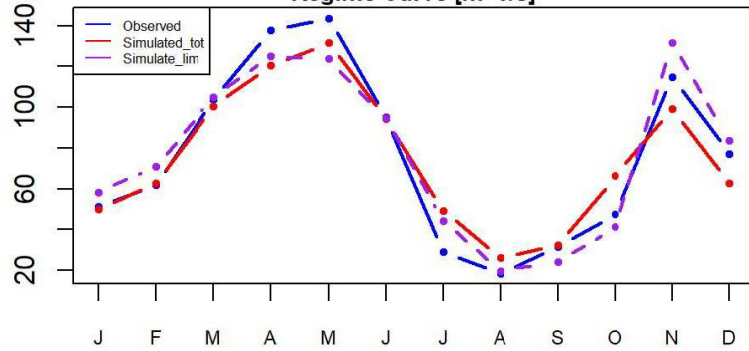
Mean Annual Discharge [m<sup>3</sup>/s]



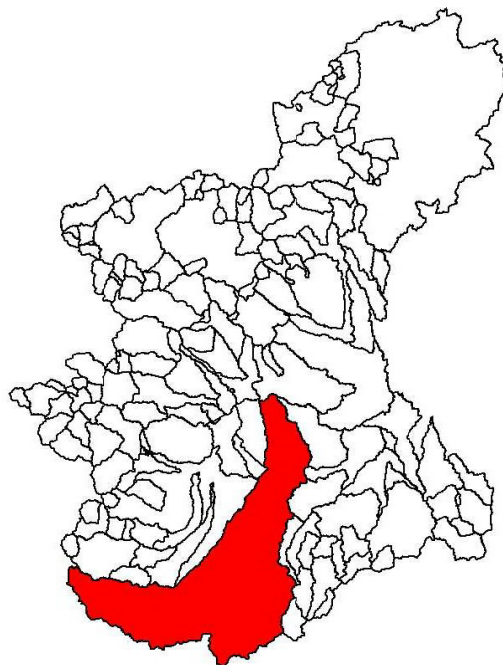
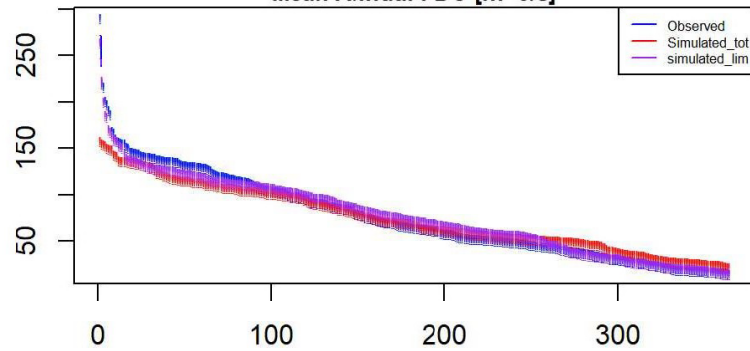
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

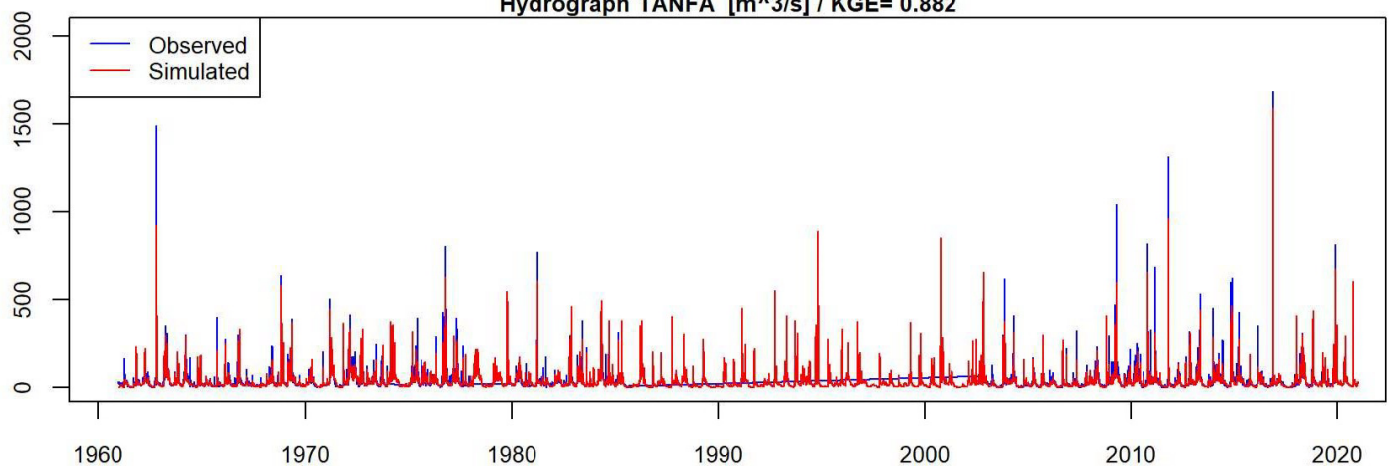


Mean Annual FDC [m<sup>3</sup>/s]

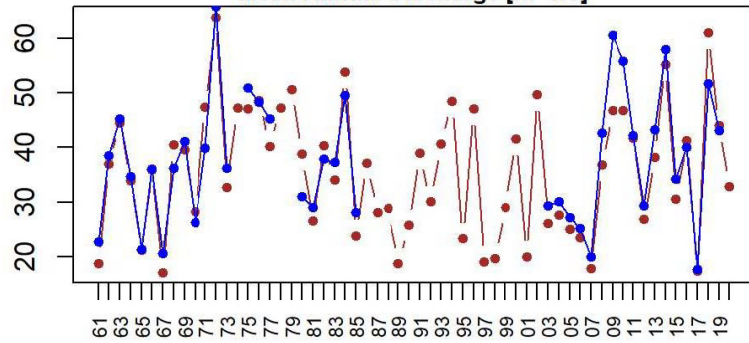




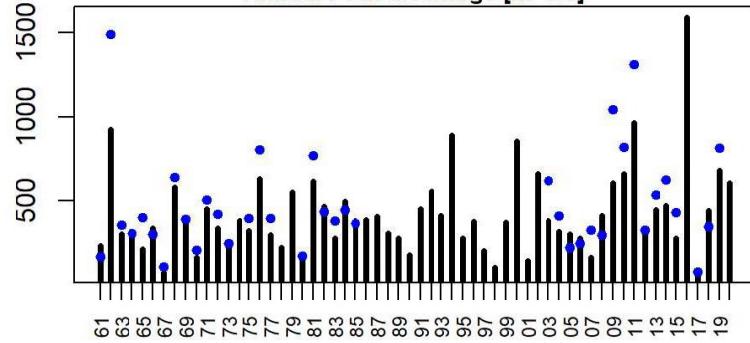
Hydrograph TANFA [m<sup>3</sup>/s] / KGE= 0.882



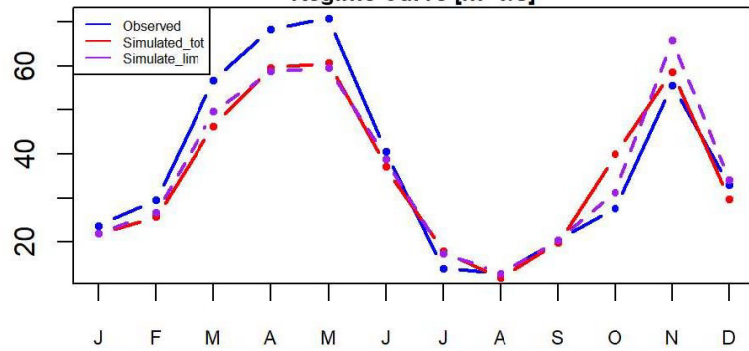
Mean Annual Discharge [m<sup>3</sup>/s]



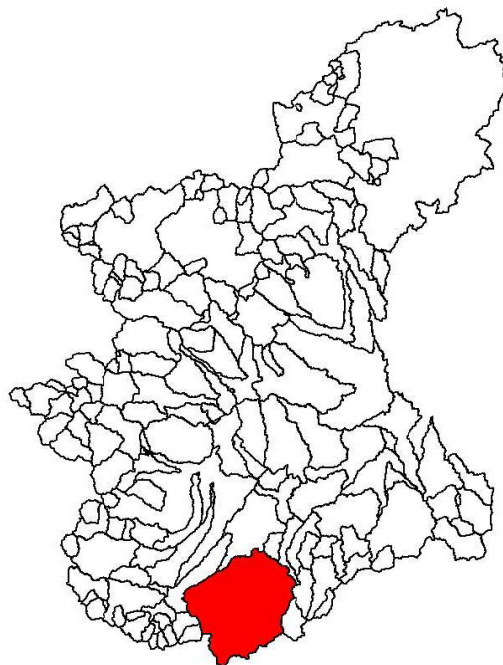
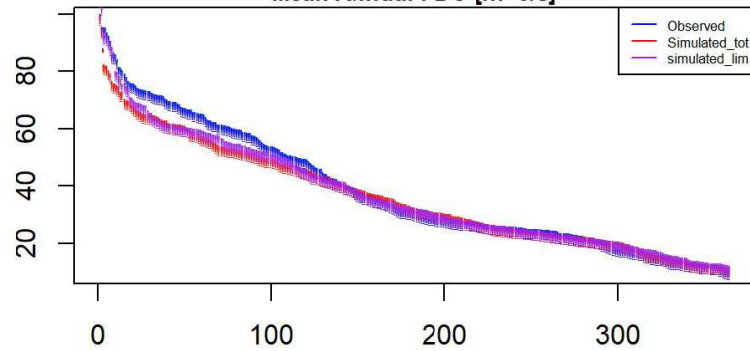
Annual Peak discharge [m<sup>3</sup>/s]

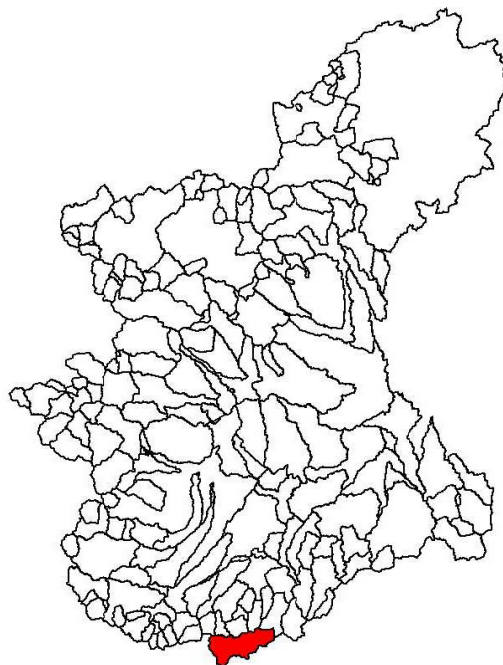
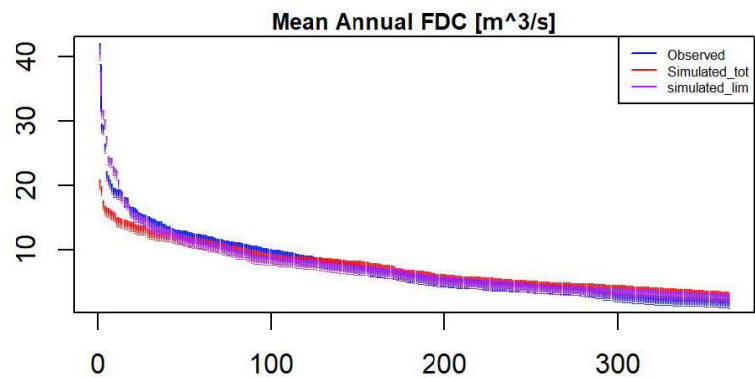
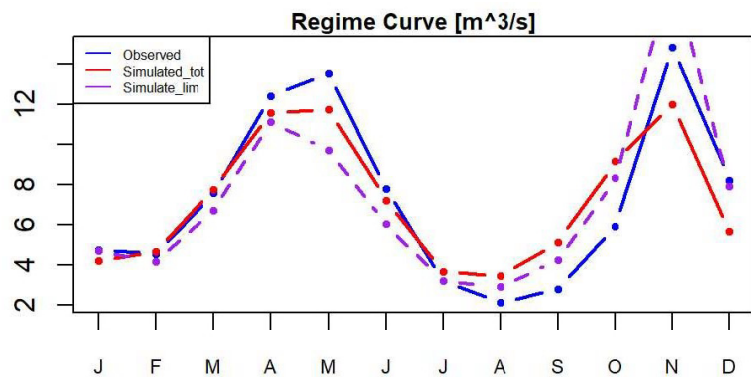
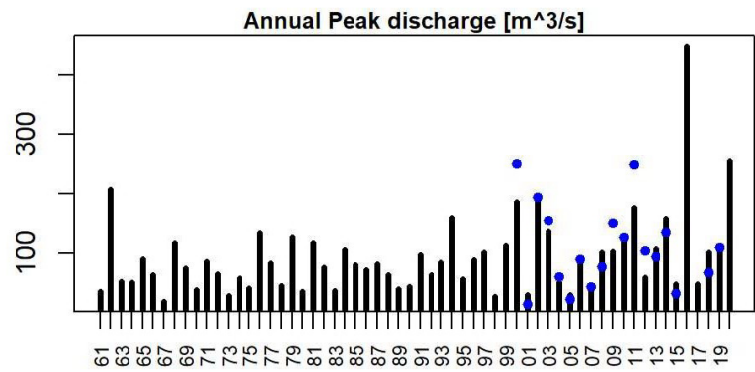
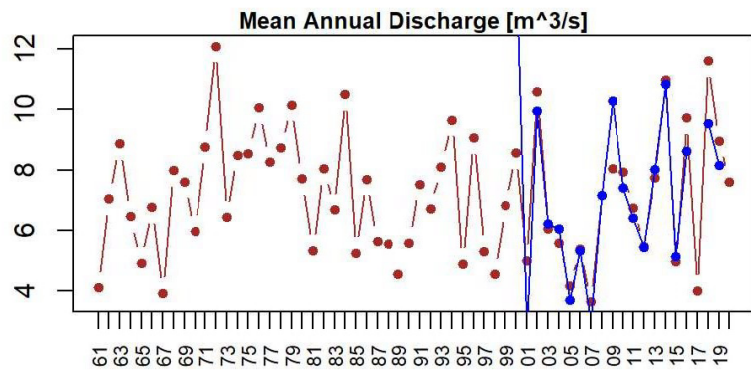
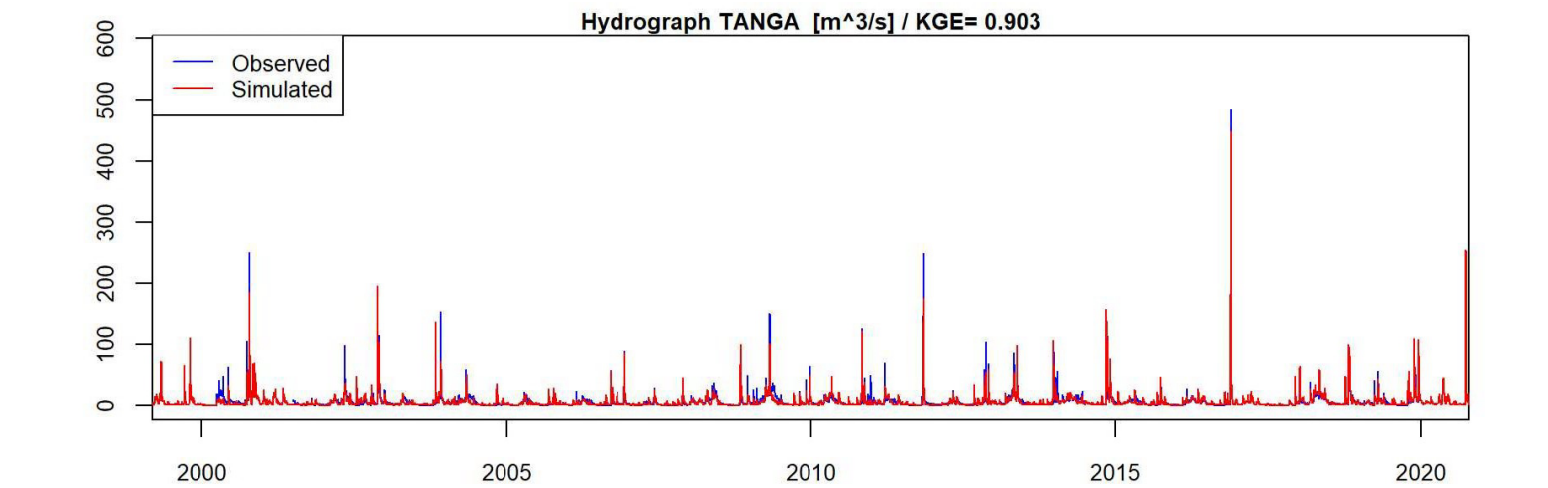


Regime Curve [m<sup>3</sup>/s]

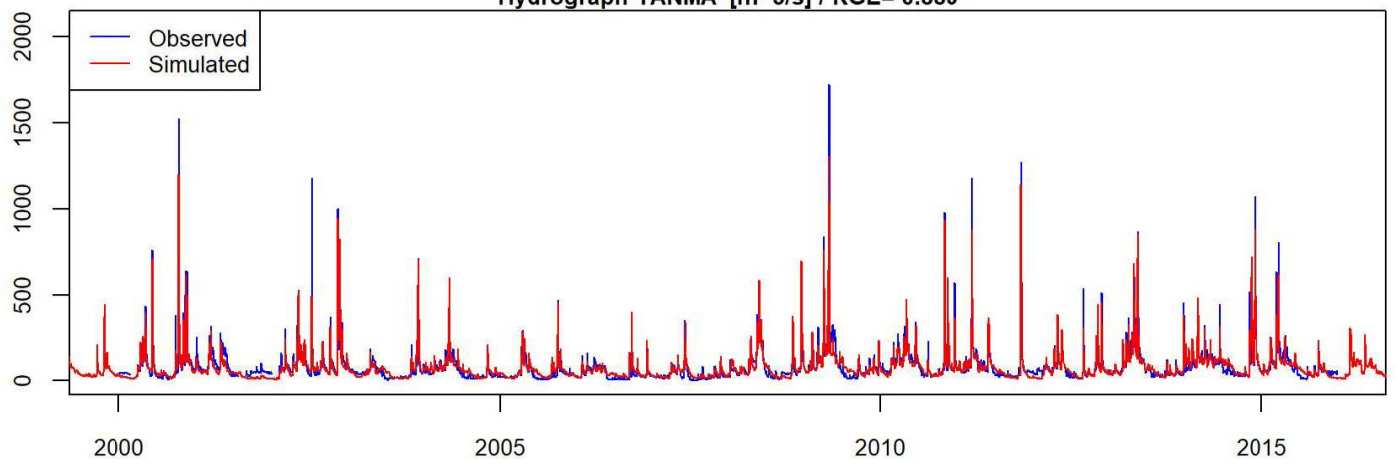


Mean Annual FDC [m<sup>3</sup>/s]

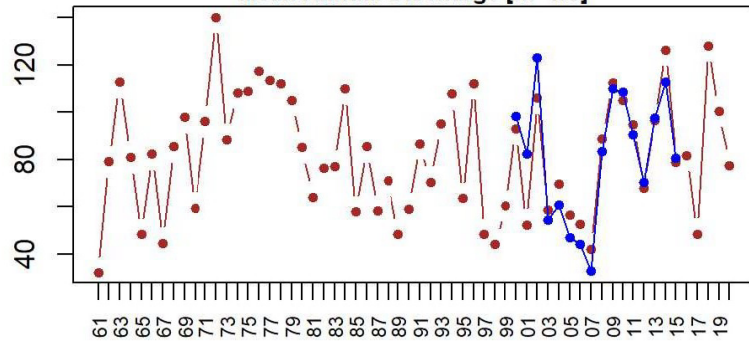




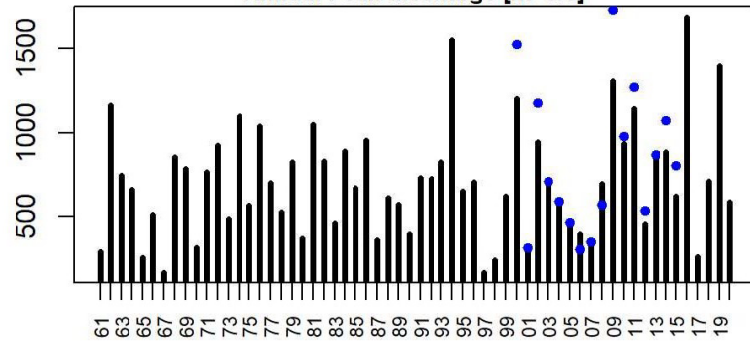
Hydrograph TANMA [ $\text{m}^3/\text{s}$ ] / KGE= 0.883



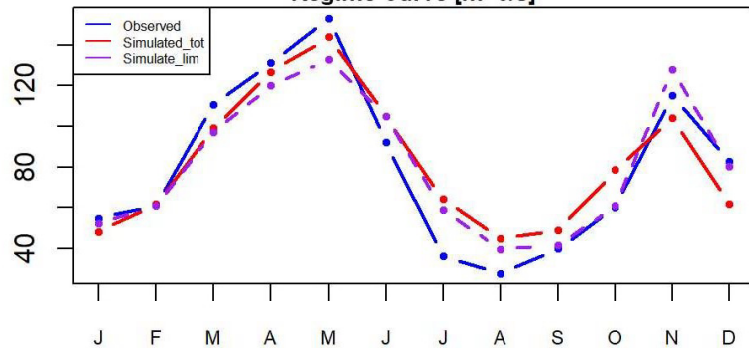
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



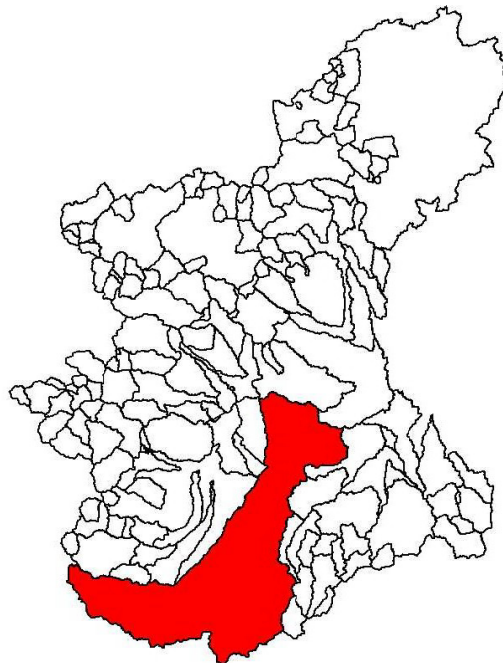
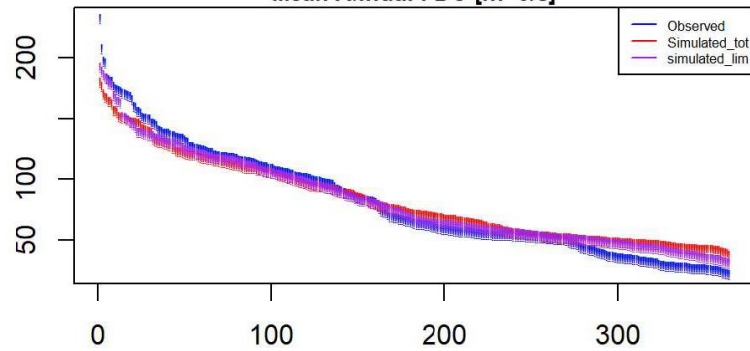
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

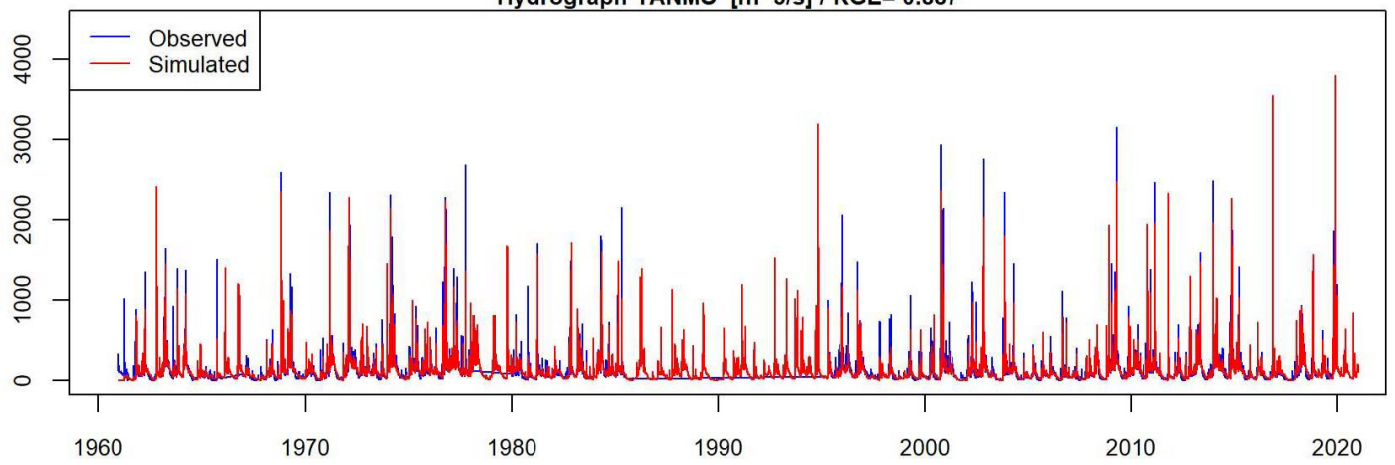


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

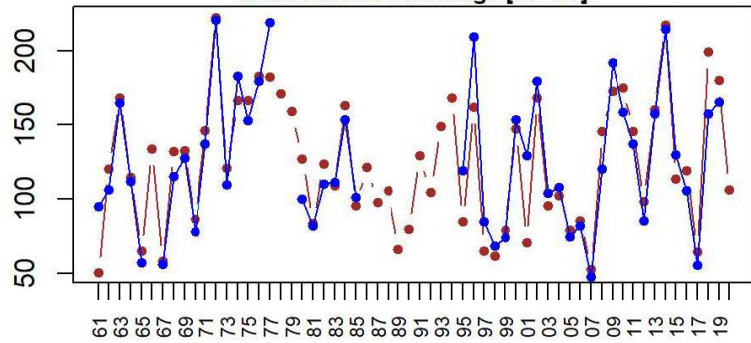




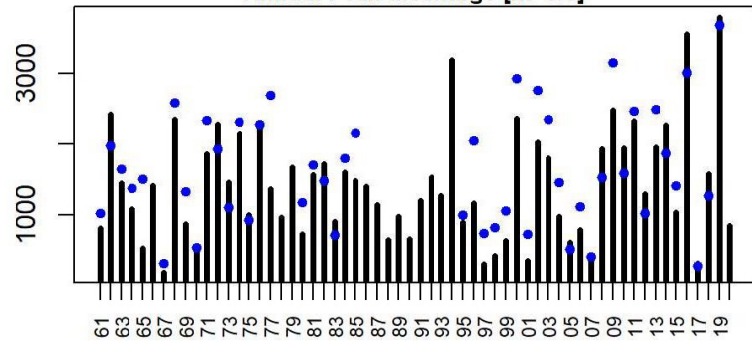
Hydrograph TANMO [ $\text{m}^3/\text{s}$ ] / KGE= 0.887



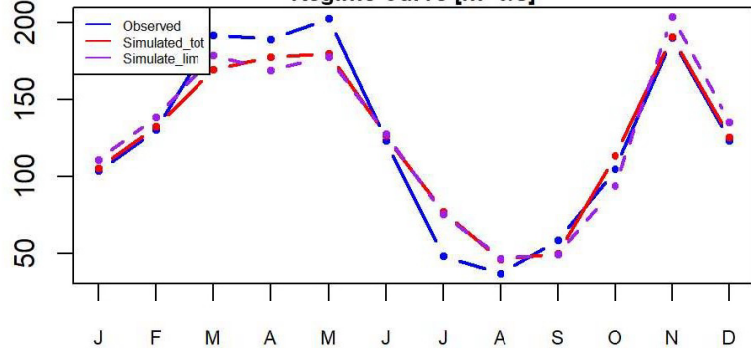
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



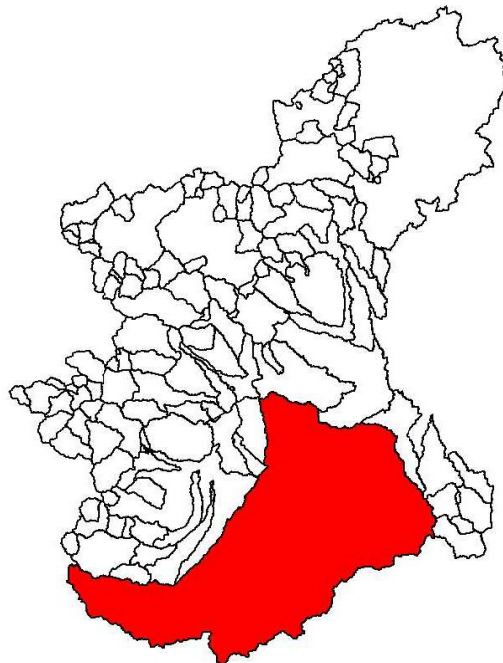
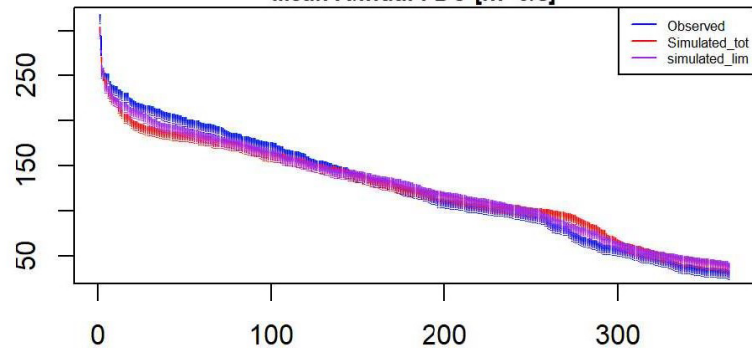
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



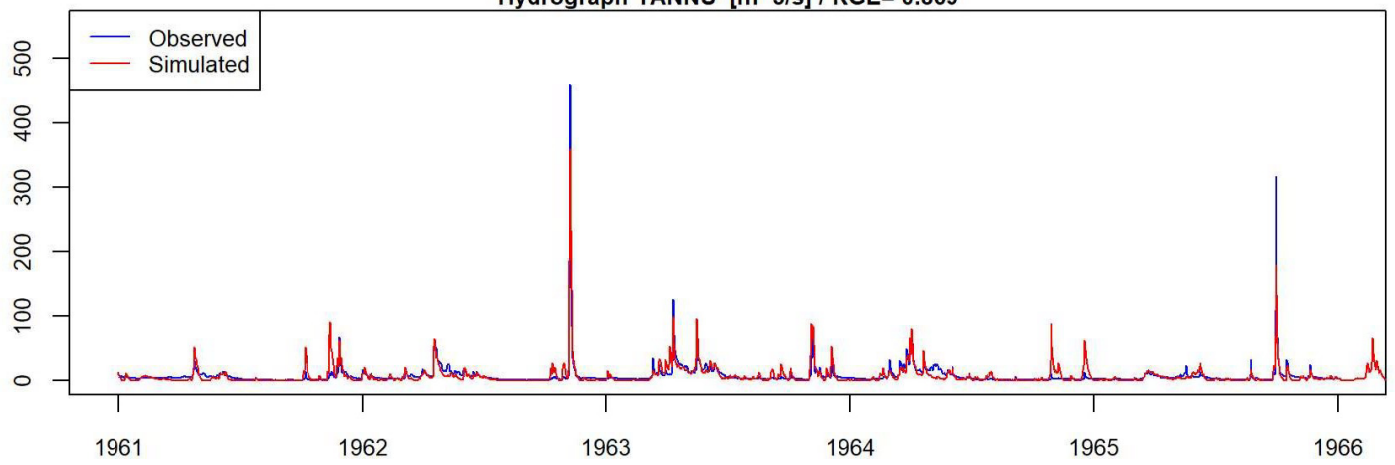
Regime Curve [ $\text{m}^3/\text{s}$ ]



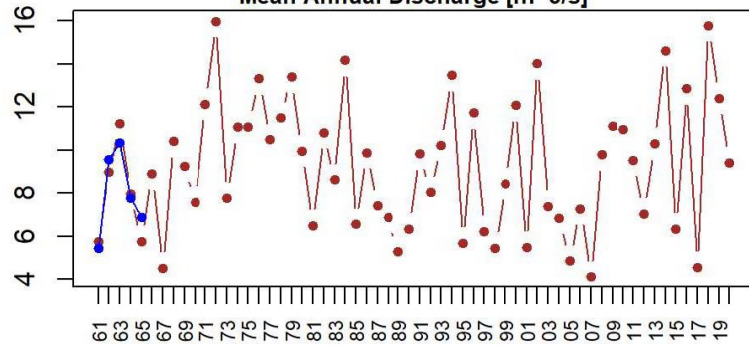
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



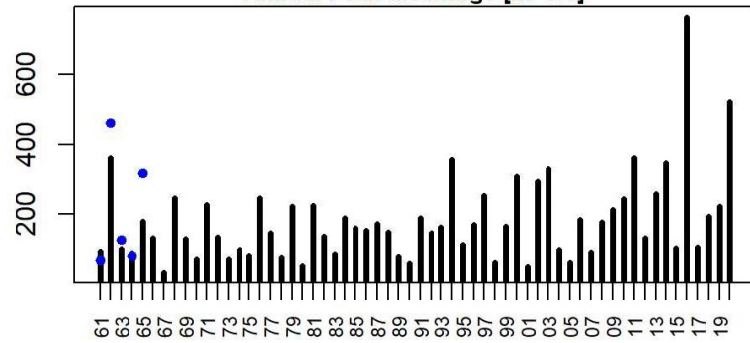
Hydrograph TANNU [m<sup>3</sup>/s] / KGE= 0.865



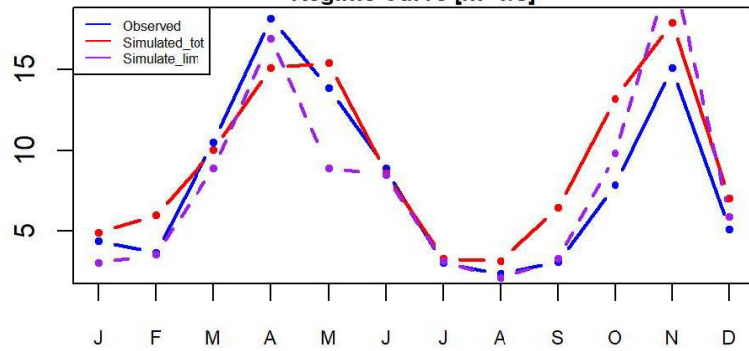
Mean Annual Discharge [m<sup>3</sup>/s]



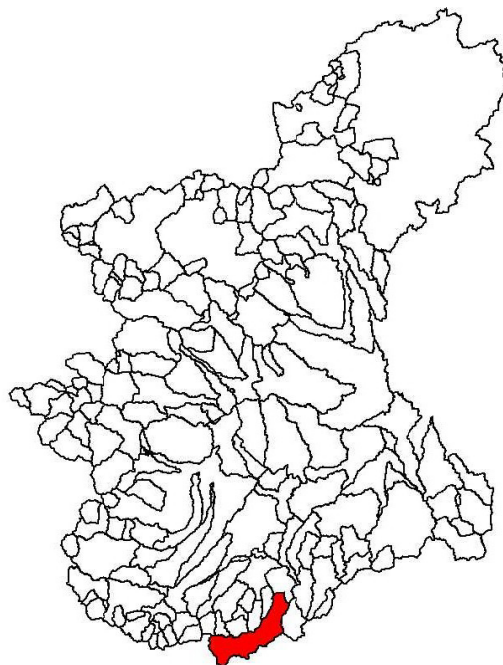
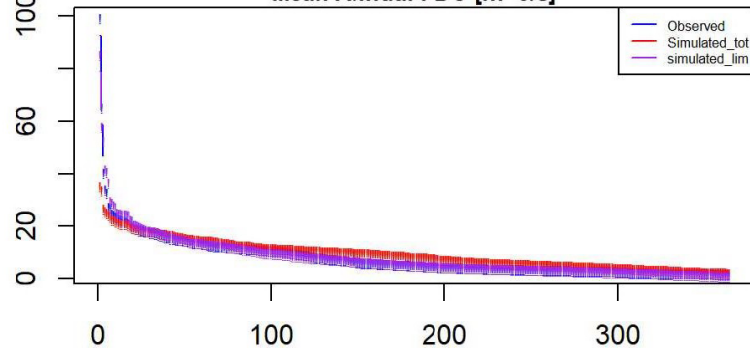
Annual Peak discharge [m<sup>3</sup>/s]



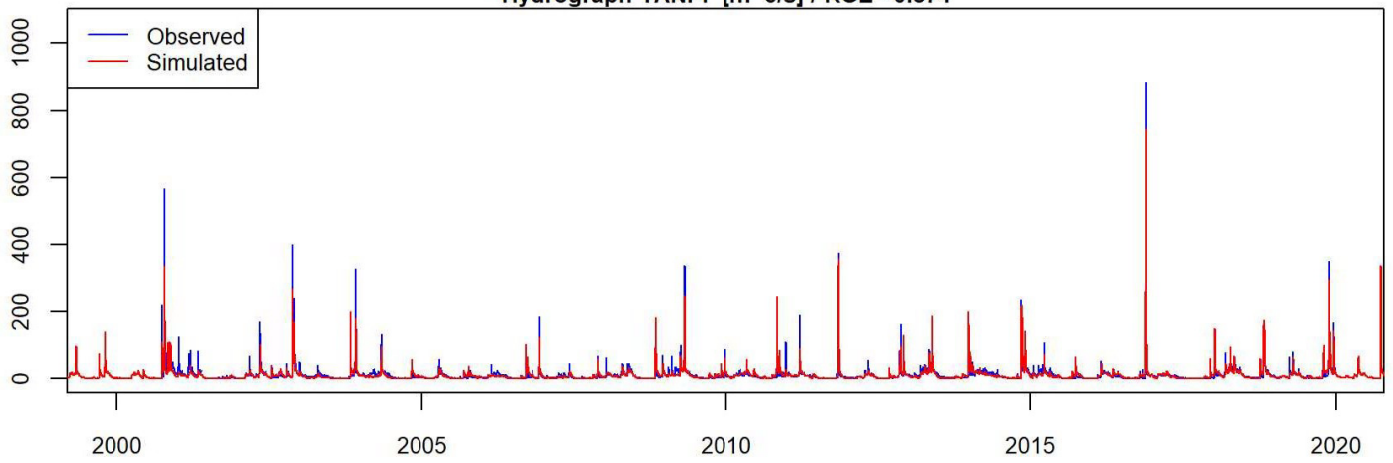
Regime Curve [m<sup>3</sup>/s]



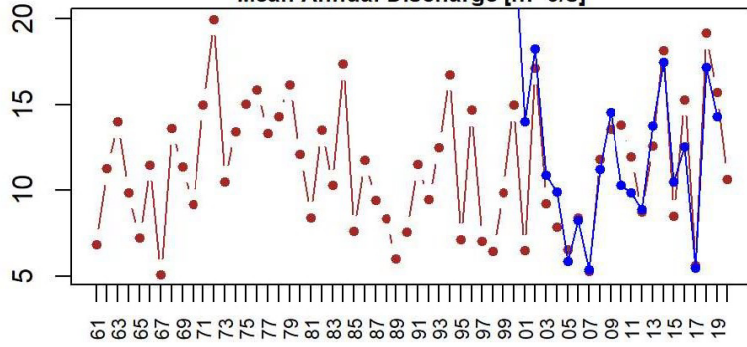
Mean Annual FDC [m<sup>3</sup>/s]



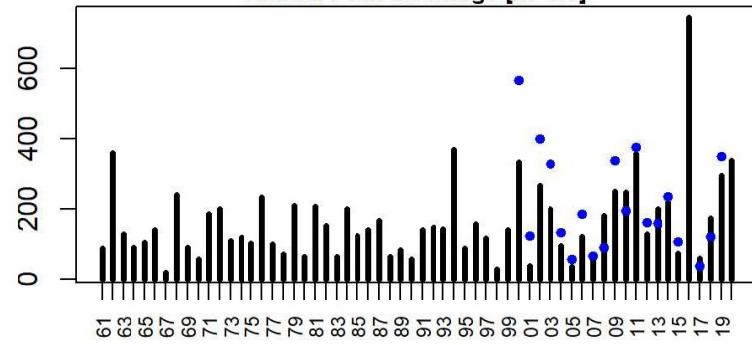
Hydrograph TANPI [ $\text{m}^3/\text{s}$ ] / KGE= 0.874



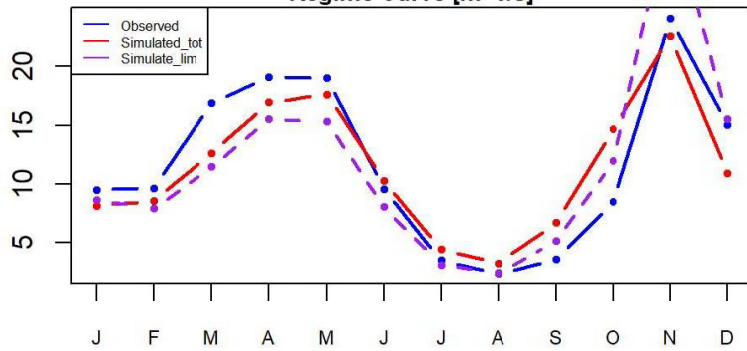
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



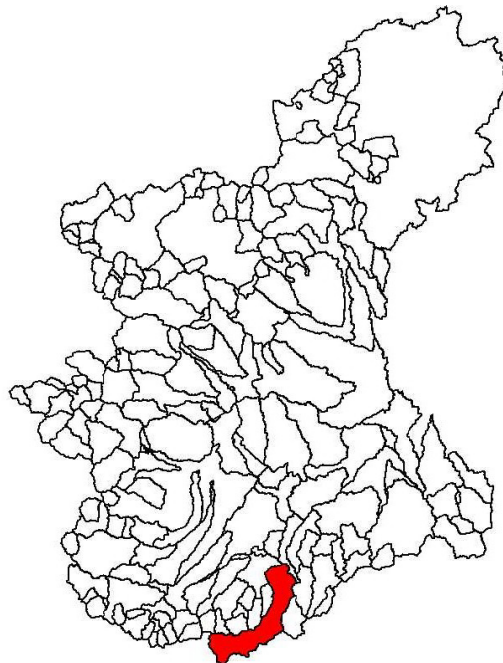
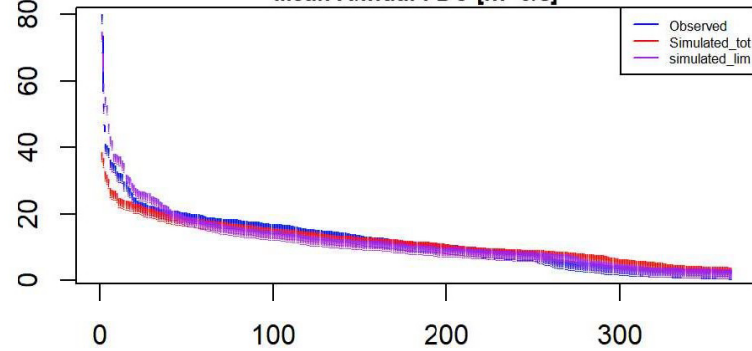
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



Regime Curve [ $\text{m}^3/\text{s}$ ]

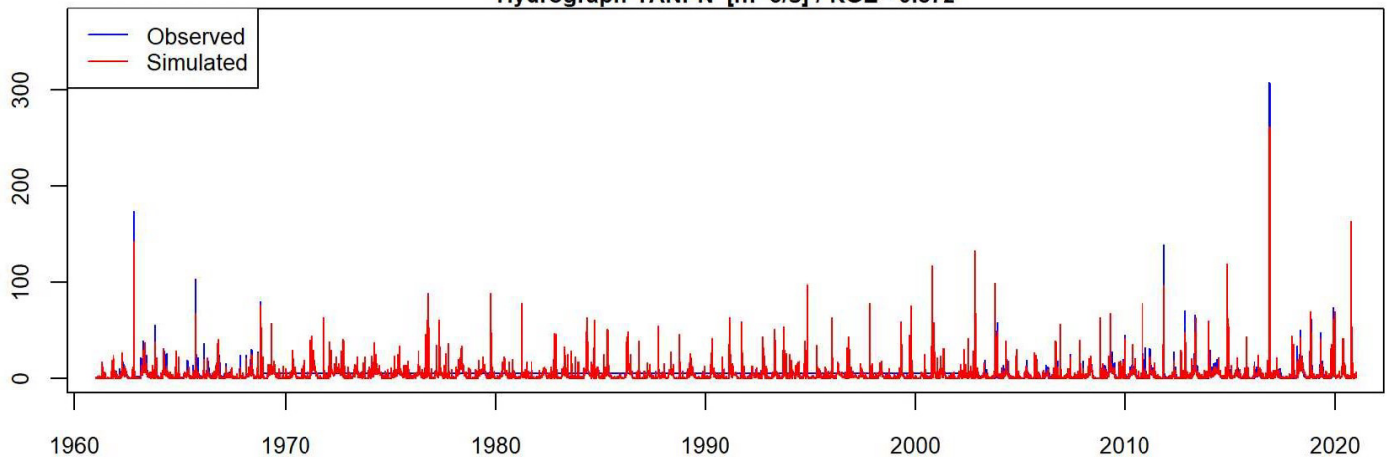


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

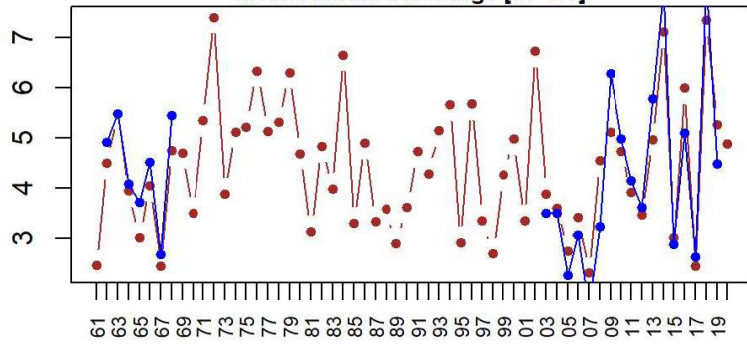




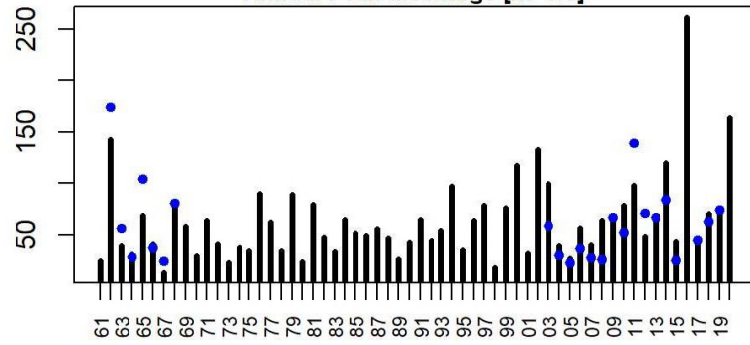
Hydrograph TANPN [ $\text{m}^3/\text{s}$ ] / KGE= 0.872



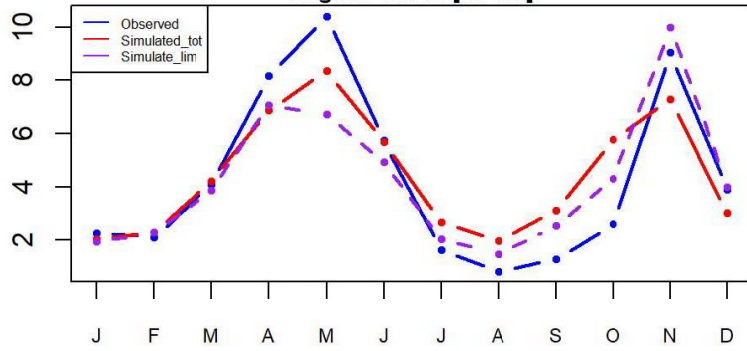
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



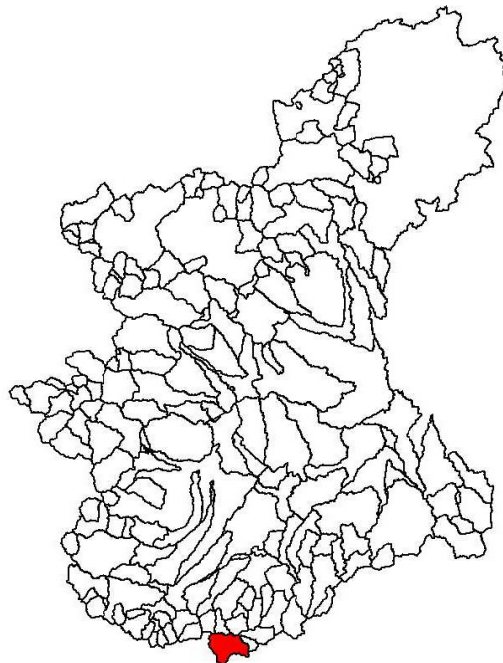
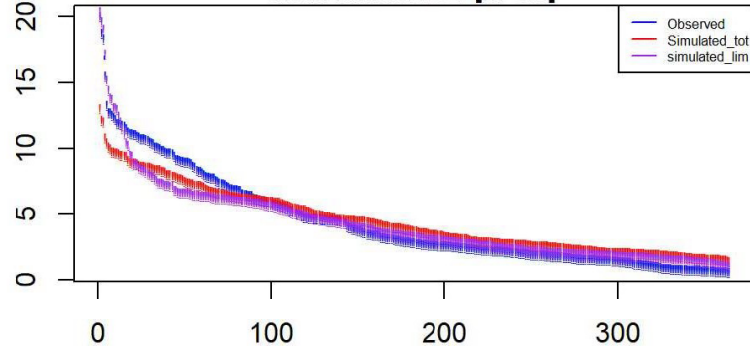
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]



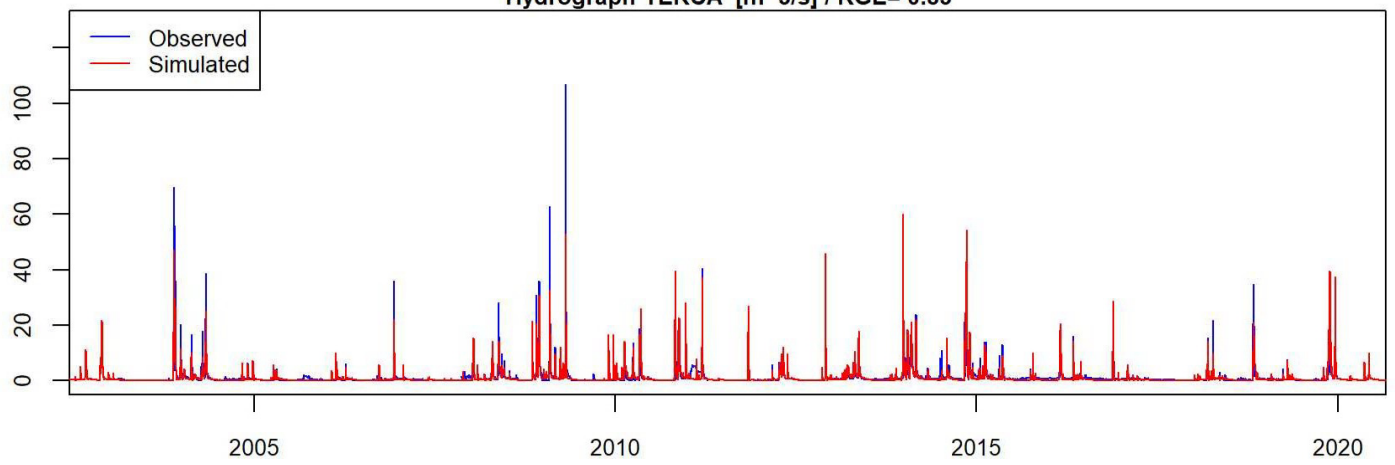
Regime Curve [ $\text{m}^3/\text{s}$ ]



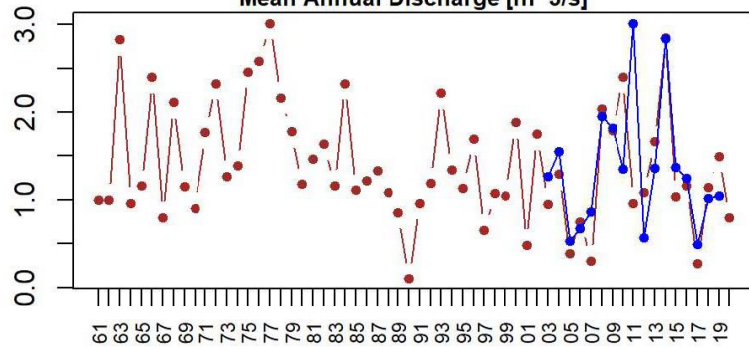
Mean Annual FDC [ $\text{m}^3/\text{s}$ ]



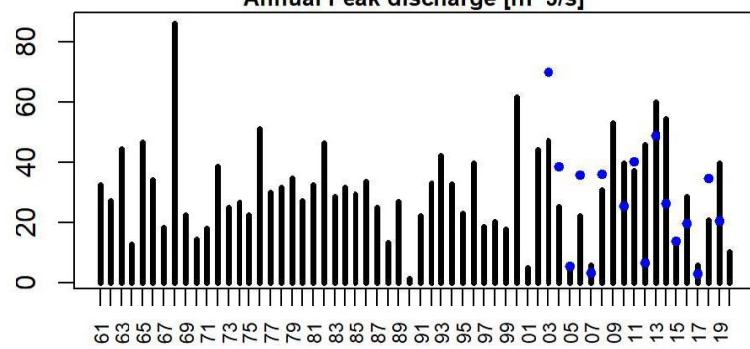
Hydrograph TERCA [m<sup>3</sup>/s] / KGE= 0.83



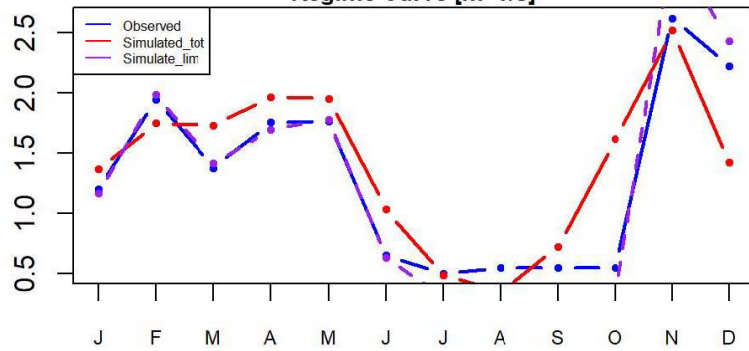
Mean Annual Discharge [m<sup>3</sup>/s]



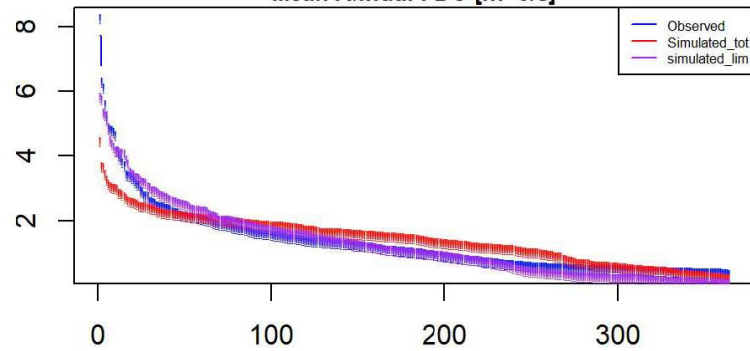
Annual Peak discharge [m<sup>3</sup>/s]



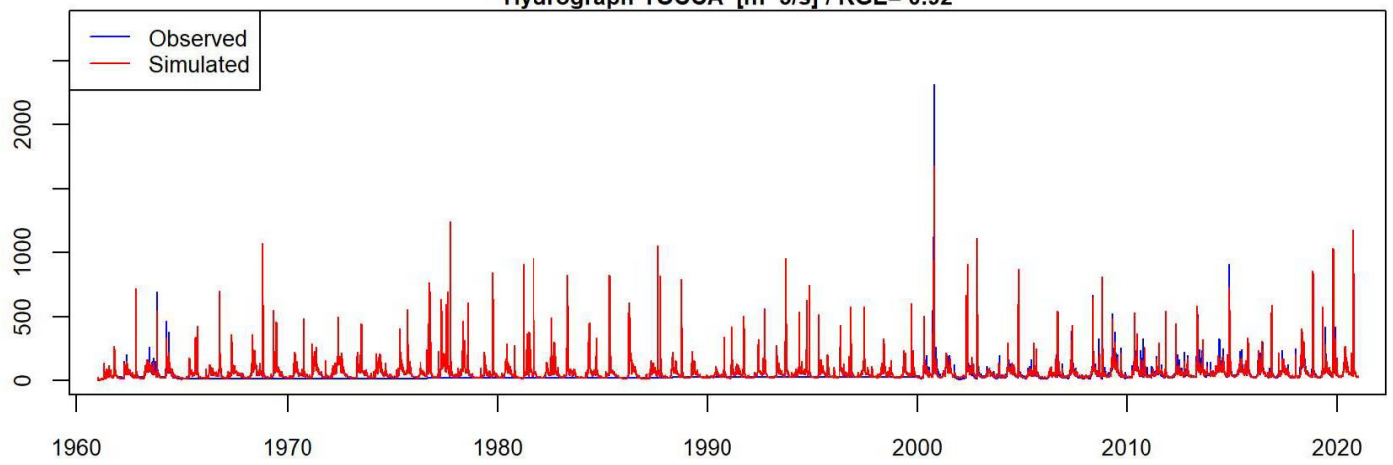
Regime Curve [m<sup>3</sup>/s]



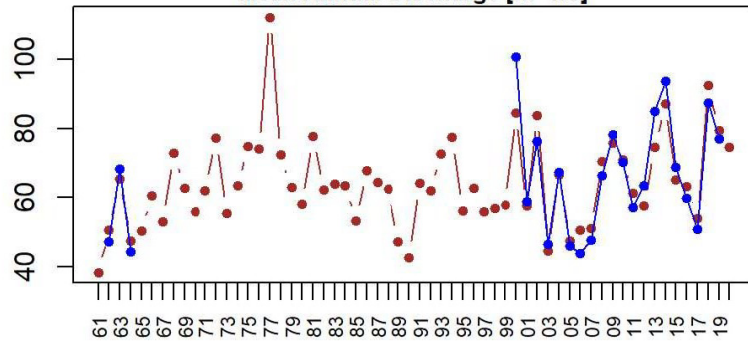
Mean Annual FDC [m<sup>3</sup>/s]



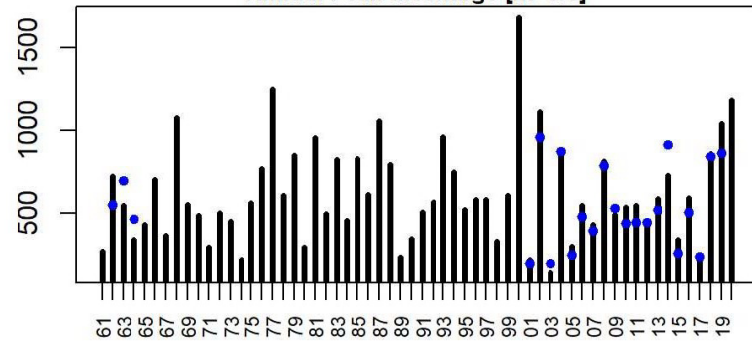
Hydrograph TOCCA [m<sup>3</sup>/s] / KGE= 0.92



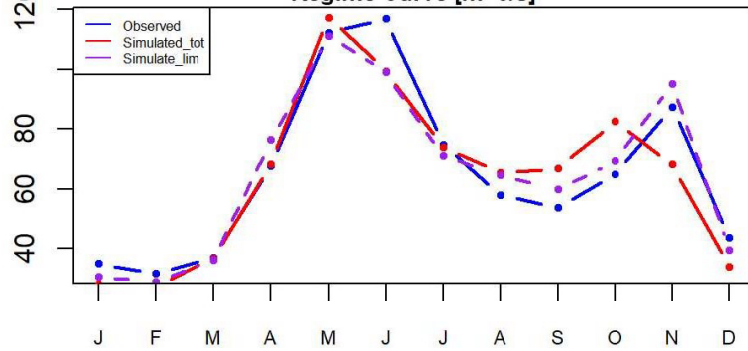
Mean Annual Discharge [m<sup>3</sup>/s]



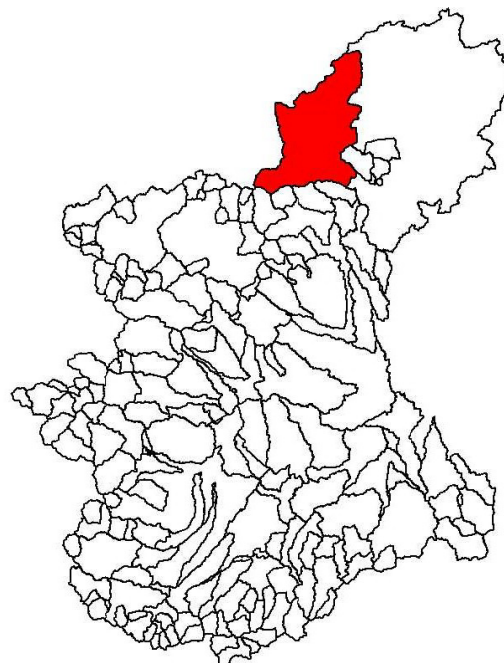
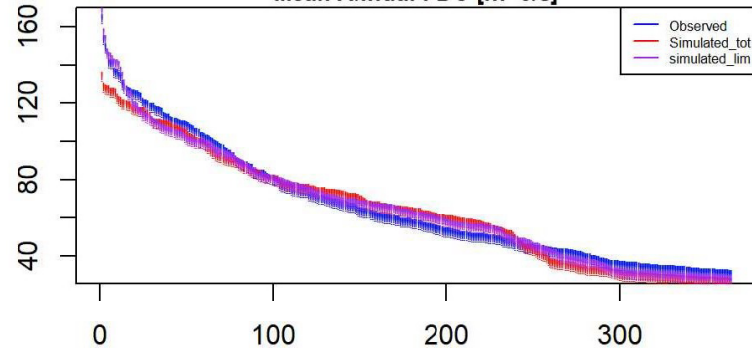
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

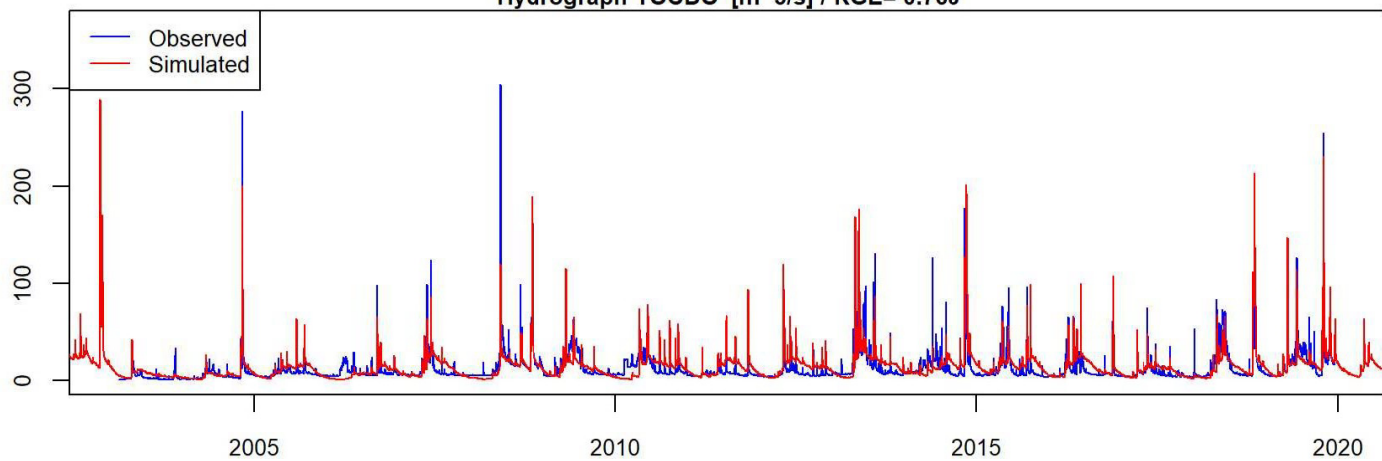


Mean Annual FDC [m<sup>3</sup>/s]

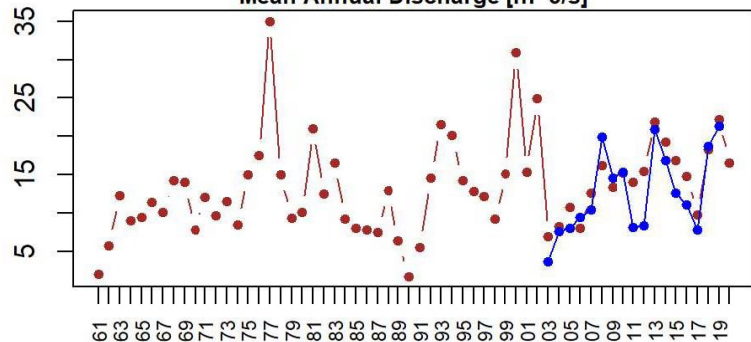




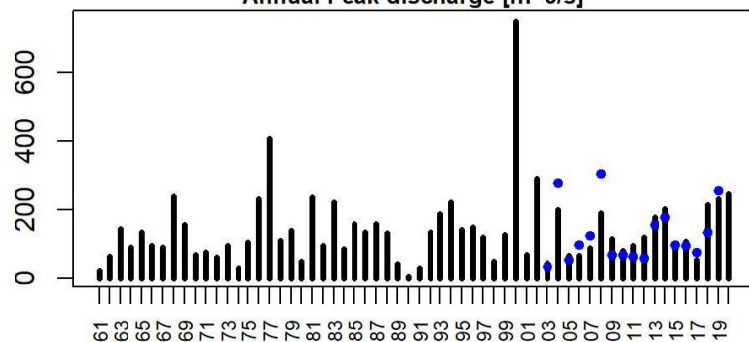
Hydrograph TOCDO [ $\text{m}^3/\text{s}$ ] / KGE= 0.768



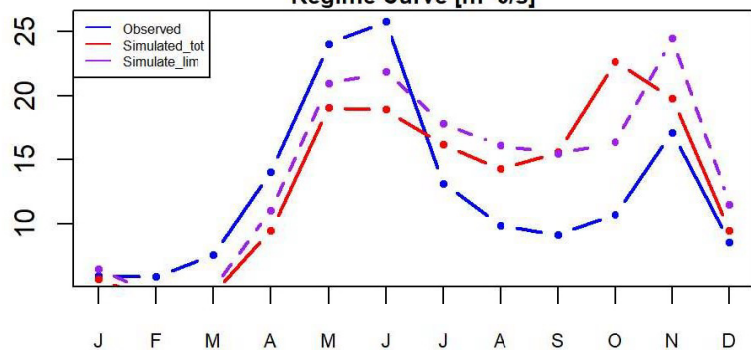
Mean Annual Discharge [ $\text{m}^3/\text{s}$ ]



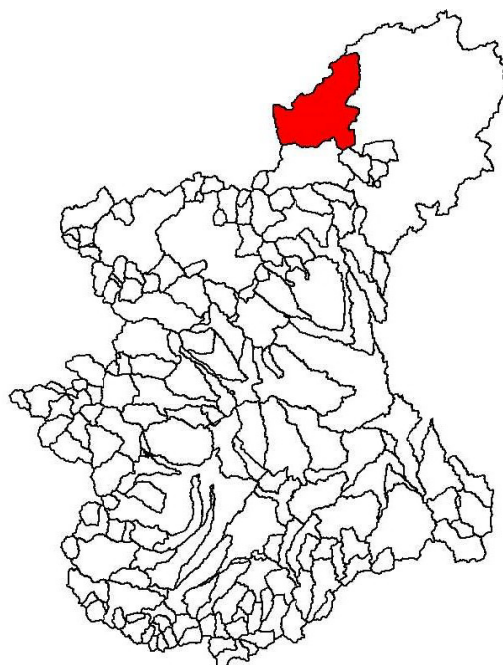
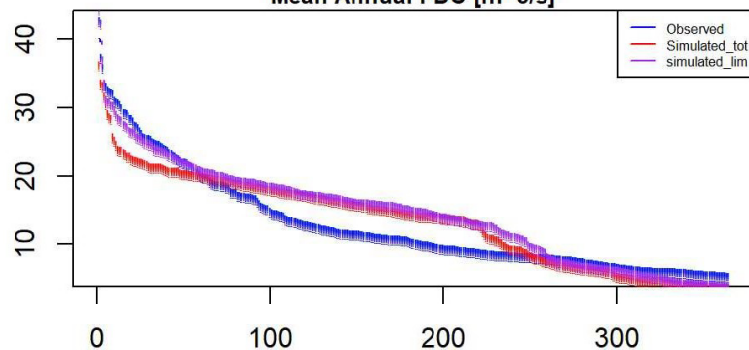
Annual Peak discharge [ $\text{m}^3/\text{s}$ ]

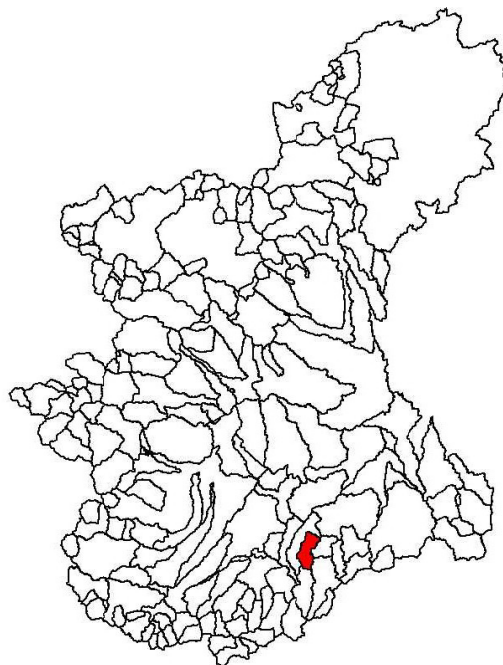
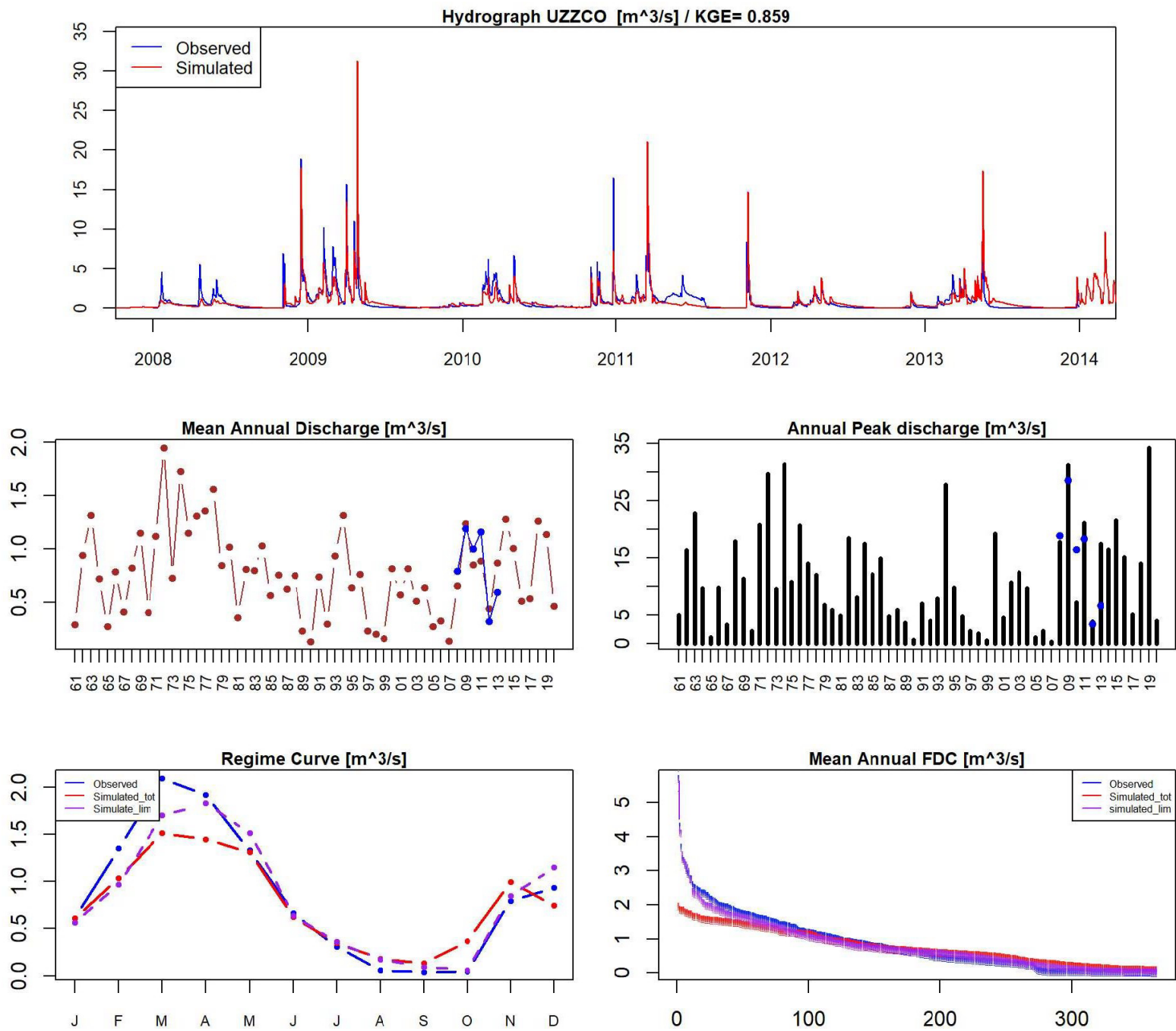


Regime Curve [ $\text{m}^3/\text{s}$ ]

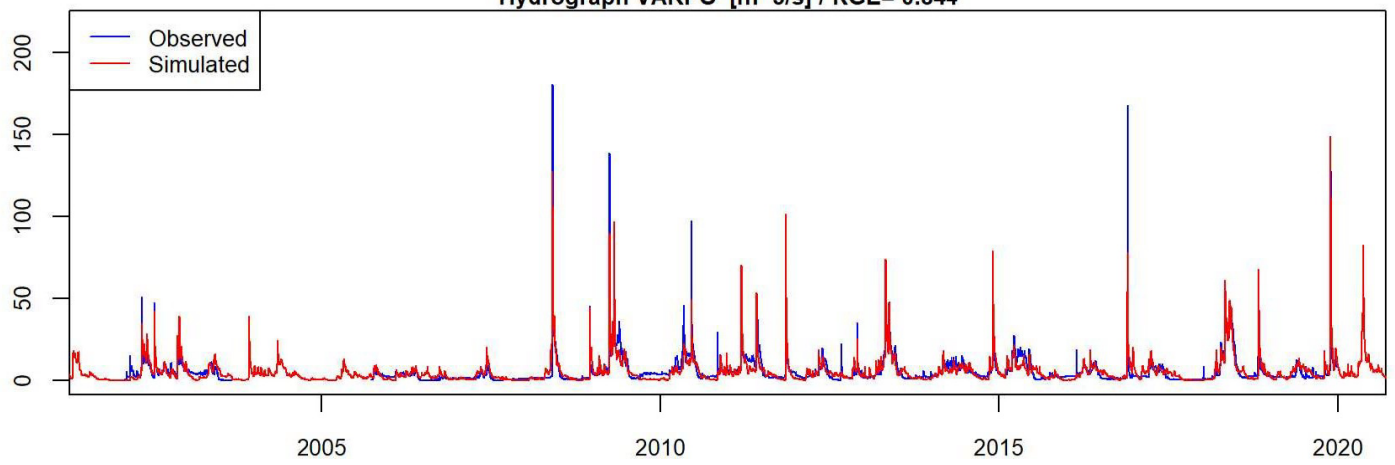


Mean Annual FDC [ $\text{m}^3/\text{s}$ ]

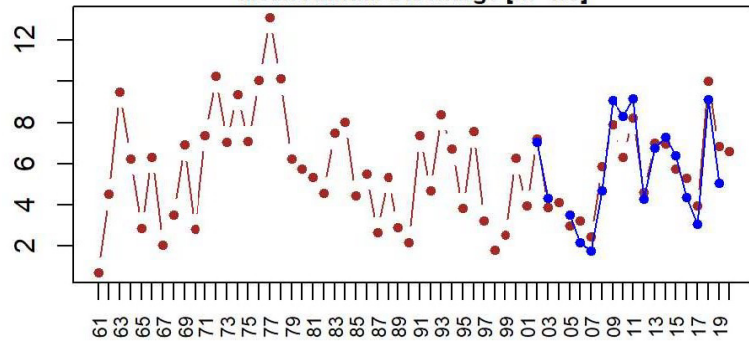




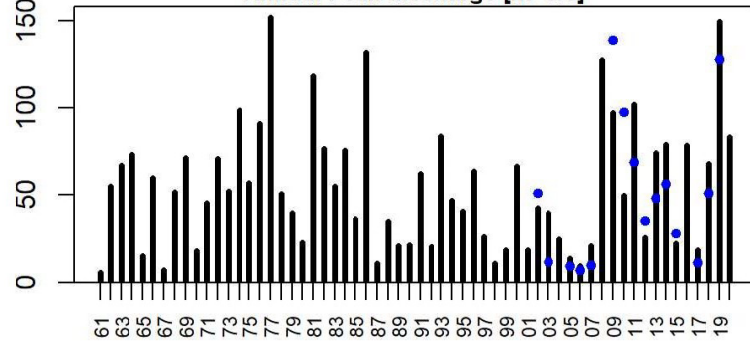
Hydrograph VARPO [m<sup>3</sup>/s] / KGE= 0.844



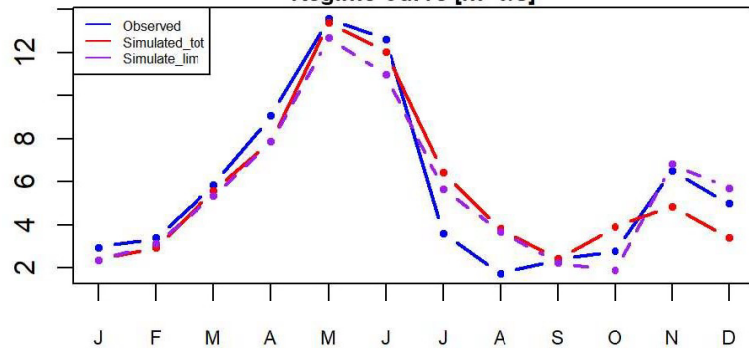
Mean Annual Discharge [m<sup>3</sup>/s]



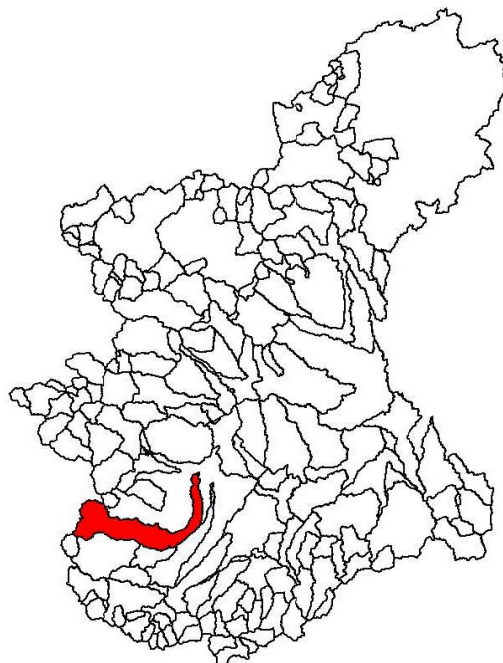
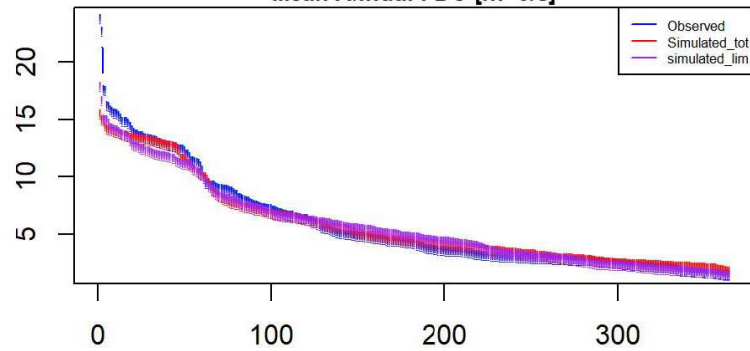
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

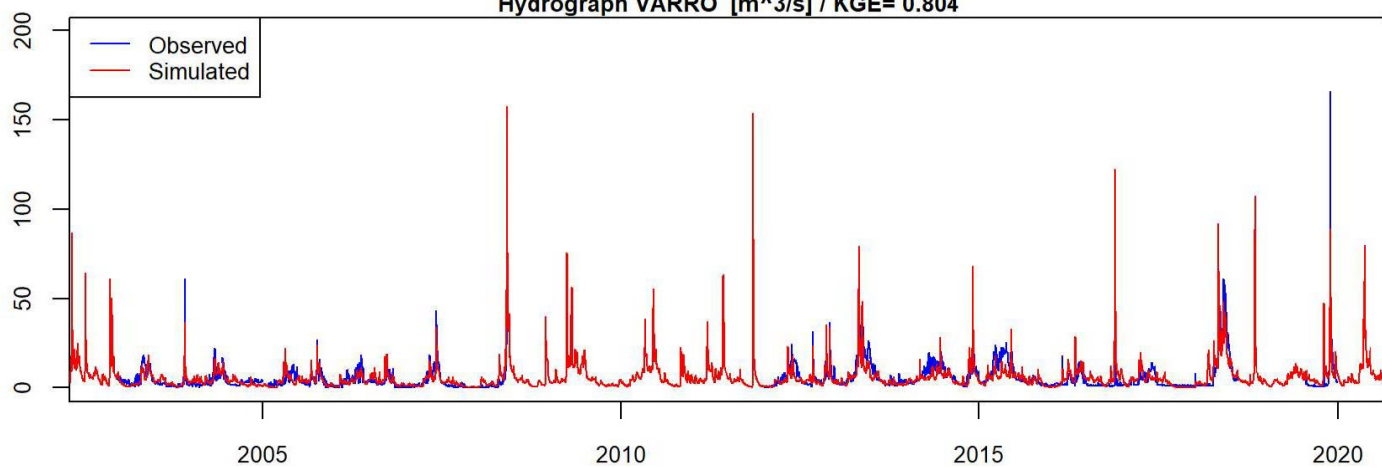


Mean Annual FDC [m<sup>3</sup>/s]

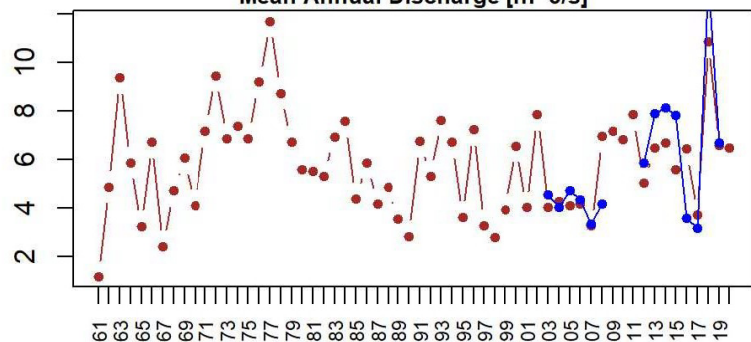




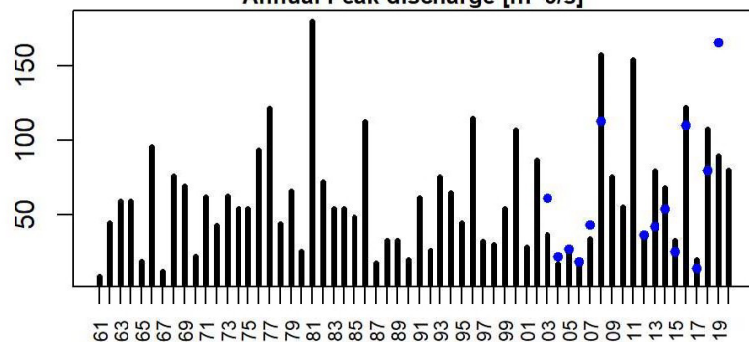
Hydrograph VARRO [m<sup>3</sup>/s] / KGE= 0.804



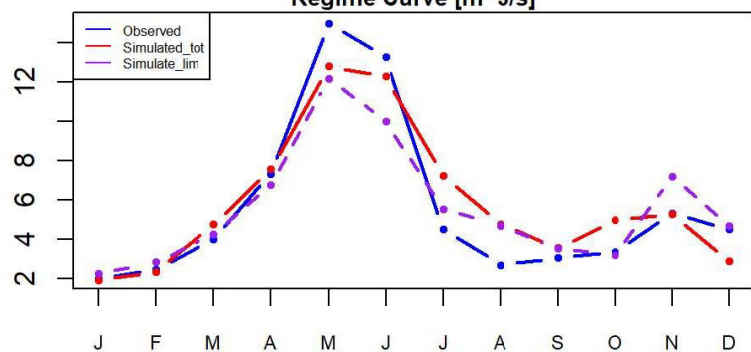
Mean Annual Discharge [m<sup>3</sup>/s]



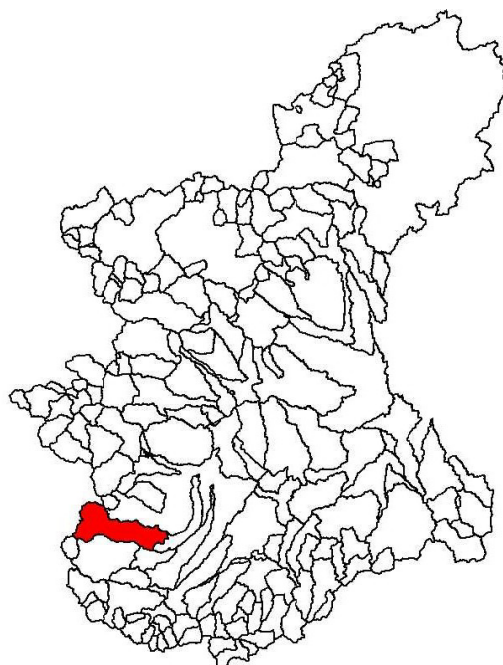
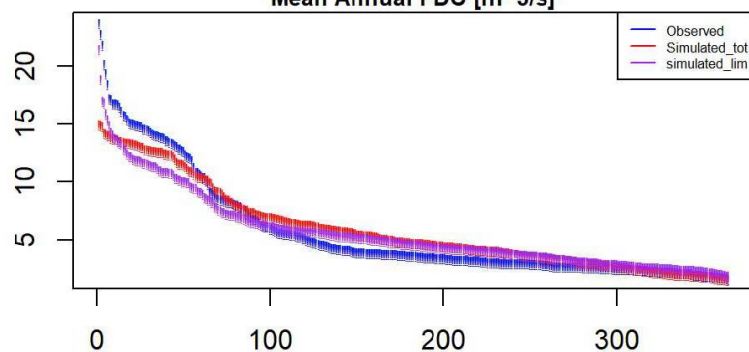
Annual Peak discharge [m<sup>3</sup>/s]



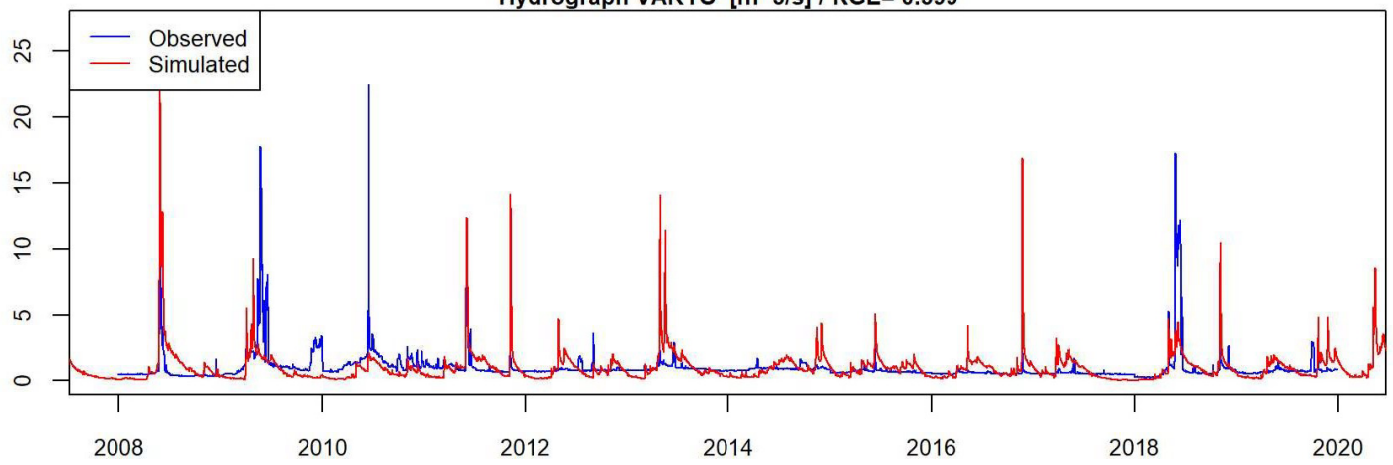
Regime Curve [m<sup>3</sup>/s]



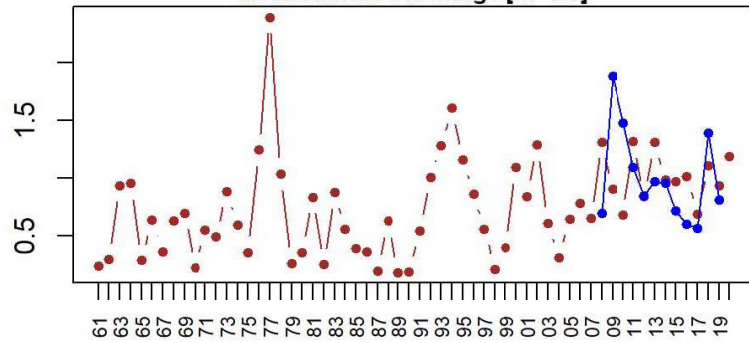
Mean Annual FDC [m<sup>3</sup>/s]



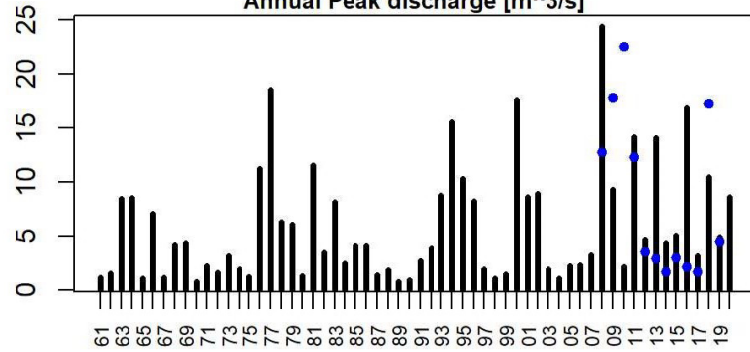
Hydrograph VARTO [m<sup>3</sup>/s] / KGE= 0.399



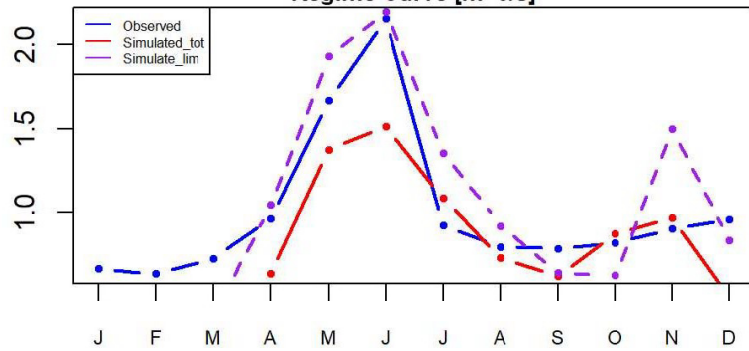
Mean Annual Discharge [m<sup>3</sup>/s]



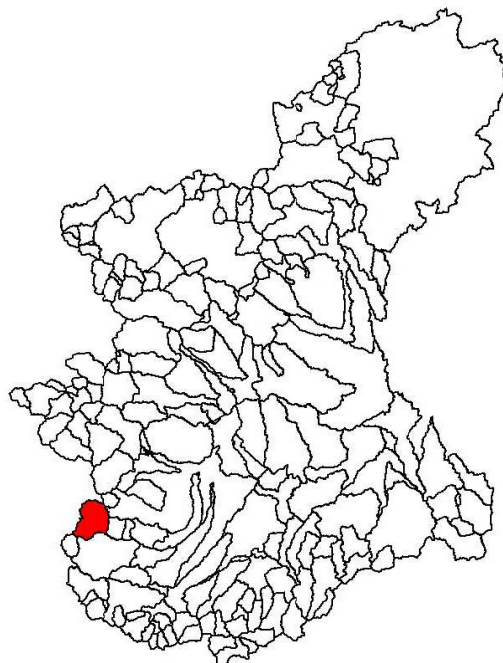
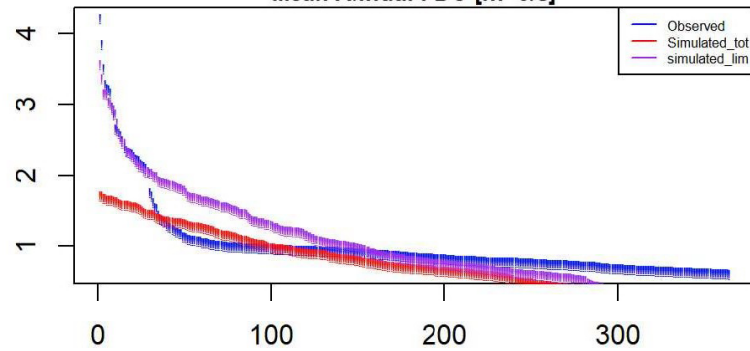
Annual Peak discharge [m<sup>3</sup>/s]

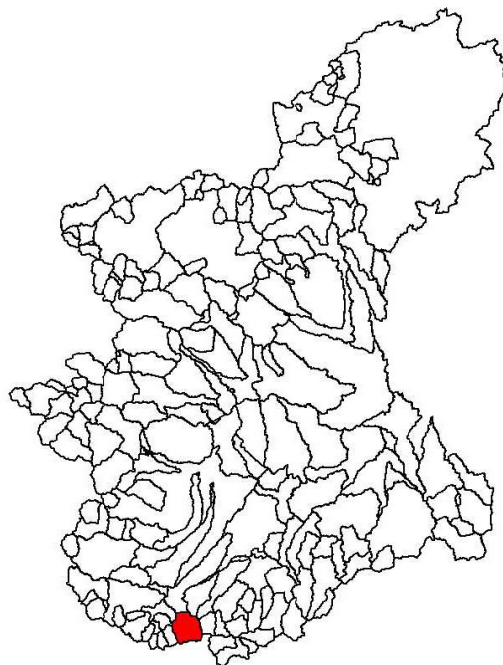
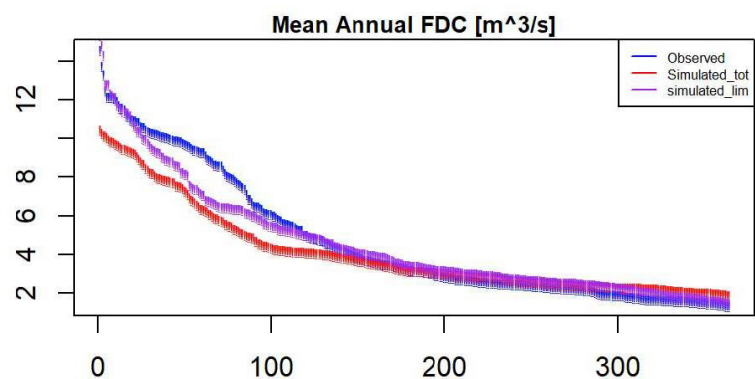
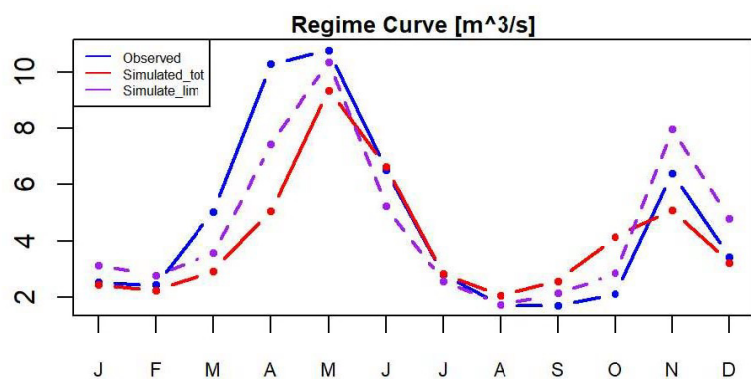
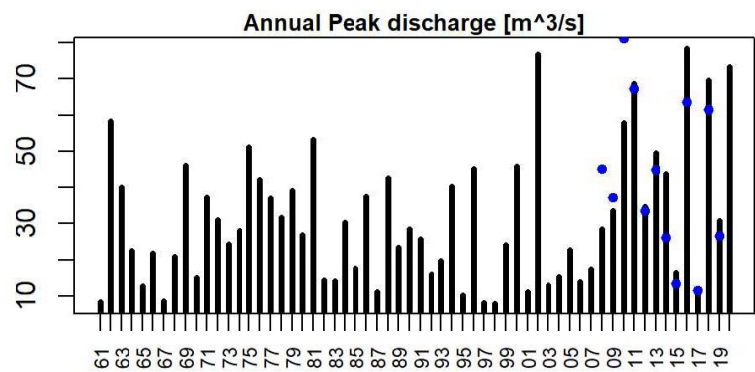
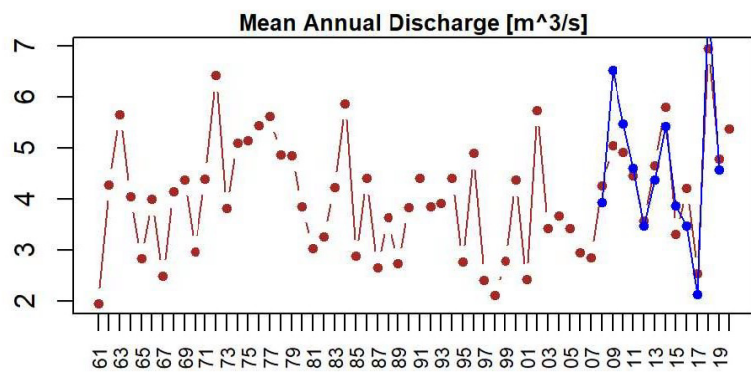
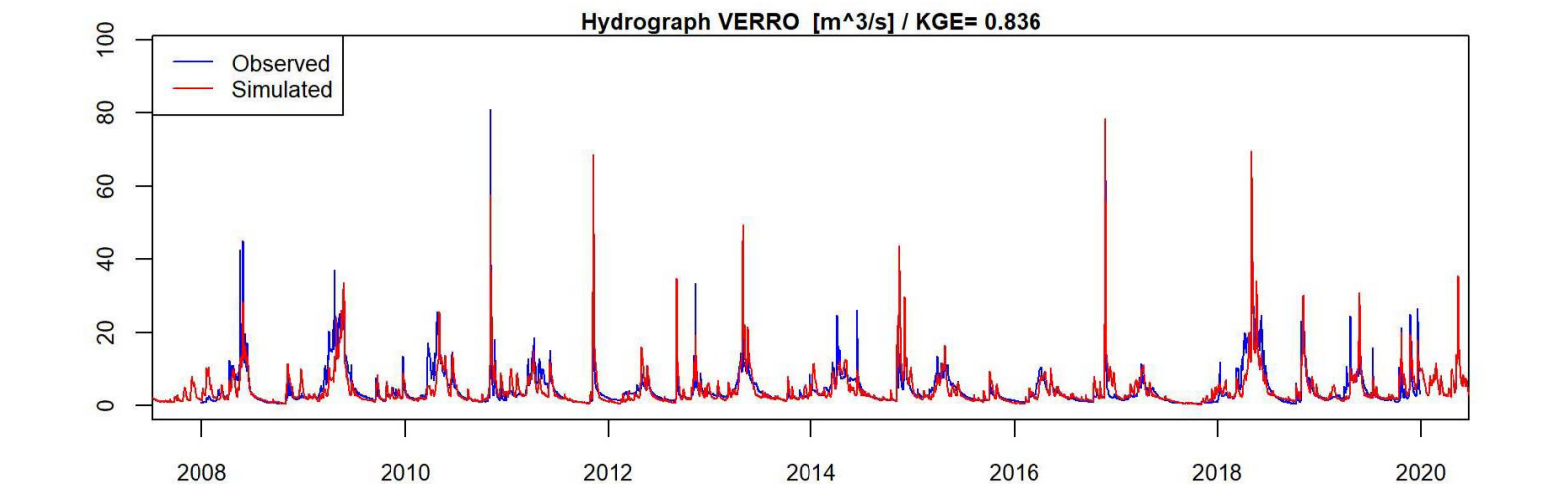


Regime Curve [m<sup>3</sup>/s]



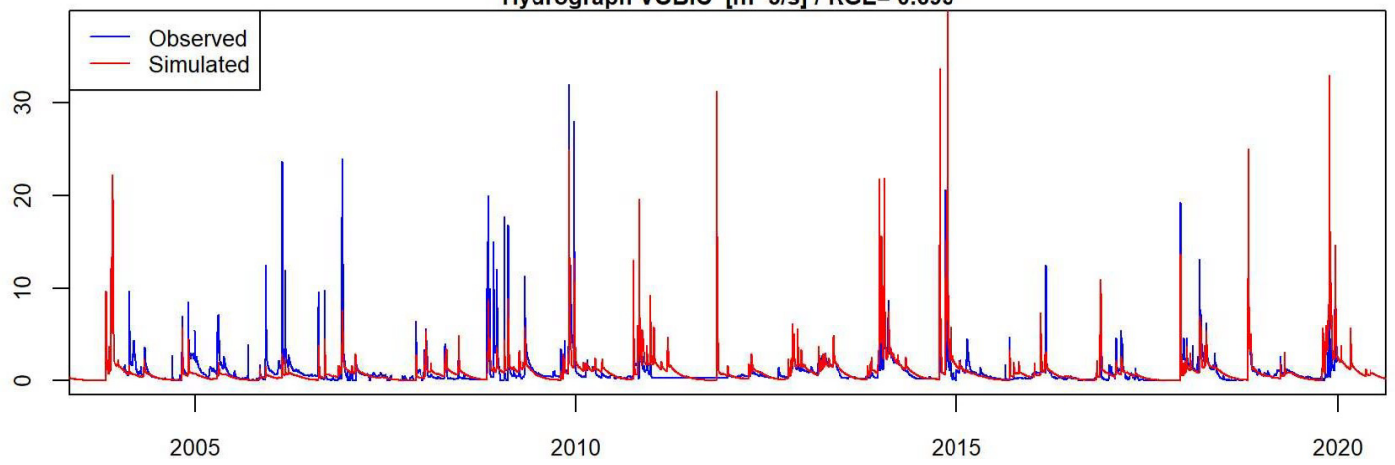
Mean Annual FDC [m<sup>3</sup>/s]



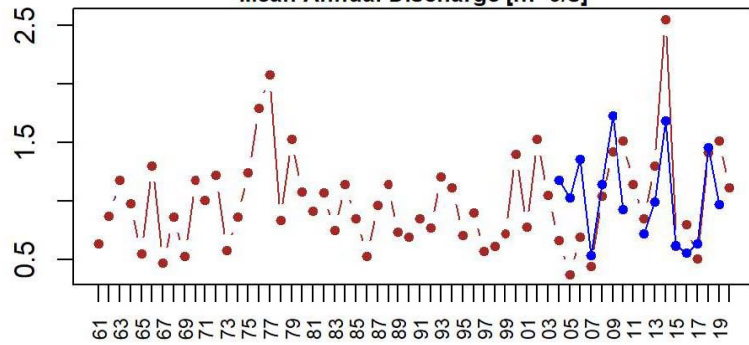




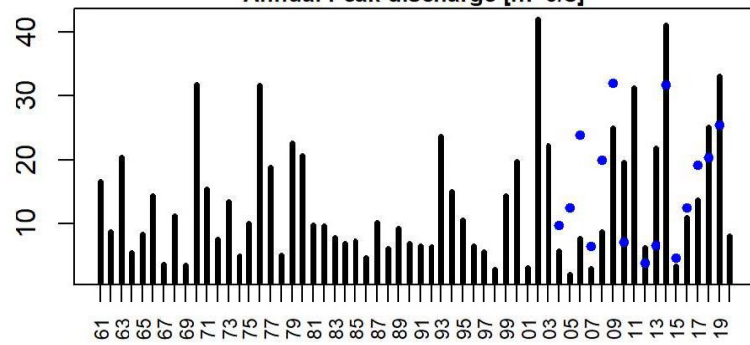
Hydrograph VOBIC [m<sup>3</sup>/s] / KGE= 0.693



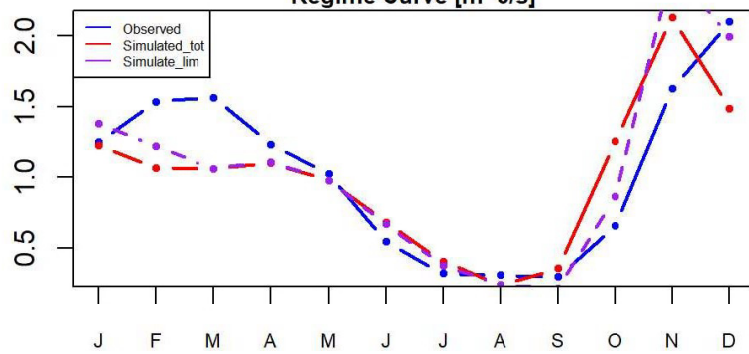
Mean Annual Discharge [m<sup>3</sup>/s]



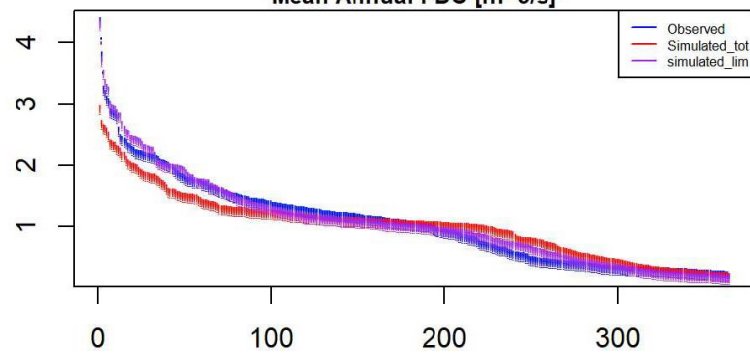
Annual Peak discharge [m<sup>3</sup>/s]



Regime Curve [m<sup>3</sup>/s]

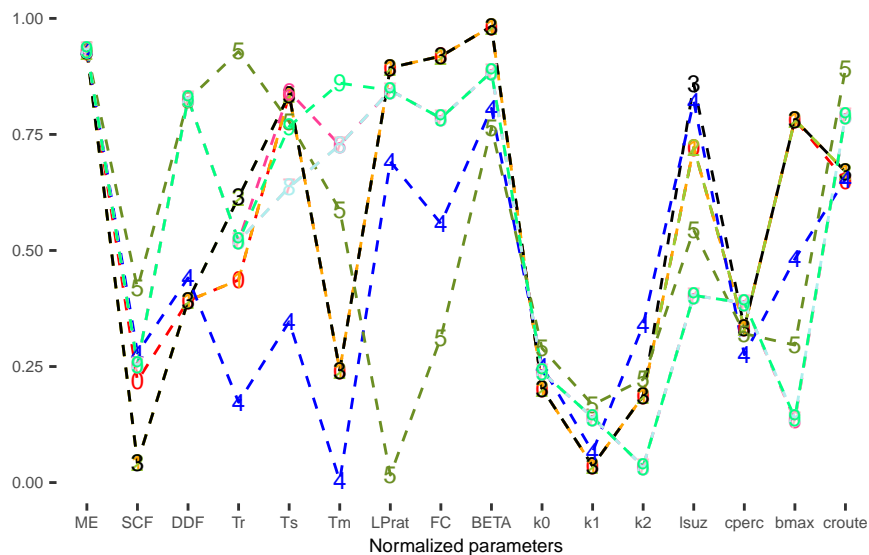


Mean Annual FDC [m<sup>3</sup>/s]

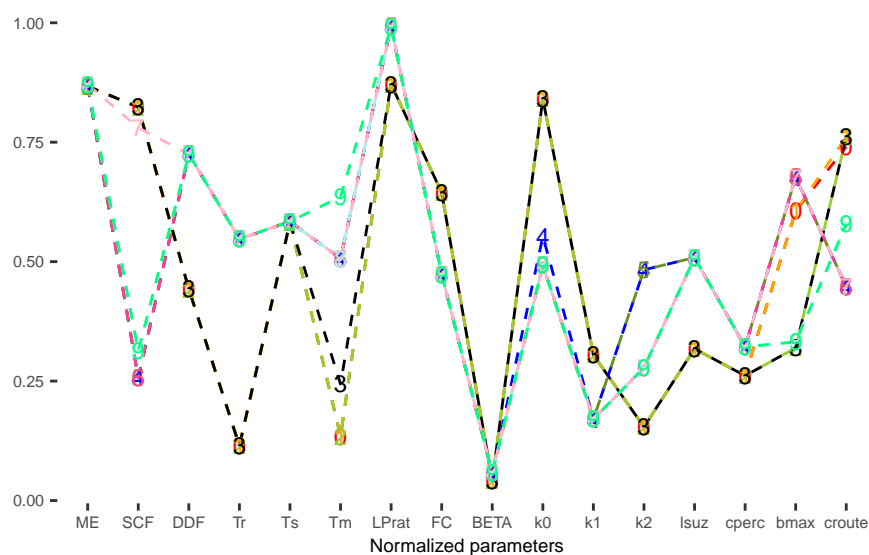


***ATTACHMENT 2***  
***PARAMETER SETS ANALYSIS***  
***(LOCAL LUMPED CALIBRATIONS – ALL CATCHMENTS)***

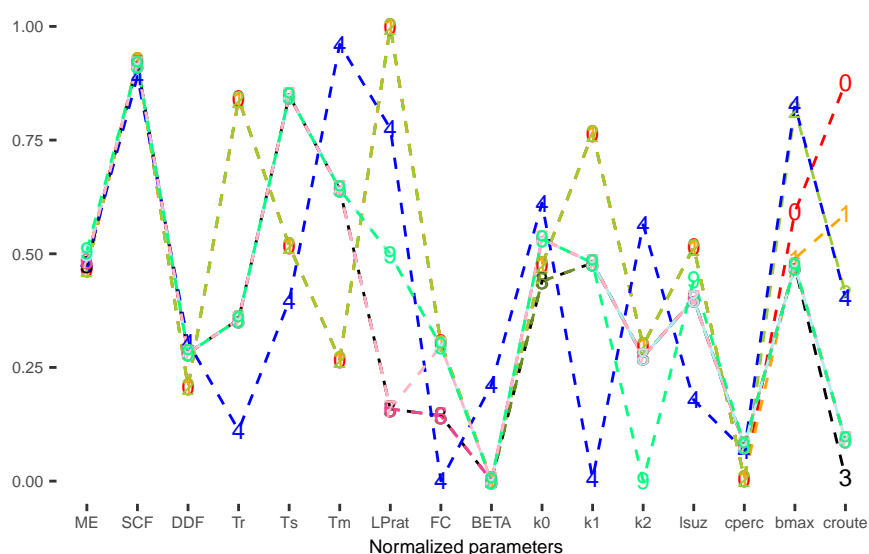
Best 10 parameter sets (AGOMO)



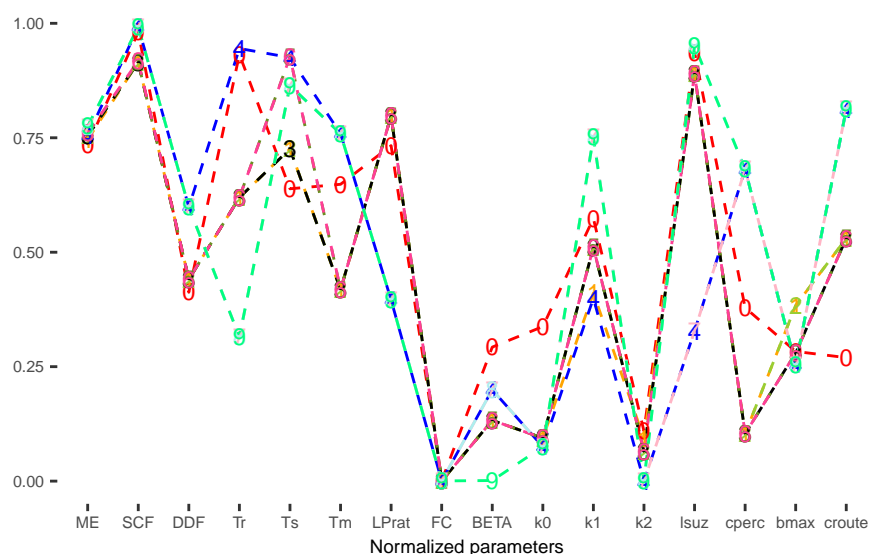
Best 10 parameter sets (AGONO)



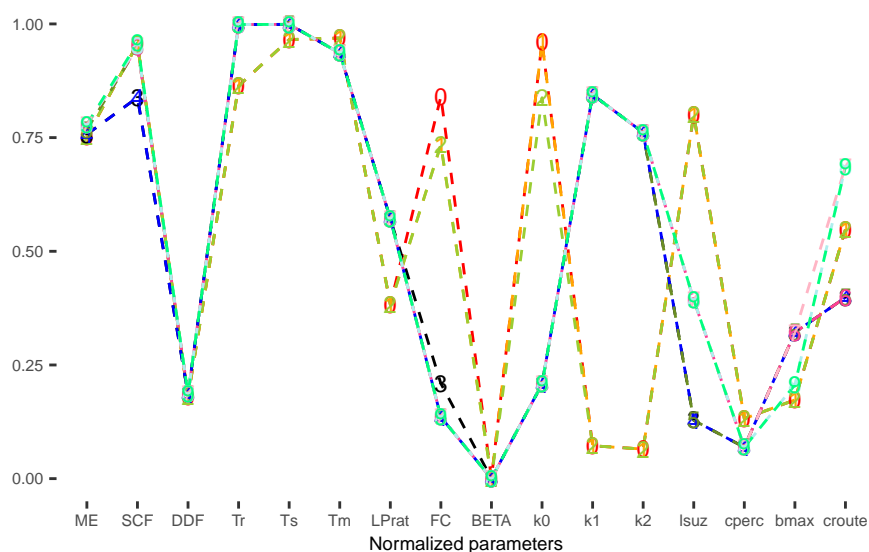
Best 10 parameter sets (ANZMA)



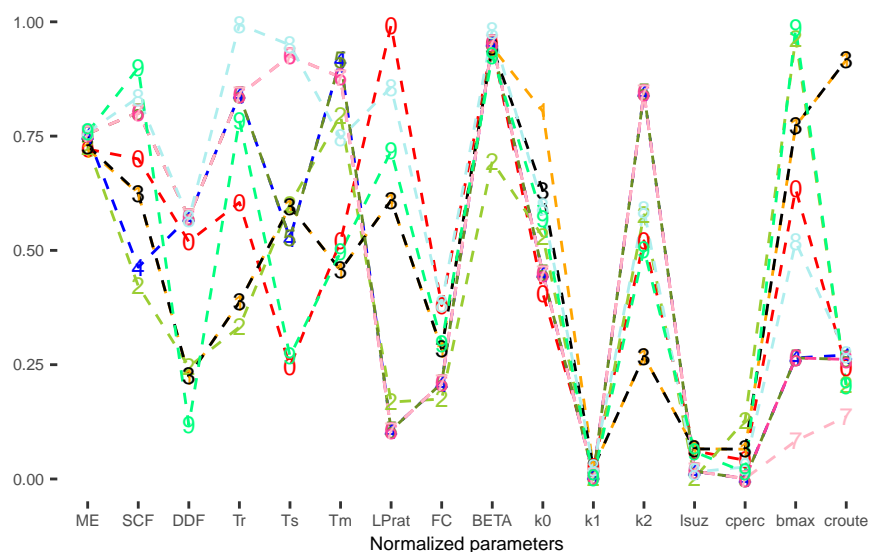
Best 10 parameter sets (ARTSO)



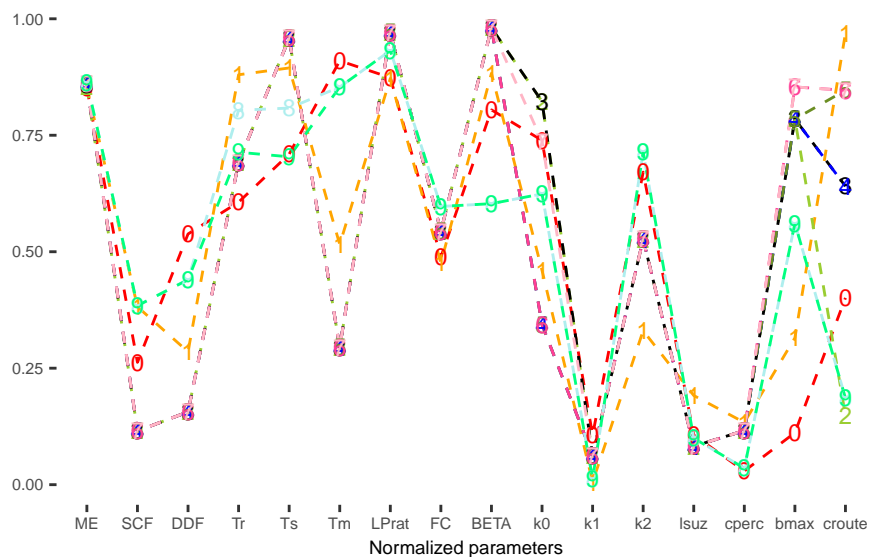
Best 10 parameter sets (AYACH)



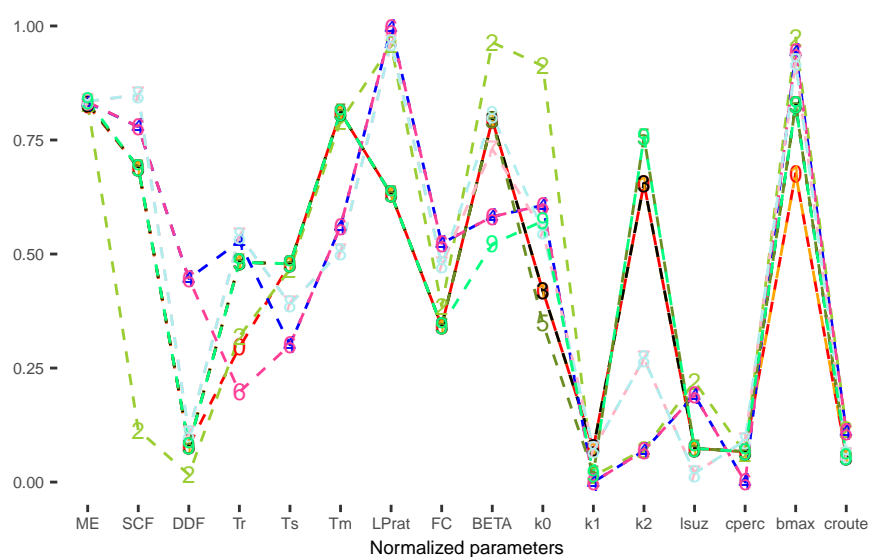
Best 10 parameter sets (BANPO)



Best 10 parameter sets (BANSA)

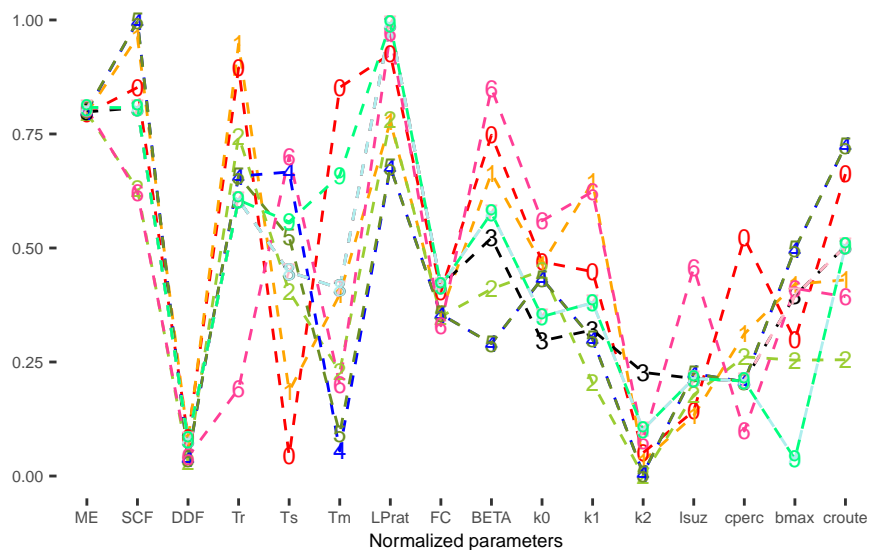


Best 10 parameter sets (BELCA)

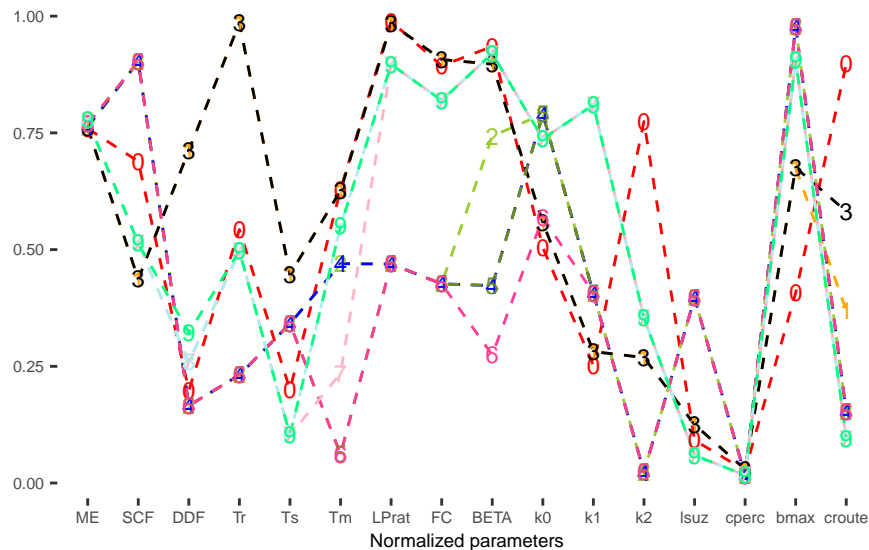




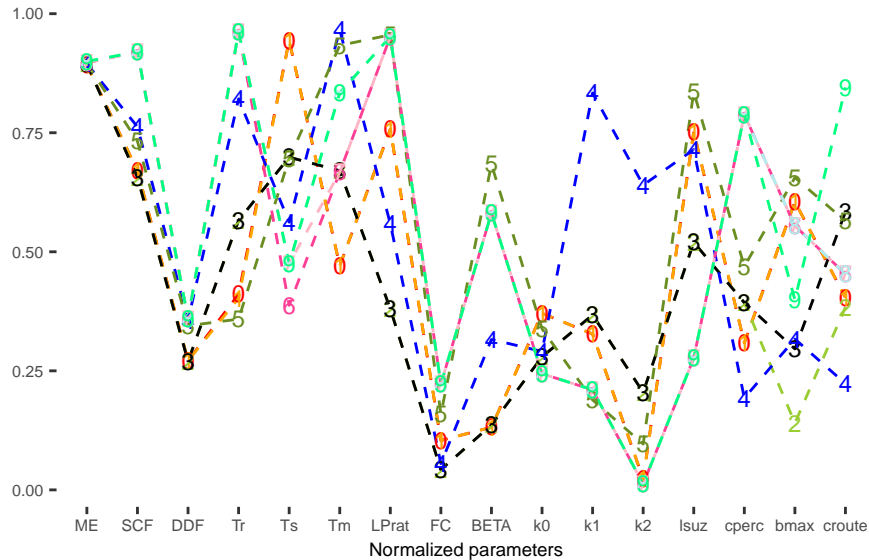
Best 10 parameter sets (BELRO)



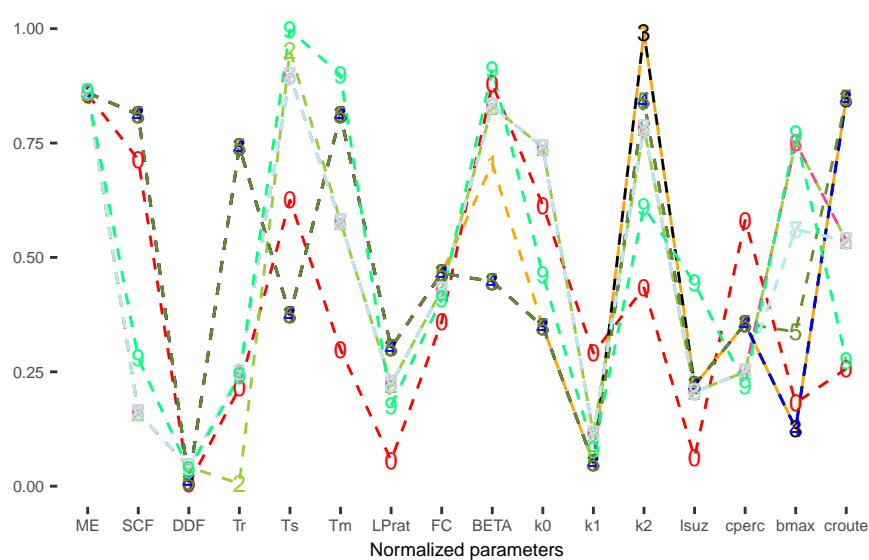
Best 10 parameter sets (BOBBA)



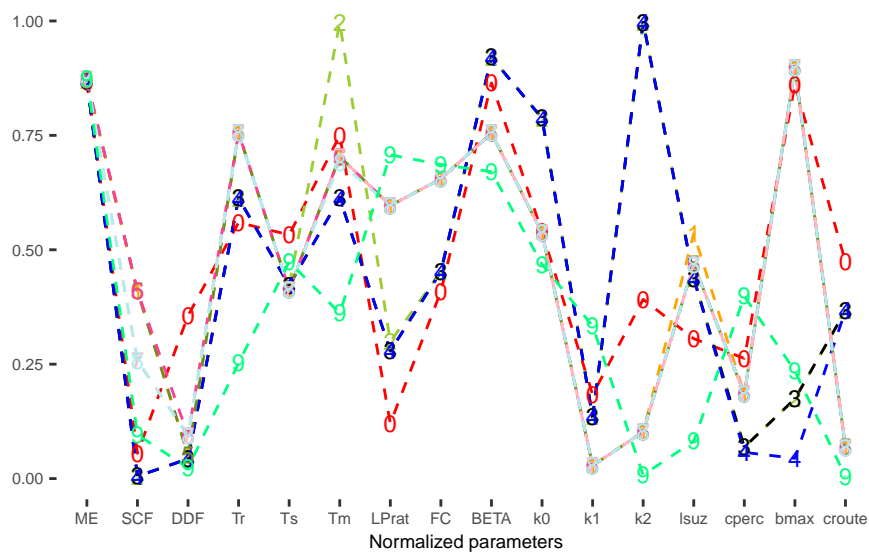
Best 10 parameter sets (BOGPC)



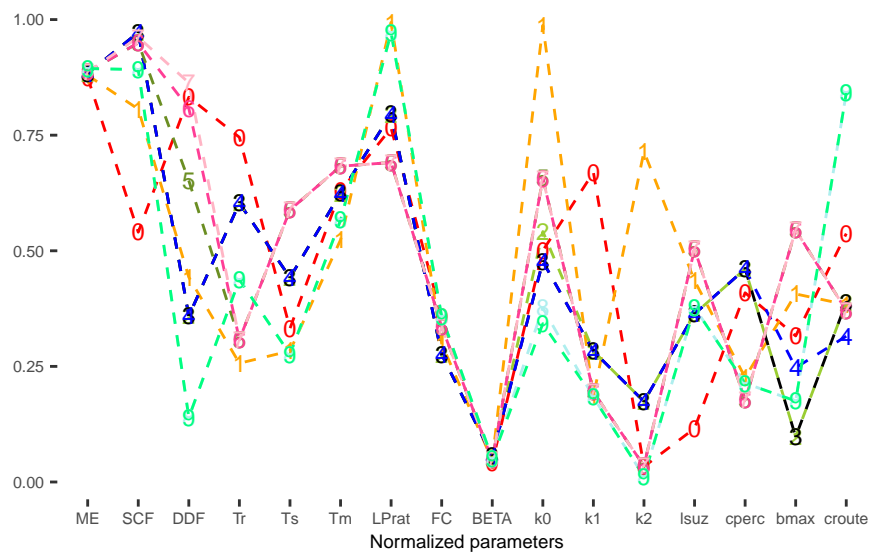
Best 10 parameter sets (BOMCA)



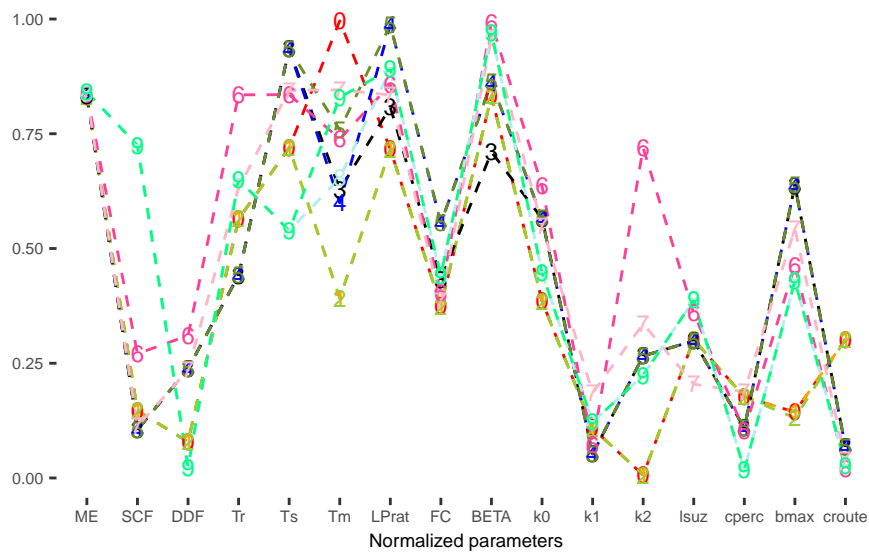
Best 10 parameter sets (BOMCE)



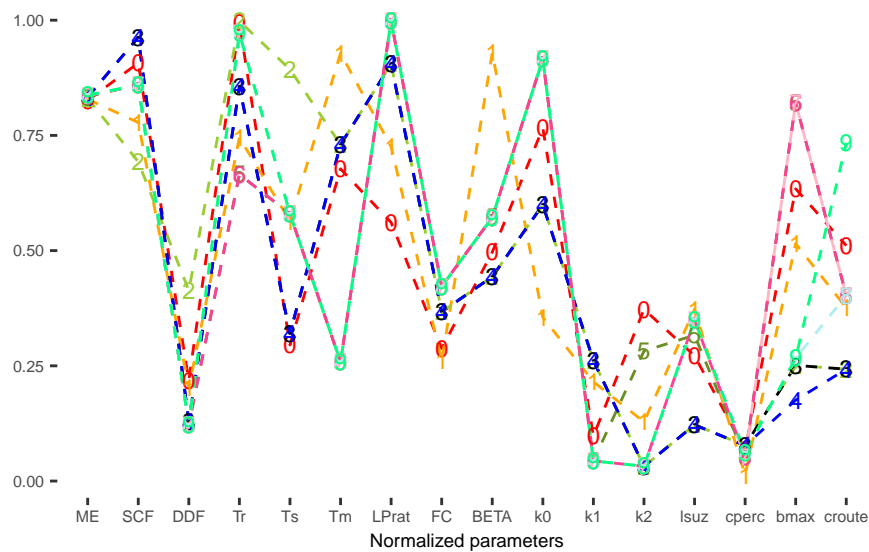
Best 10 parameter sets (BOMMU)



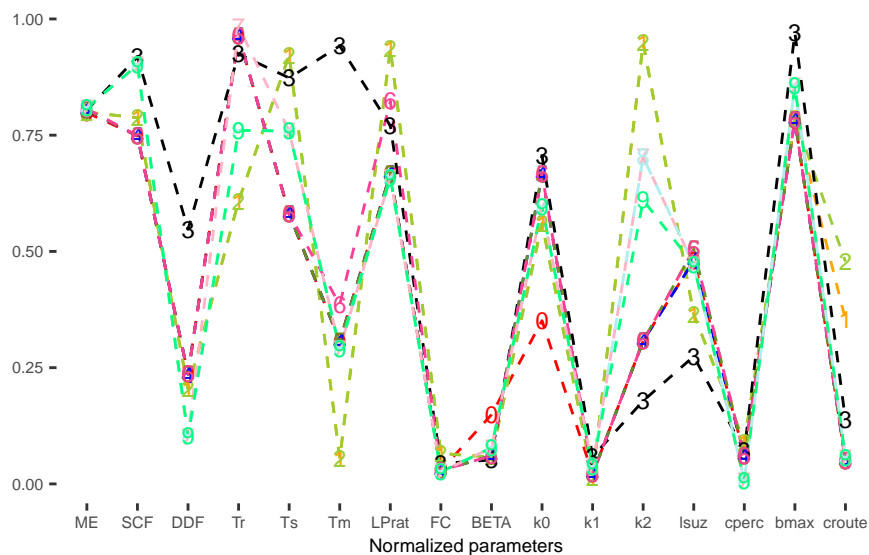
Best 10 parameter sets (BORAL)



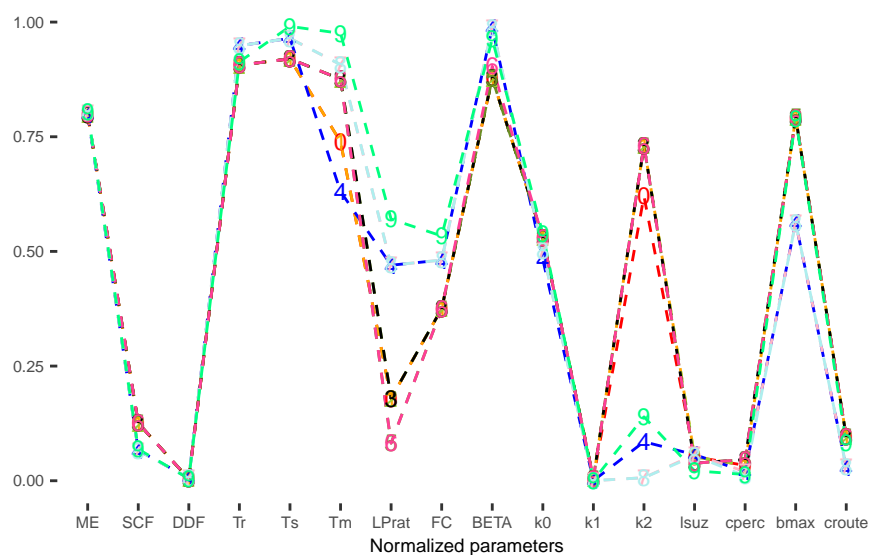
Best 10 parameter sets (BORCA)



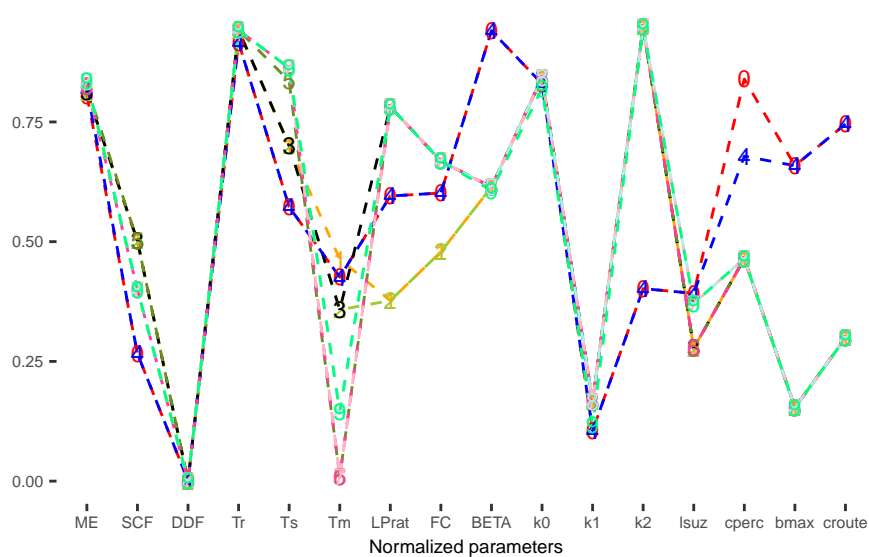
Best 10 parameter sets (BOSMB)



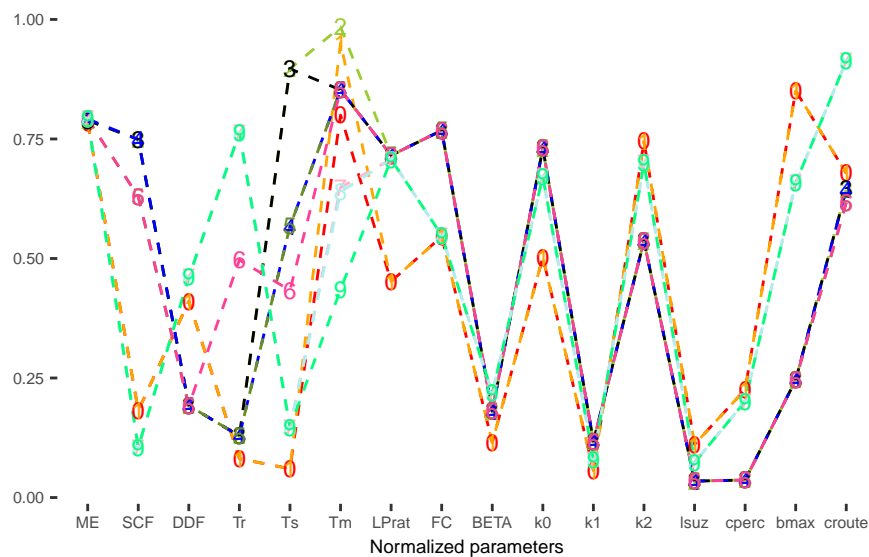
Best 10 parameter sets (BOSPC)



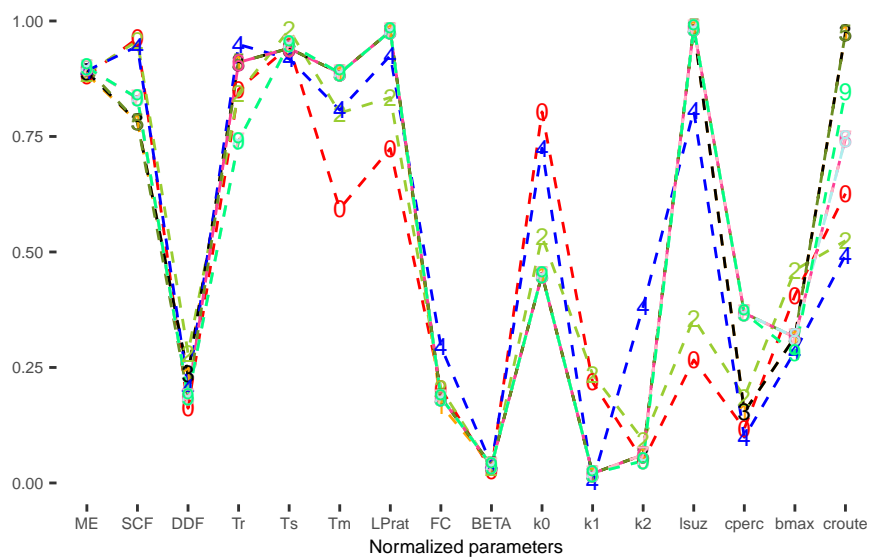
Best 10 parameter sets (BROMA)



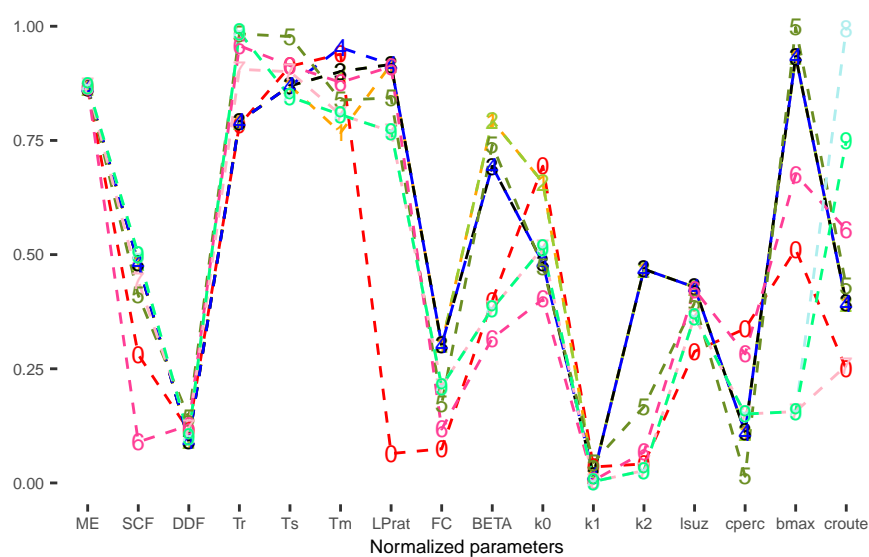
Best 10 parameter sets (BRRSD)



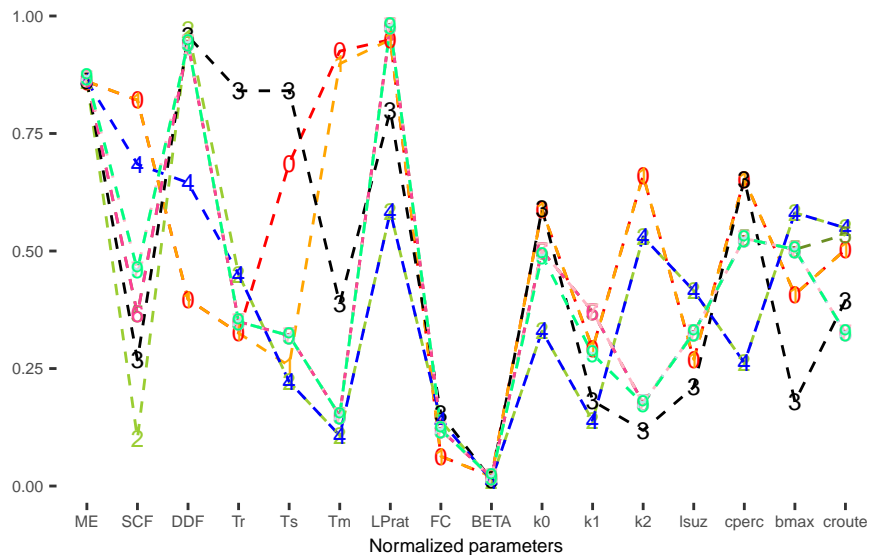
Best 10 parameter sets (CASMO)



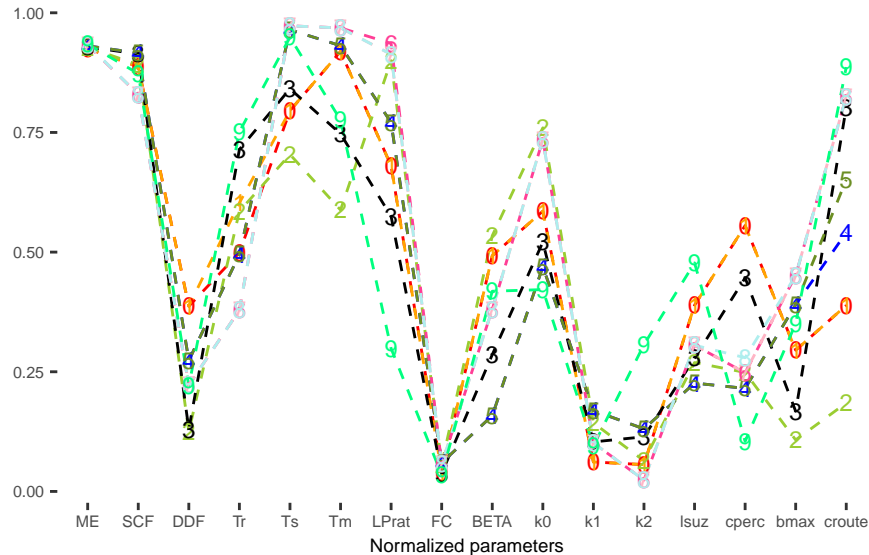
Best 10 parameter sets (CEVPA)



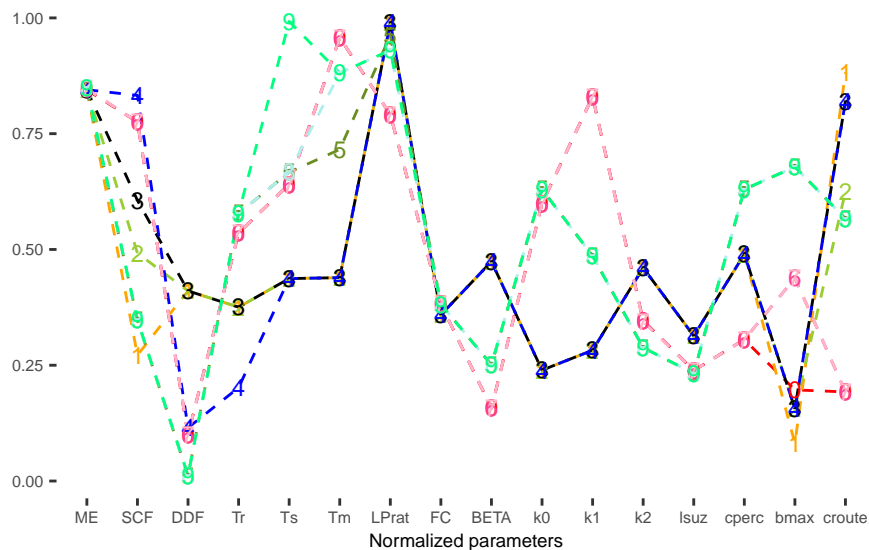
Best 10 parameter sets (CEVQU)



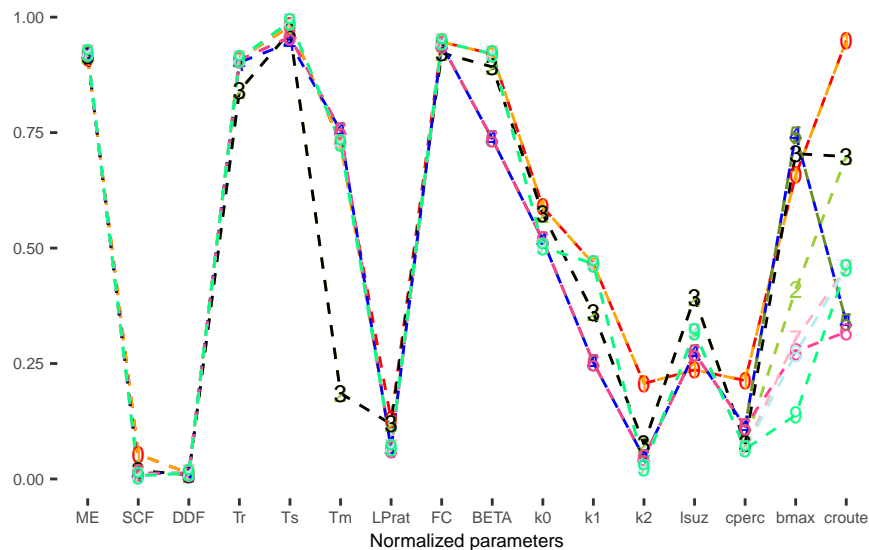
Best 10 parameter sets (CEVVI)



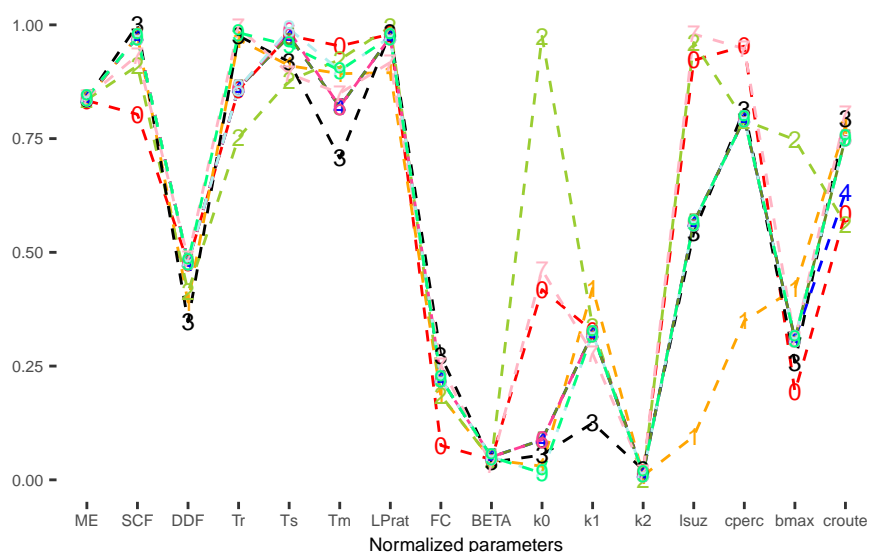
Best 10 parameter sets (CHLLO)



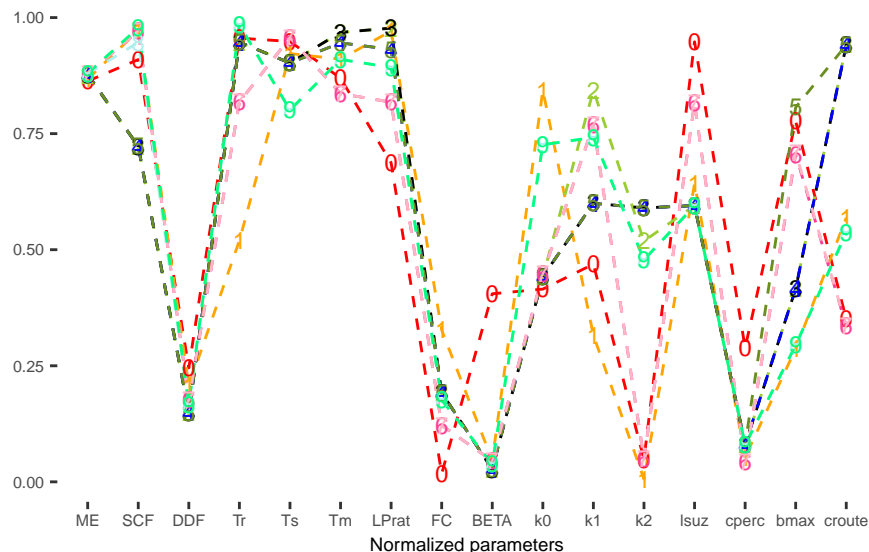
Best 10 parameter sets (CHPIN)



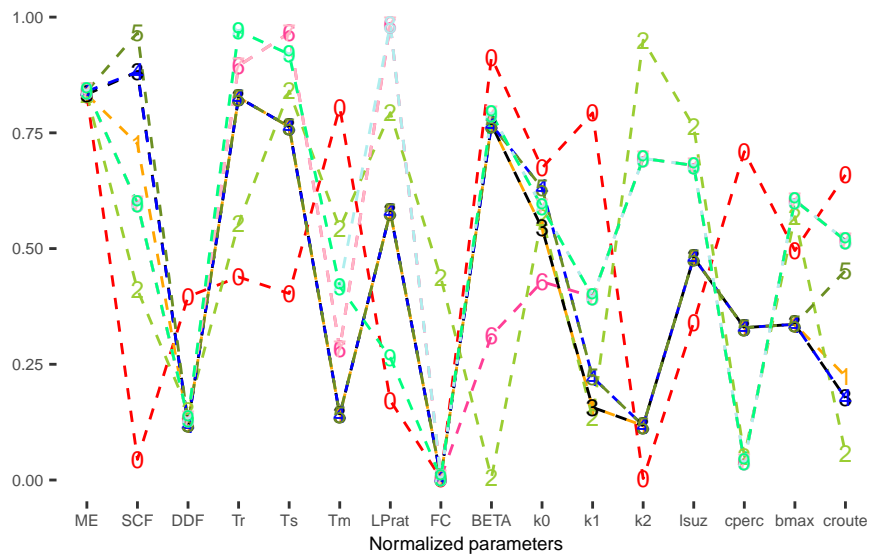
Best 10 parameter sets (CHSSB)



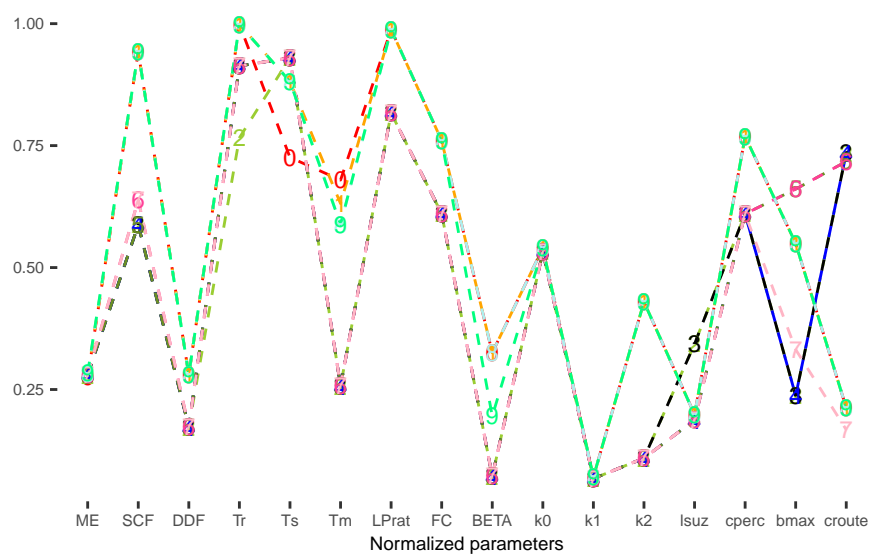
Best 10 parameter sets (CHSSM)



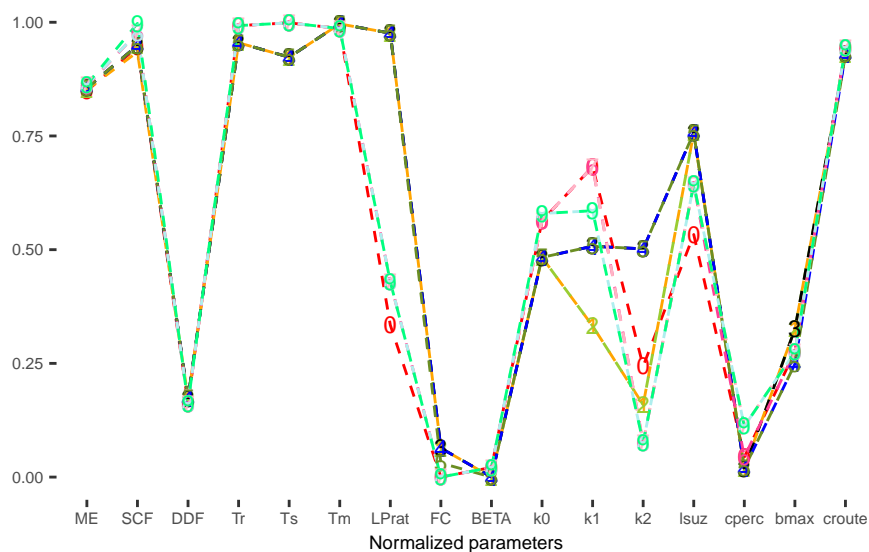
Best 10 parameter sets (CHUPA)



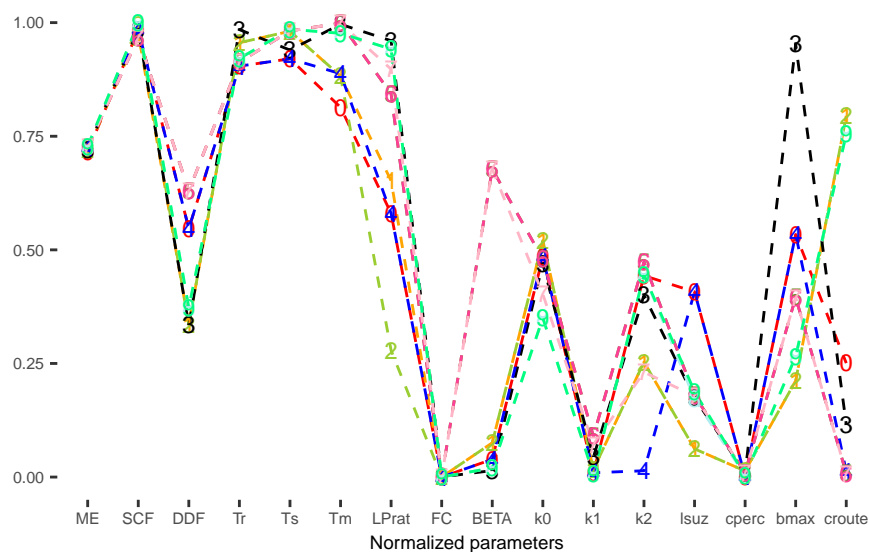
Best 10 parameter sets (CNSSU)



Best 10 parameter sets (CORFS)

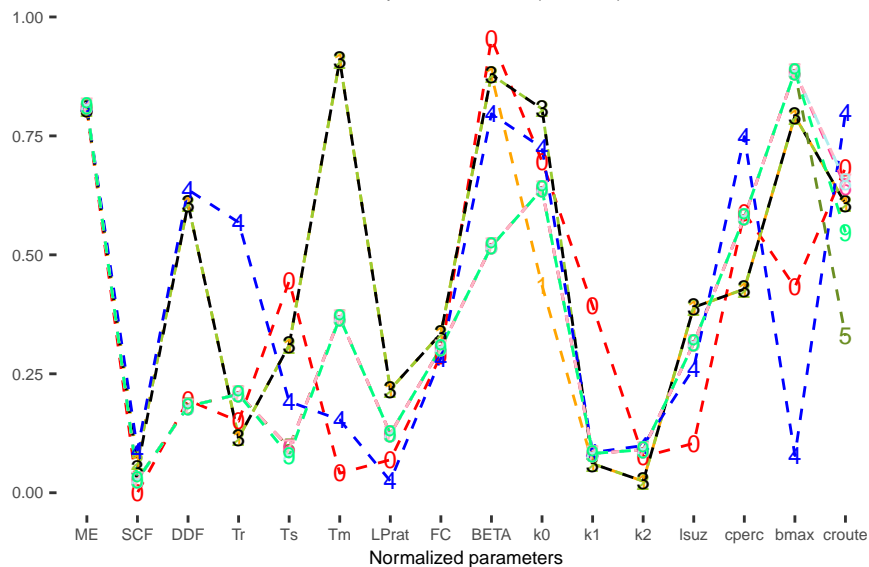


Best 10 parameter sets (CORTM)

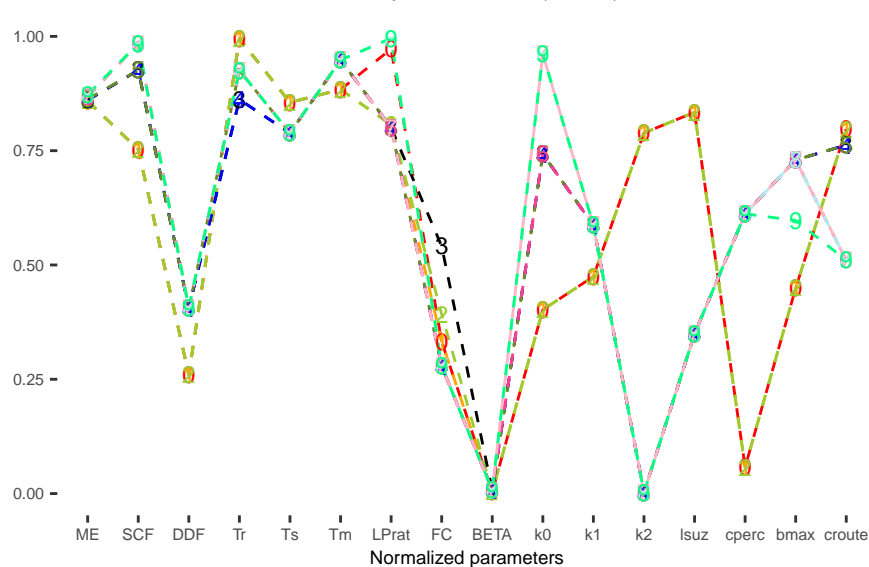




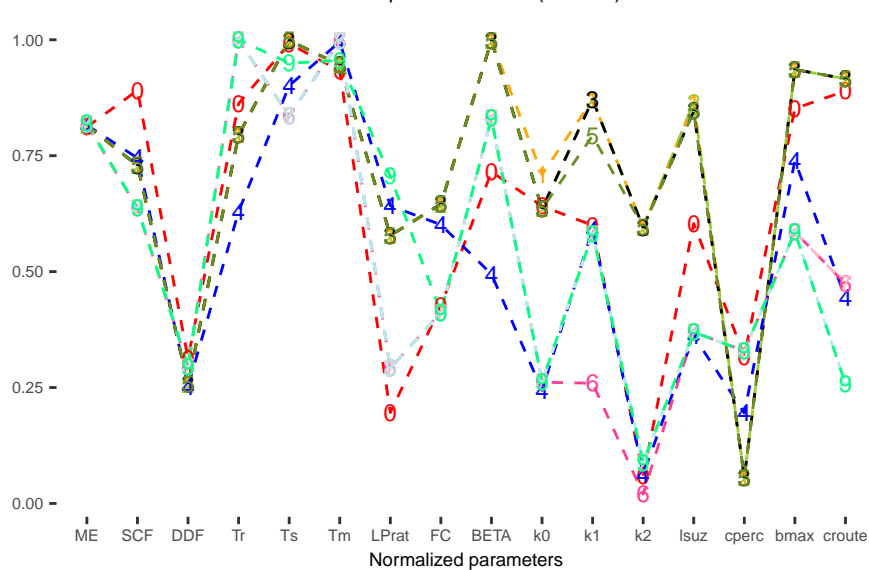
Best 10 parameter sets (CURVO)



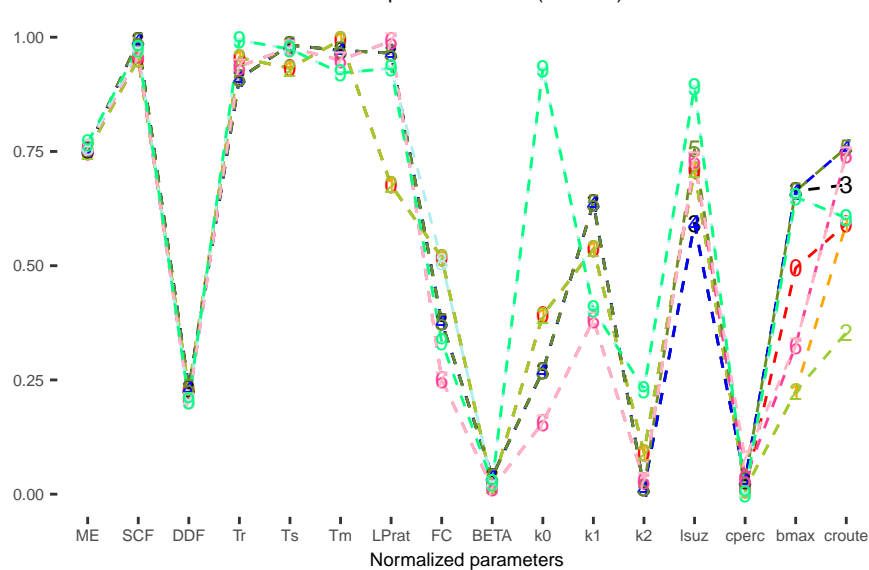
Best 10 parameter sets (DBATA)



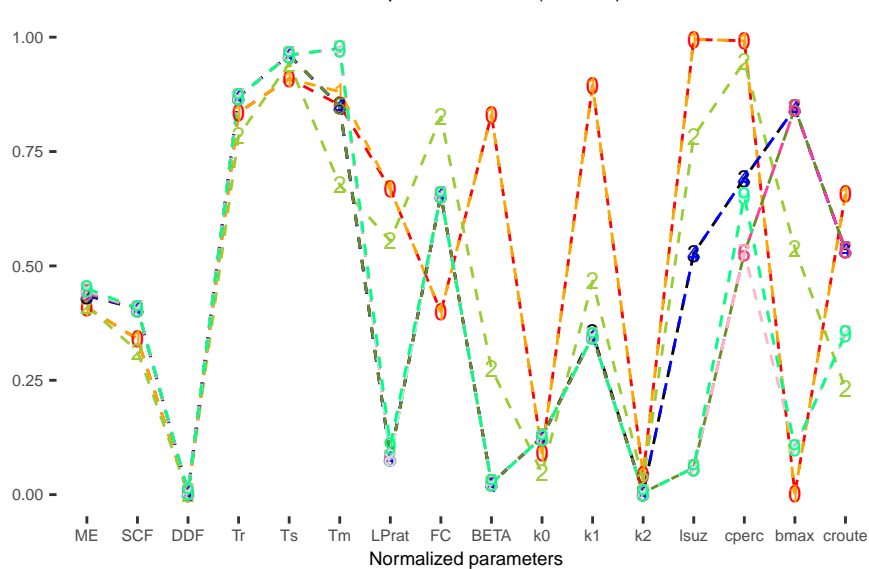
Best 10 parameter sets (DBAVE)



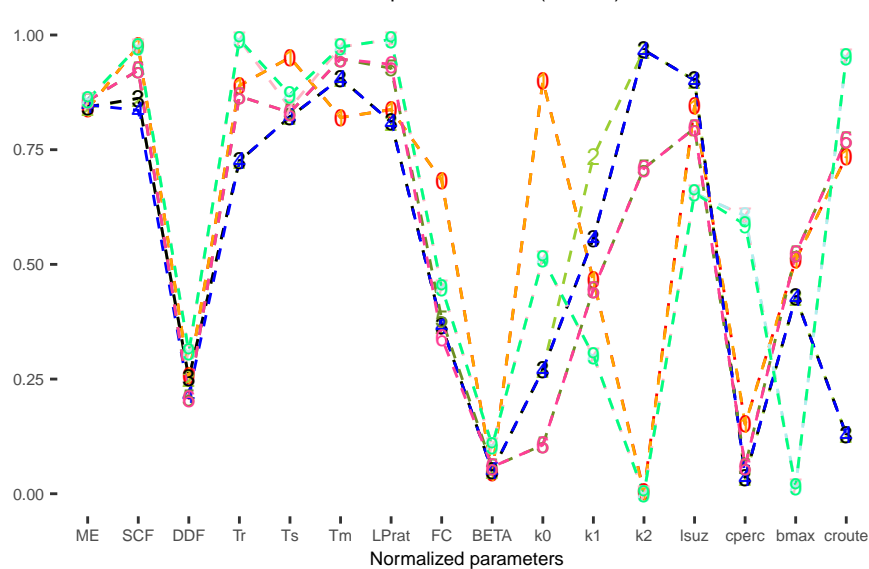
Best 10 parameter sets (DBRBE)



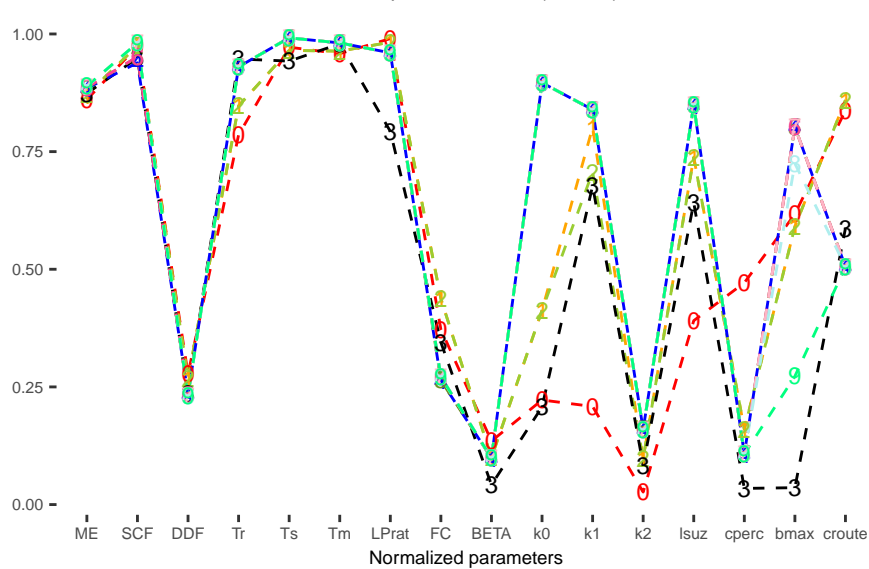
Best 10 parameter sets (DEVBA)



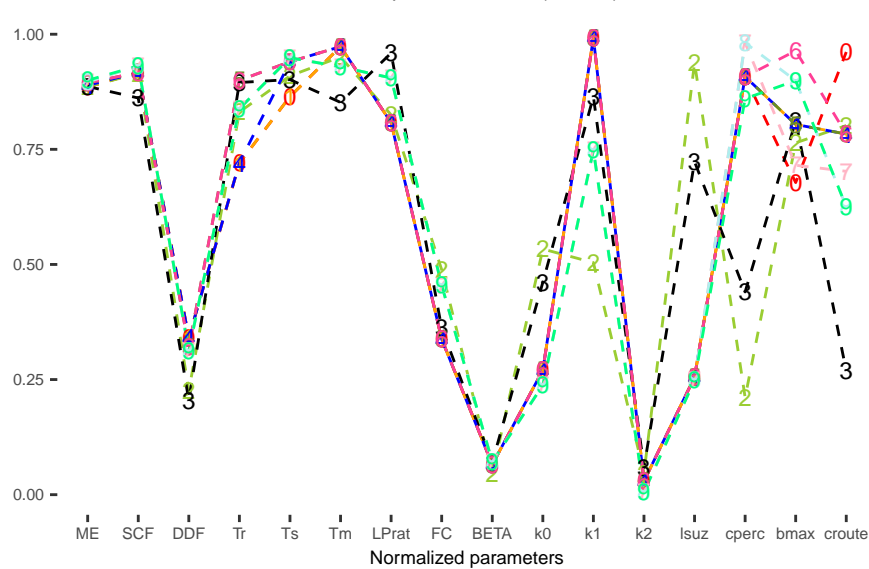
Best 10 parameter sets (DRIOU)



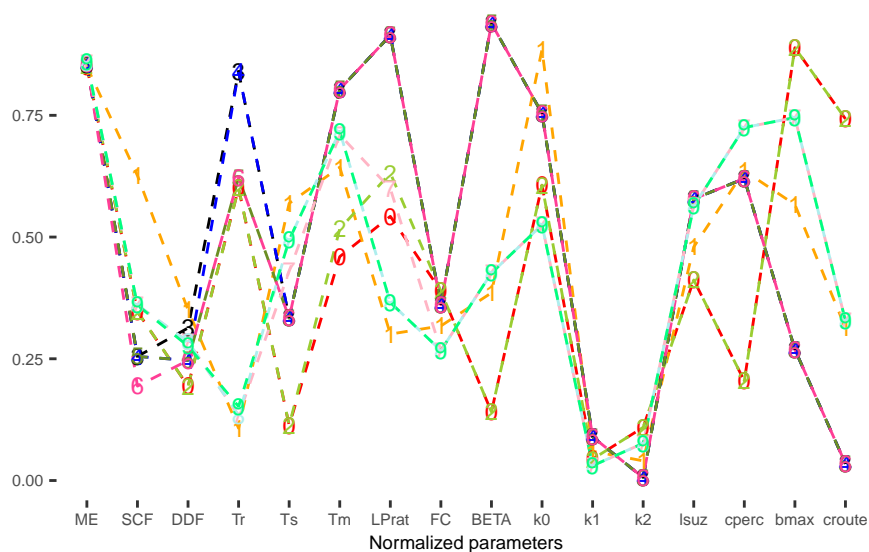
Best 10 parameter sets (DRISU)



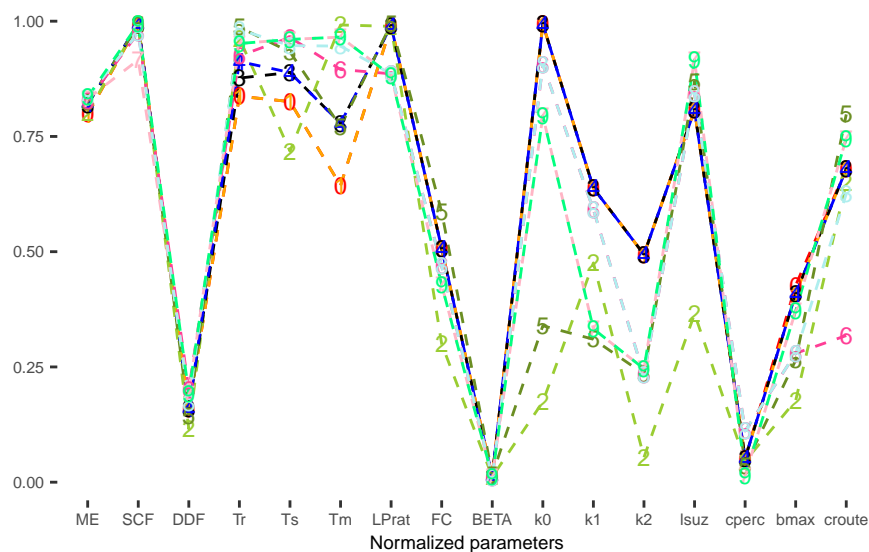
Best 10 parameter sets (DRITO)



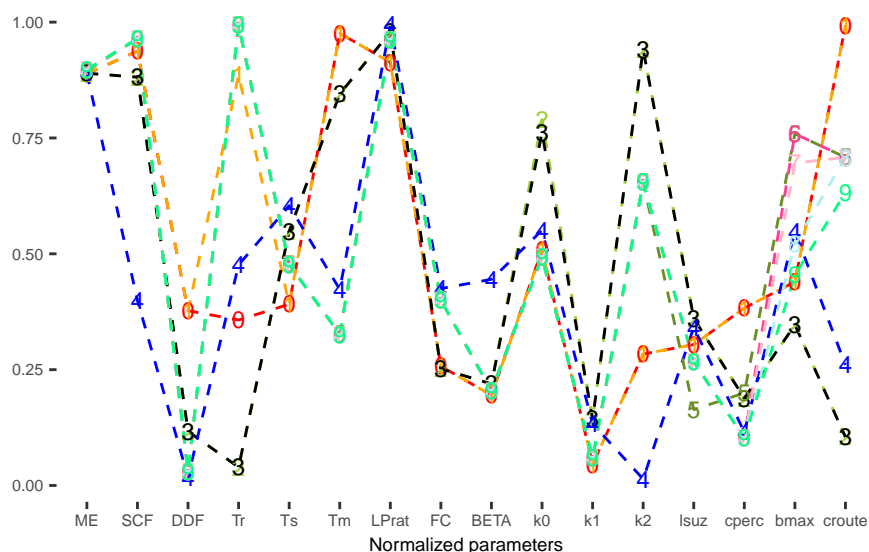
Best 10 parameter sets (ELLMO)



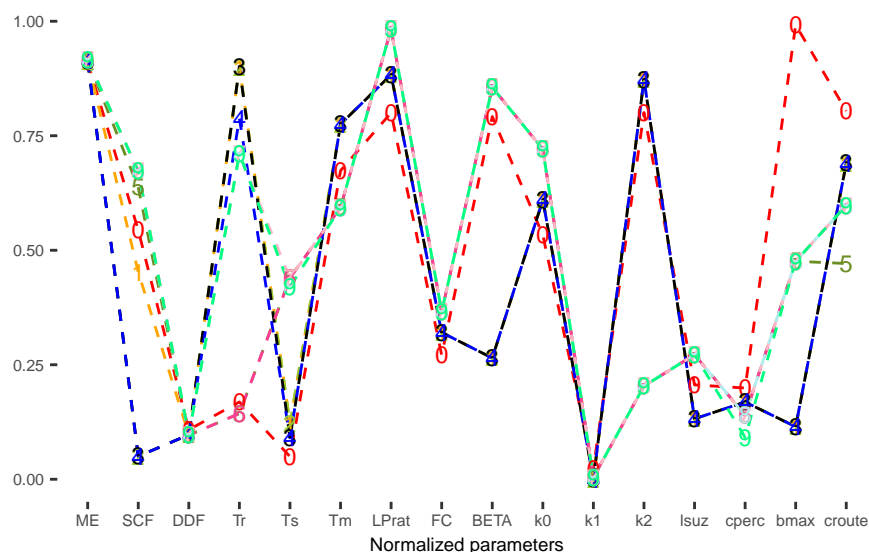
Best 10 parameter sets (ELLRA)



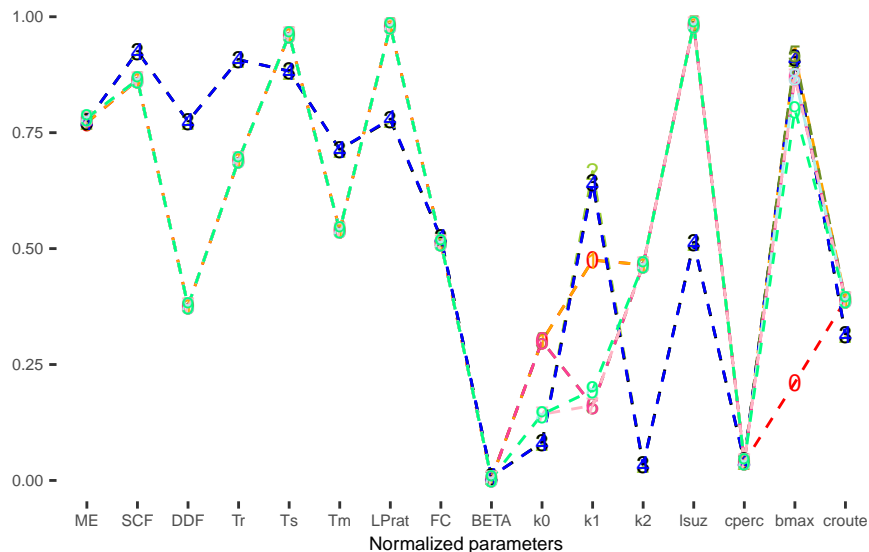
Best 10 parameter sets (ELVCA)



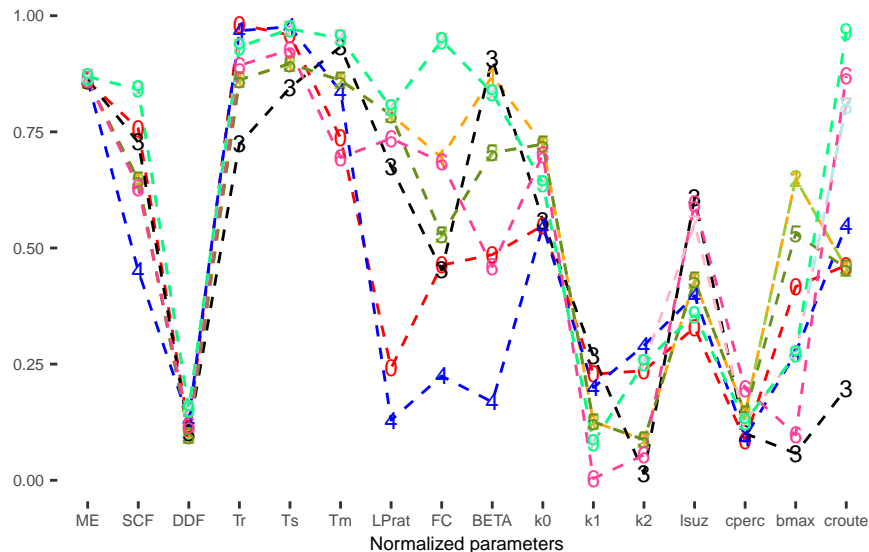
Best 10 parameter sets (ERRCA)



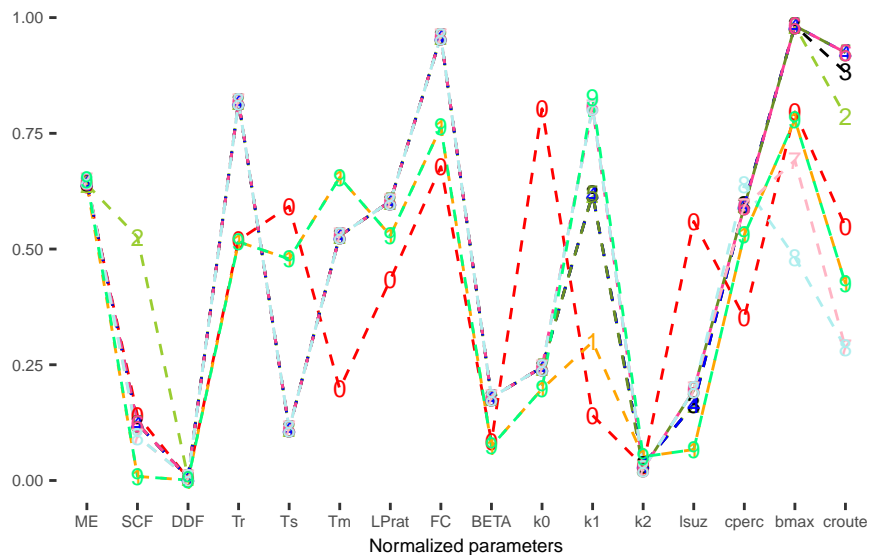
Best 10 parameter sets (EVACH)



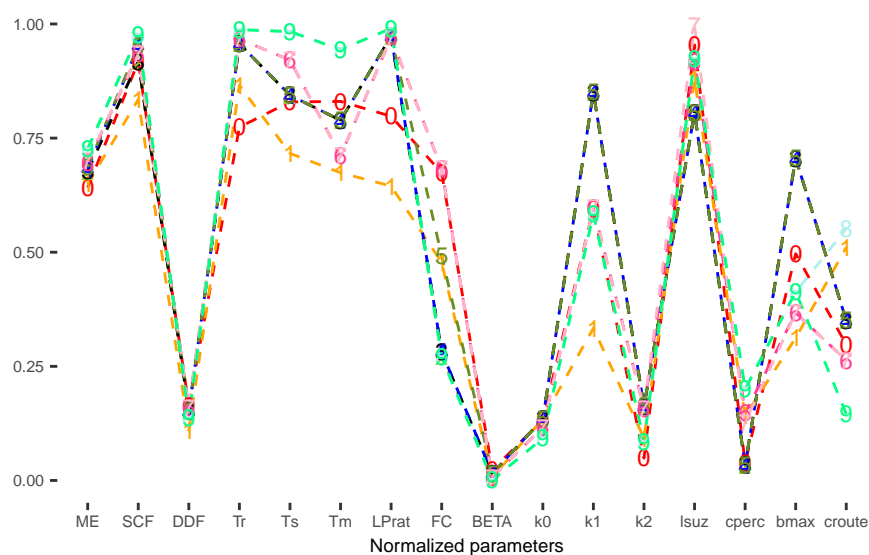
Best 10 parameter sets (GERPE)



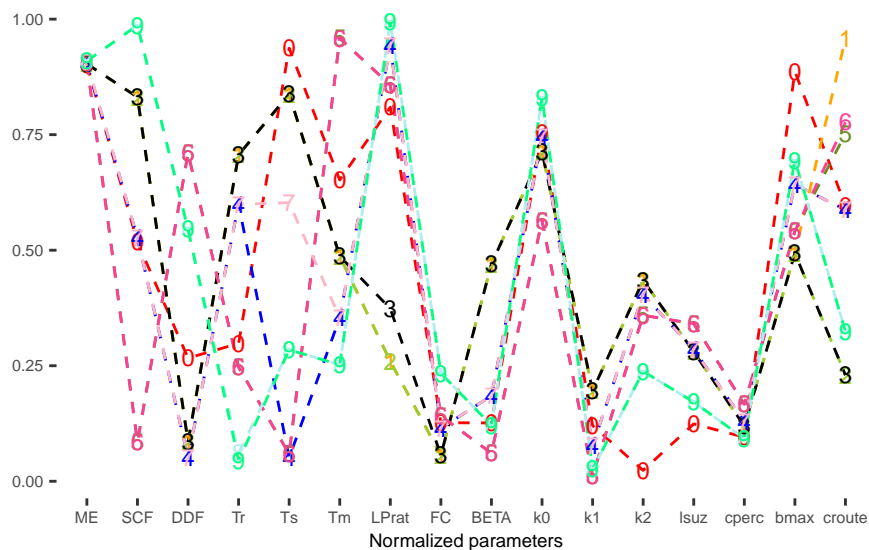
Best 10 parameter sets (GESAN)



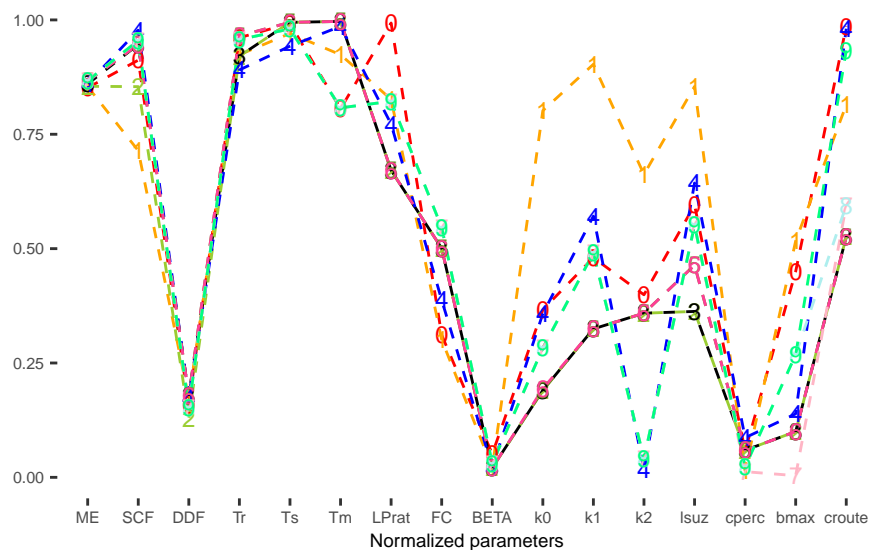
Best 10 parameter sets (GESEN)



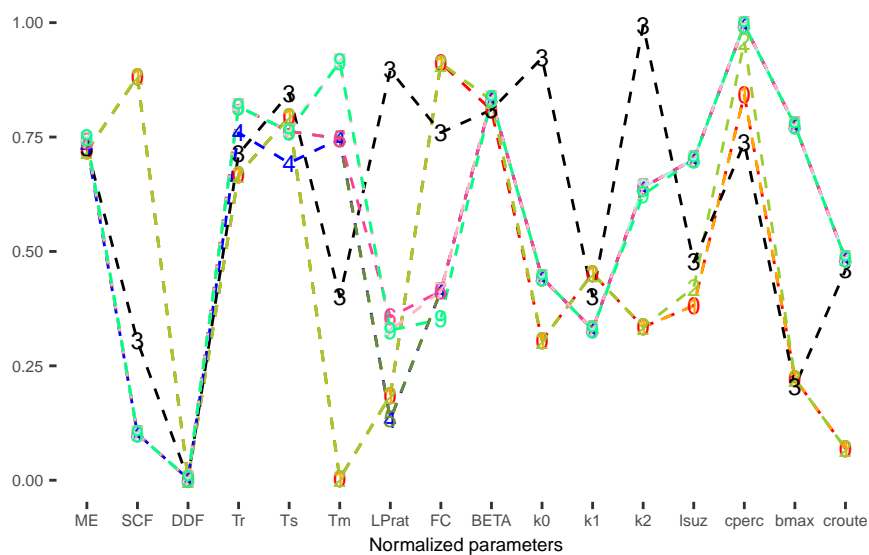
Best 10 parameter sets (GHIST)



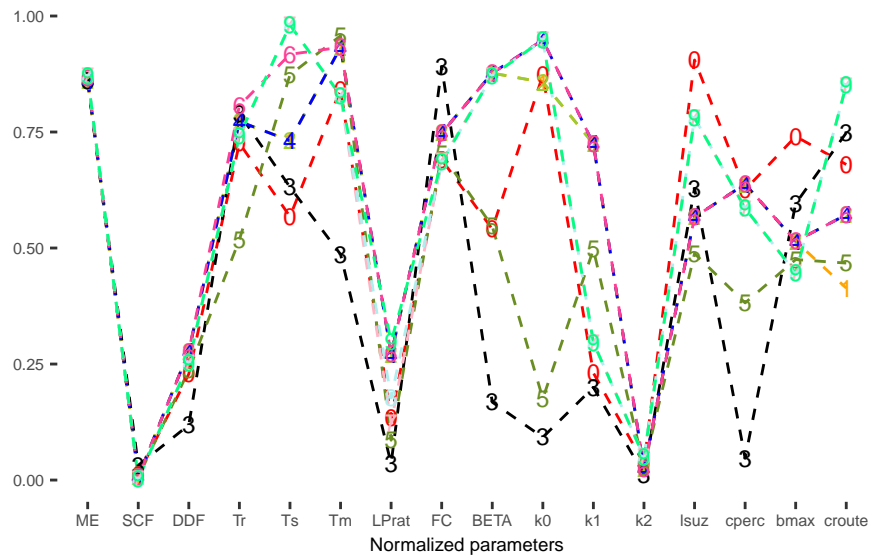
Best 10 parameter sets (GRAMO)



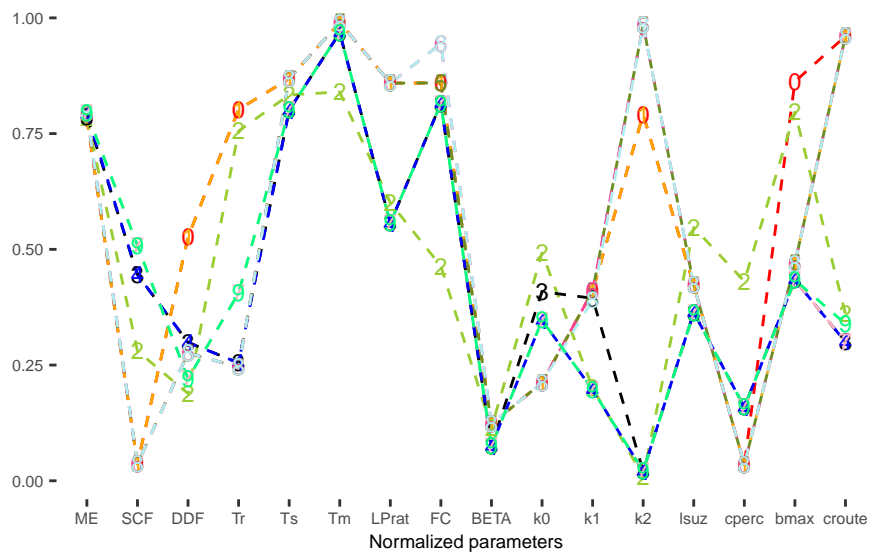
Best 10 parameter sets (ISOPO)



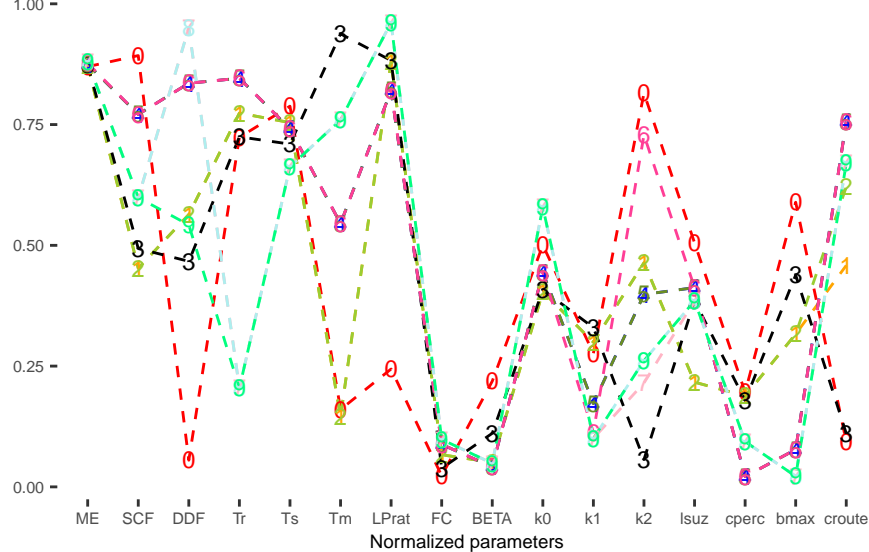
Best 10 parameter sets (MAIBU)



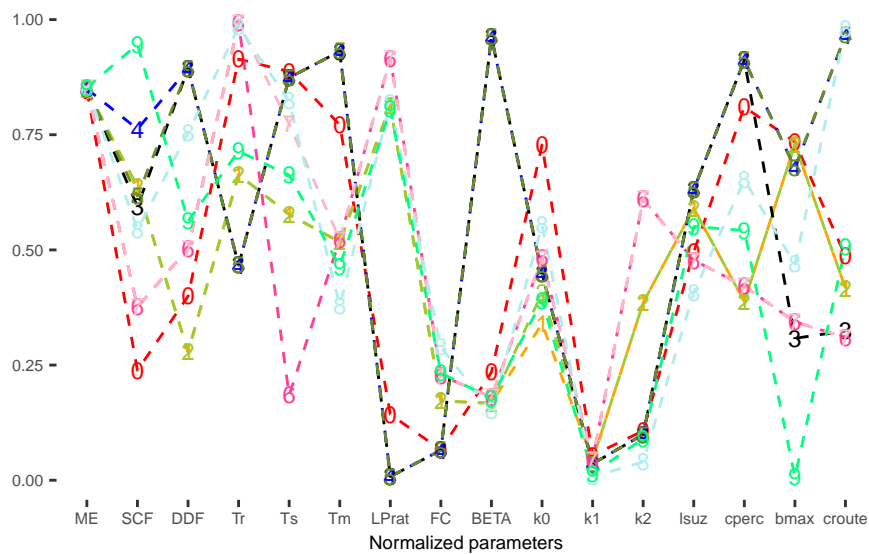
Best 10 parameter sets (MAIRC)



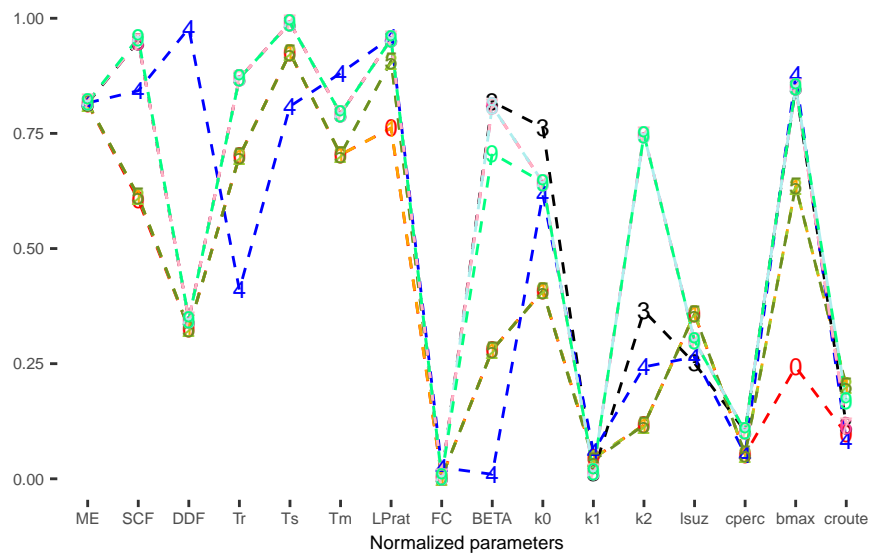
Best 10 parameter sets (MALBR)



Best 10 parameter sets (MALFR)

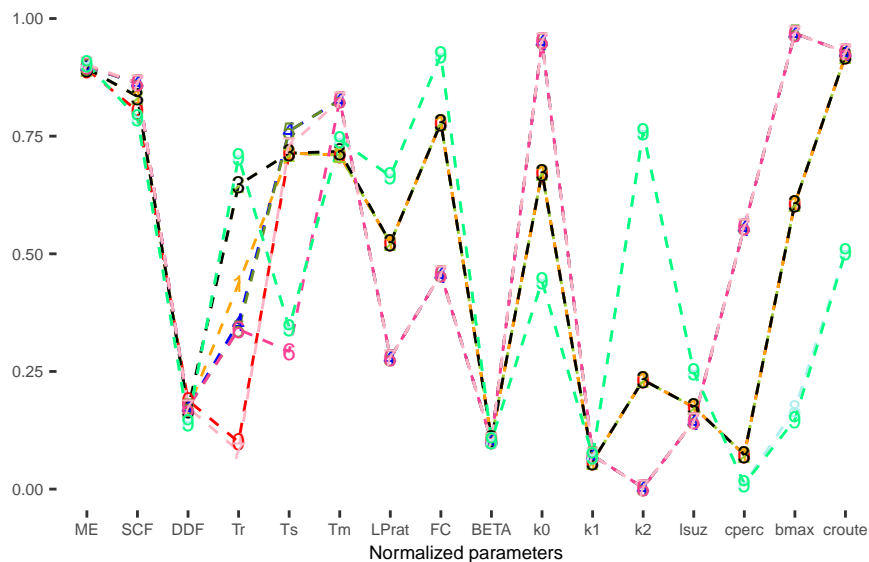


Best 10 parameter sets (MASPF)

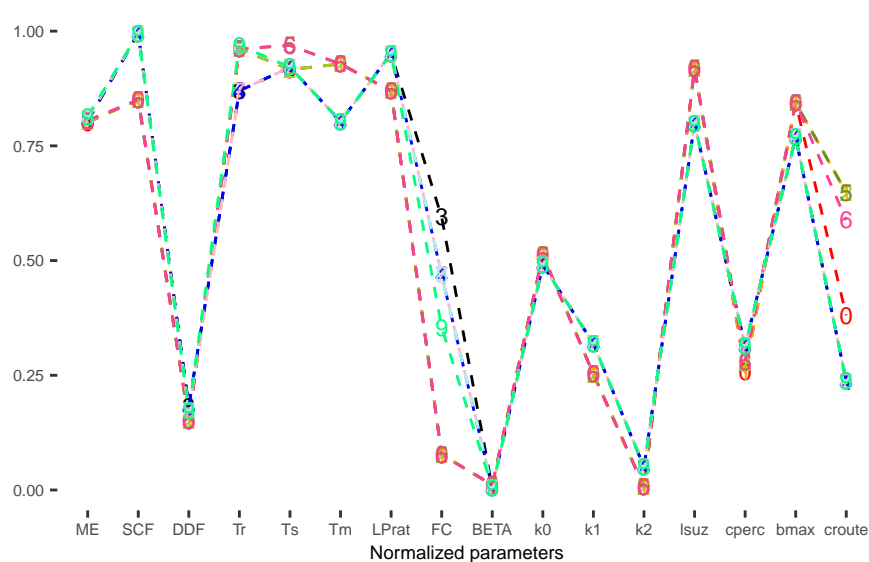




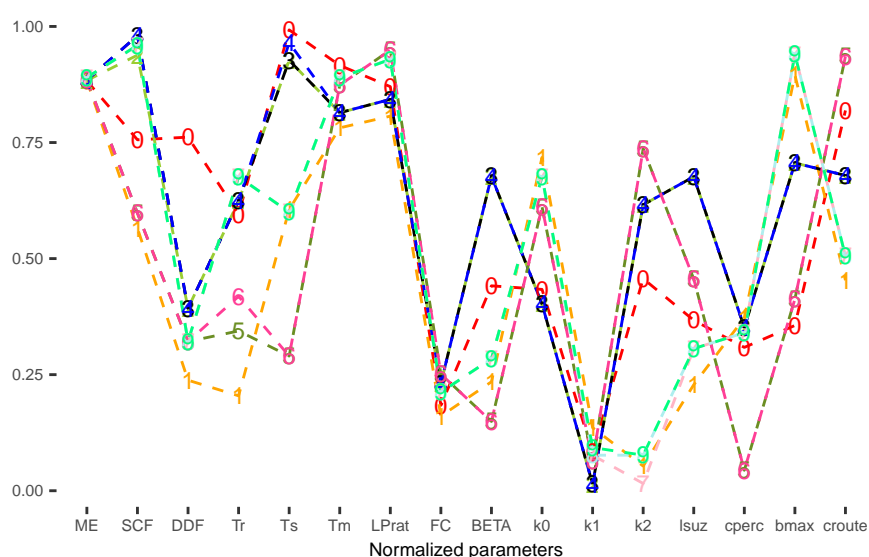
Best 10 parameter sets (MONMO)



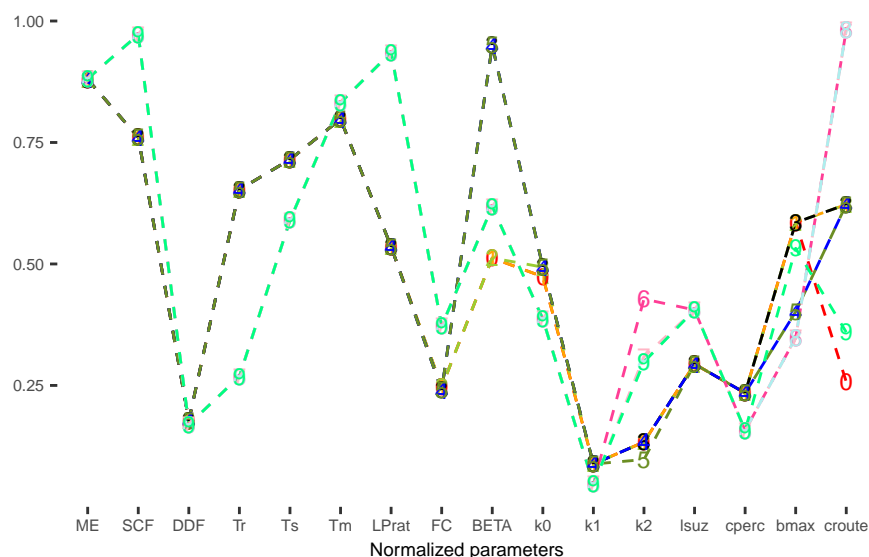
Best 10 parameter sets (NEGPO)



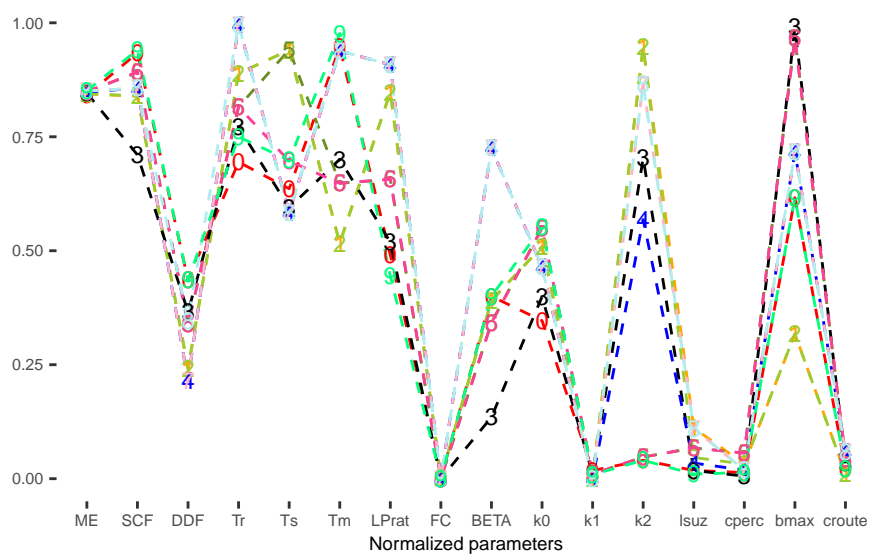
Best 10 parameter sets (ORBBA)



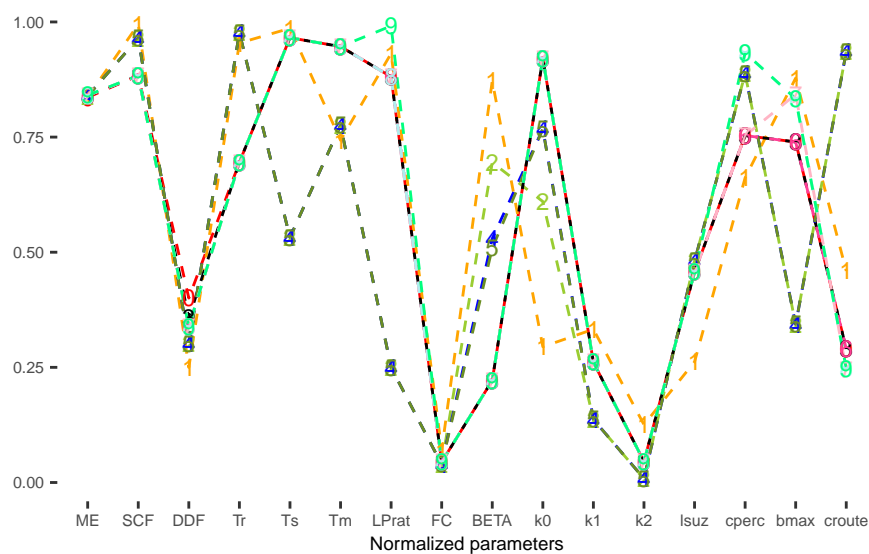
Best 10 parameter sets (ORBCA)



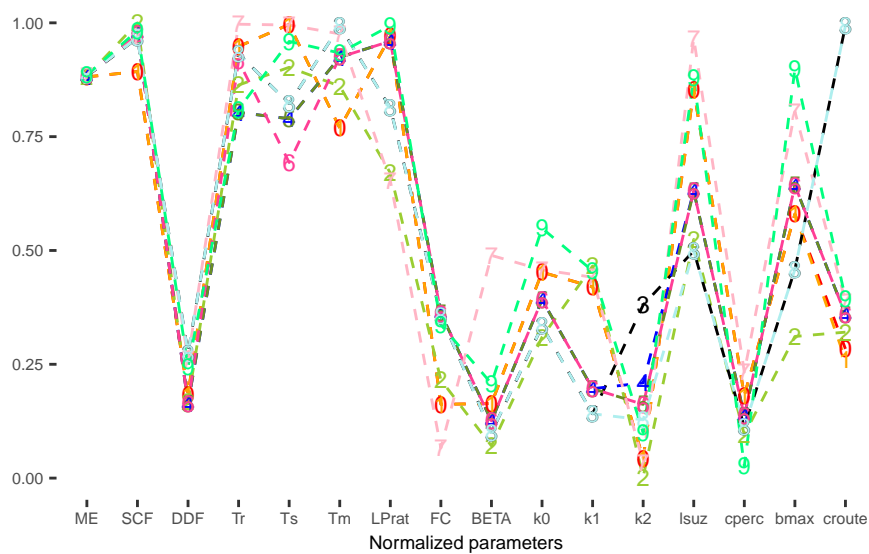
Best 10 parameter sets (ORBTI)



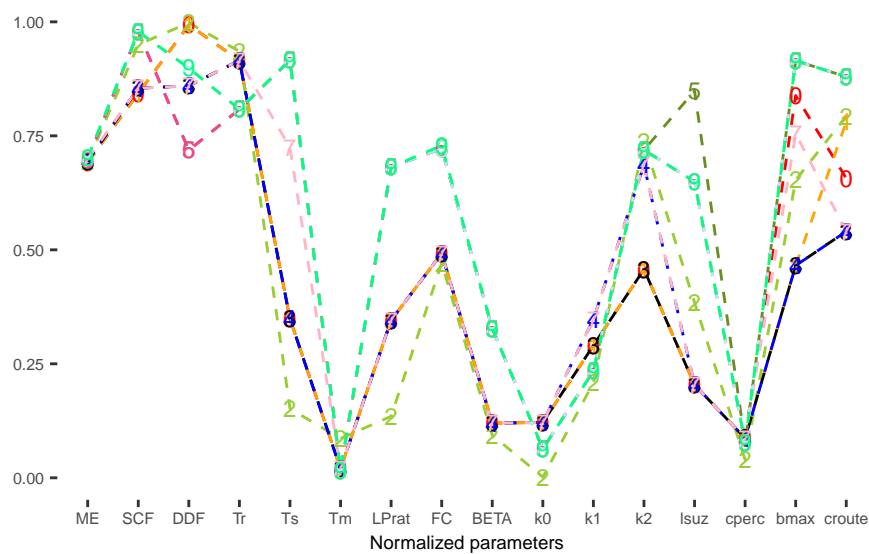
Best 10 parameter sets (ORCCU)



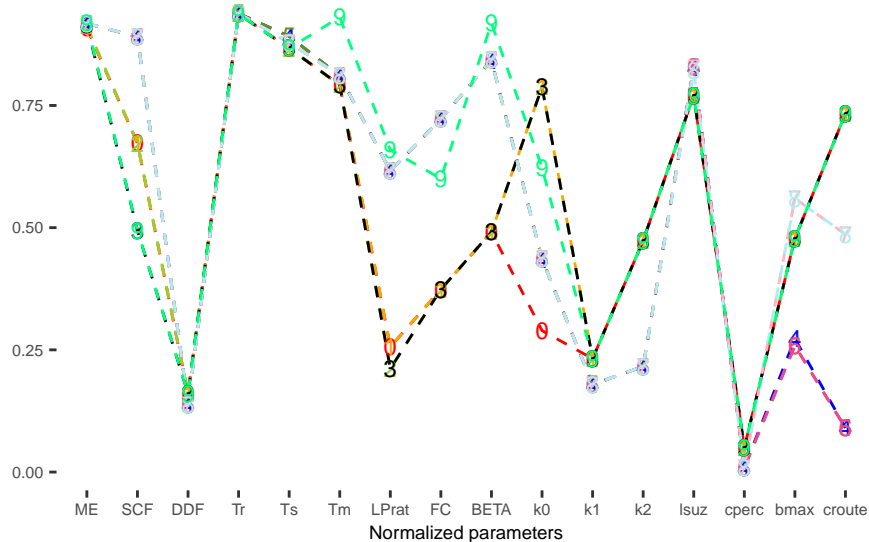
Best 10 parameter sets (ORCSB)



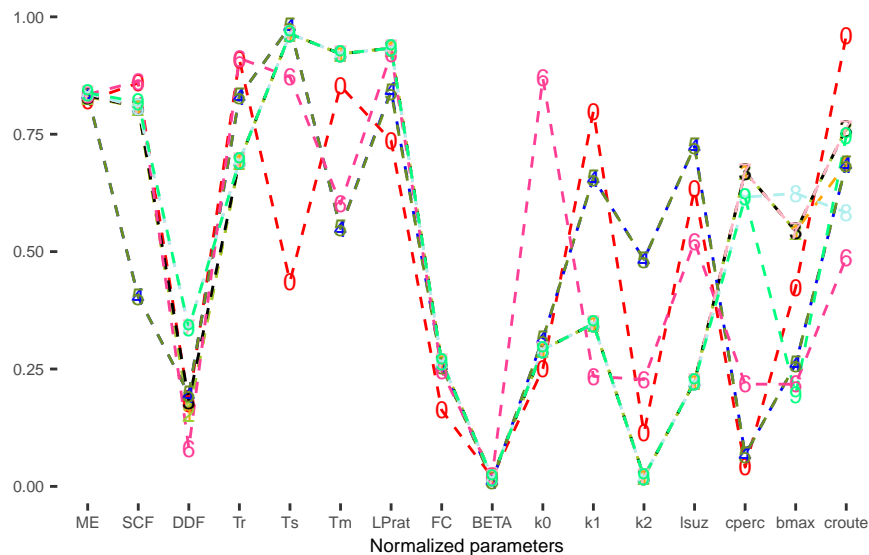
Best 10 parameter sets (PELLU)



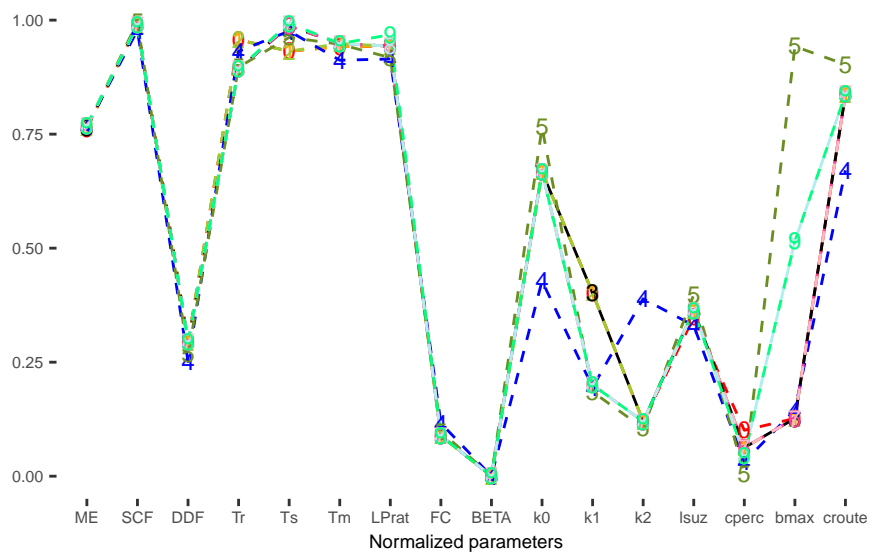
Best 10 parameter sets (PELVI)



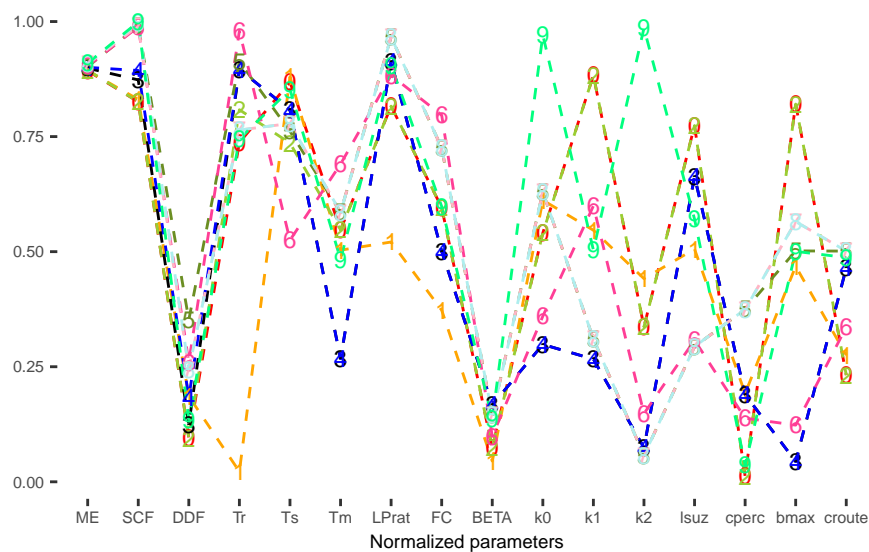
Best 10 parameter sets (PESCA)



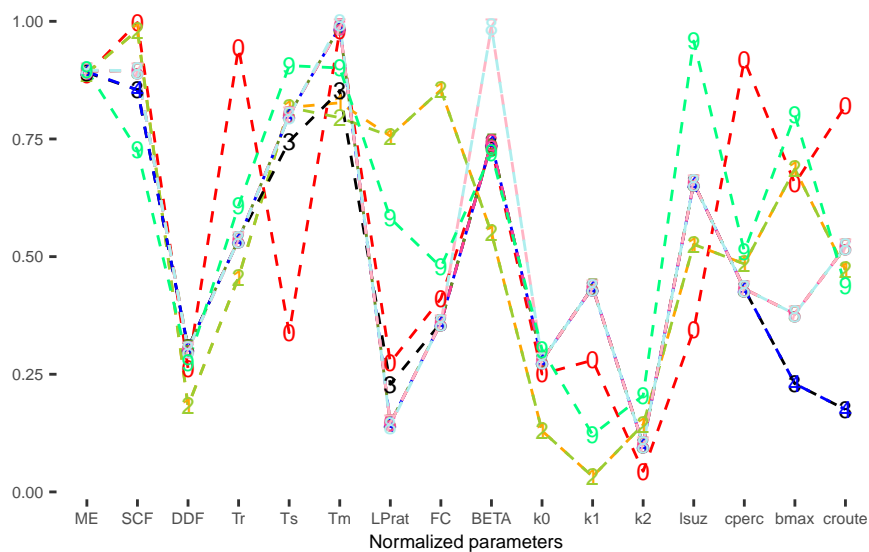
Best 10 parameter sets (PESSB)



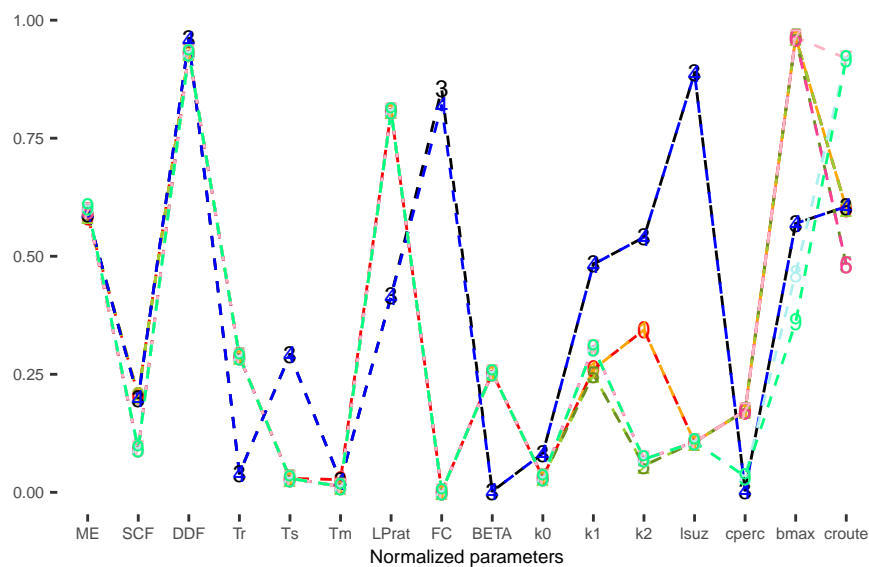
Best 10 parameter sets (POCA)



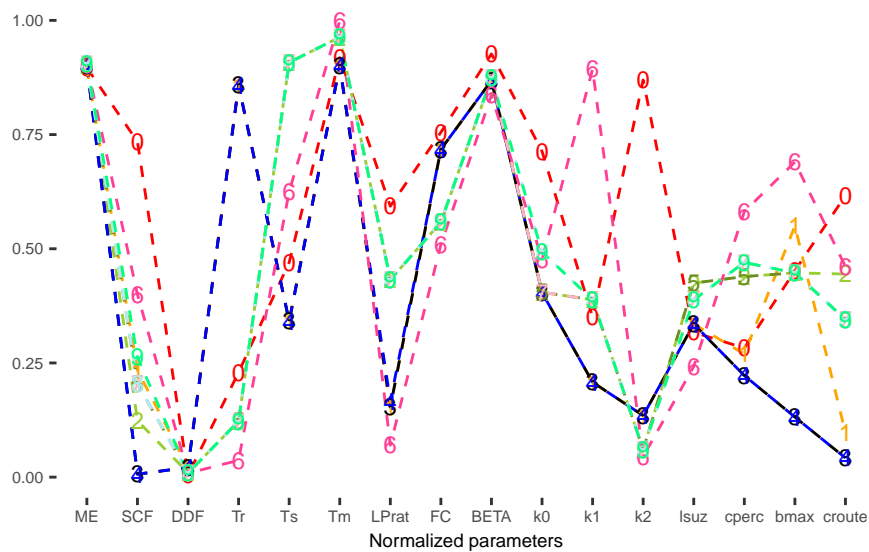
Best 10 parameter sets (POCM)



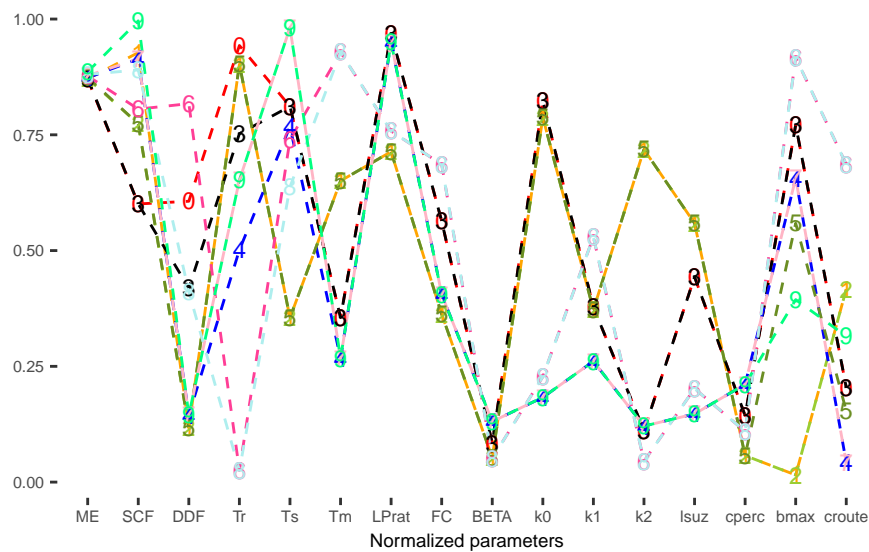
Best 10 parameter sets (POCS)



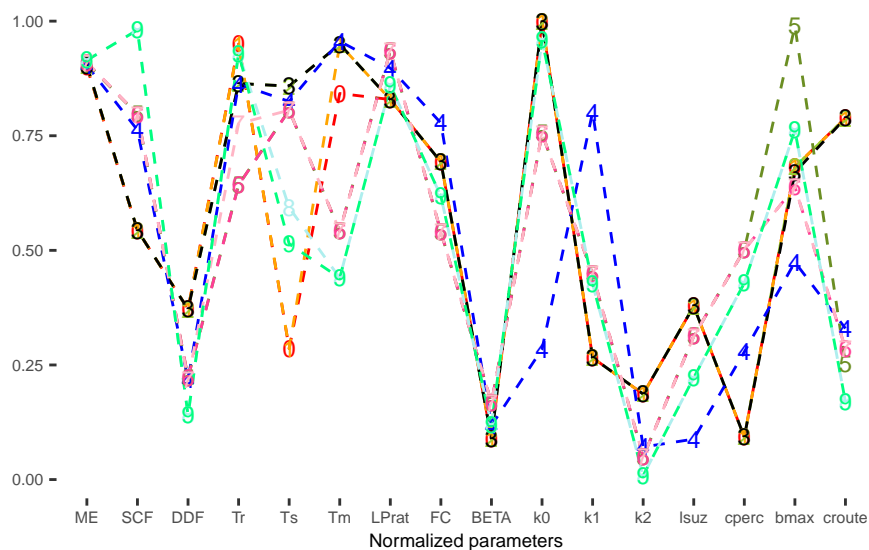
Best 10 parameter sets (POCT)



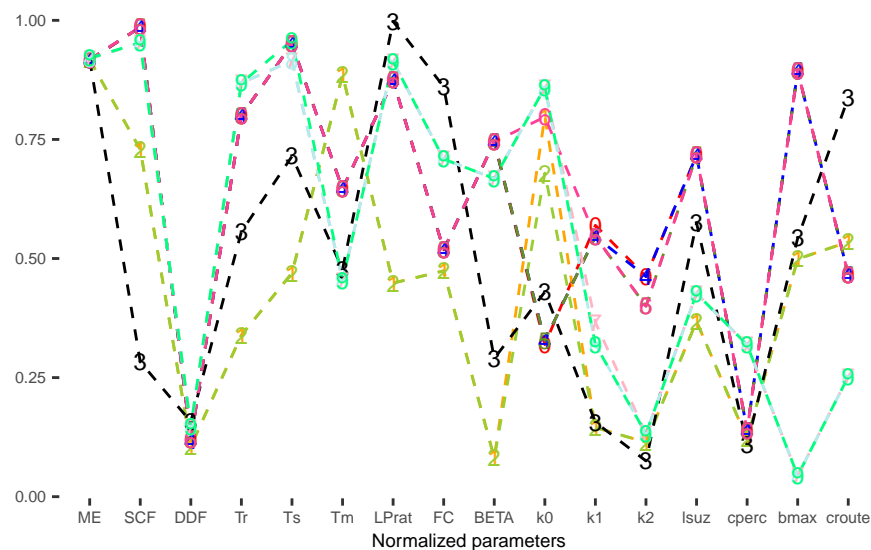
Best 10 parameter sets (POIS)



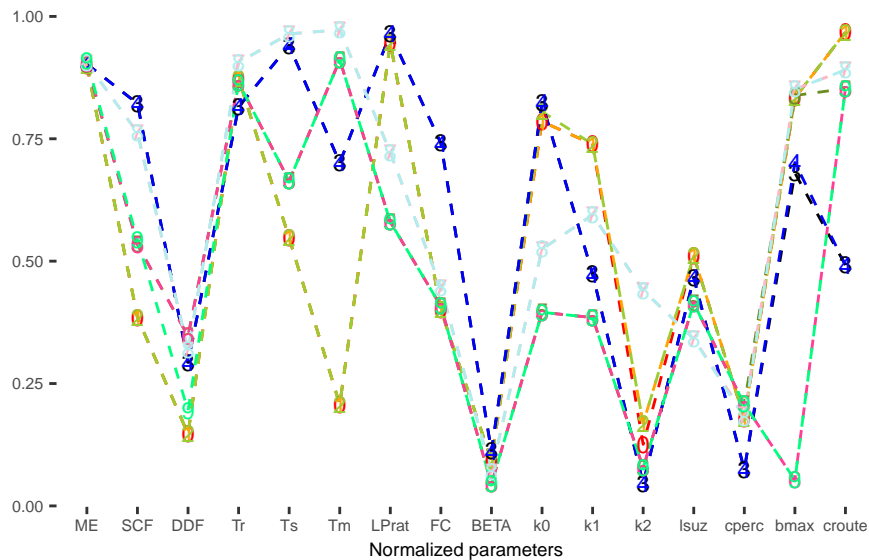
Best 10 parameter sets (POMO)



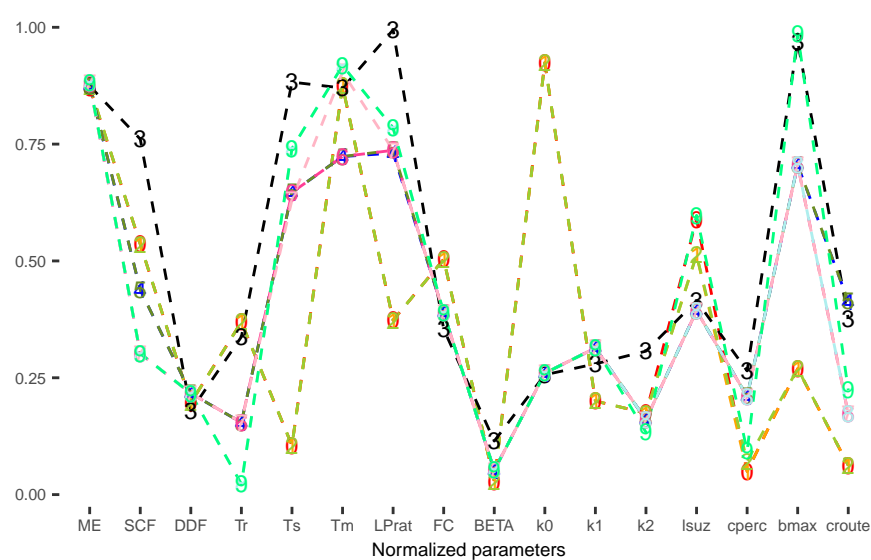
Best 10 parameter sets (POSS)



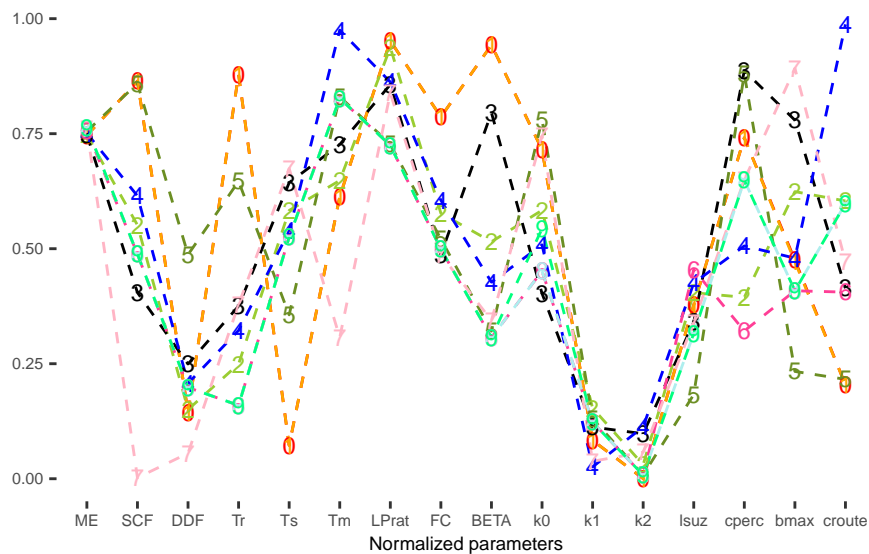
Best 10 parameter sets (POTO)



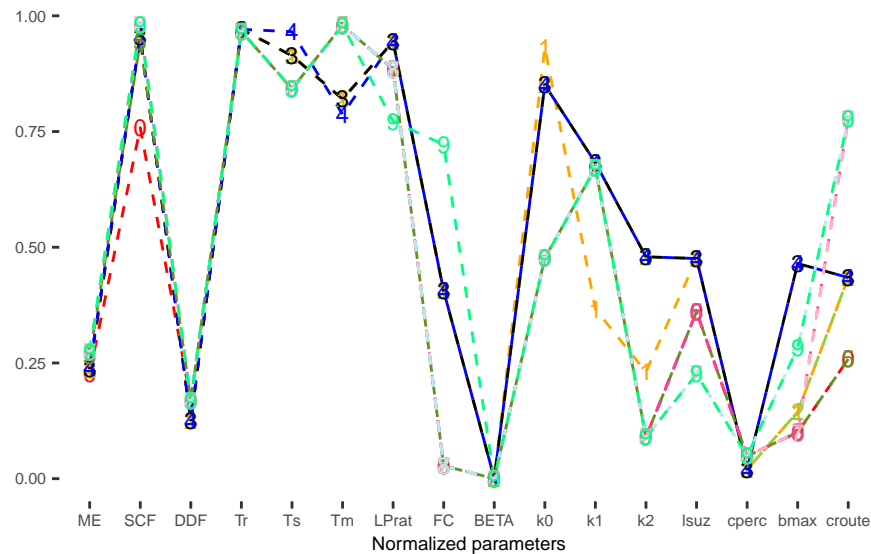
Best 10 parameter sets (POVA)



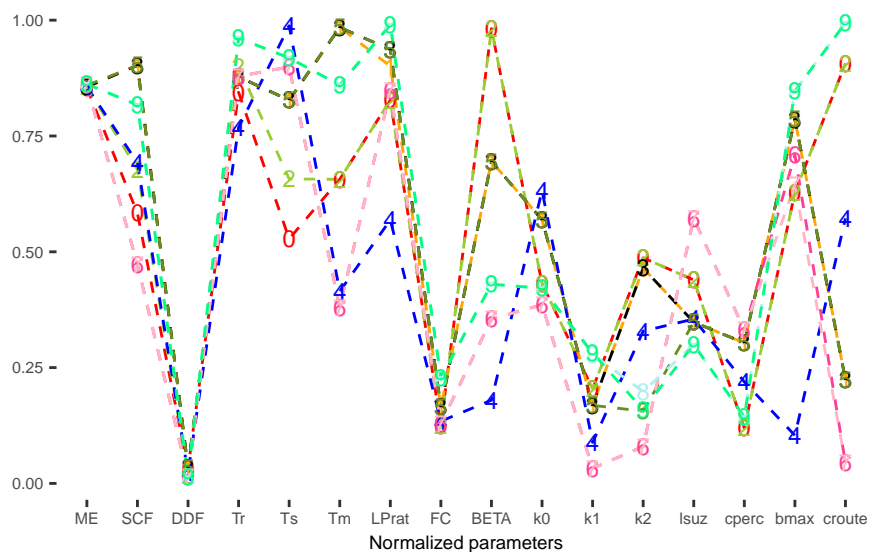
Best 10 parameter sets (READO)



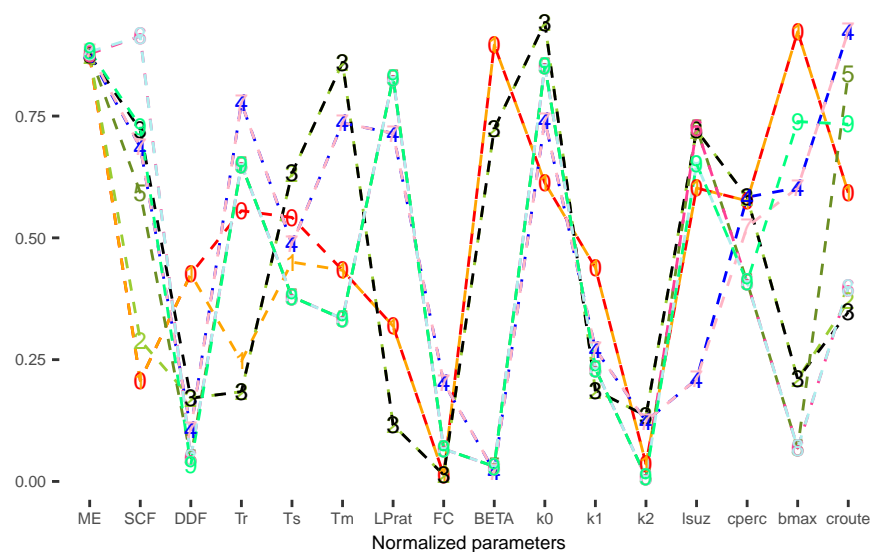
Best 10 parameter sets (RUTPR)



Best 10 parameter sets (SANMO)

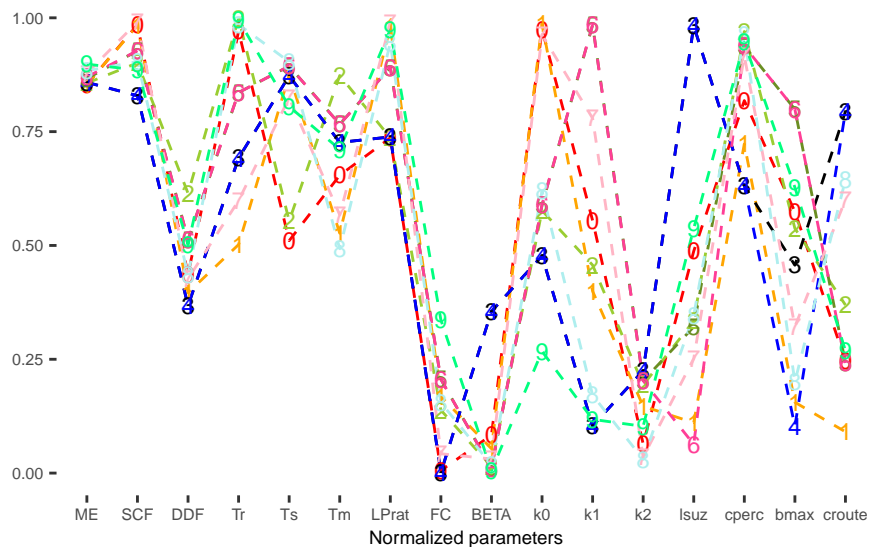


Best 10 parameter sets (SANTR)

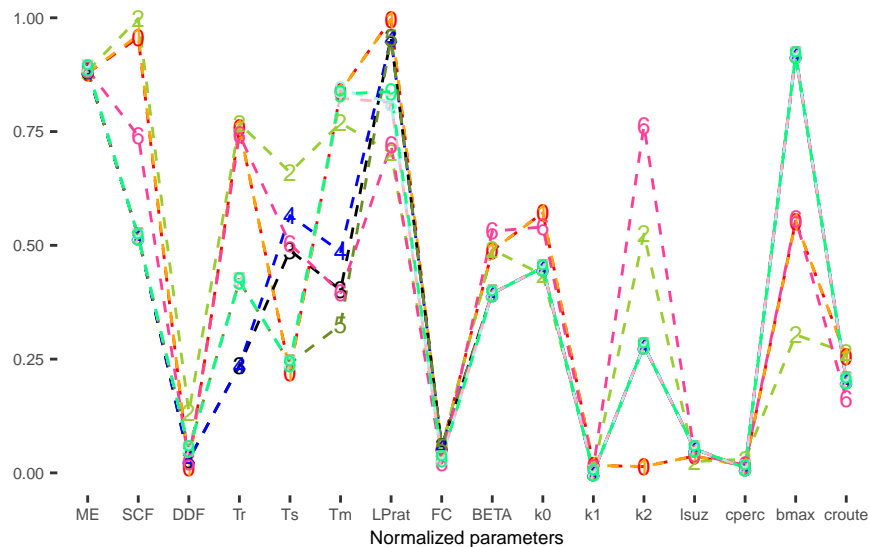




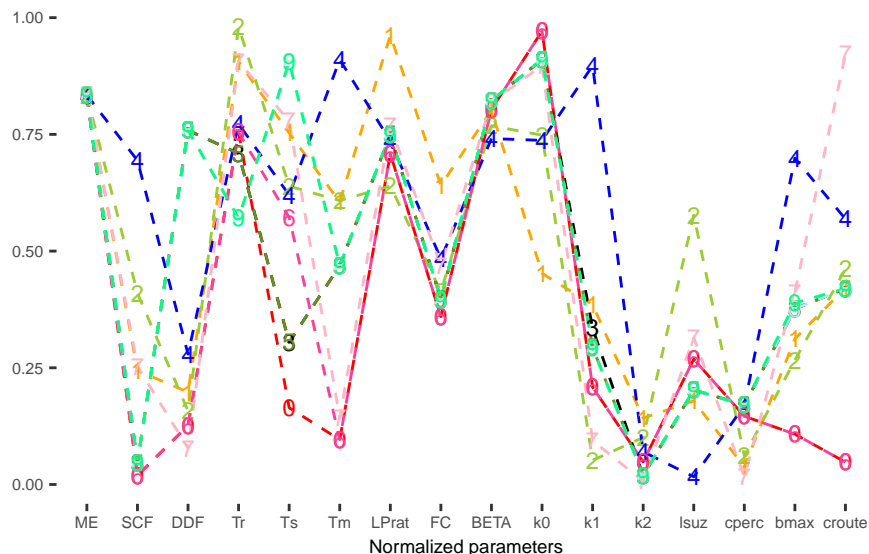
Best 10 parameter sets (SAVER)



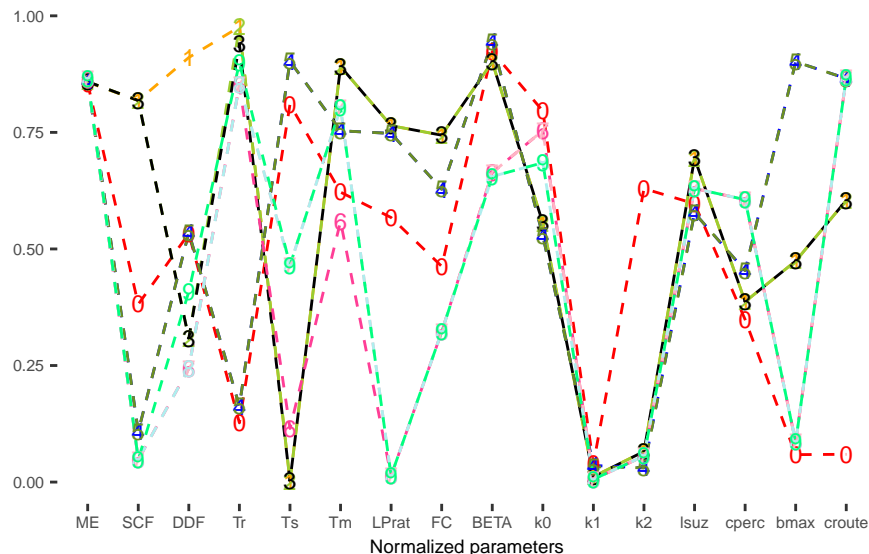
Best 10 parameter sets (SBESA)



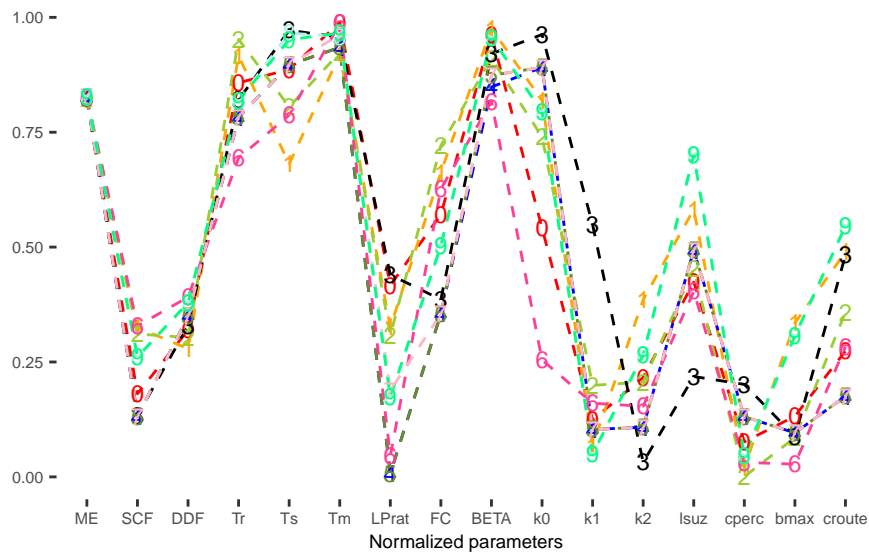
Best 10 parameter sets (SCRGU)



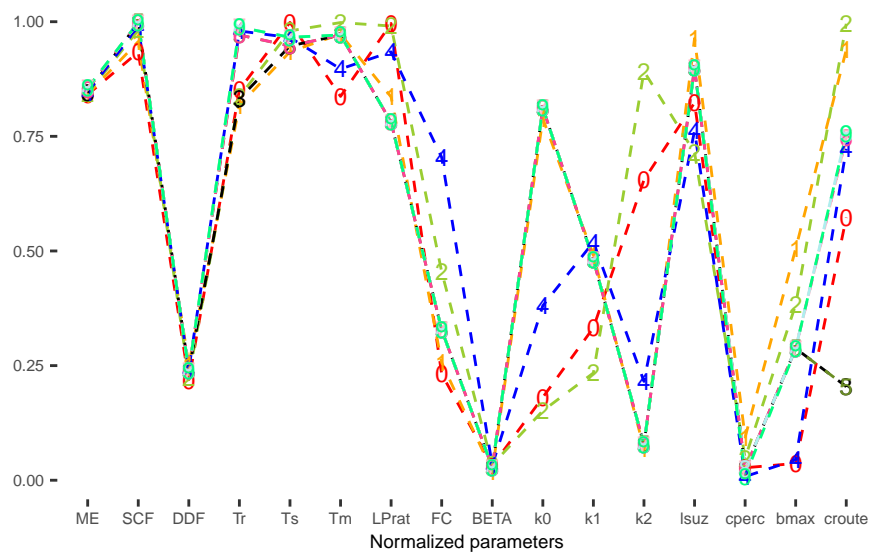
Best 10 parameter sets (SCRSE)



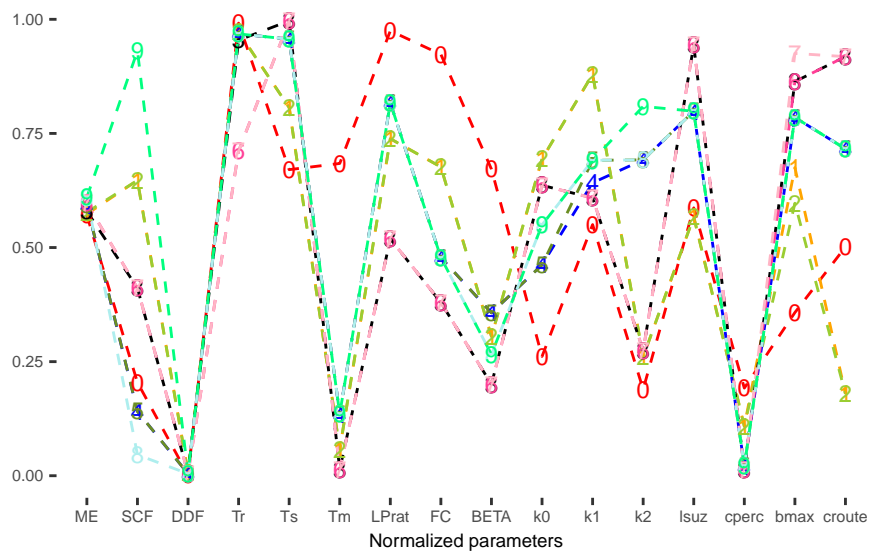
Best 10 parameter sets (SDEFO)



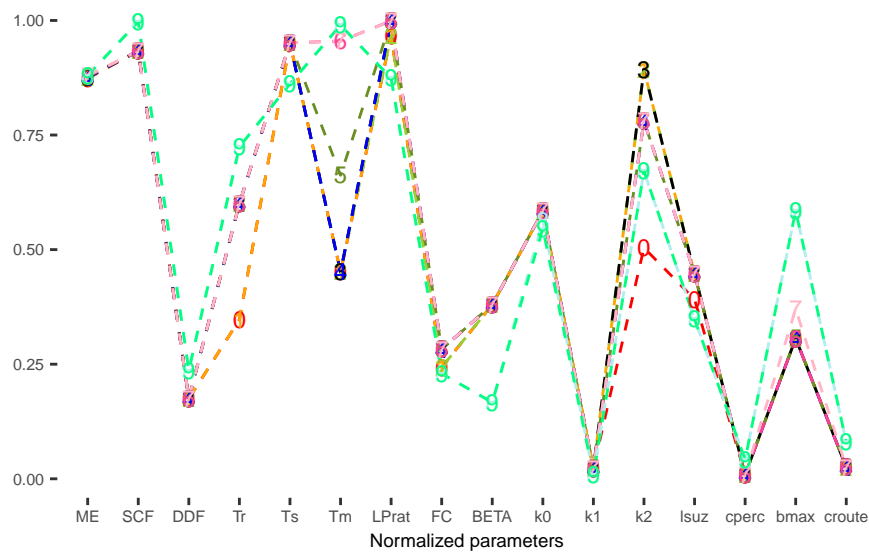
Best 10 parameter sets (SDEGA)



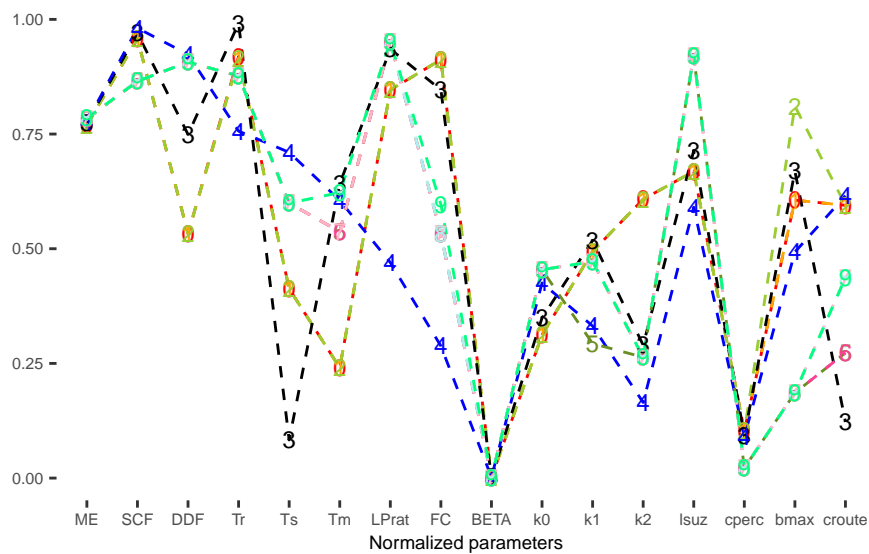
Best 10 parameter sets (SDEVI)



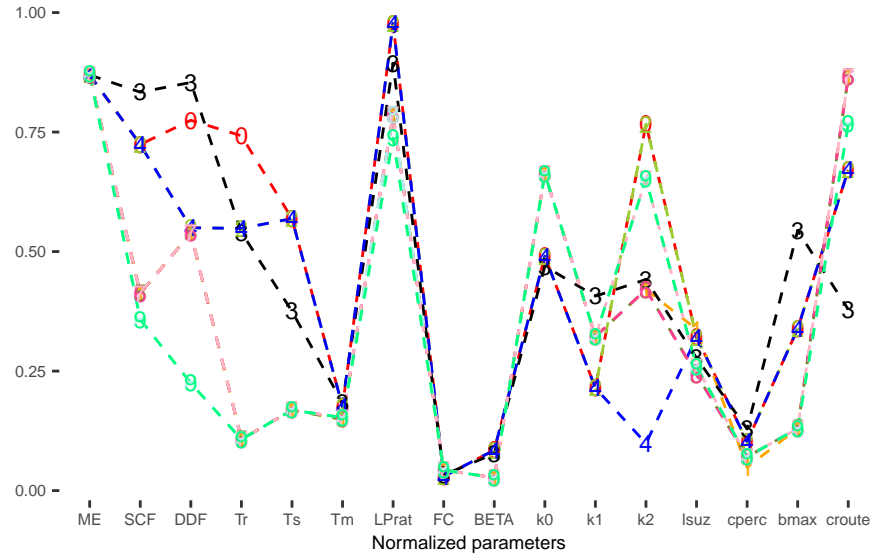
Best 10 parameter sets (SESBO)



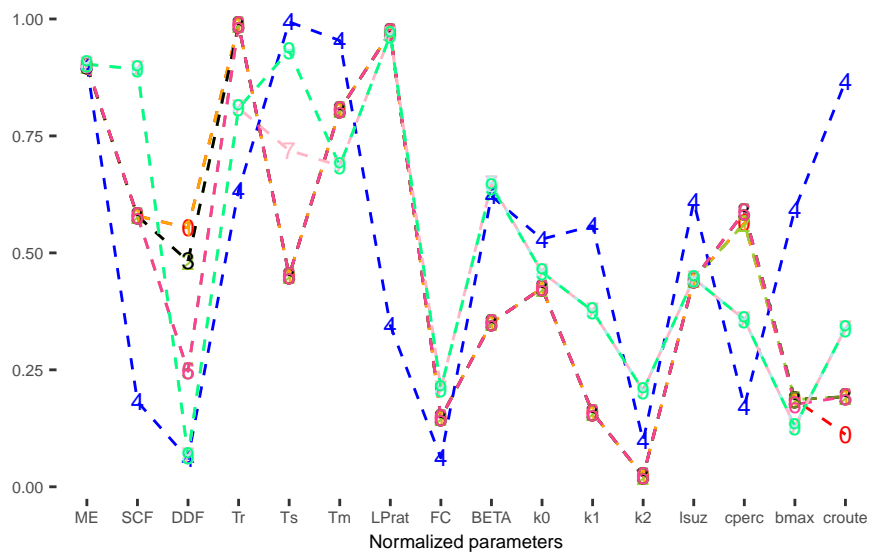
Best 10 parameter sets (SESCA)



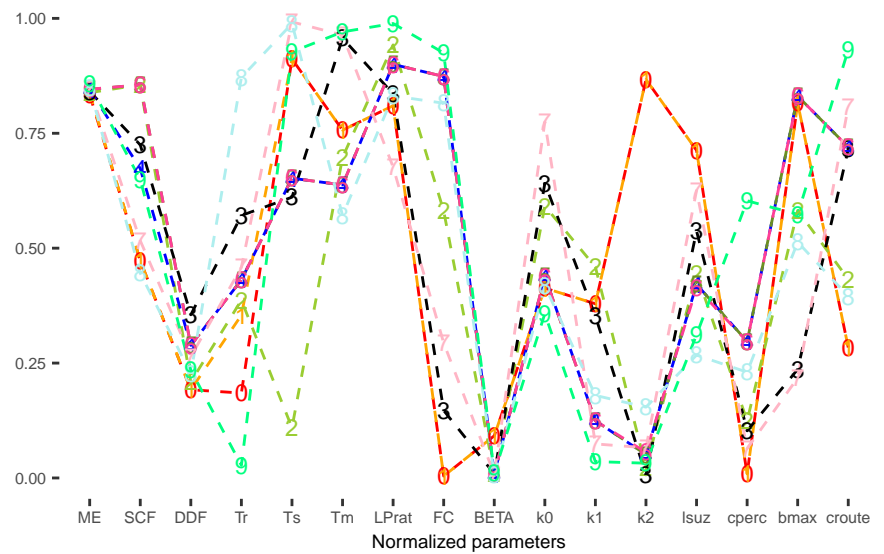
Best 10 parameter sets (SESPA)



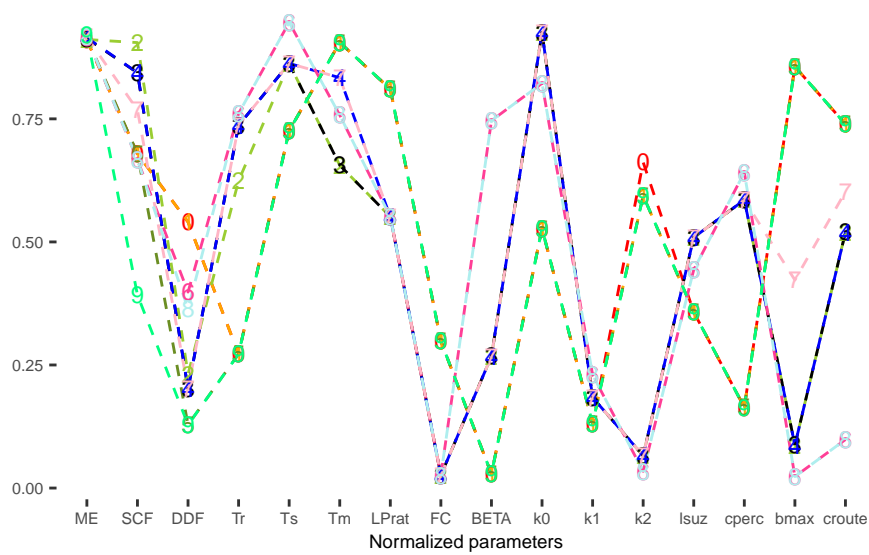
Best 10 parameter sets (SGIVE)



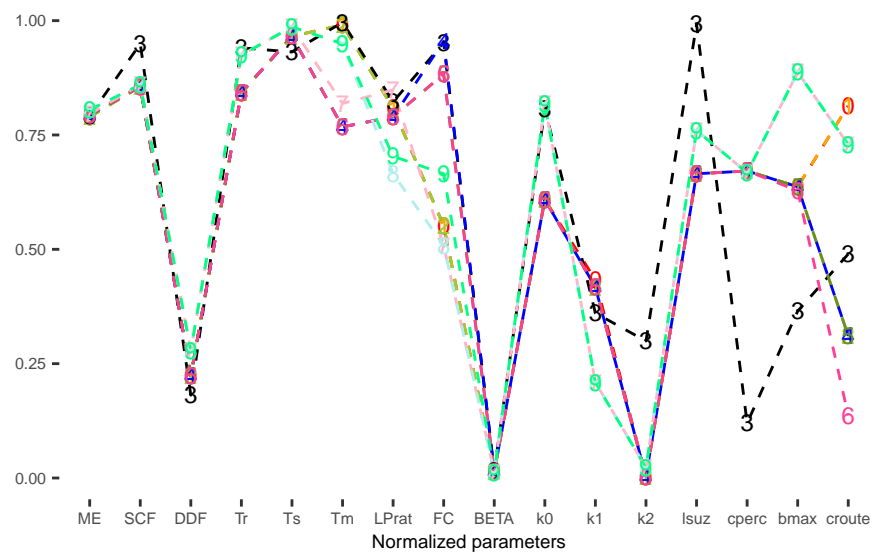
Best 10 parameter sets (SLALA)



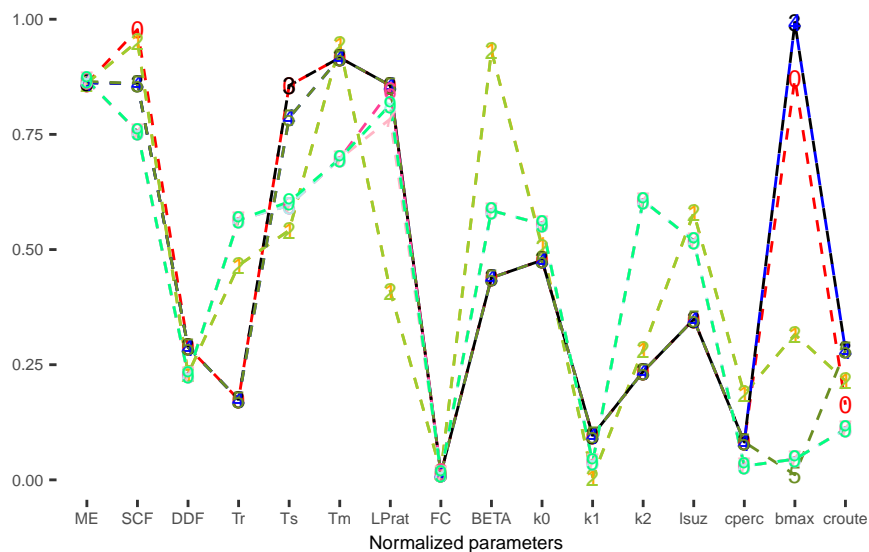
Best 10 parameter sets (SLATO)



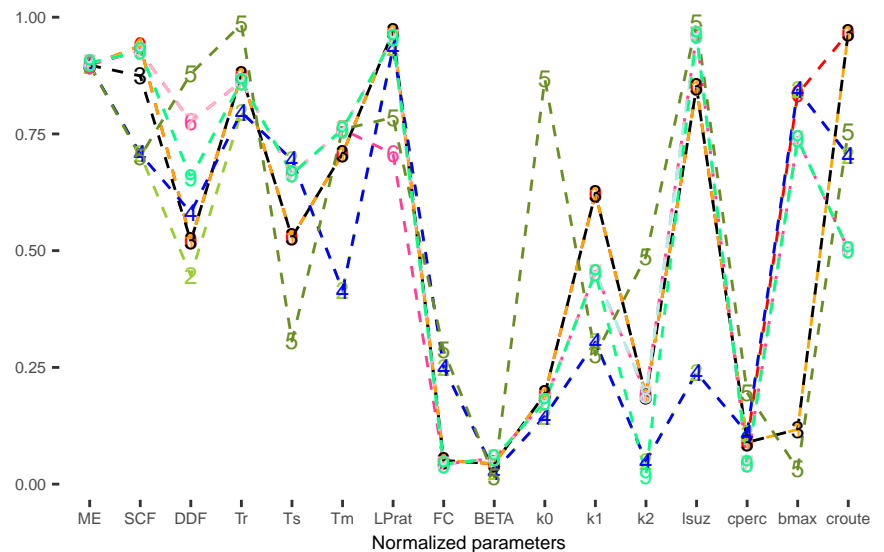
Best 10 parameter sets (SOAPPO)



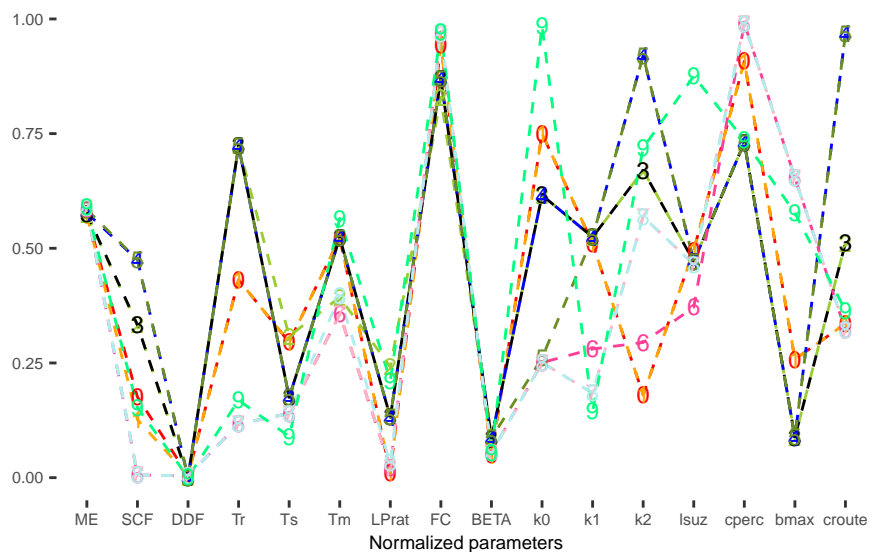
Best 10 parameter sets (SSEPR)



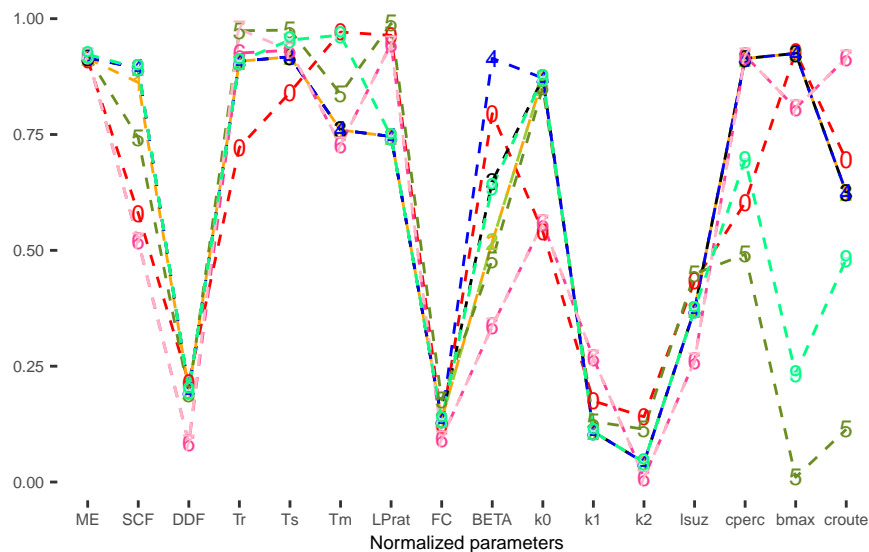
Best 10 parameter sets (STGGR)



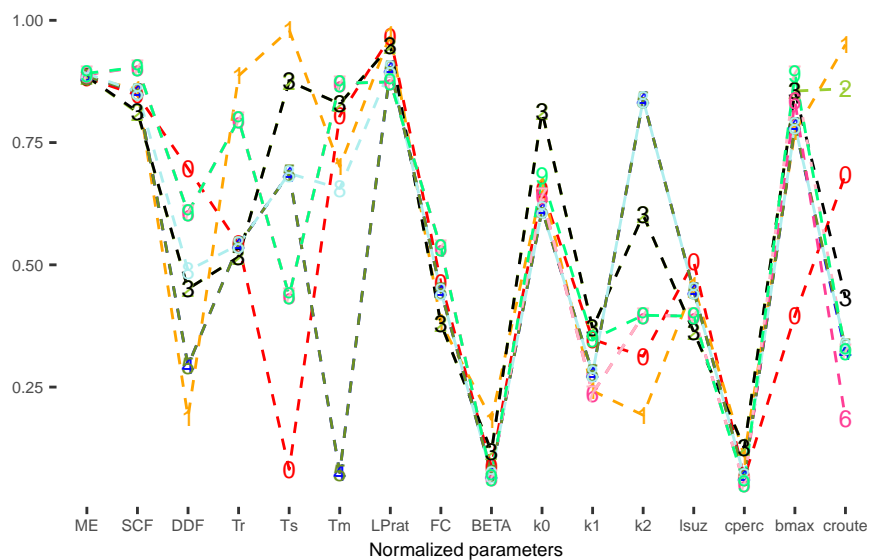
Best 10 parameter sets (STMCO)



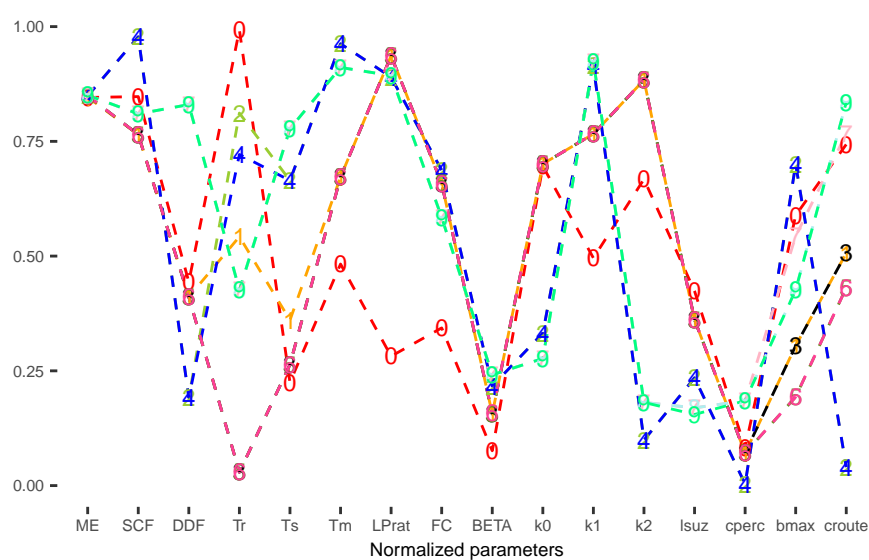
Best 10 parameter sets (SVIGE)



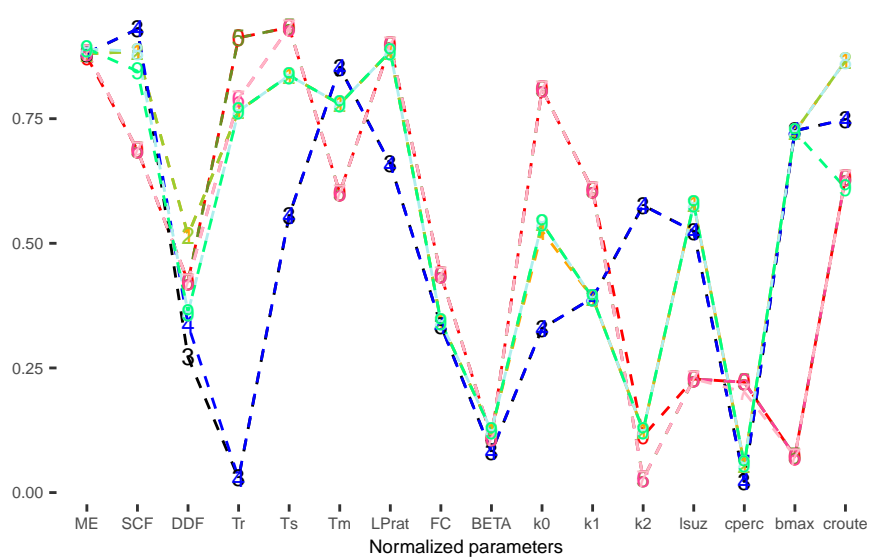
Best 10 parameter sets (TANAB)



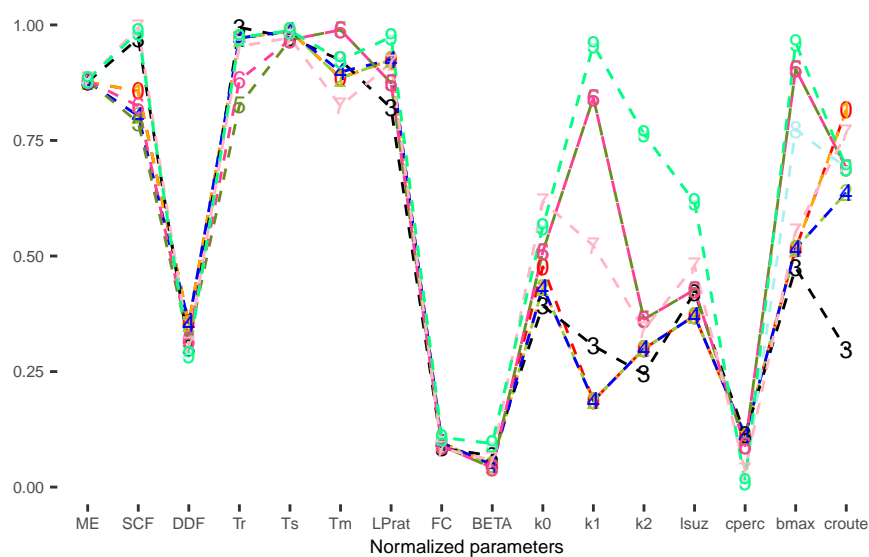
Best 10 parameter sets (TANAL)



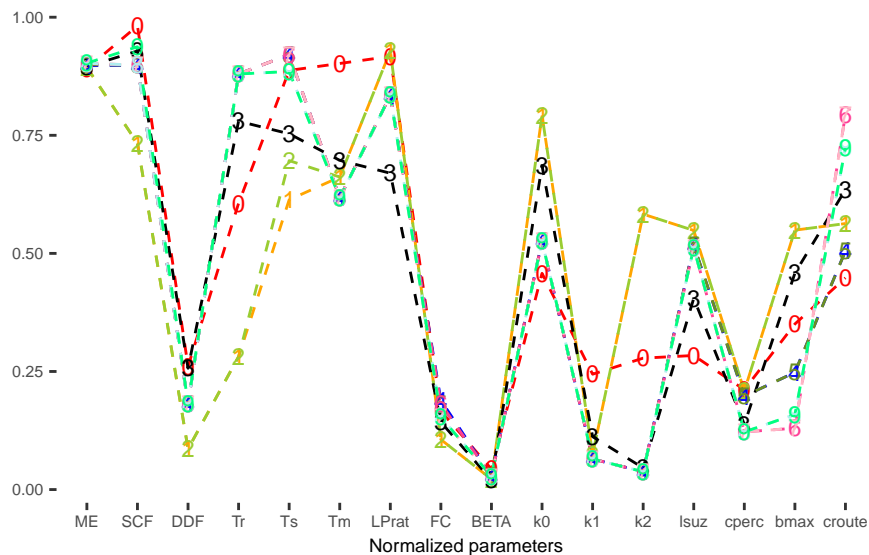
Best 10 parameter sets (TANAS)



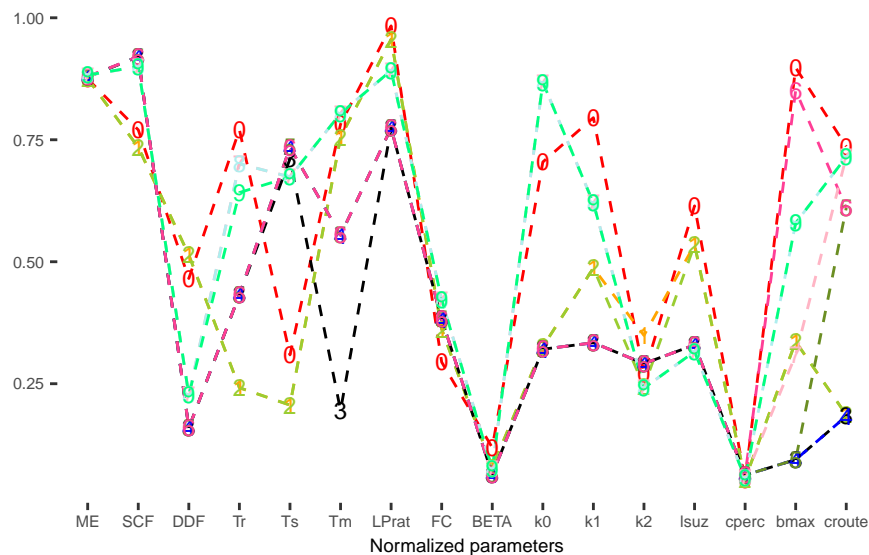
Best 10 parameter sets (TANFA)



Best 10 parameter sets (TANGA)

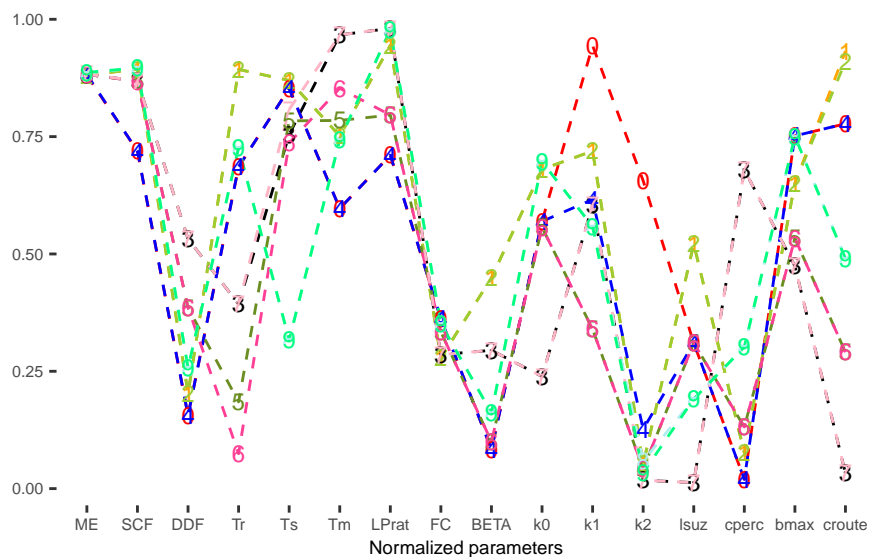


Best 10 parameter sets (TANMA)

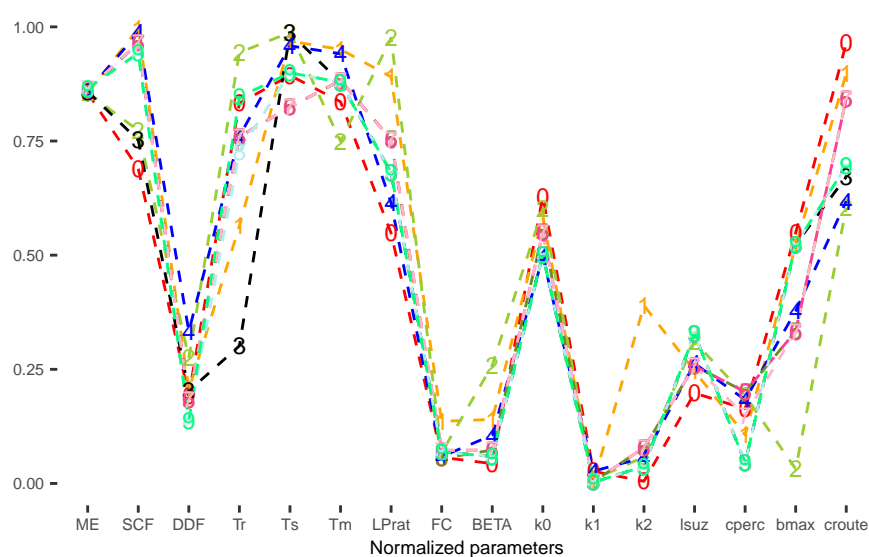




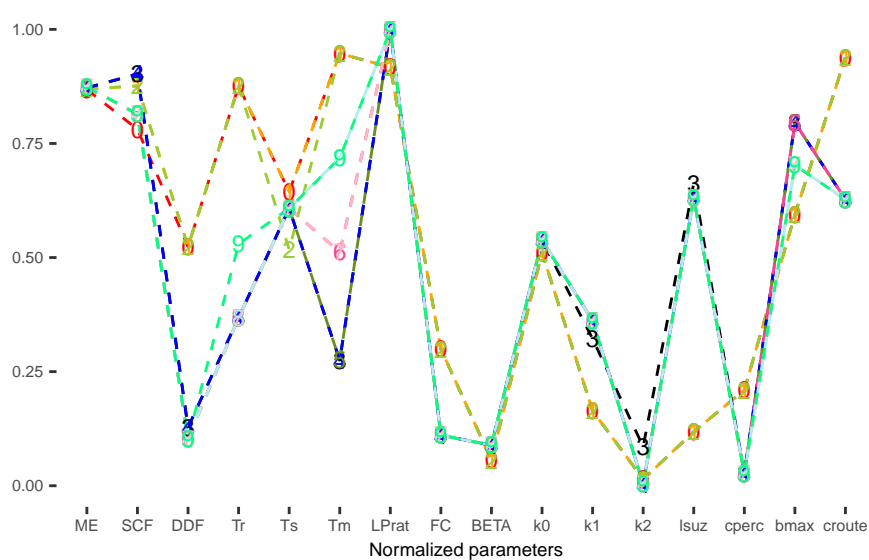
Best 10 parameter sets (TANMO)



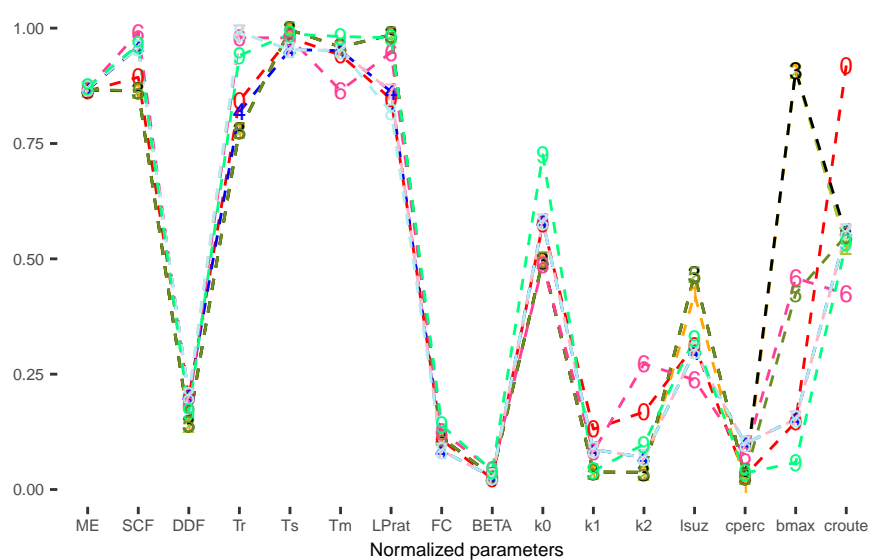
Best 10 parameter sets (TANNU)



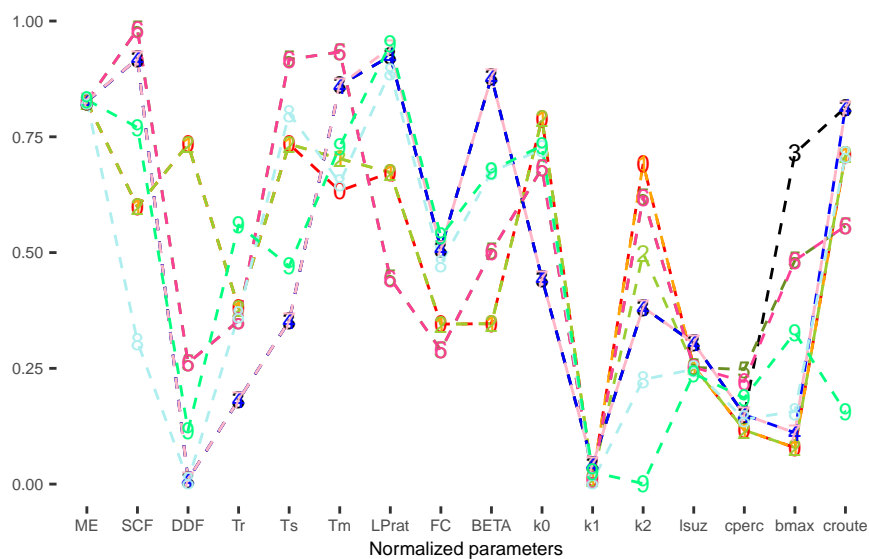
Best 10 parameter sets (TANPI)



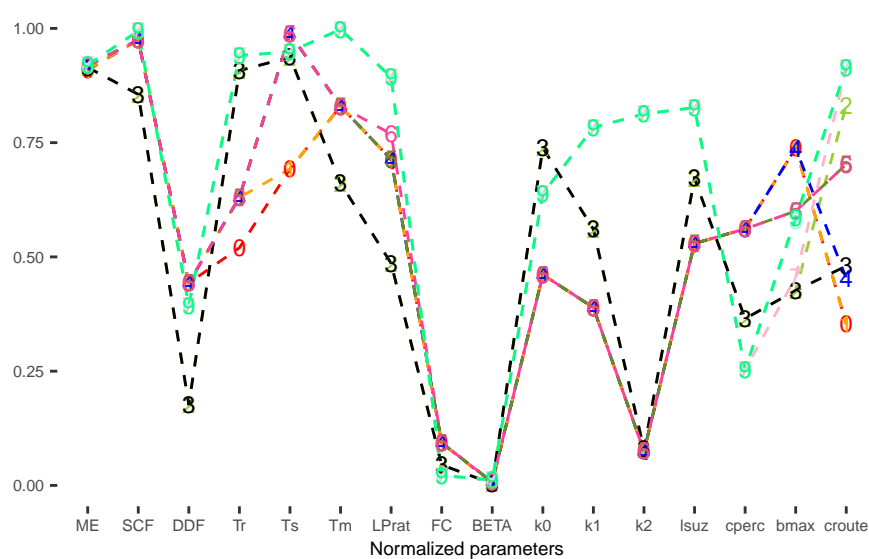
Best 10 parameter sets (TANPN)



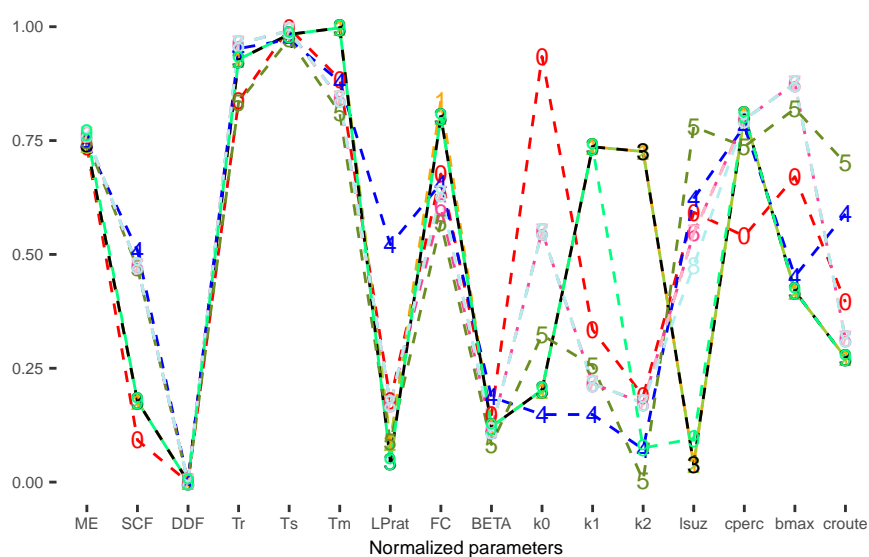
Best 10 parameter sets (TERCA)



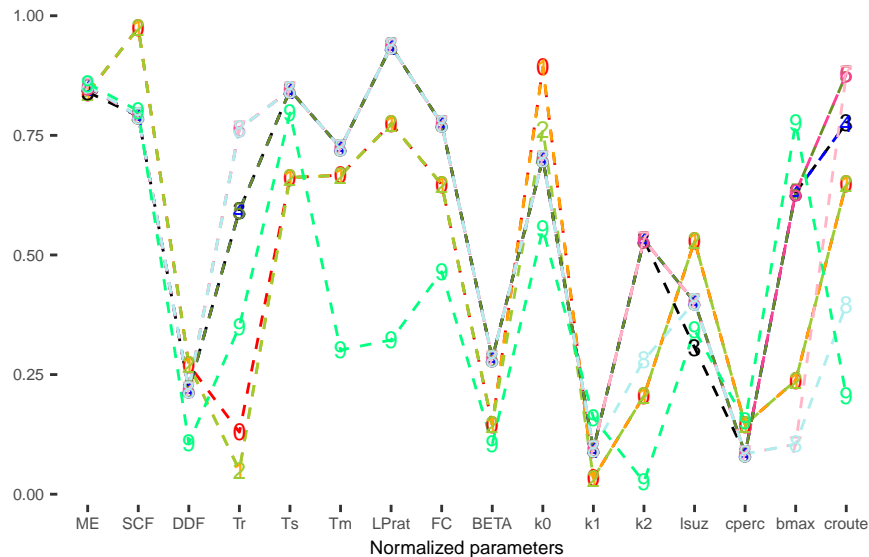
Best 10 parameter sets (TOCCA)



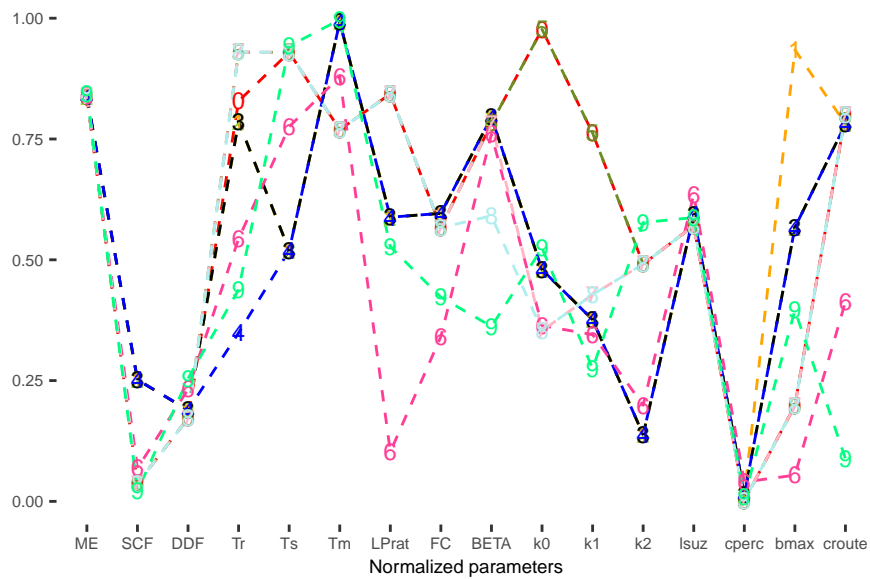
Best 10 parameter sets (TOCDO)



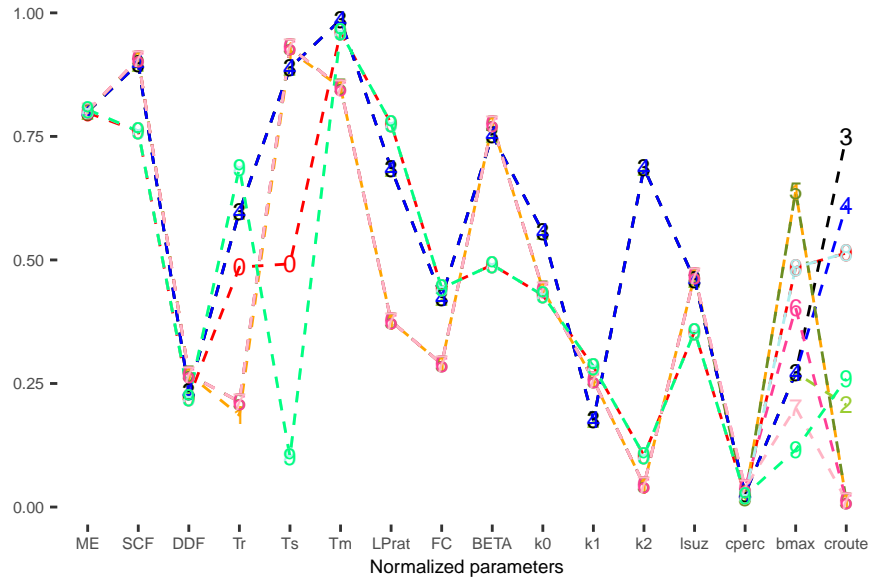
Best 10 parameter sets (UZZCO)



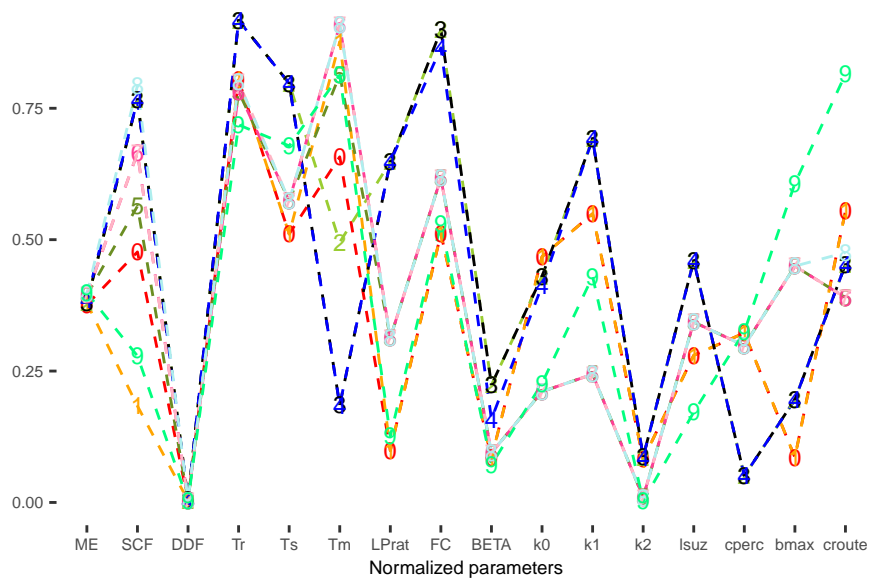
Best 10 parameter sets (VARPO)



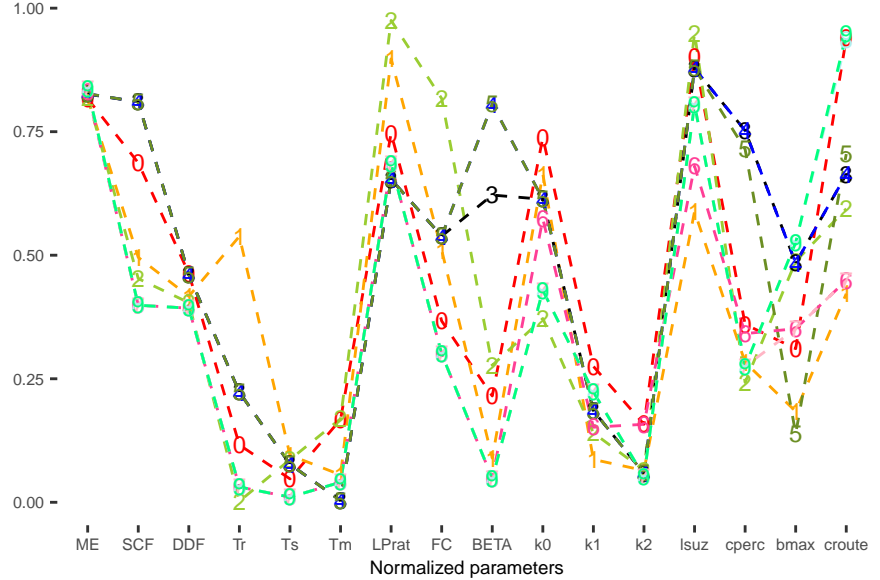
Best 10 parameter sets (VARRO)



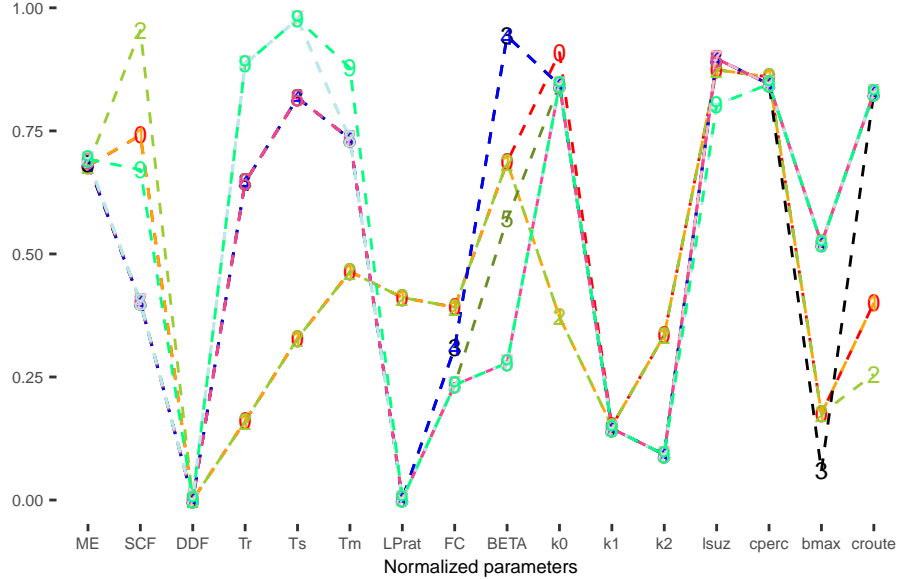
Best 10 parameter sets (VARTO)



Best 10 parameter sets (VERRO)



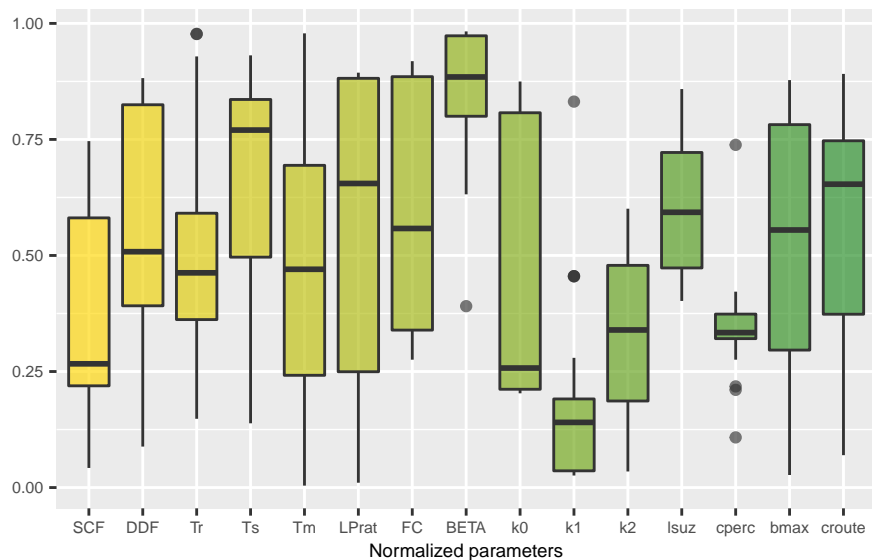
Best 10 parameter sets (VOBIC)



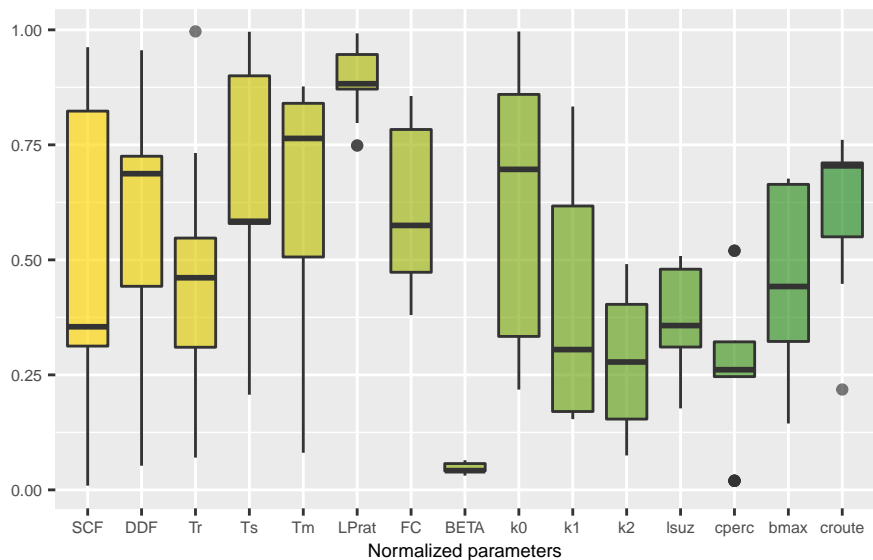
***ATTACHMENT 3***  
***EQUIFINALITY ANALYSIS***  
***(LOCAL LUMPED CALIBRATIONS – ALL CATCHMENTS)***



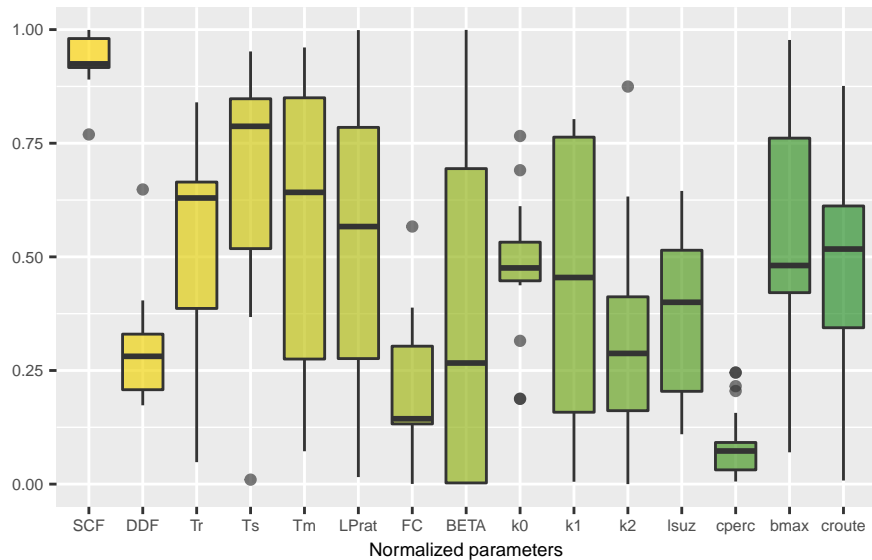
Lumped model parameter distributions (AGOMO)



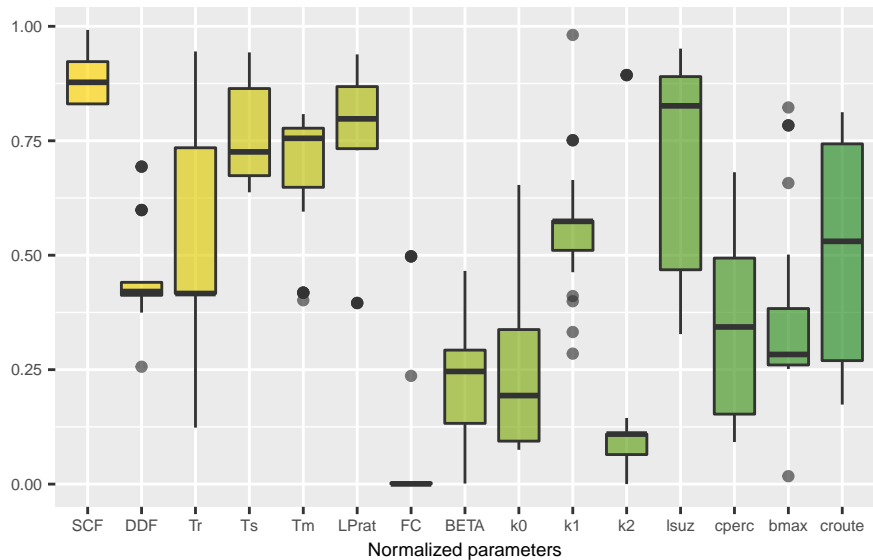
Lumped model parameter distributions (AGONO)



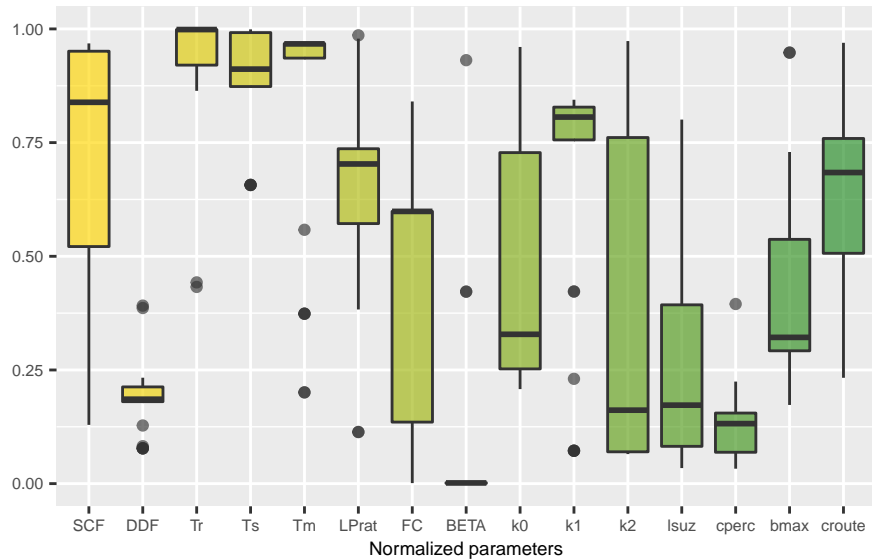
Lumped model parameter distributions (ANZMA)



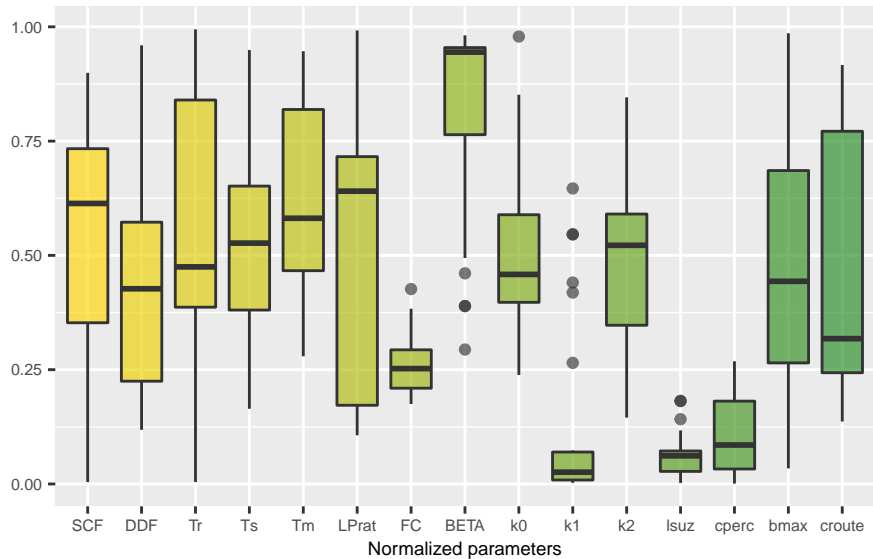
Lumped model parameter distributions (ARTSO)



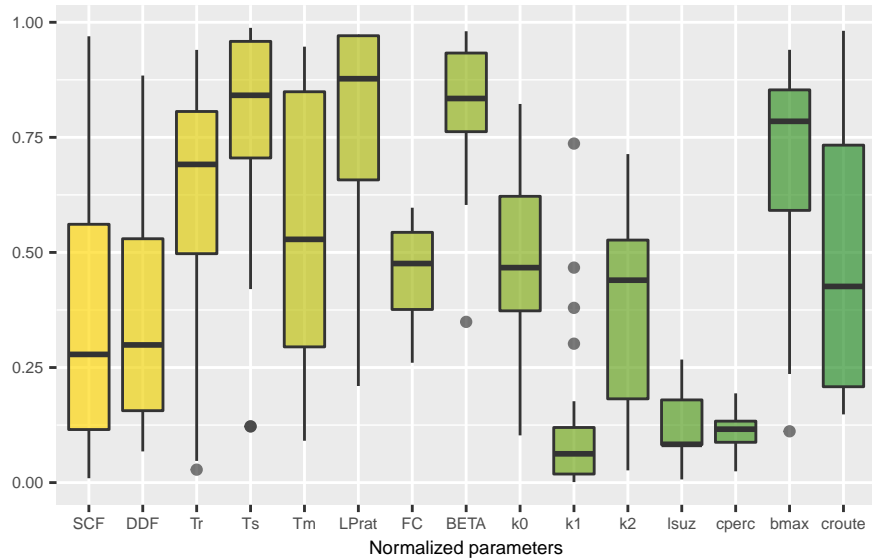
Lumped model parameter distributions (AYACH)



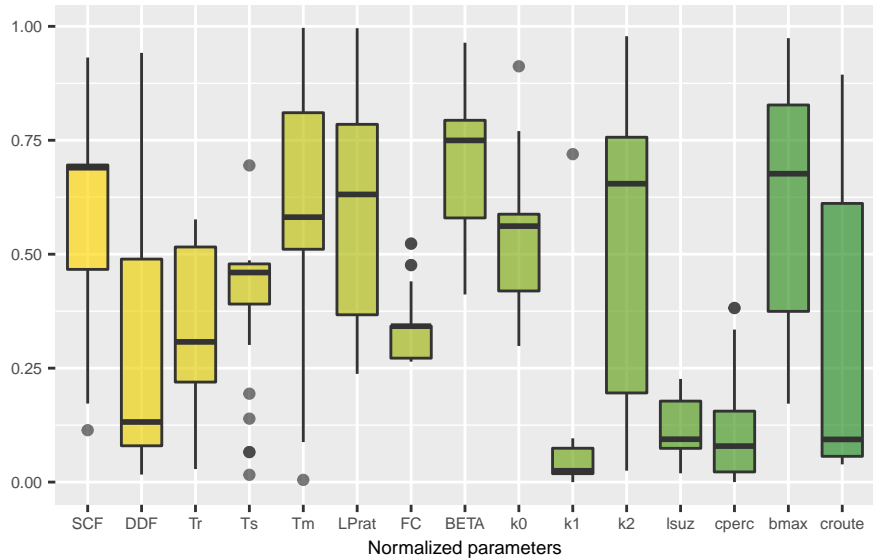
Lumped model parameter distributions (BANPO)



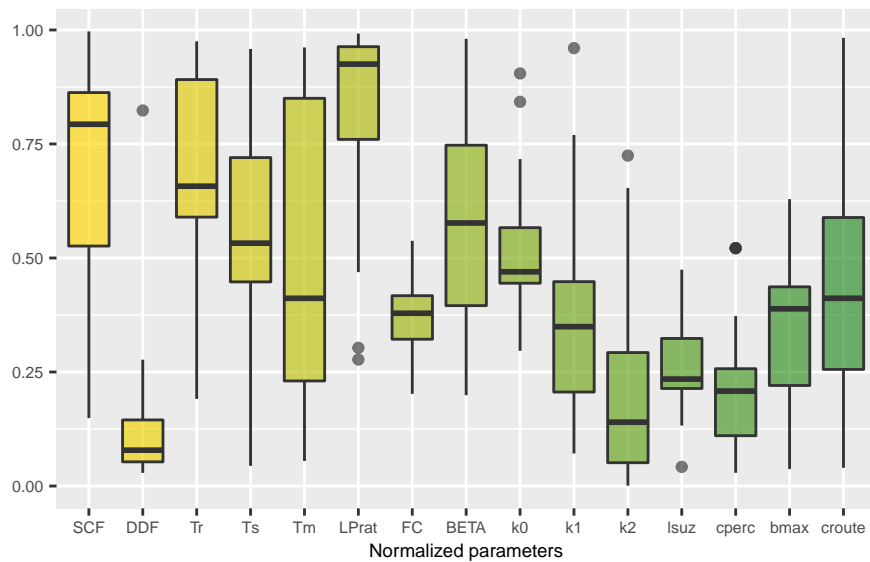
Lumped model parameter distributions (BANSA)



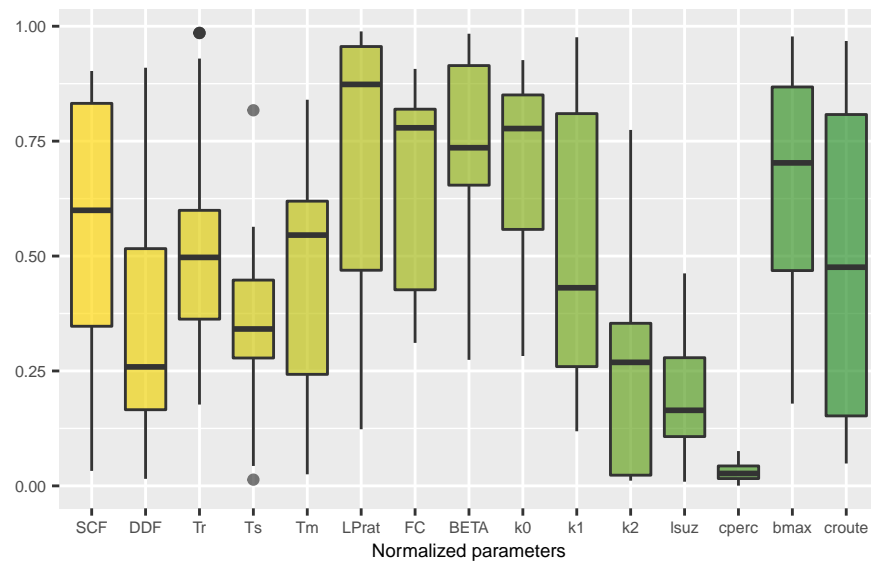
Lumped model parameter distributions (BELCA)



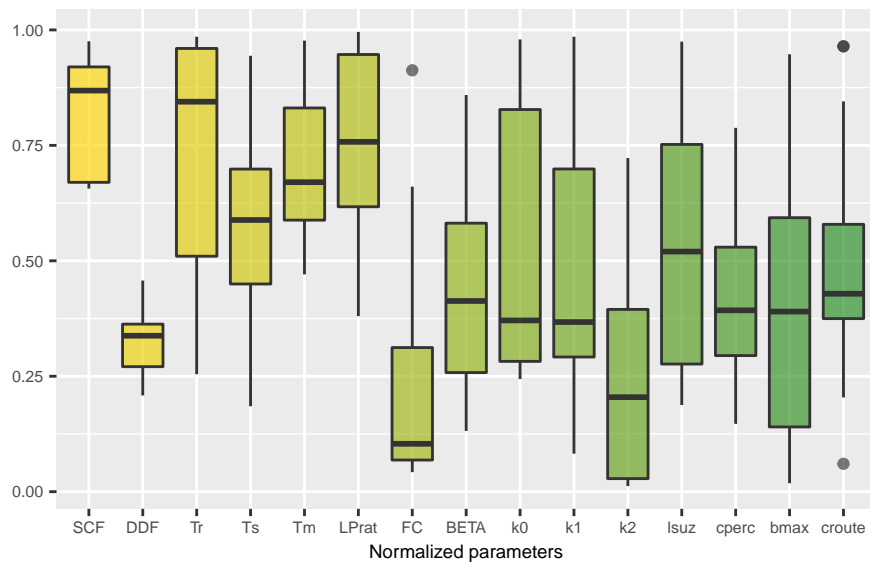
### Lumped model parameter distributions (BELRO)



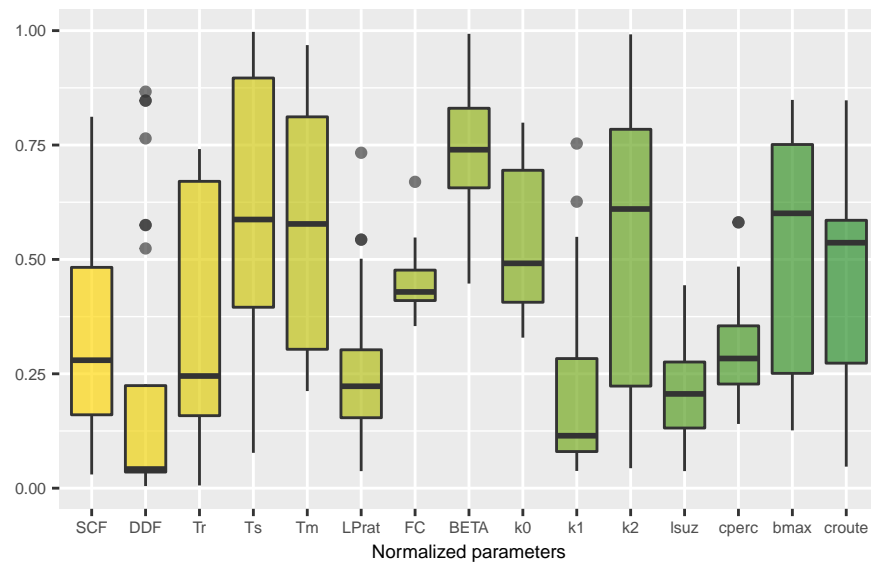
### Lumped model parameter distributions (BOBBA)



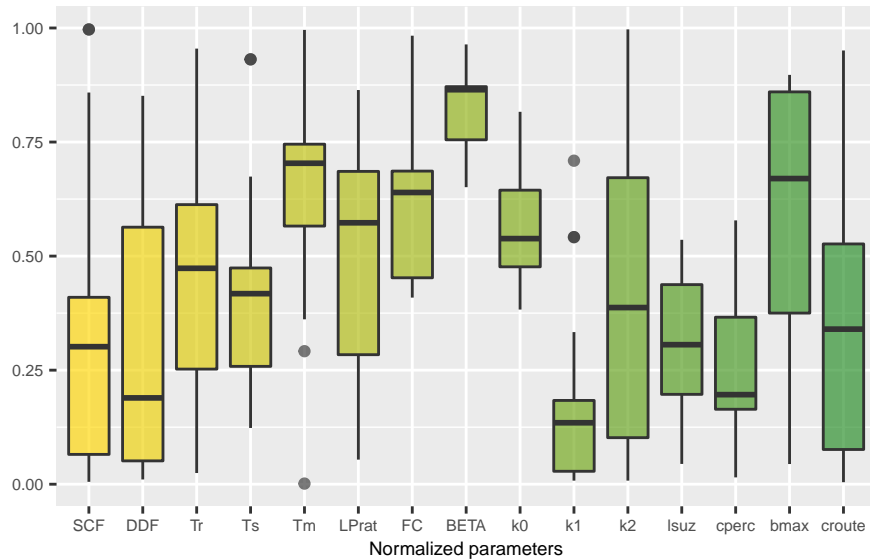
### Lumped model parameter distributions (BOGPC)



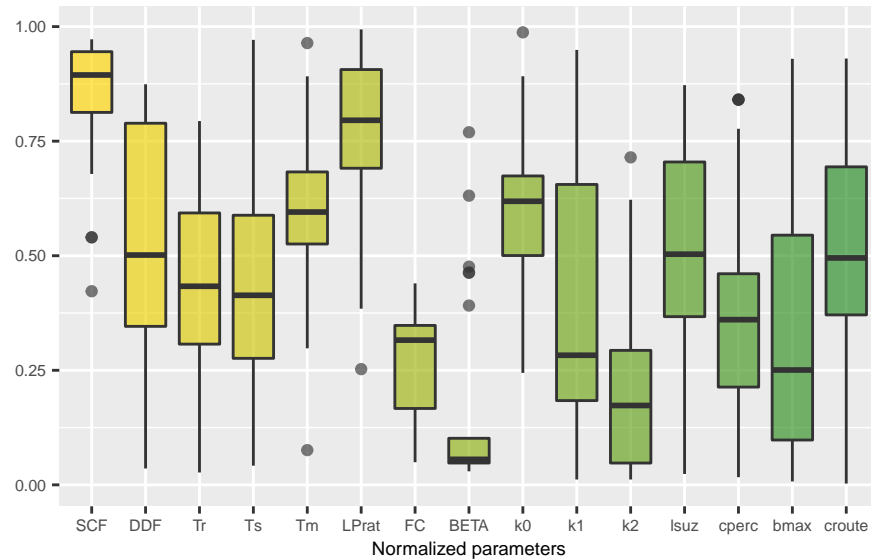
### Lumped model parameter distributions (BOMCA)



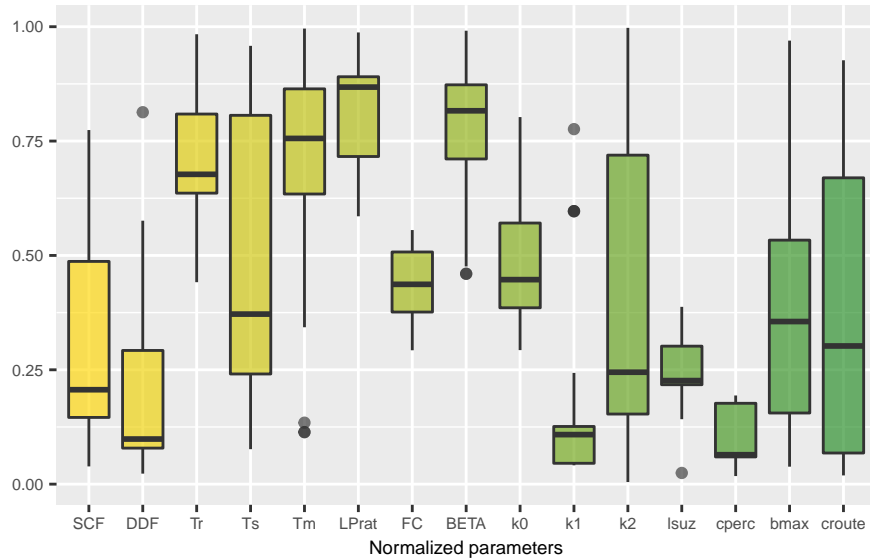
Lumped model parameter distributions (BOMCE)



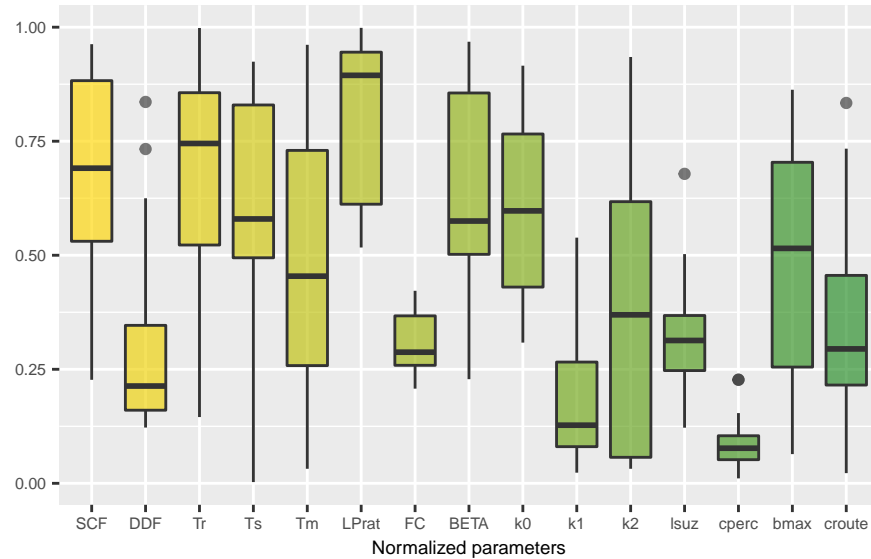
### Lumped model parameter distributions (BOMMU)



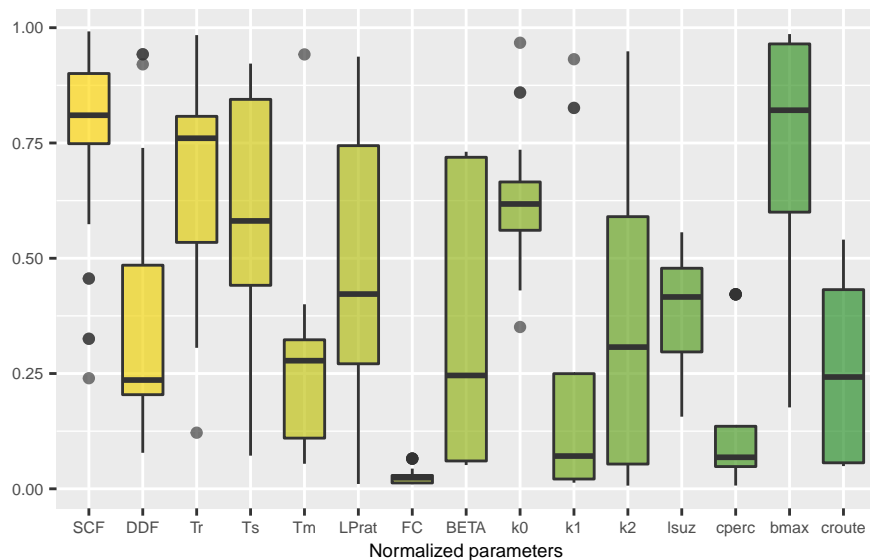
Lumped model parameter distributions (BORAL)



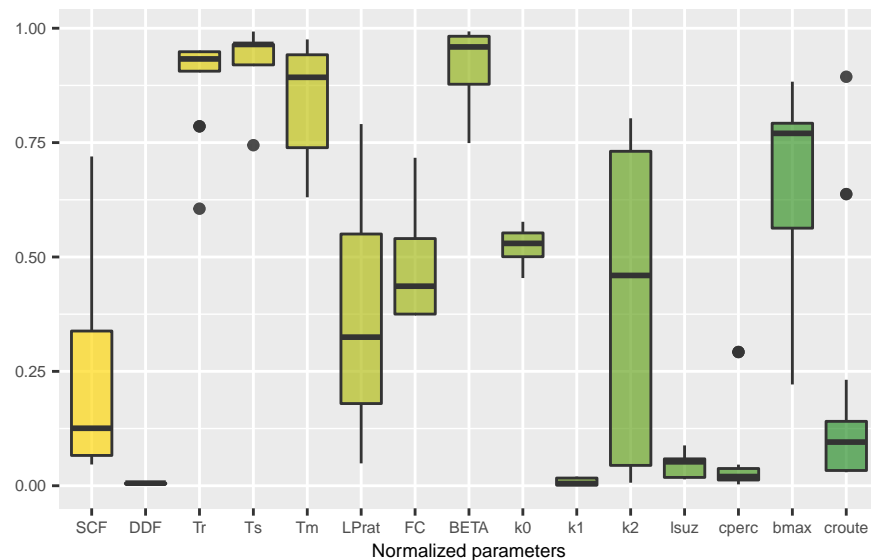
### Lumped model parameter distributions (BORCA)



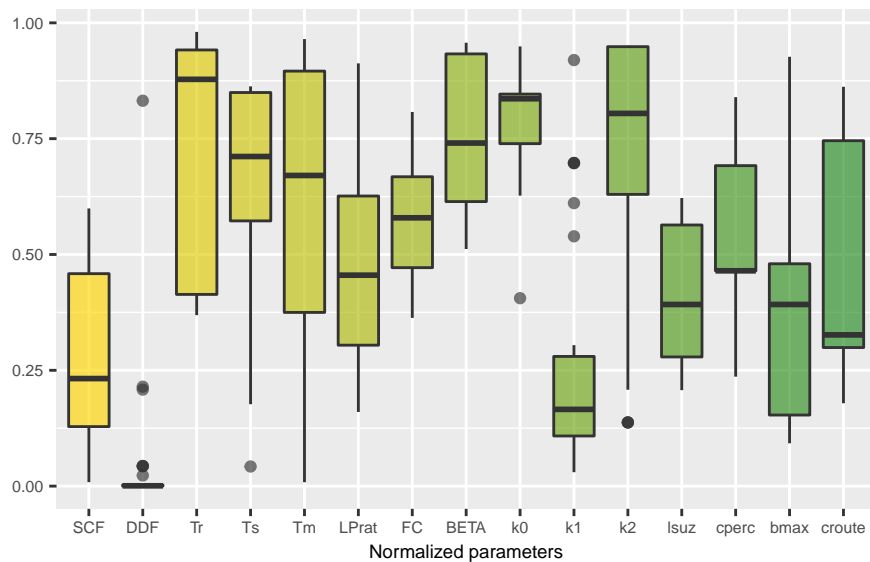
Lumped model parameter distributions (BOSMB)



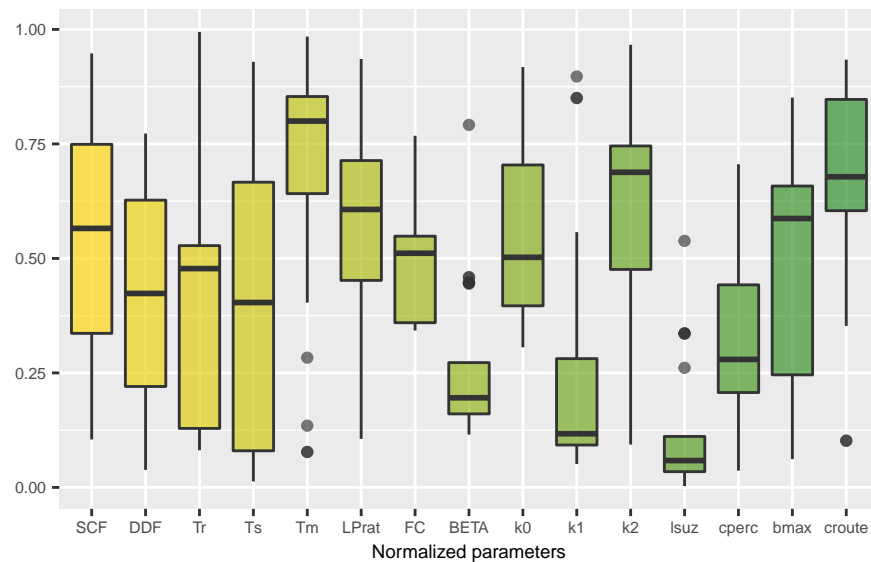
### Lumped model parameter distributions (BOSPC)



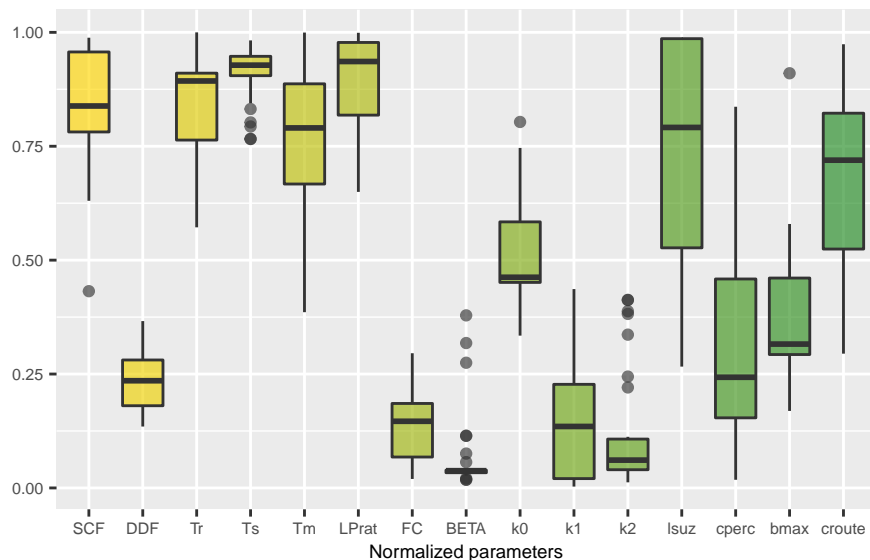
### Lumped model parameter distributions (BROMA)



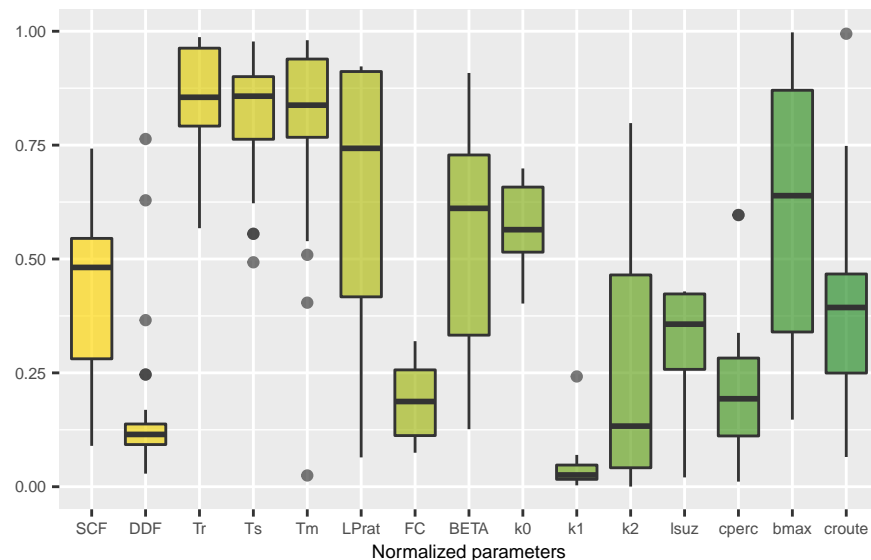
Lumped model parameter distributions (BRRSD)



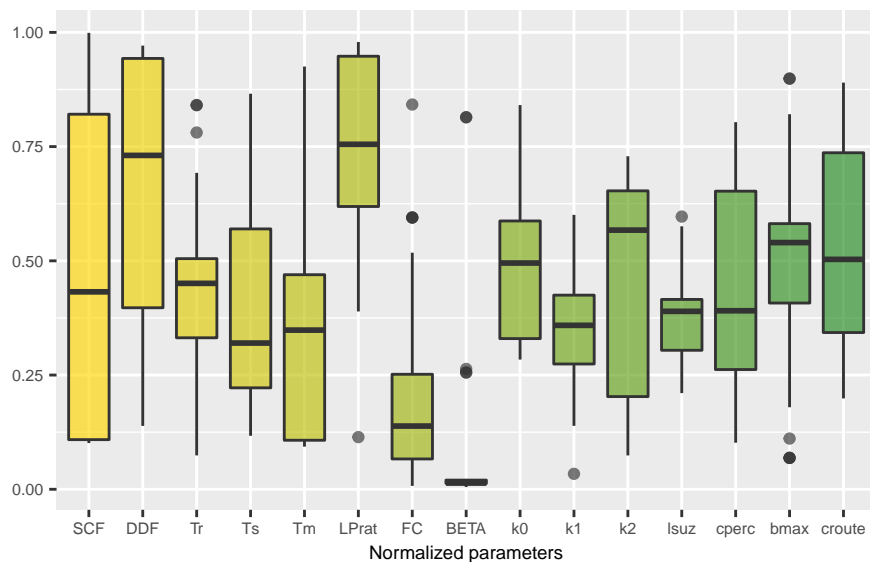
Lumped model parameter distributions (CASMO)



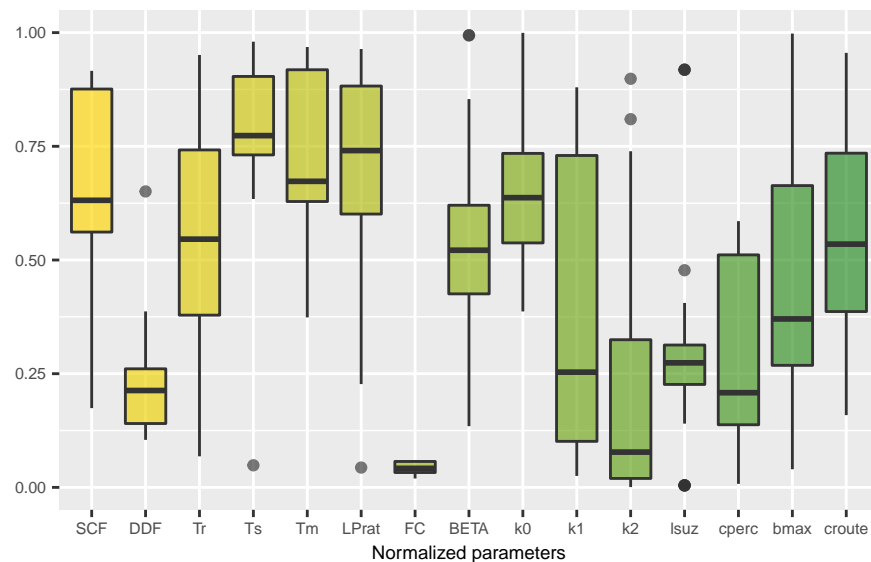
Lumped model parameter distributions (CEVPA)



Lumped model parameter distributions (CEVQU)

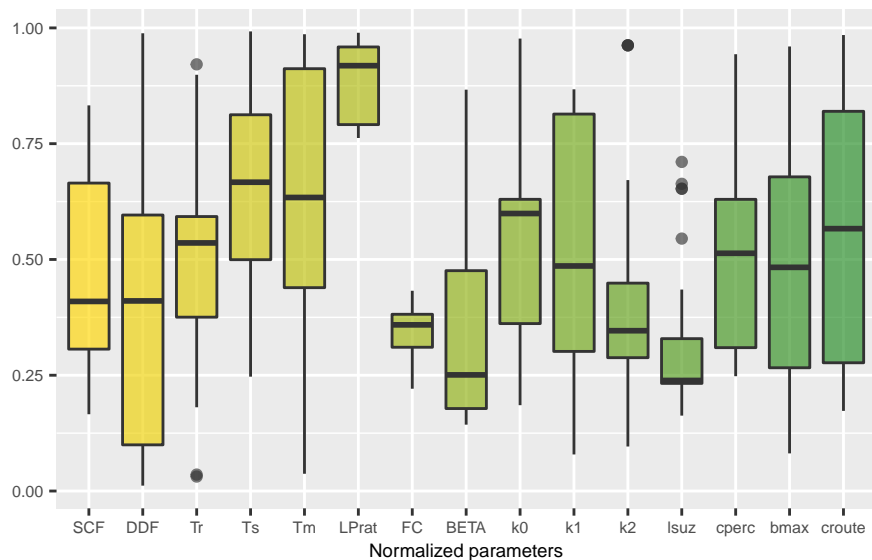


Lumped model parameter distributions (CEVVI)

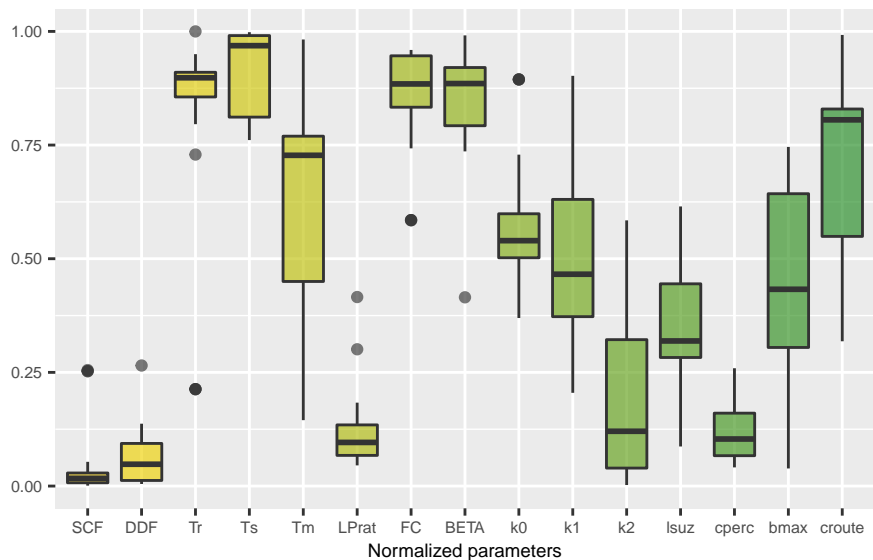




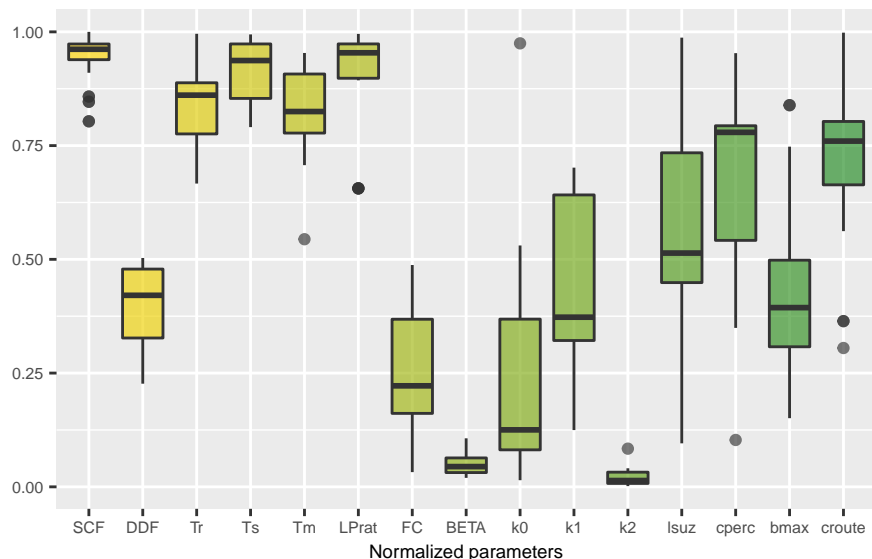
Lumped model parameter distributions (CHLLO)



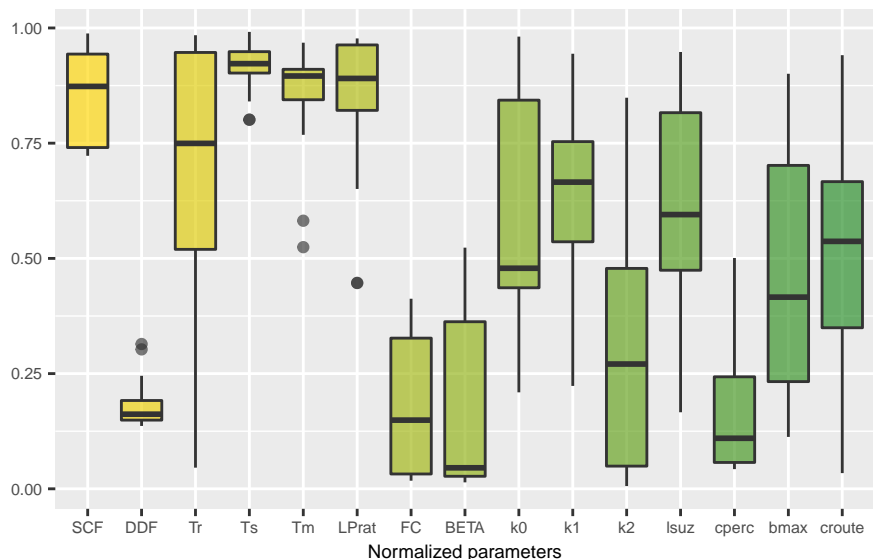
Lumped model parameter distributions (CHPIN)



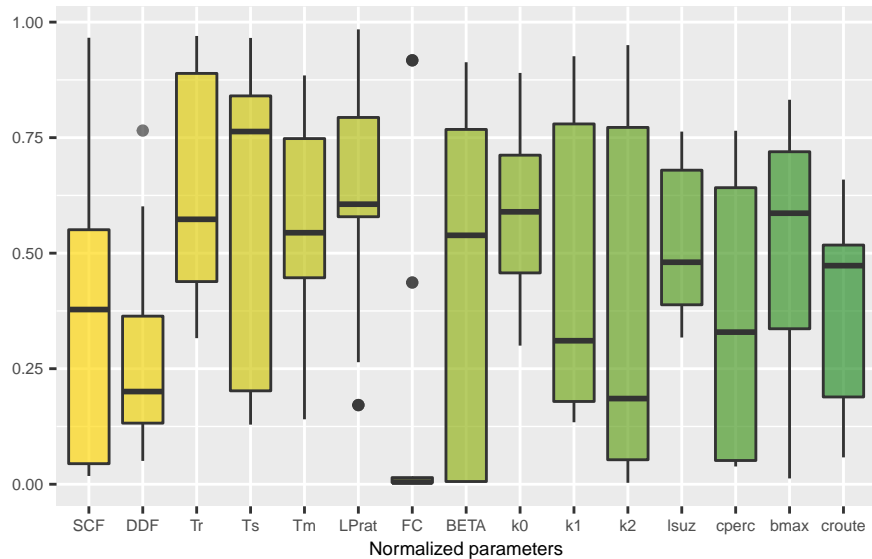
Lumped model parameter distributions (CHSSB)



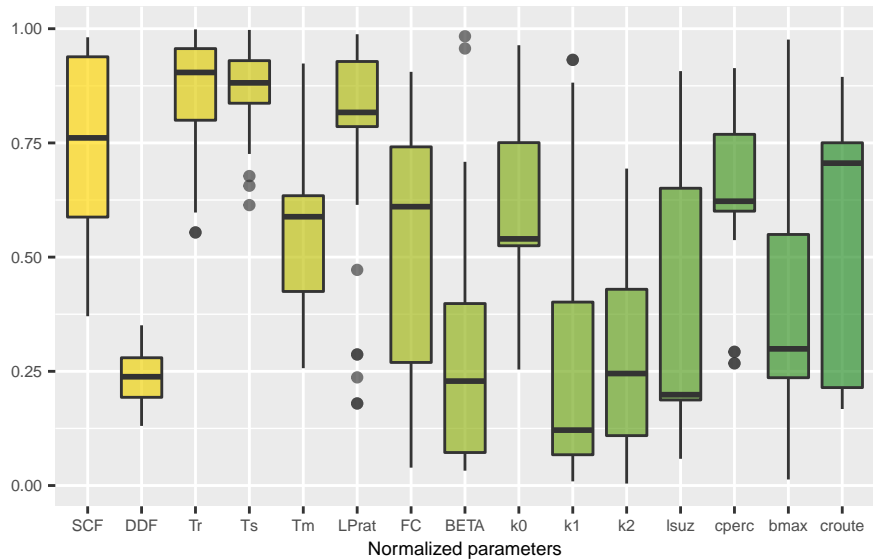
Lumped model parameter distributions (CHSSM)



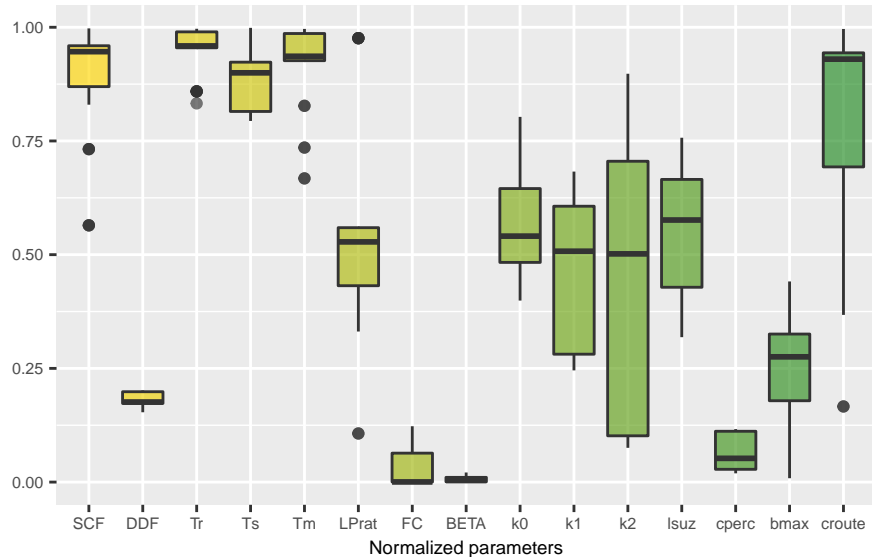
Lumped model parameter distributions (CHUPA)



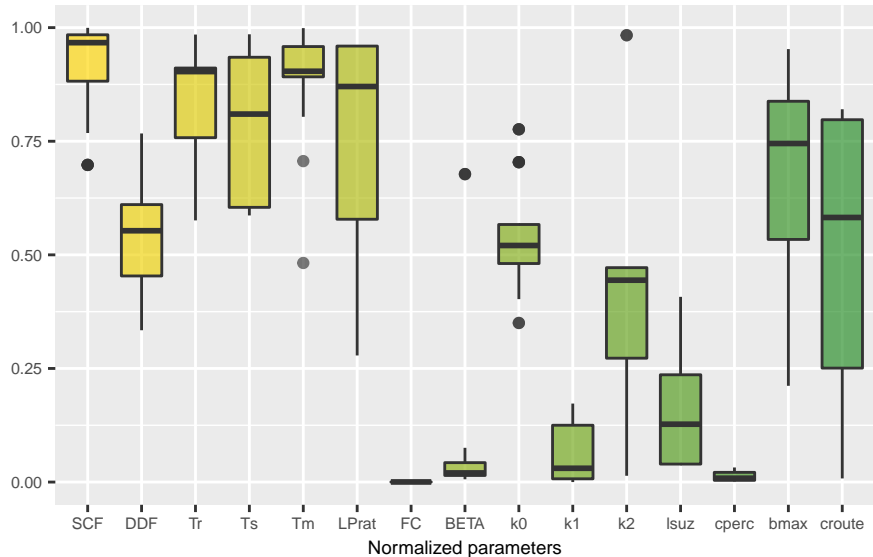
Lumped model parameter distributions (CNSSU)



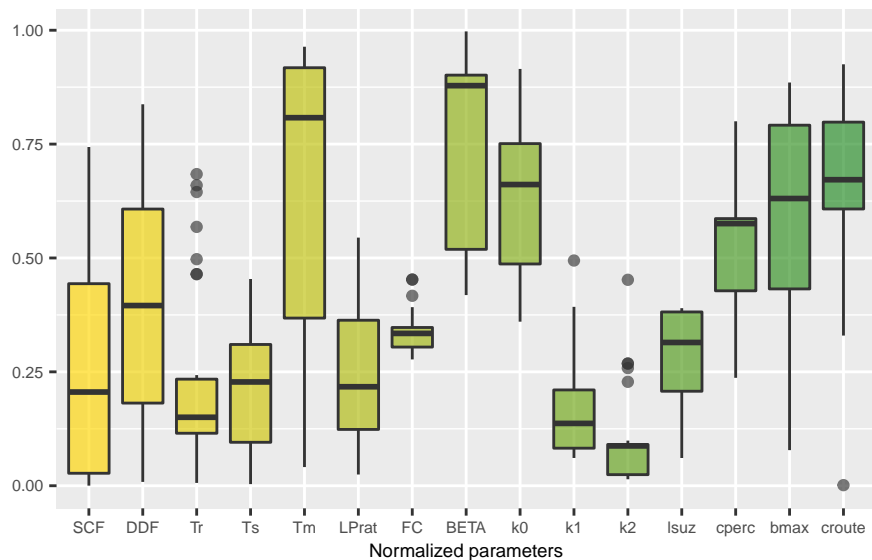
Lumped model parameter distributions (CORFS)



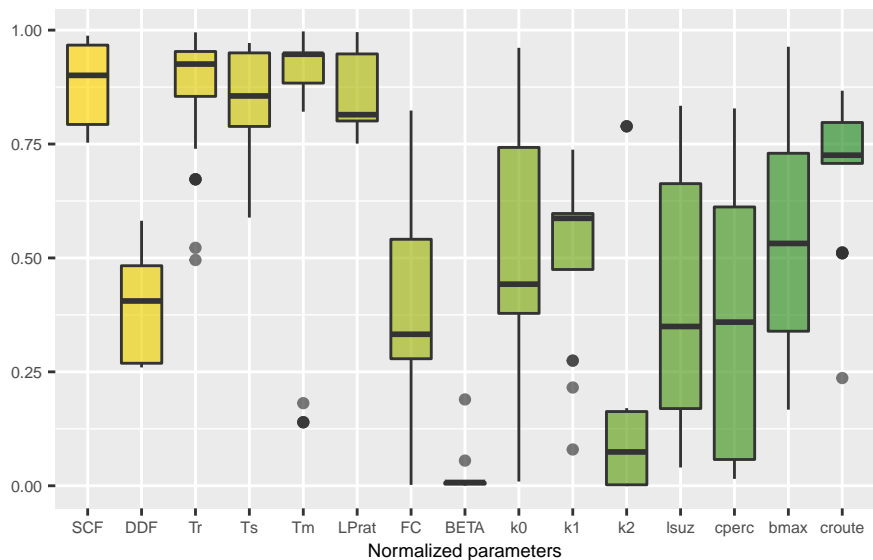
Lumped model parameter distributions (CORTM)



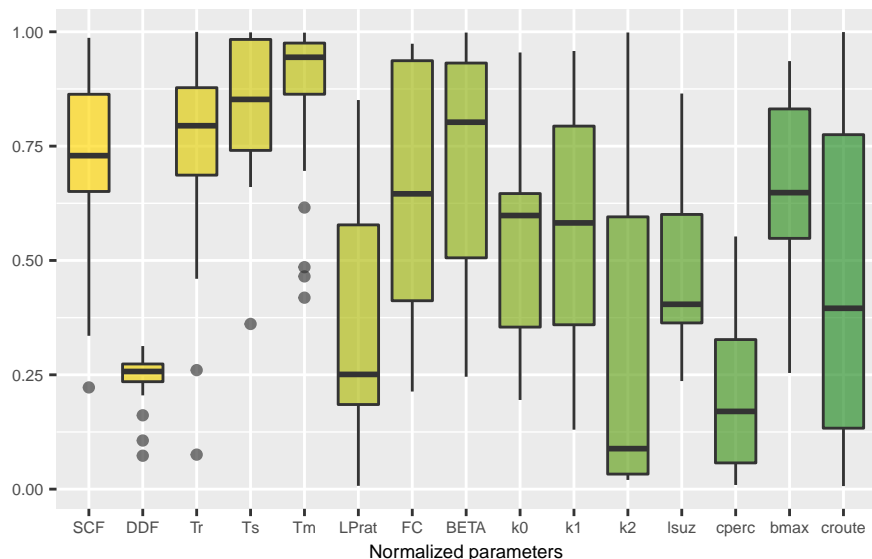
Lumped model parameter distributions (CURVO)



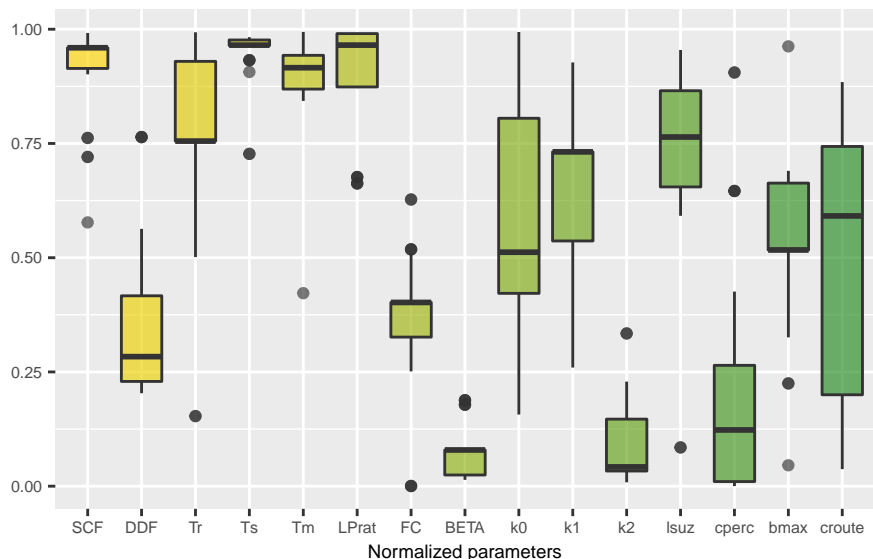
Lumped model parameter distributions (DBATA)



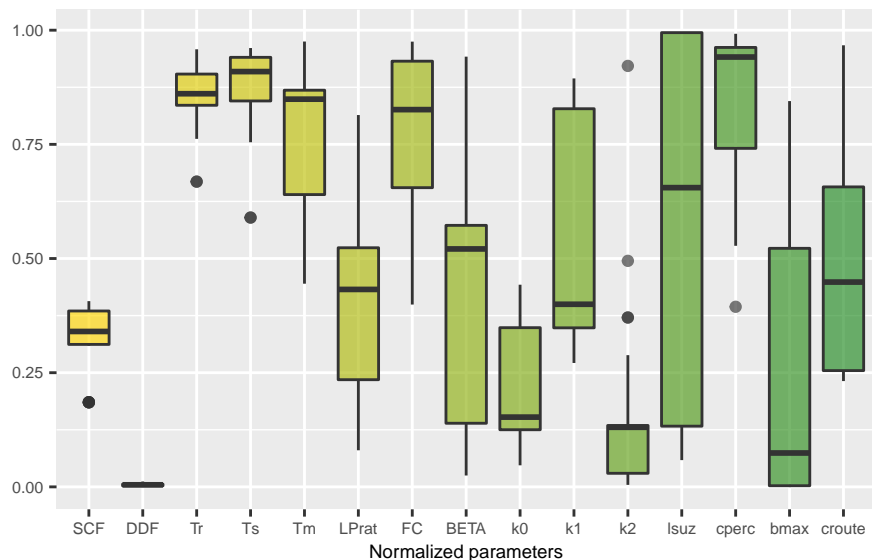
Lumped model parameter distributions (DBAVE)



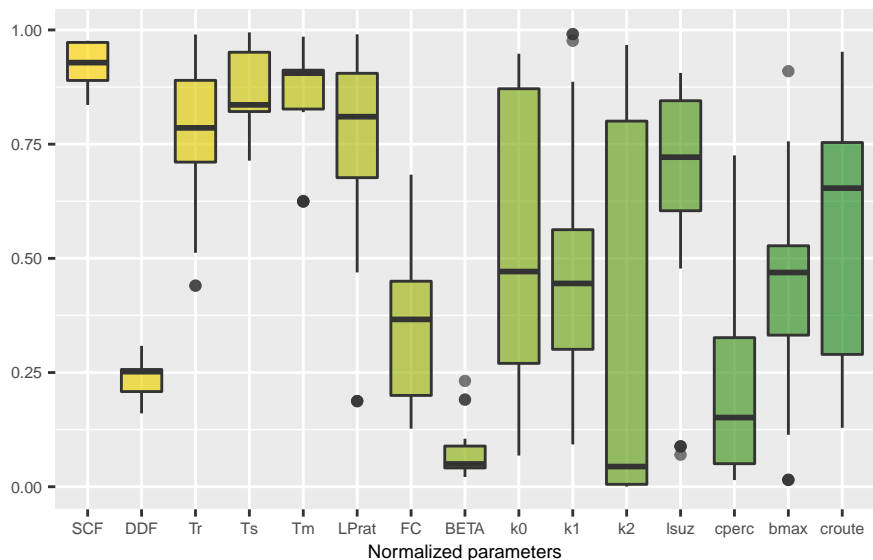
Lumped model parameter distributions (DBRBE)



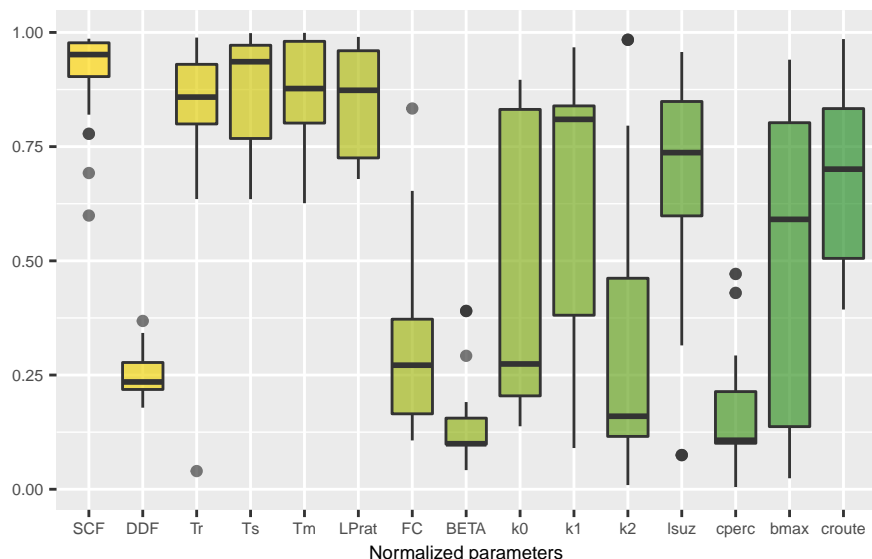
Lumped model parameter distributions (DEVBA)



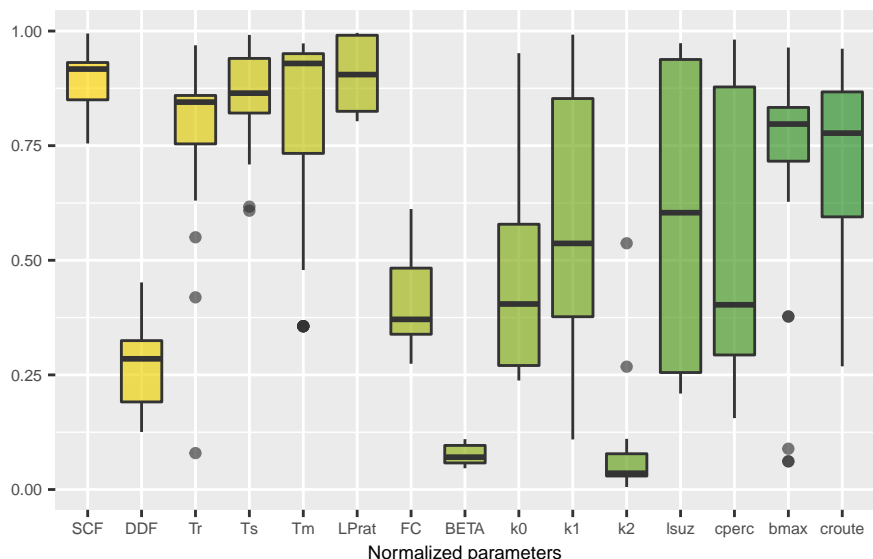
Lumped model parameter distributions (DRIOU)



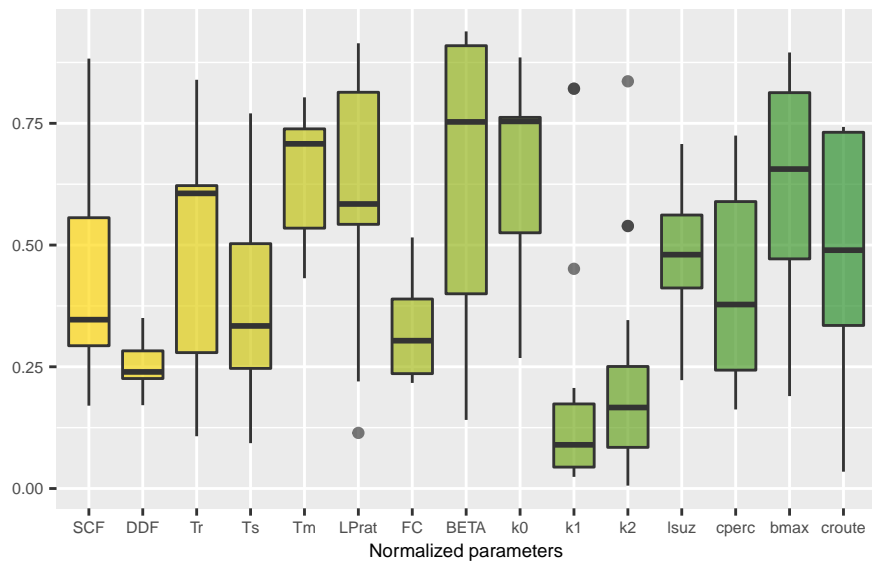
Lumped model parameter distributions (DRISU)



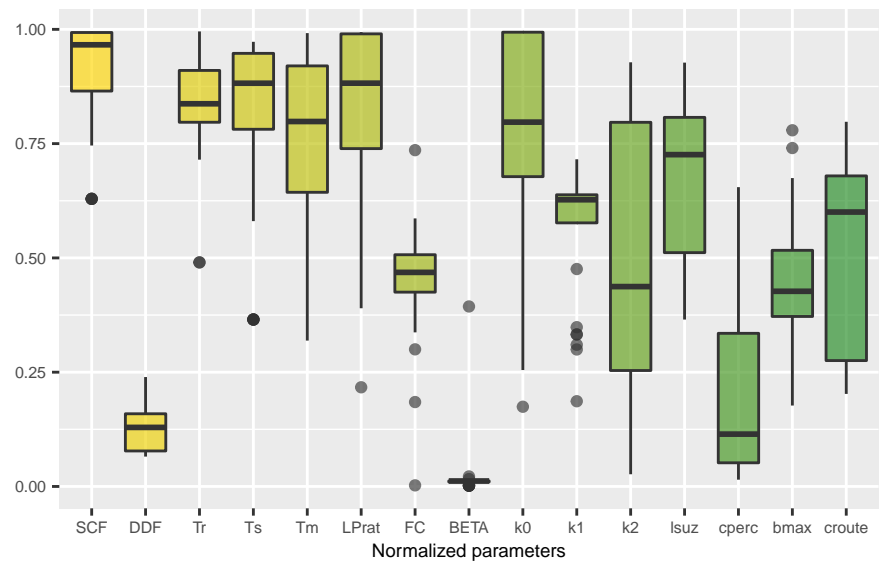
Lumped model parameter distributions (DRITO)



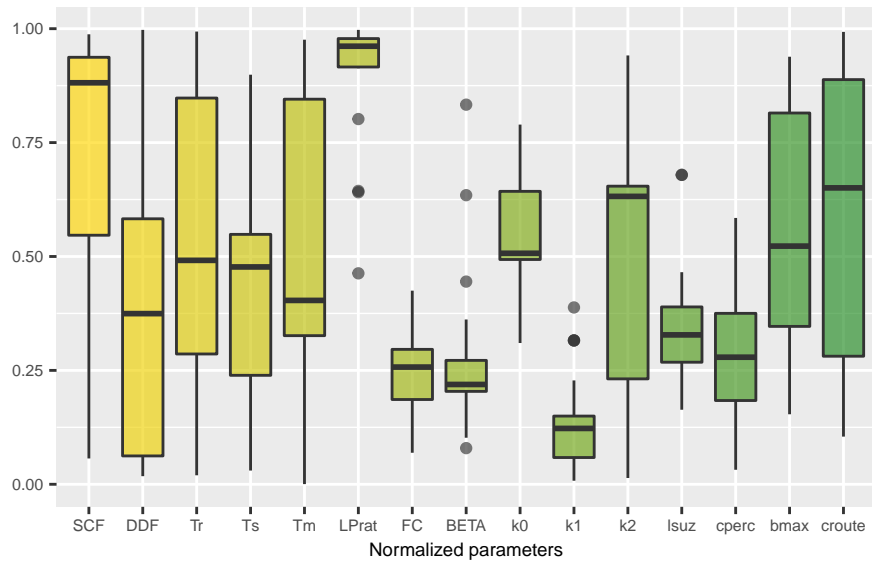
Lumped model parameter distributions (ELLMO)



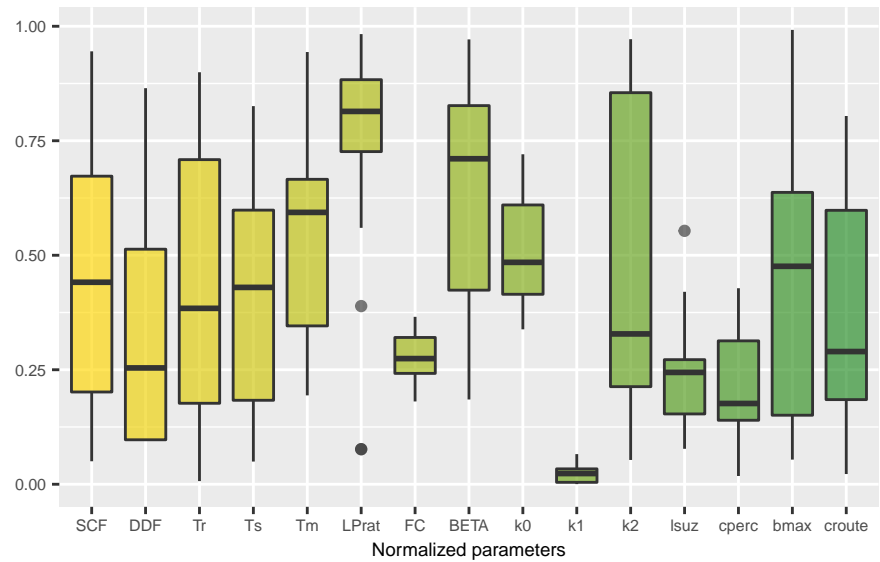
Lumped model parameter distributions (ELLRA)



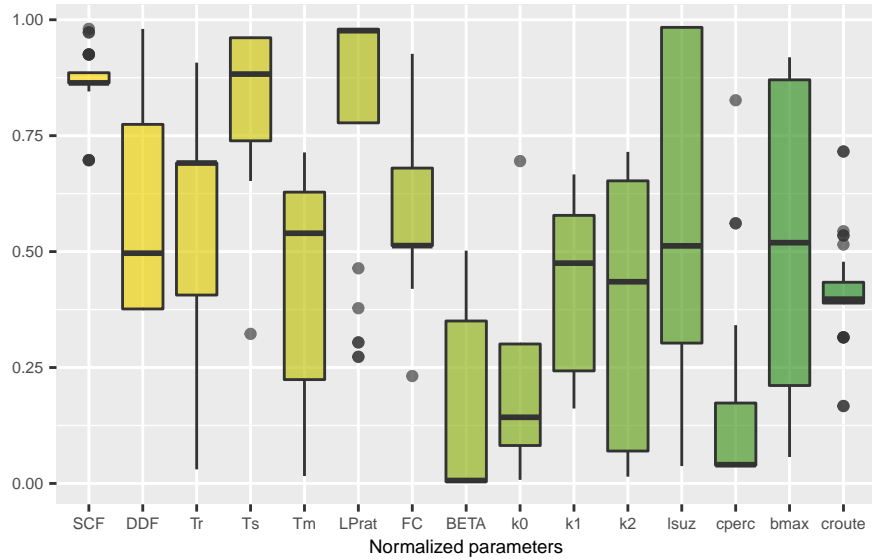
Lumped model parameter distributions (ELVCA)



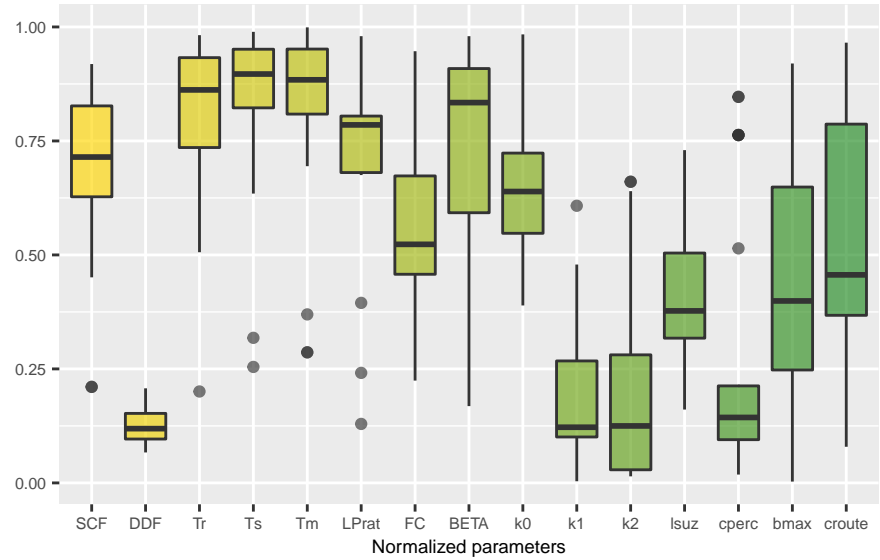
Lumped model parameter distributions (ERRCA)



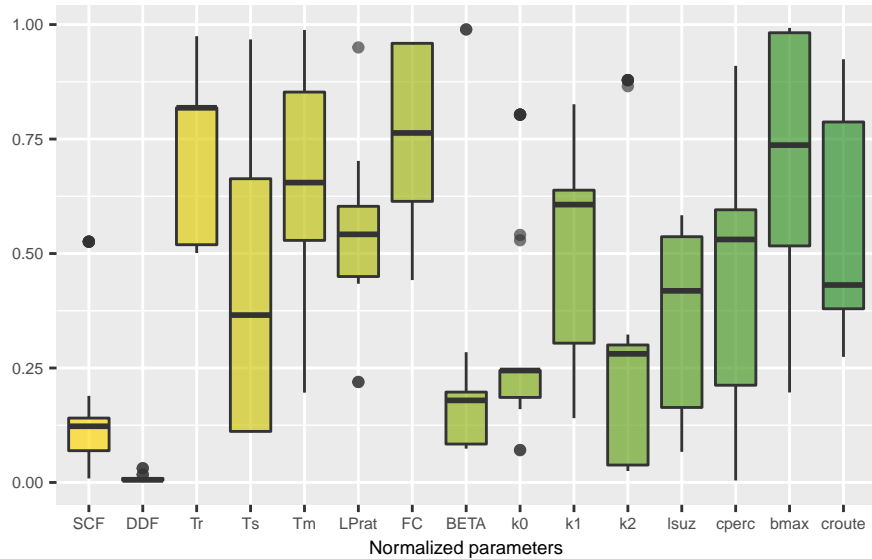
Lumped model parameter distributions (EVACH)



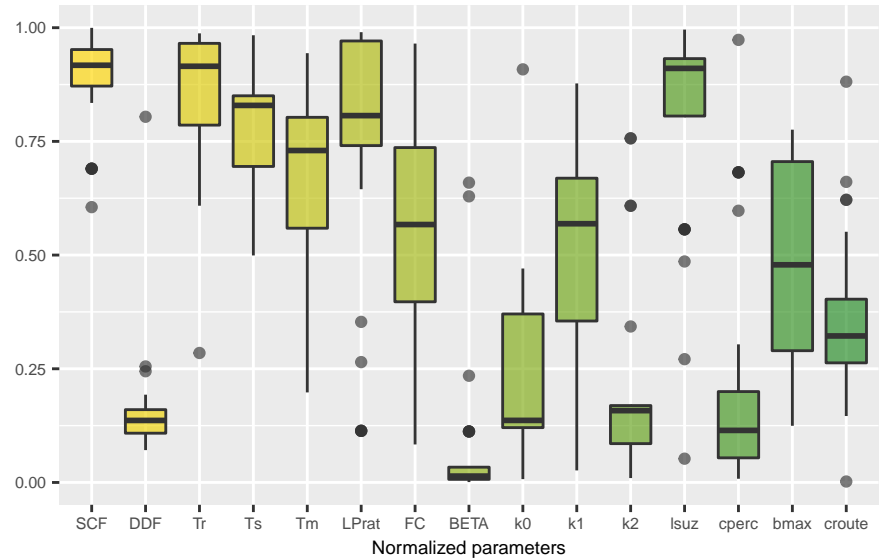
Lumped model parameter distributions (GERPE)



Lumped model parameter distributions (GESAN)

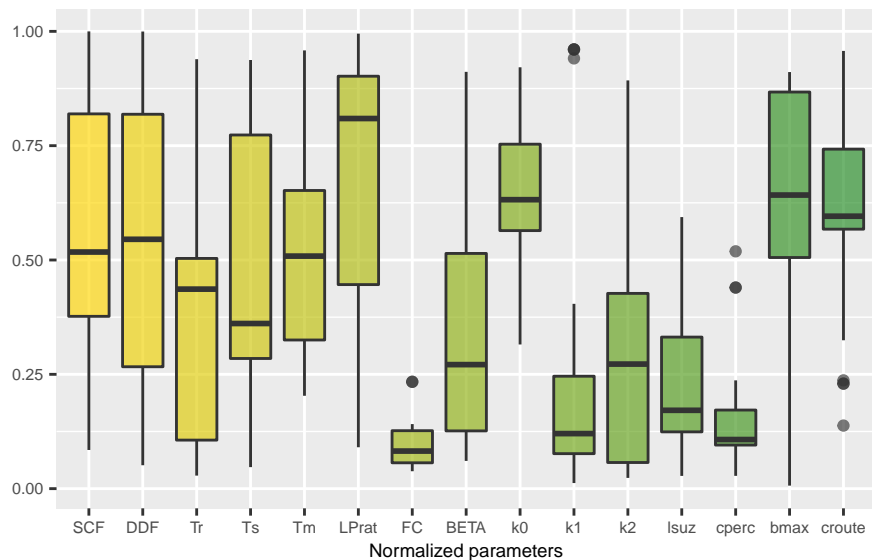


Lumped model parameter distributions (GESEN)

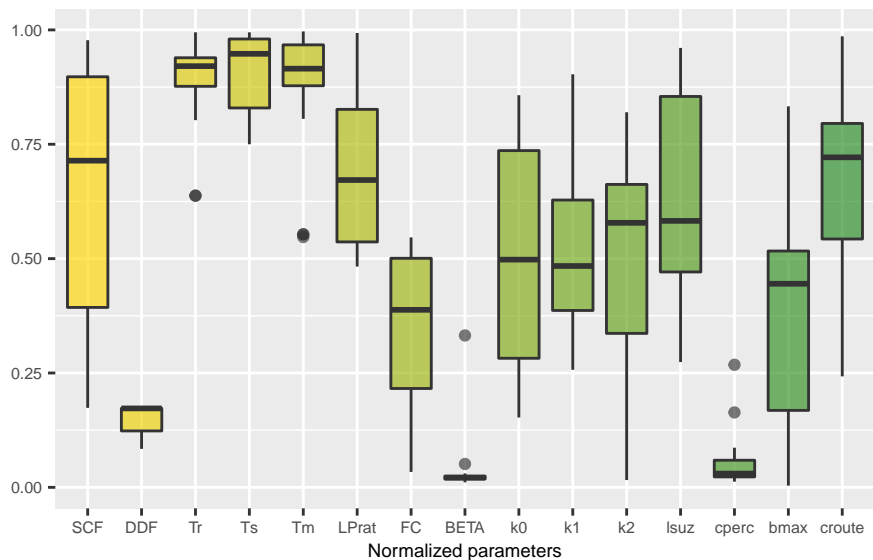




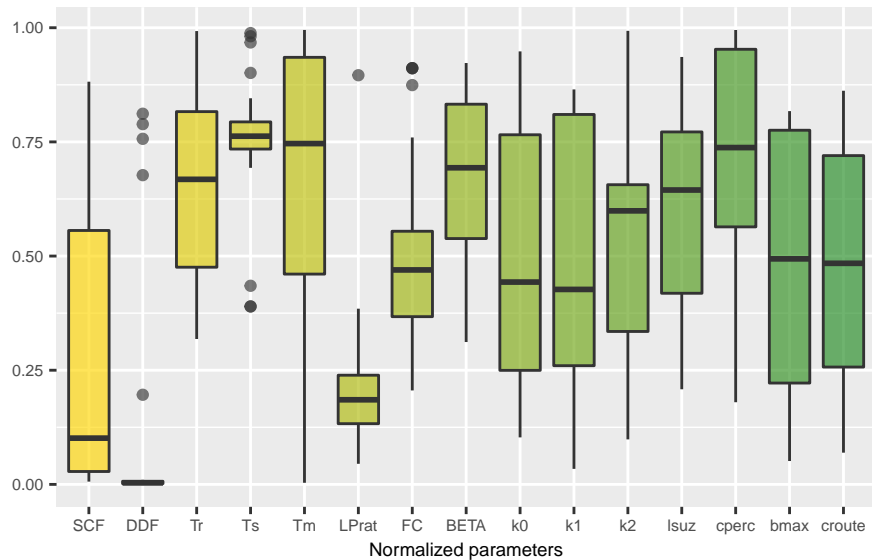
Lumped model parameter distributions (GHIST)



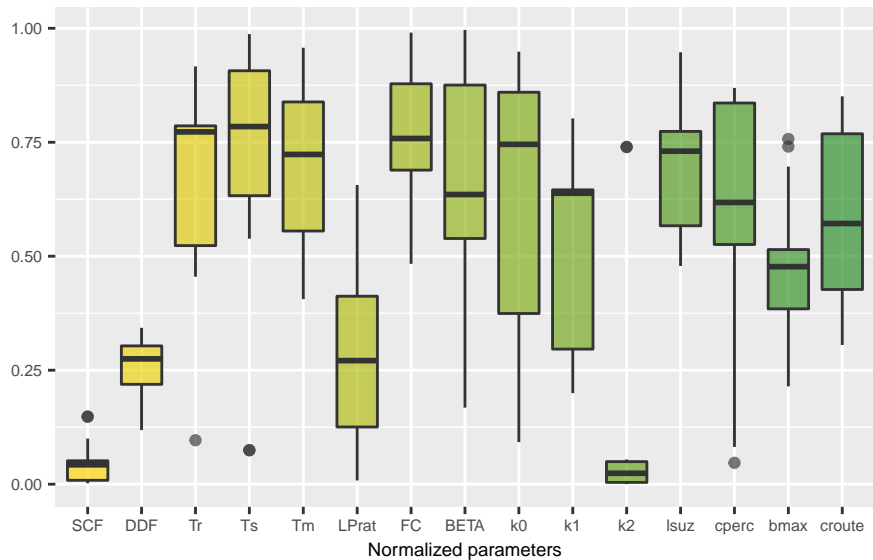
Lumped model parameter distributions (GRAMO)



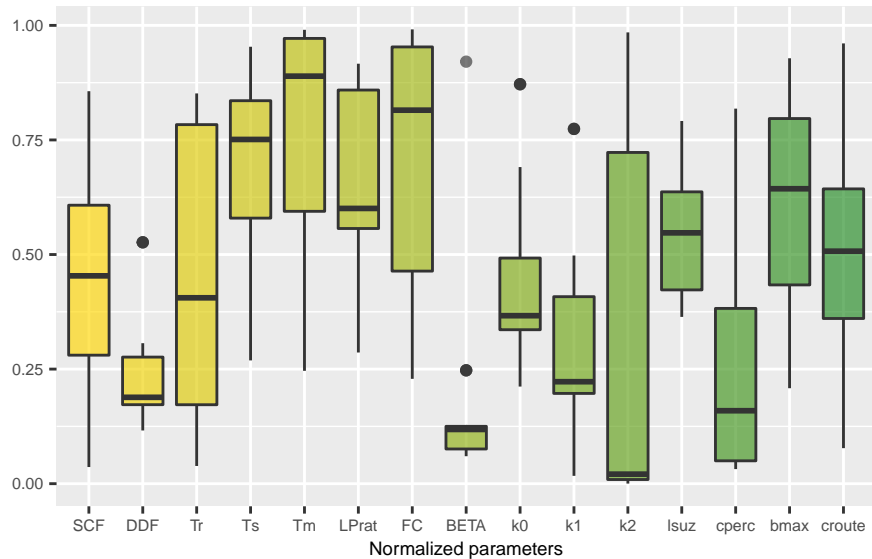
Lumped model parameter distributions (ISOPO)



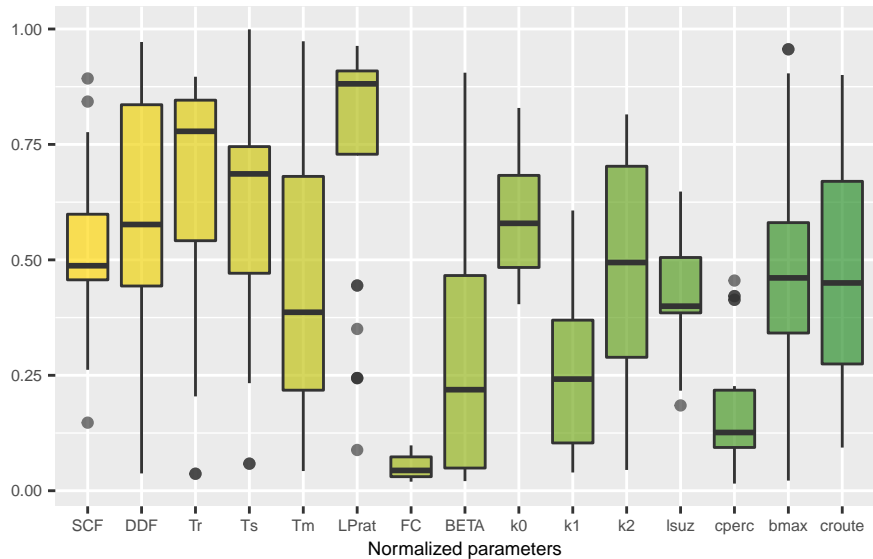
Lumped model parameter distributions (MAIBU)



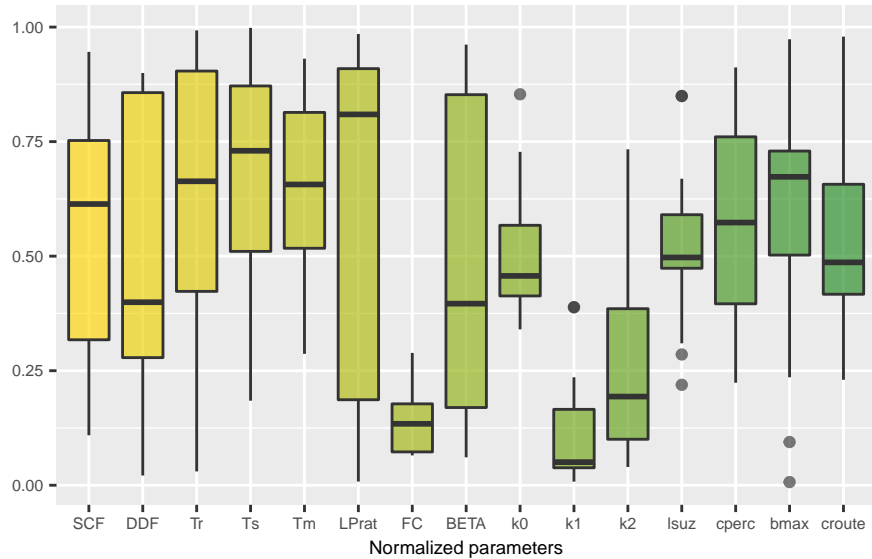
Lumped model parameter distributions (MAIRC)



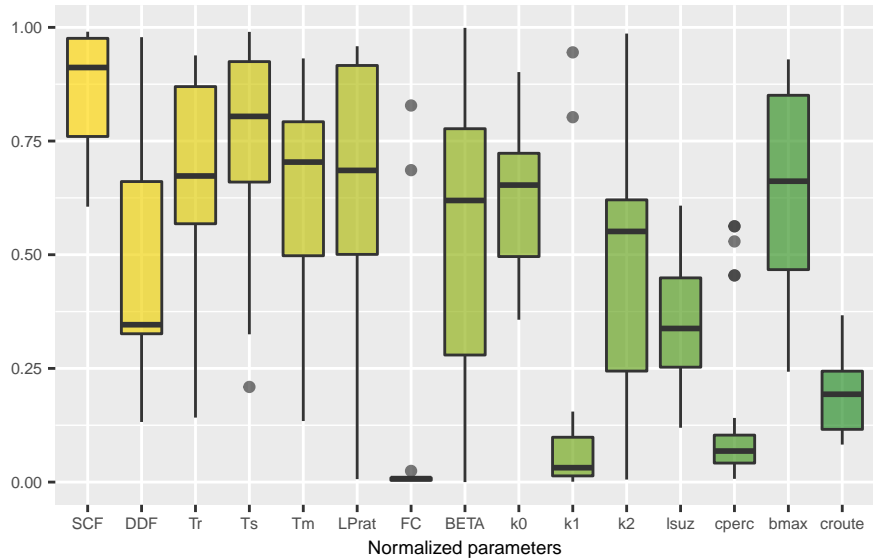
Lumped model parameter distributions (MALBR)



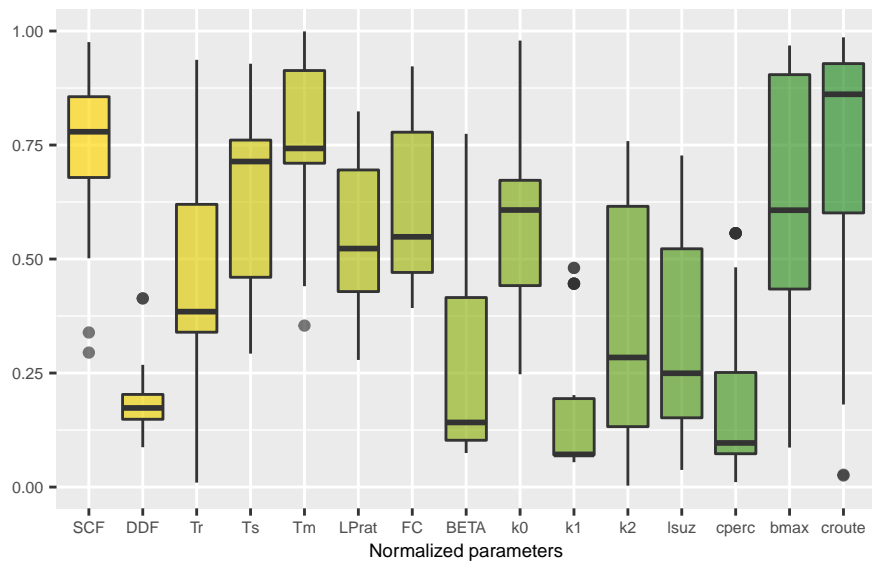
Lumped model parameter distributions (MALFR)



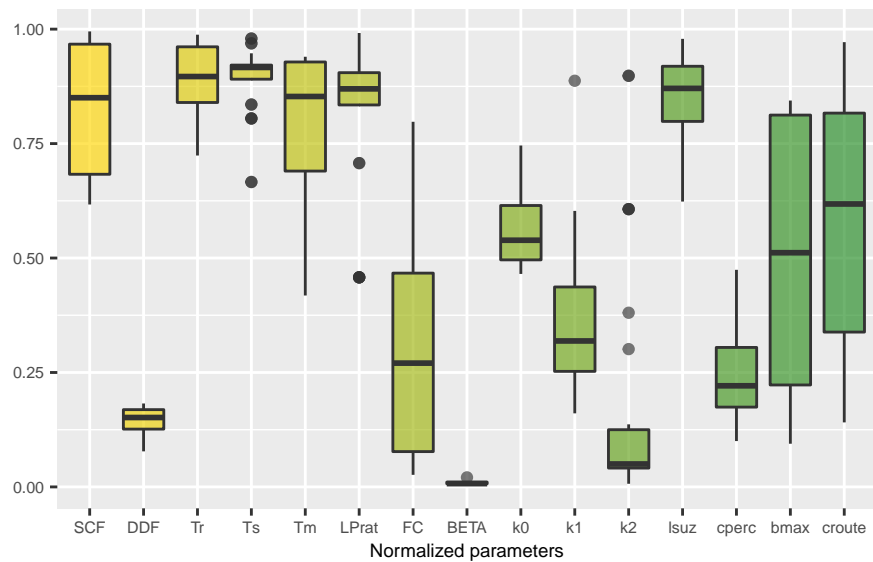
Lumped model parameter distributions (MASPF)



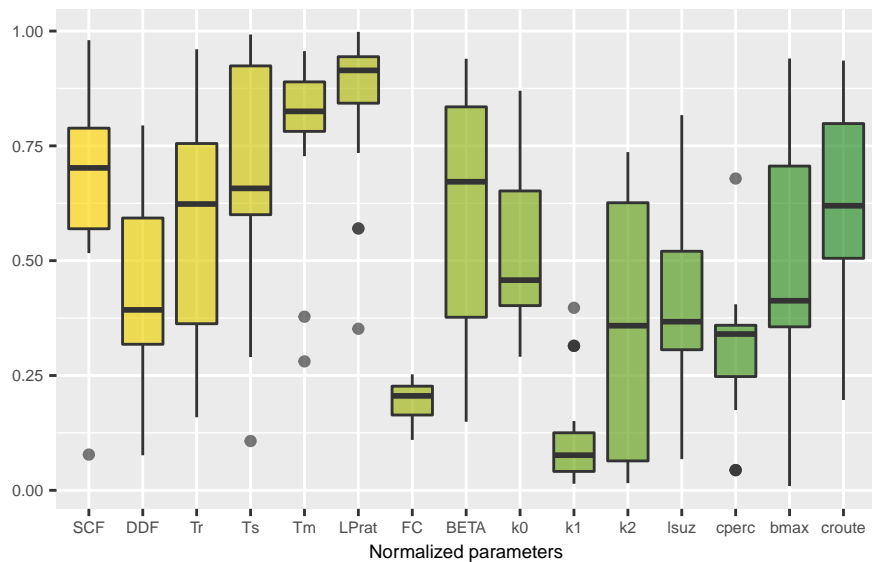
Lumped model parameter distributions (MONMO)



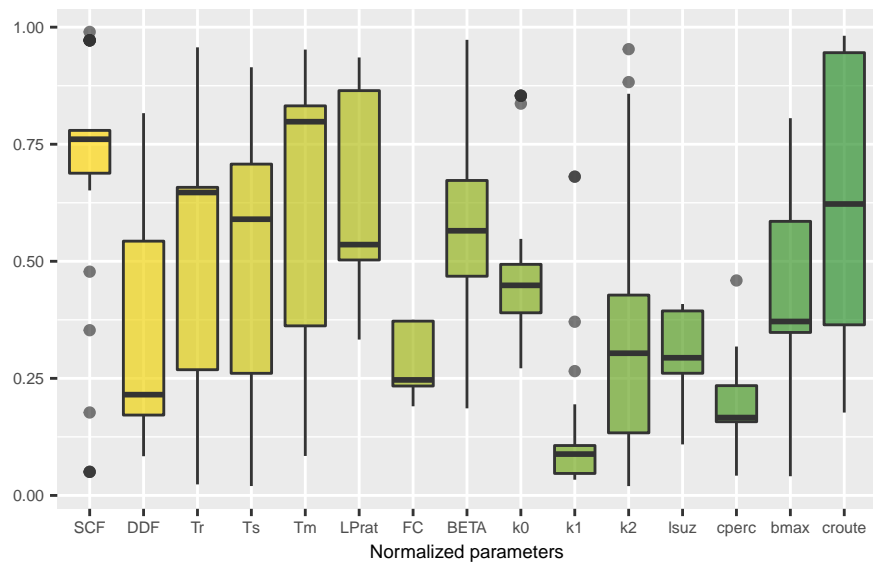
Lumped model parameter distributions (NEGPO)



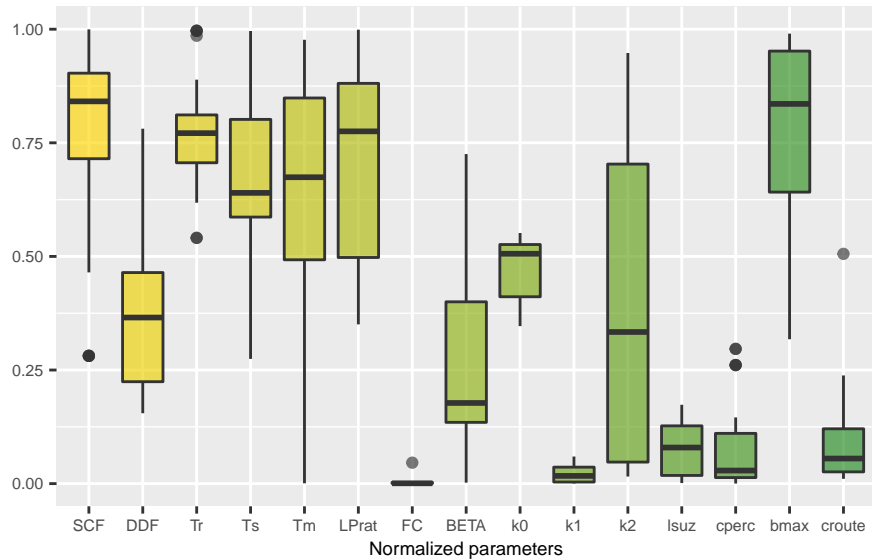
Lumped model parameter distributions (ORBBA)



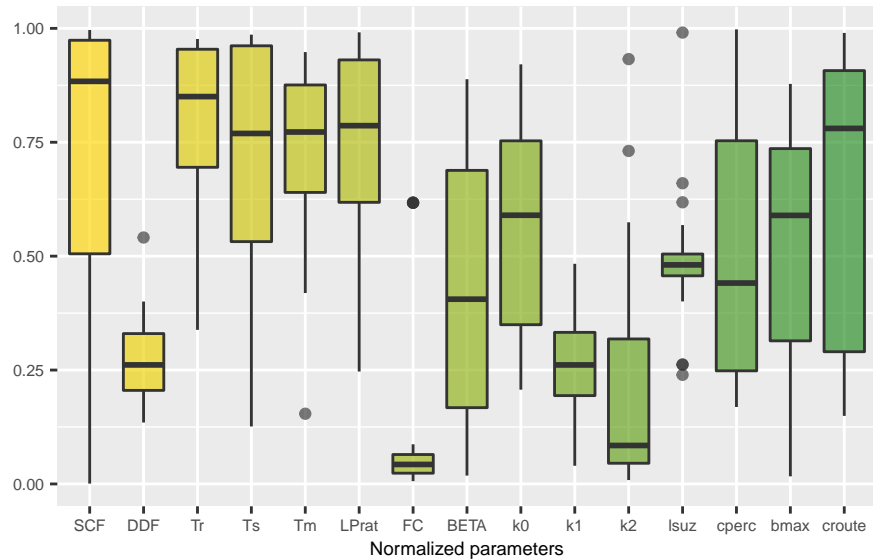
Lumped model parameter distributions (ORBCA)



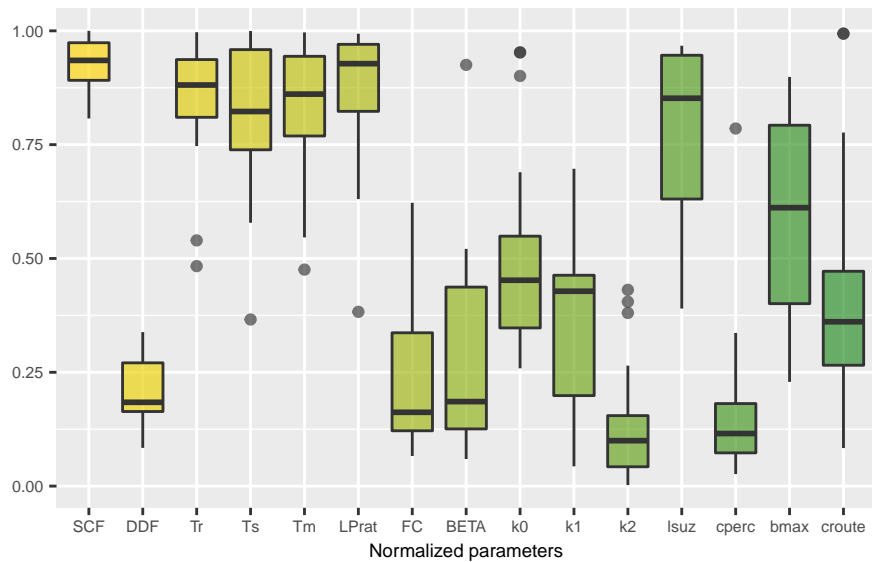
Lumped model parameter distributions (ORBTI)



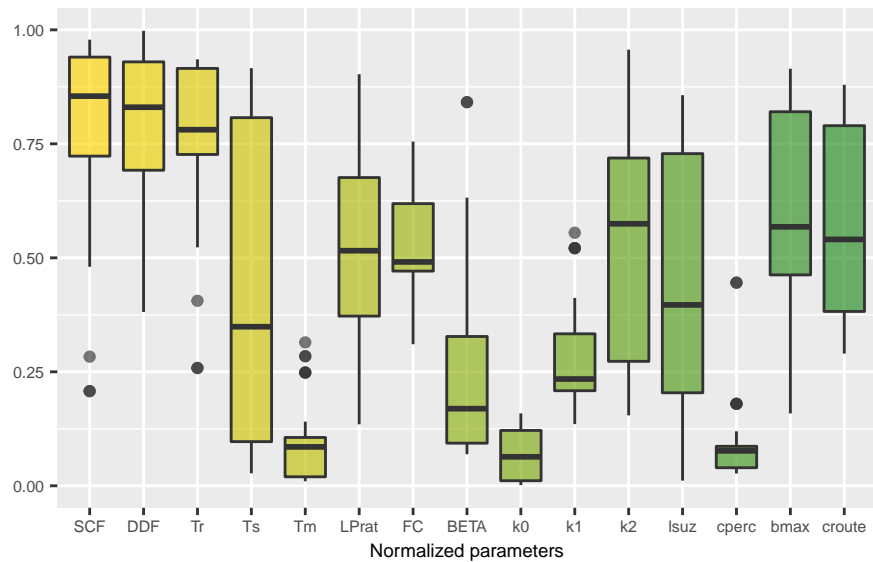
Lumped model parameter distributions (ORCCU)



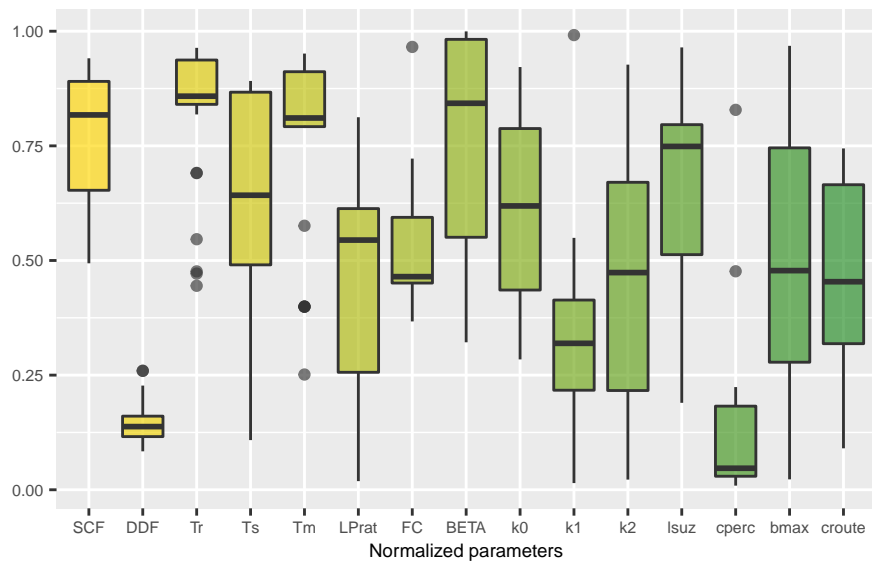
Lumped model parameter distributions (ORCSB)



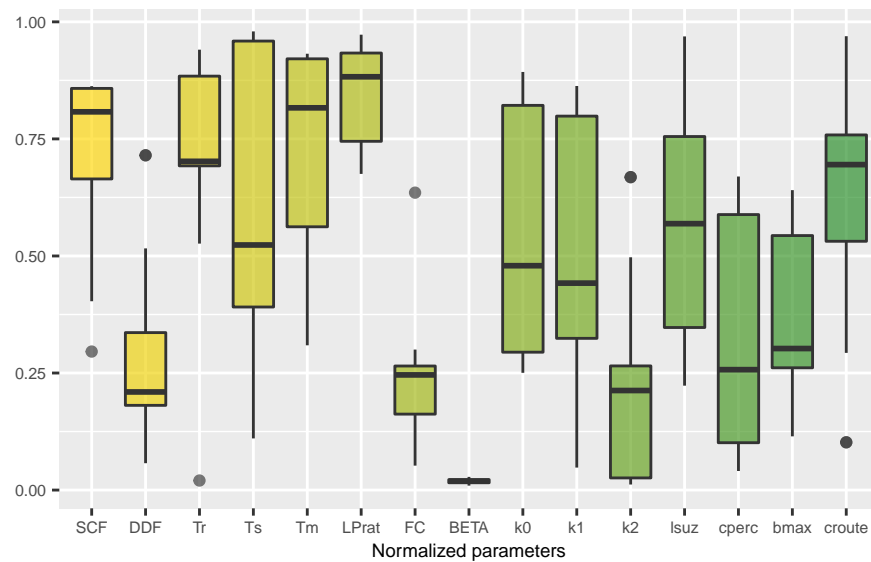
Lumped model parameter distributions (PELLU)



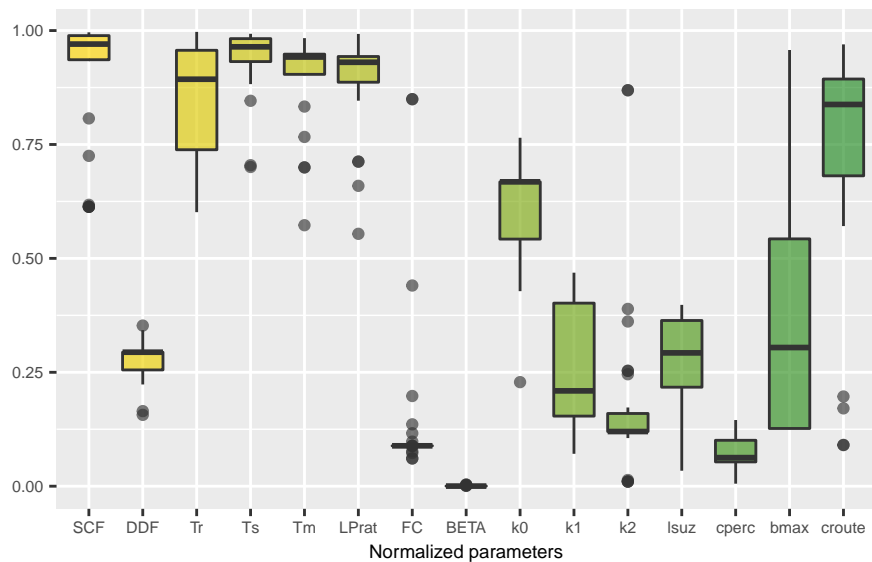
Lumped model parameter distributions (PELVI)



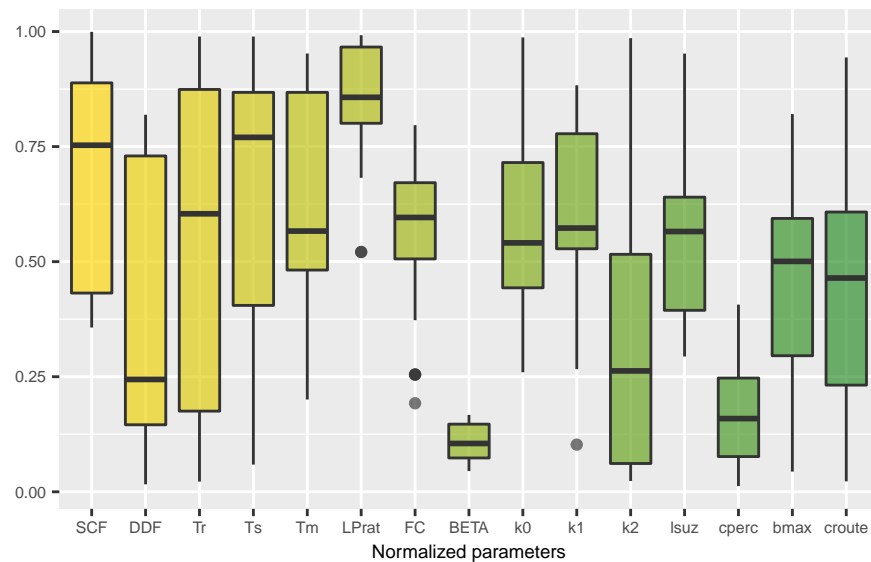
Lumped model parameter distributions (PESCA)



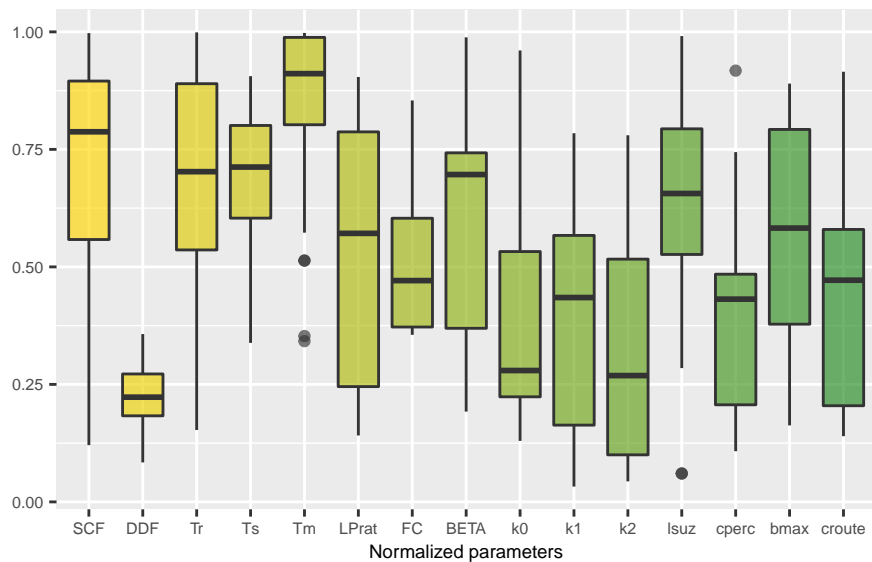
Lumped model parameter distributions (PESSB)



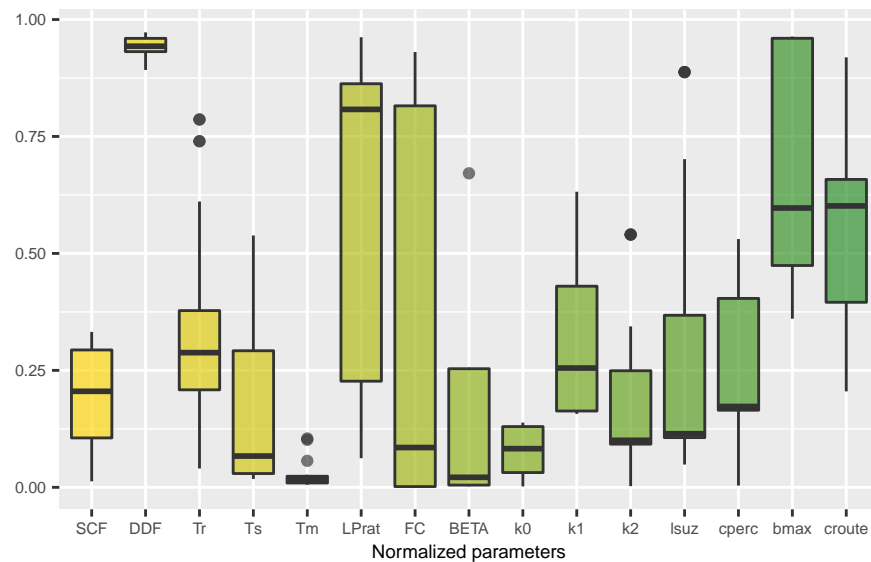
Lumped model parameter distributions (POCA)



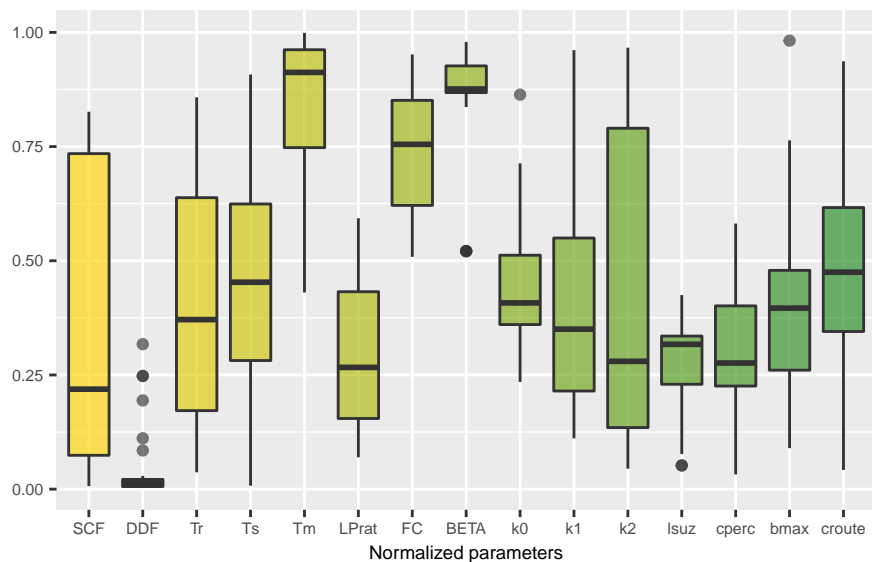
Lumped model parameter distributions (POCM)



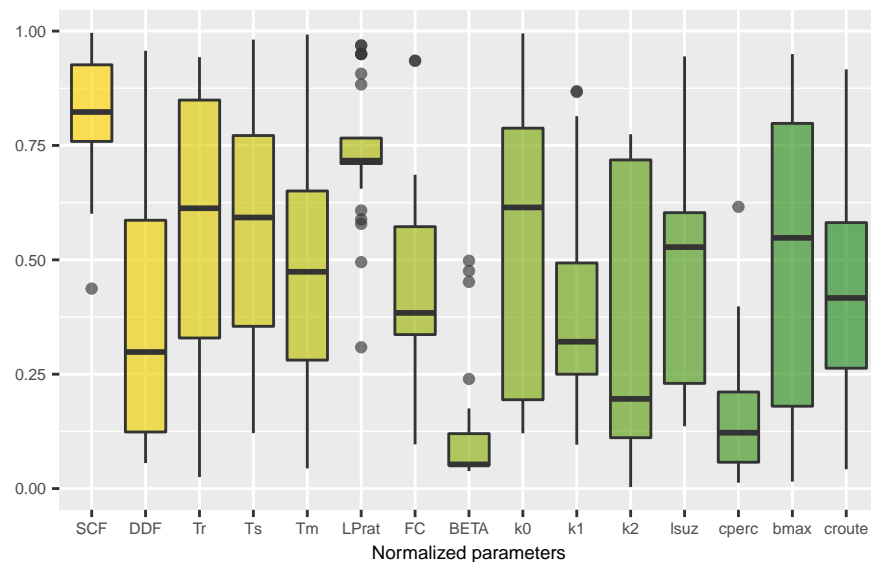
Lumped model parameter distributions (POCS)



Lumped model parameter distributions (POCT)

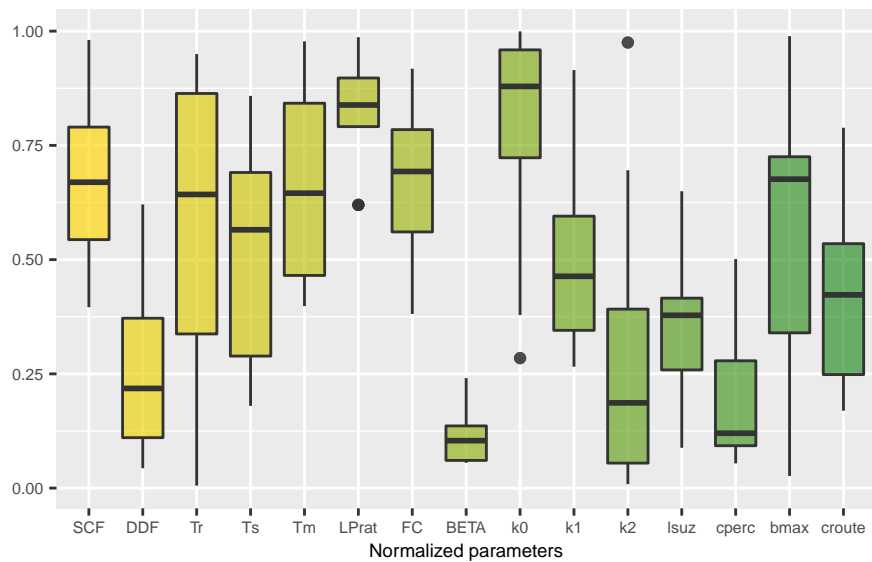


Lumped model parameter distributions (POIS)

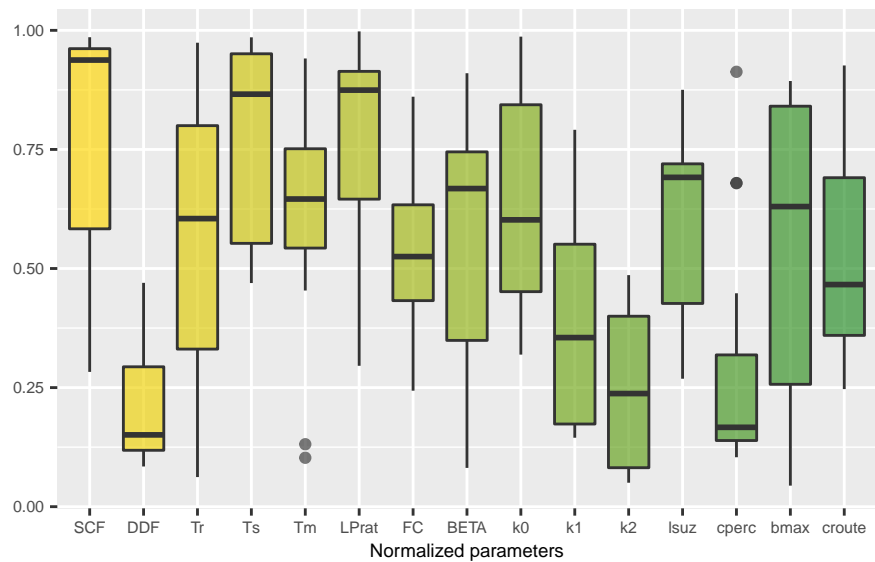




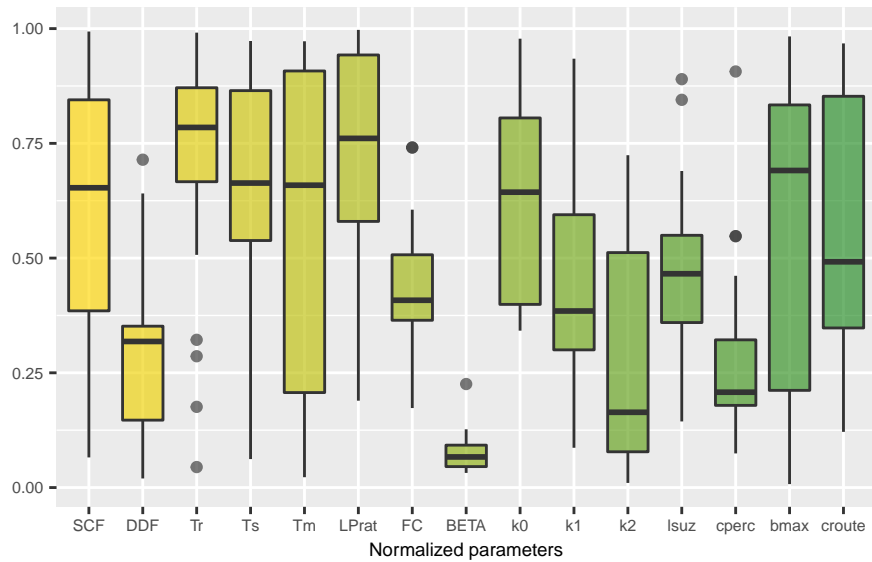
Lumped model parameter distributions (POMO)



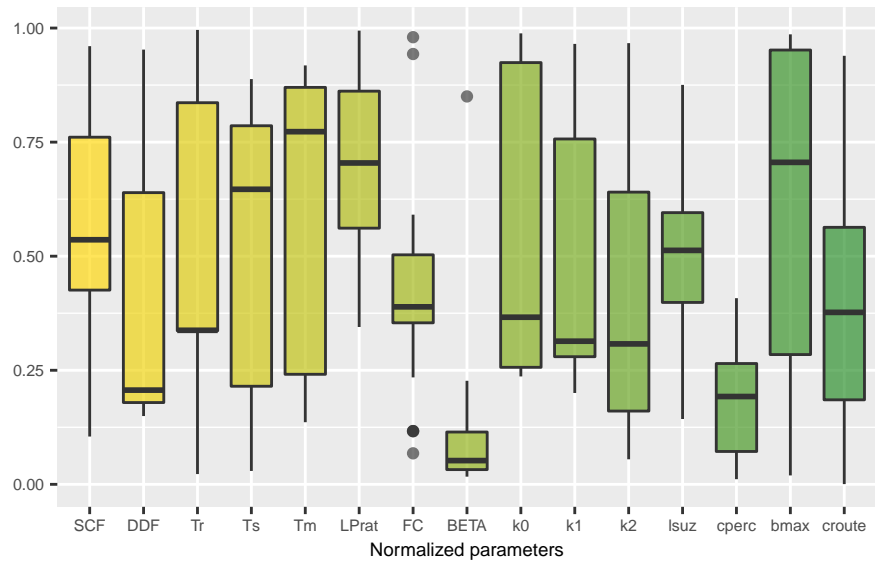
Lumped model parameter distributions (POSS)



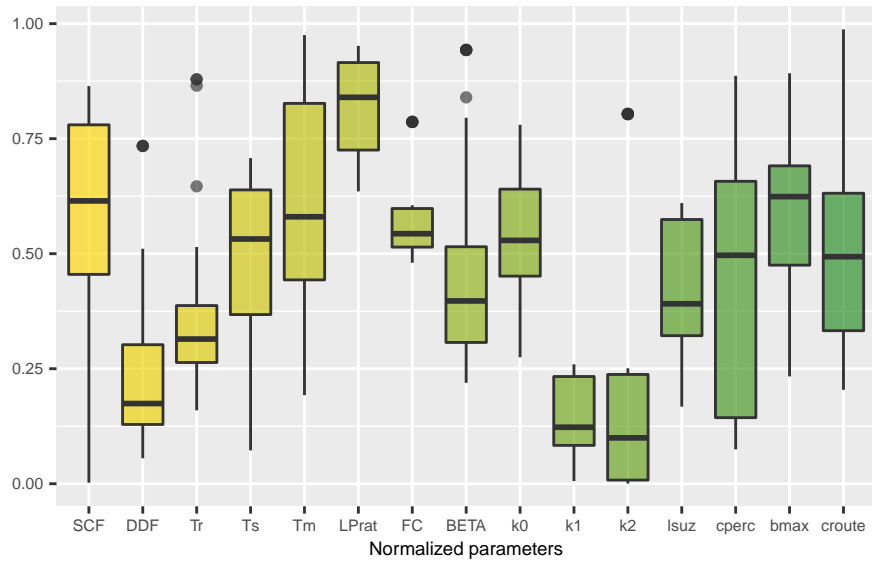
Lumped model parameter distributions (POTO)



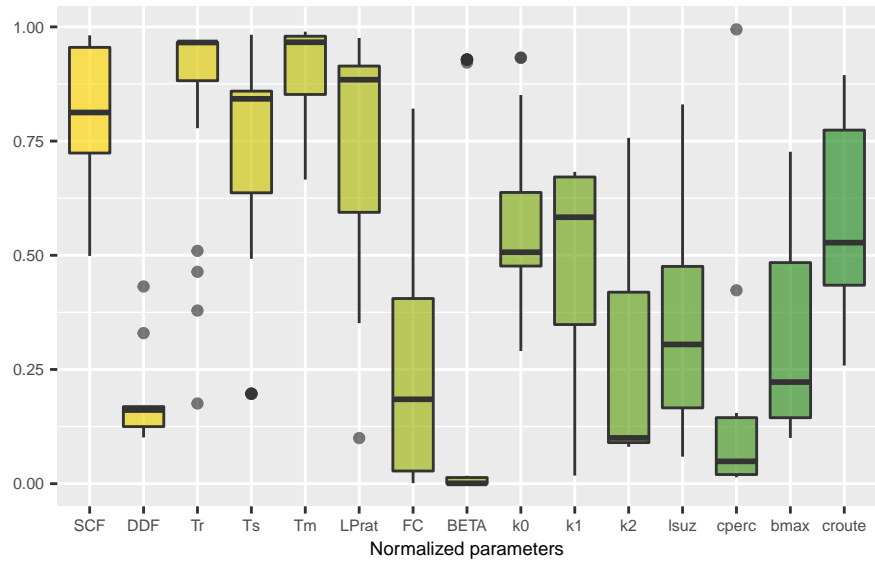
Lumped model parameter distributions (POVA)



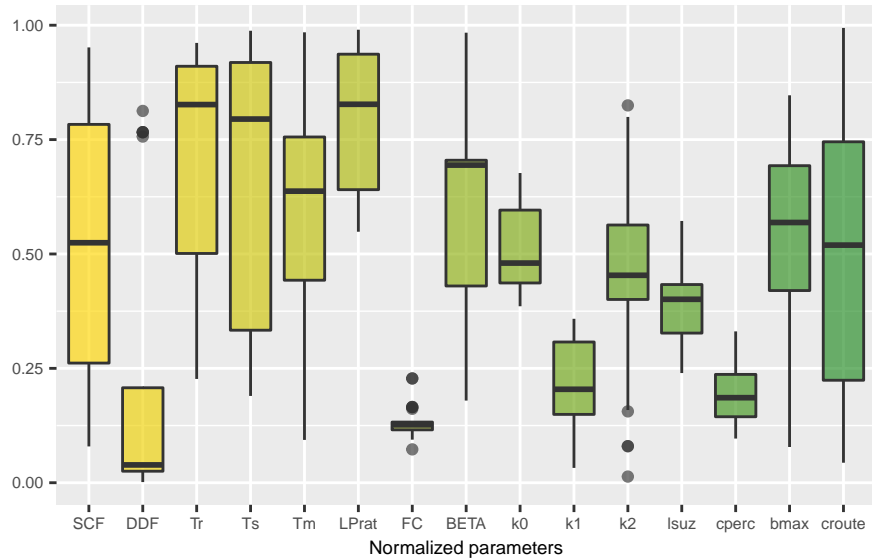
Lumped model parameter distributions (READO)



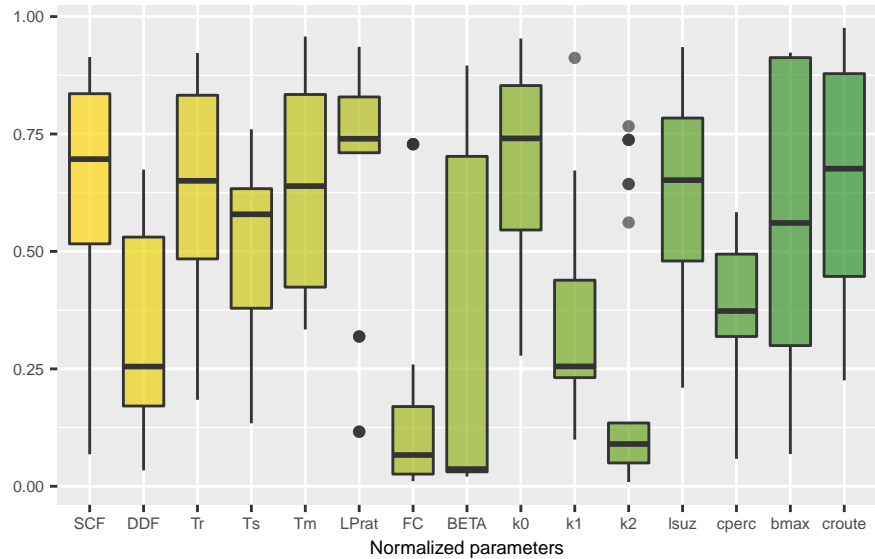
Lumped model parameter distributions (RUTPR)



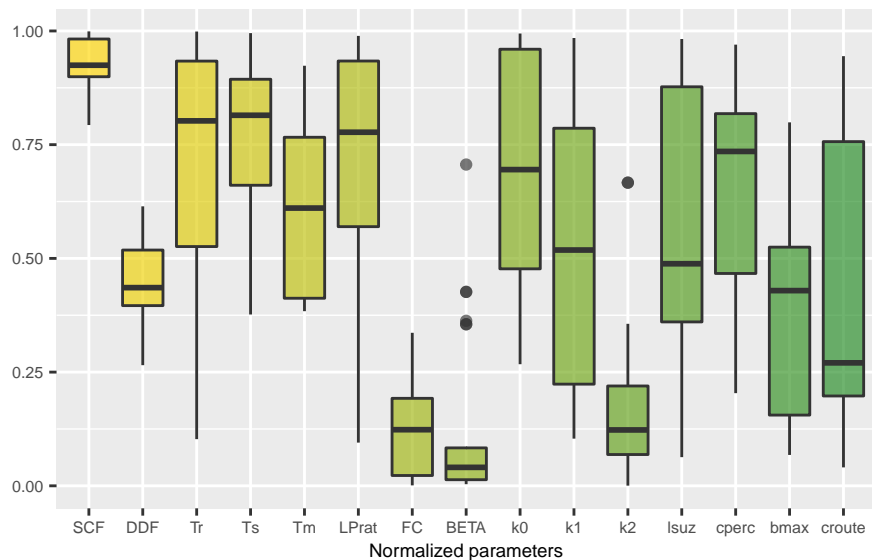
Lumped model parameter distributions (SANMO)



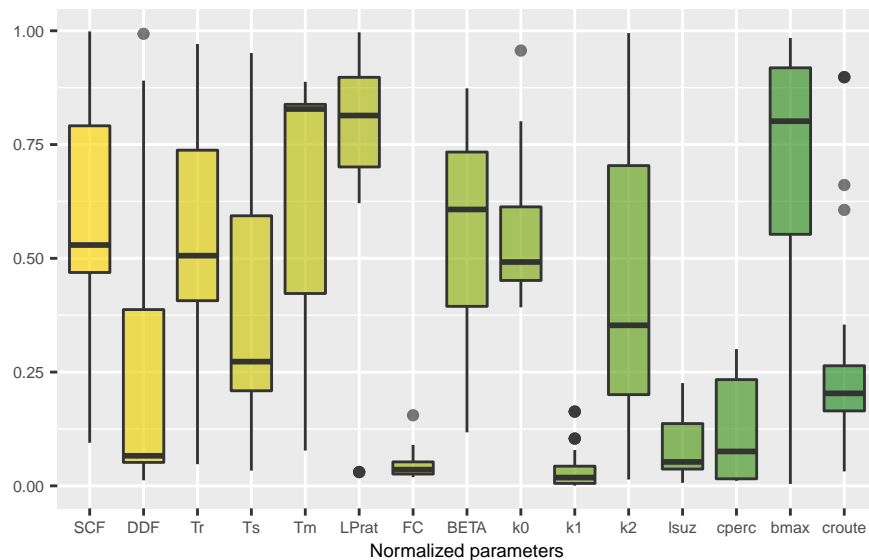
Lumped model parameter distributions (SANTR)



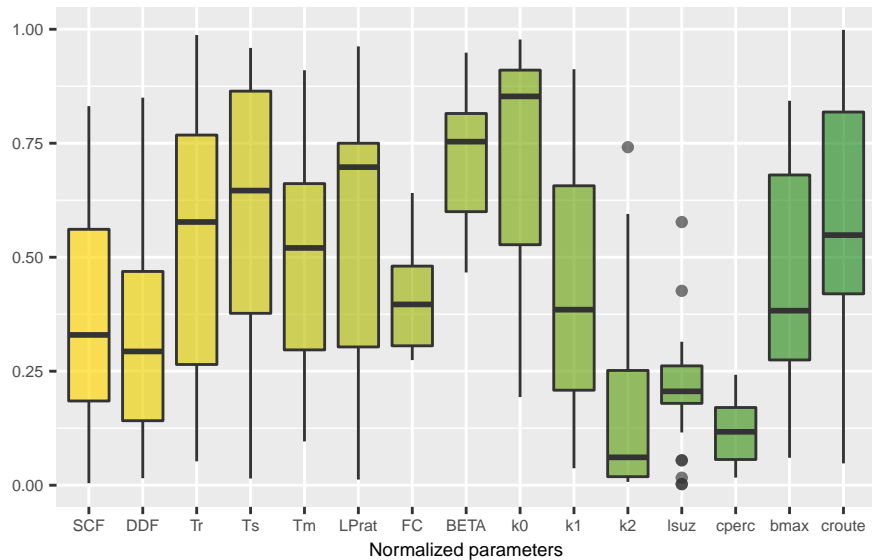
Lumped model parameter distributions (SAVER)



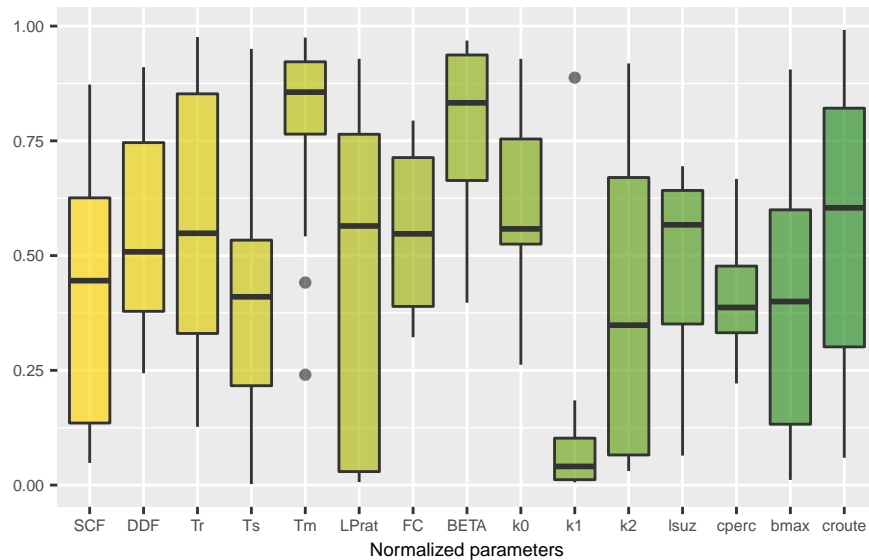
Lumped model parameter distributions (SBESA)



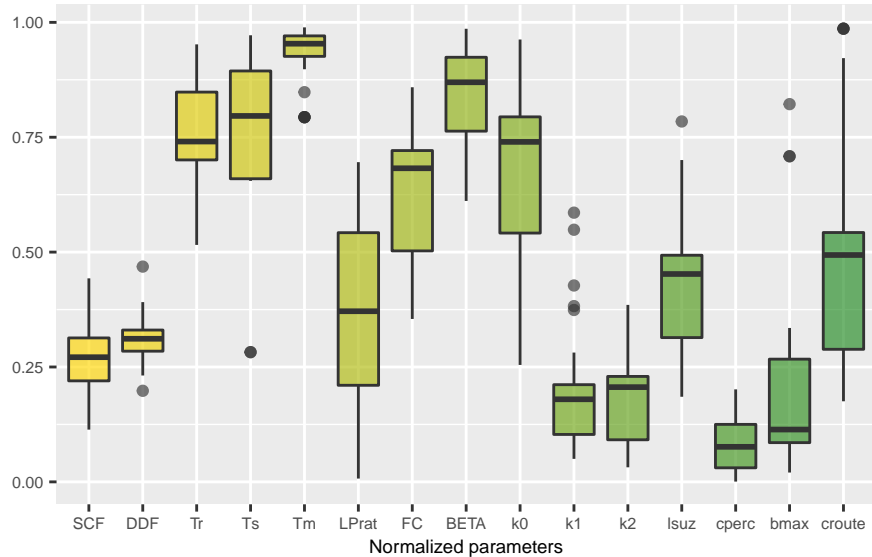
Lumped model parameter distributions (SCRGU)



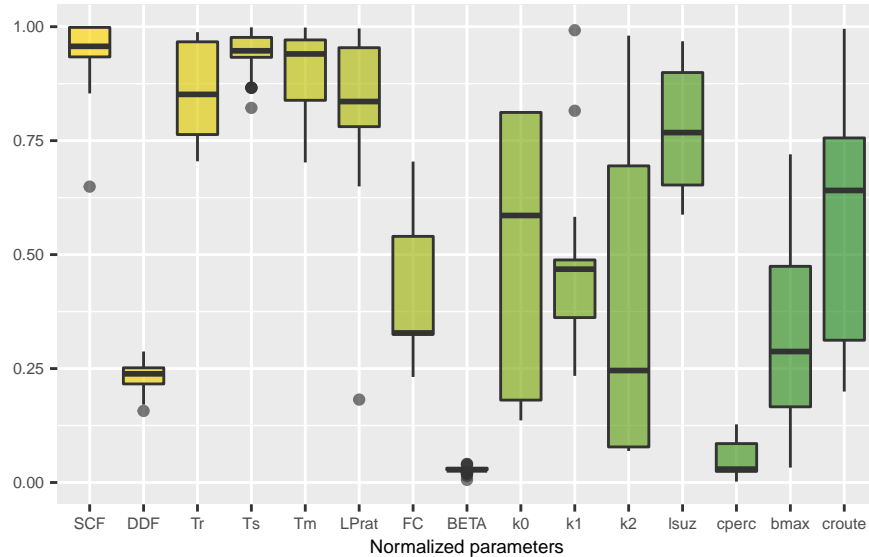
Lumped model parameter distributions (SCRSE)



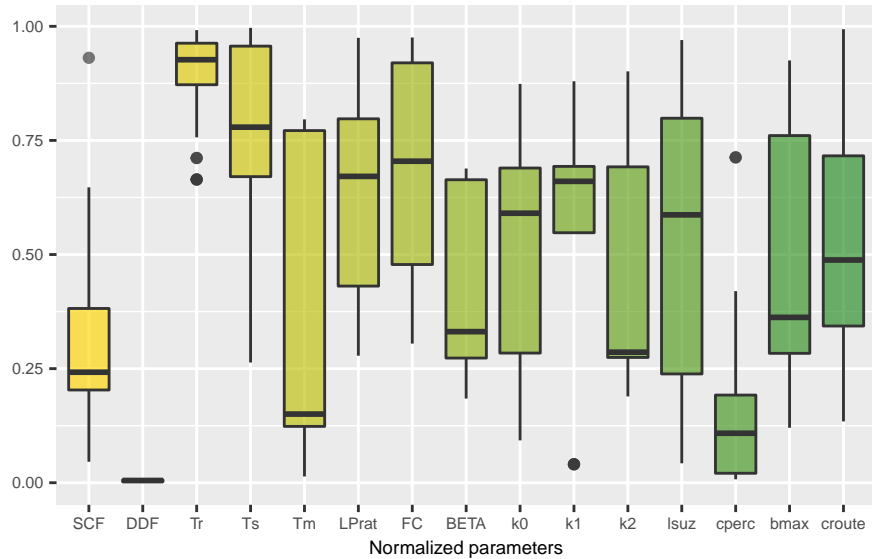
Lumped model parameter distributions (SDEFO)



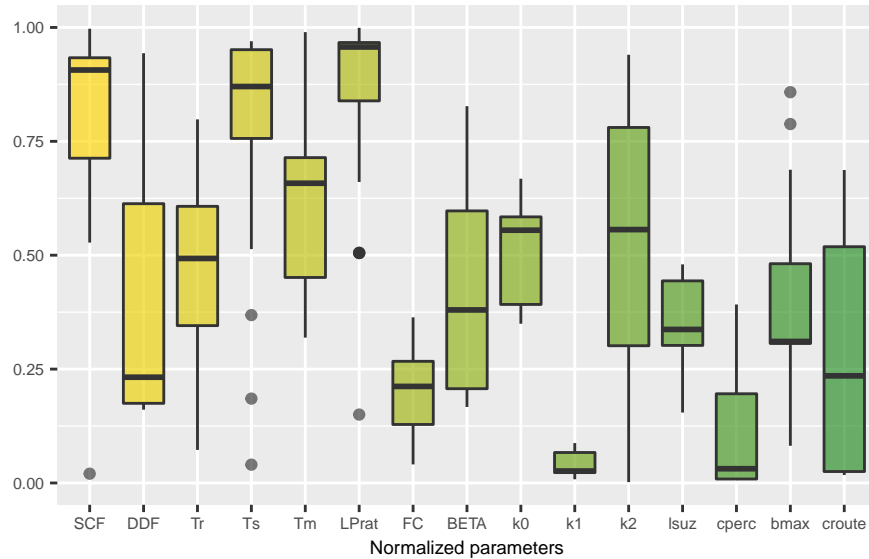
Lumped model parameter distributions (SDEGA)



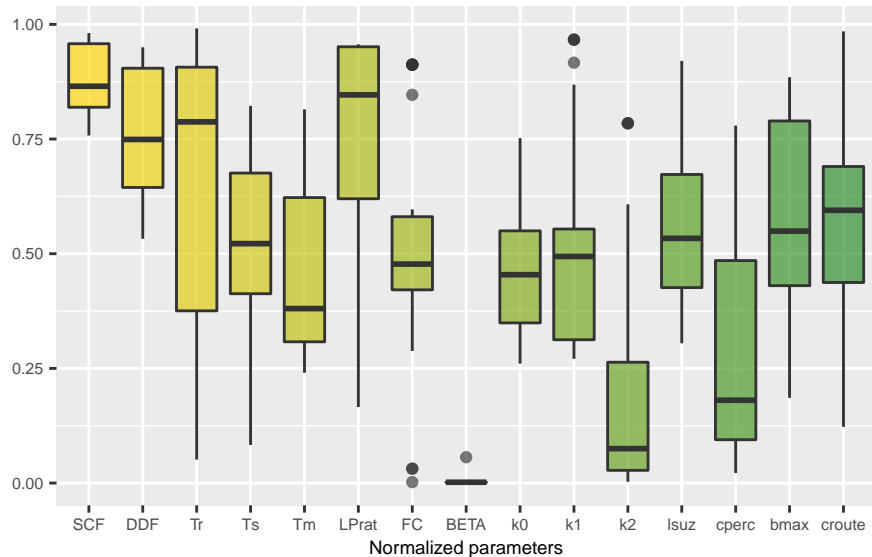
Lumped model parameter distributions (SDEVI)



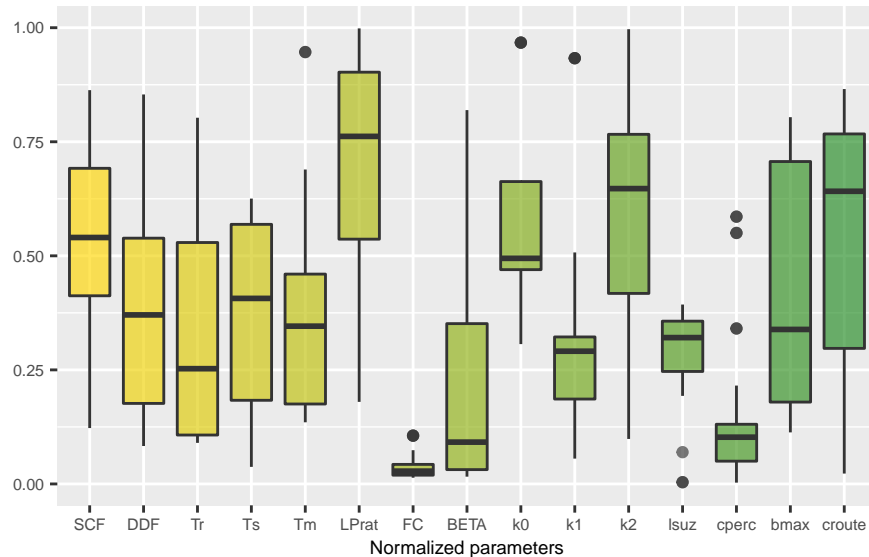
Lumped model parameter distributions (SESBO)



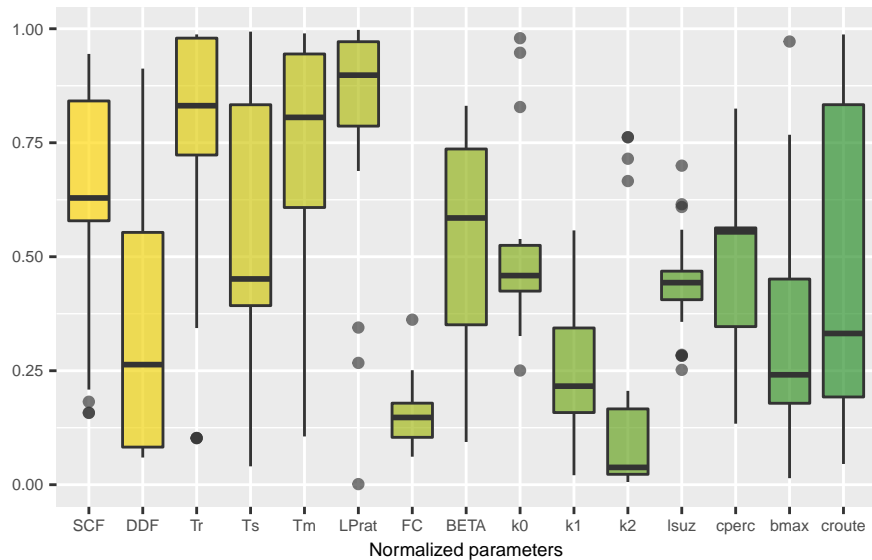
Lumped model parameter distributions (SESCA)



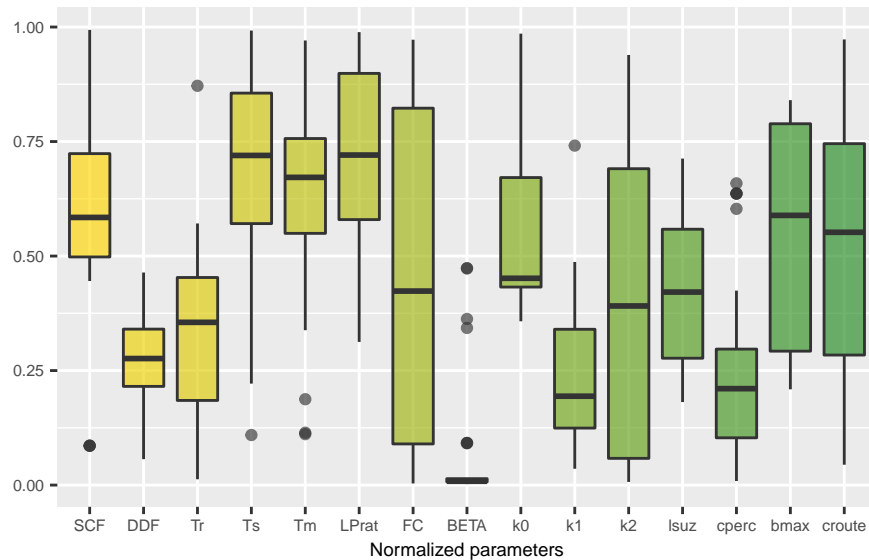
Lumped model parameter distributions (SESPA)



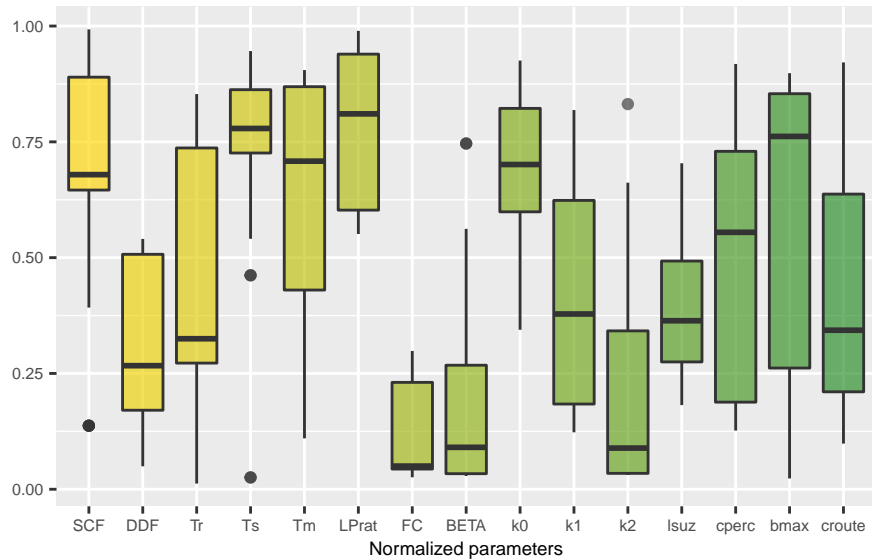
Lumped model parameter distributions (SGIVE)



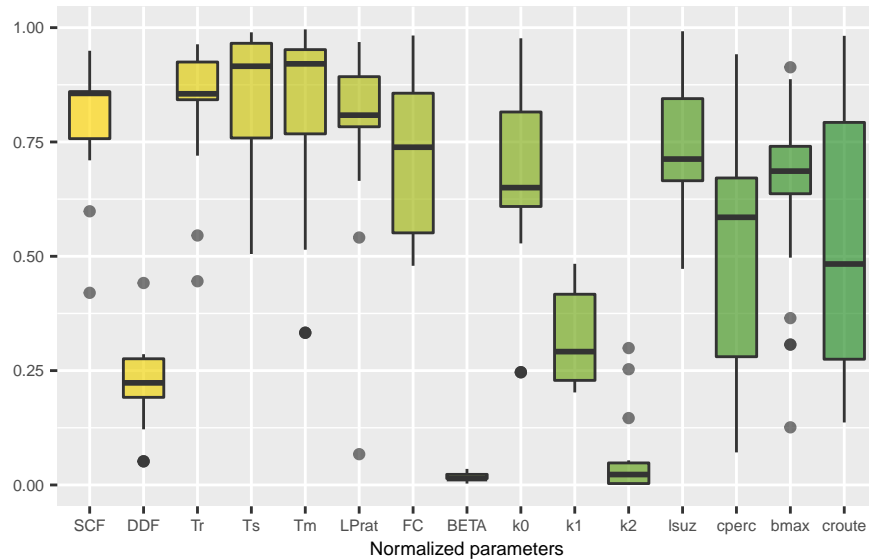
Lumped model parameter distributions (SLALA)



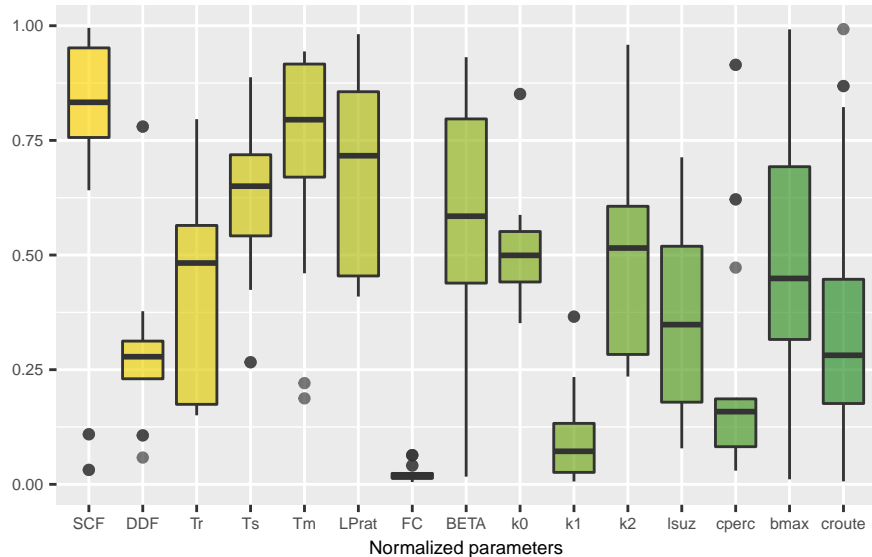
Lumped model parameter distributions (SLATO)



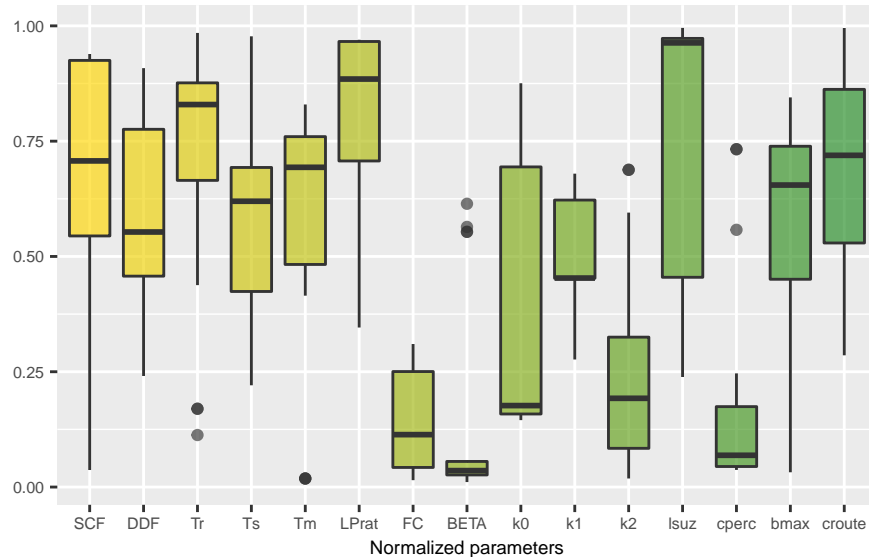
Lumped model parameter distributions (SOAPO)



Lumped model parameter distributions (SSEPR)

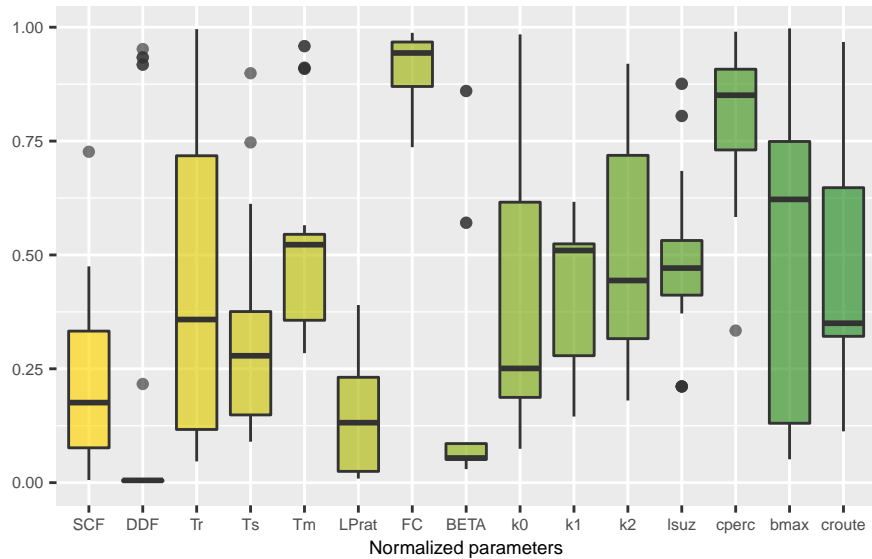


Lumped model parameter distributions (STGGR)

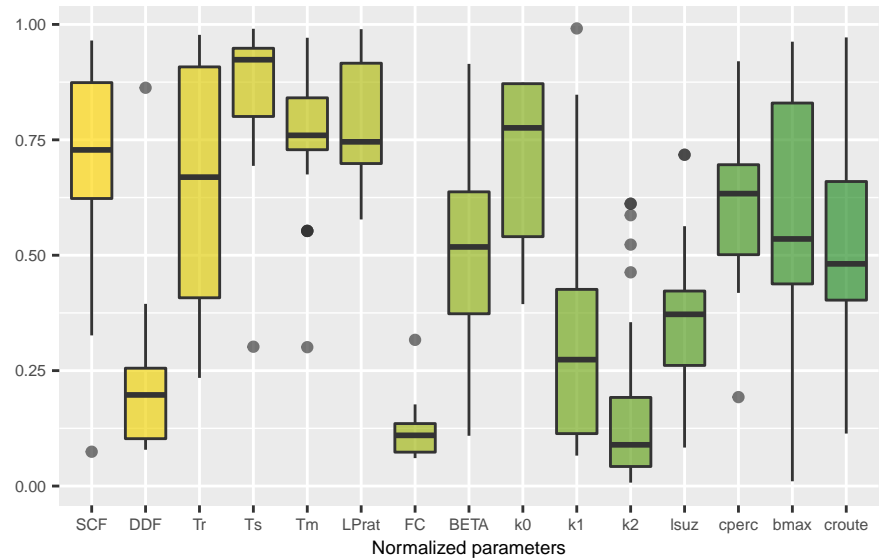




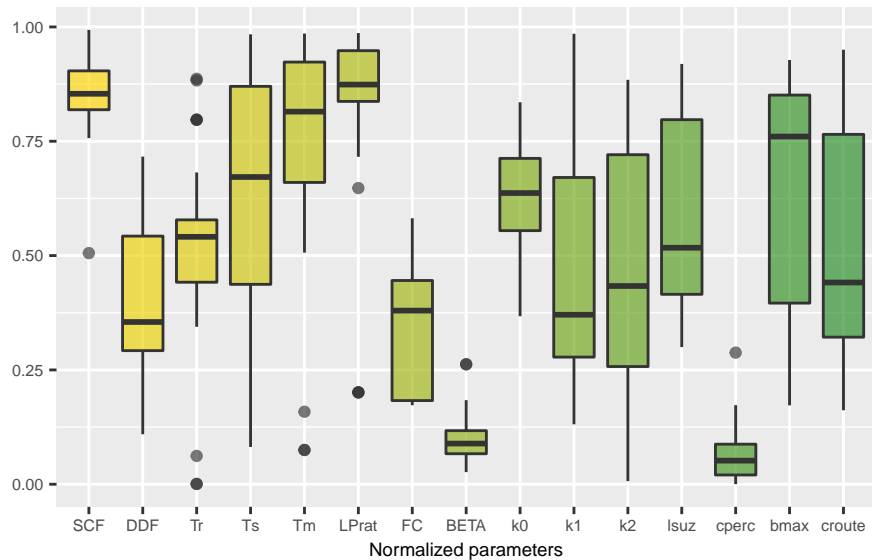
Lumped model parameter distributions (STMCO)



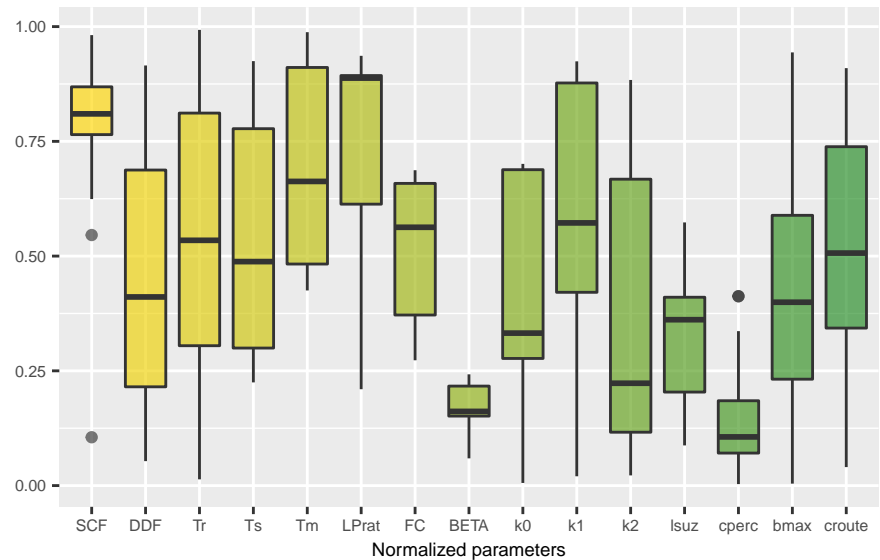
Lumped model parameter distributions (SVIGE)



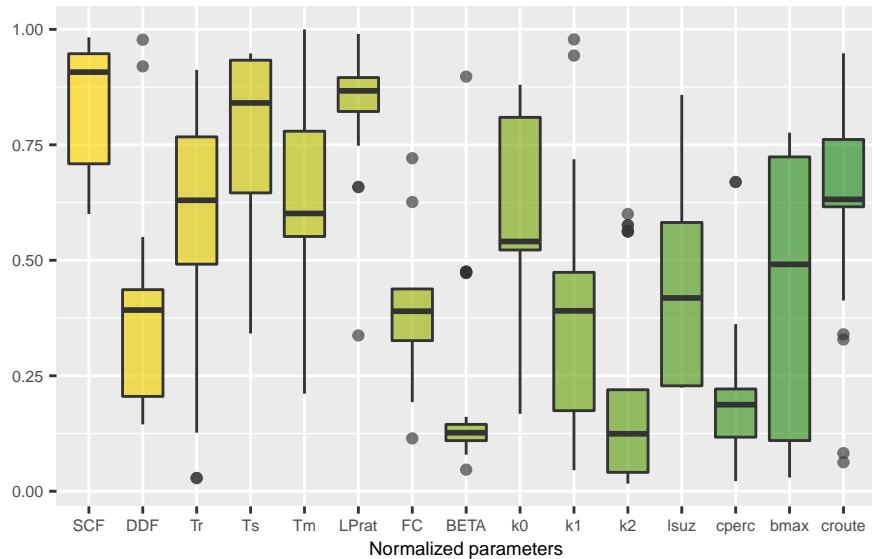
Lumped model parameter distributions (TANAB)



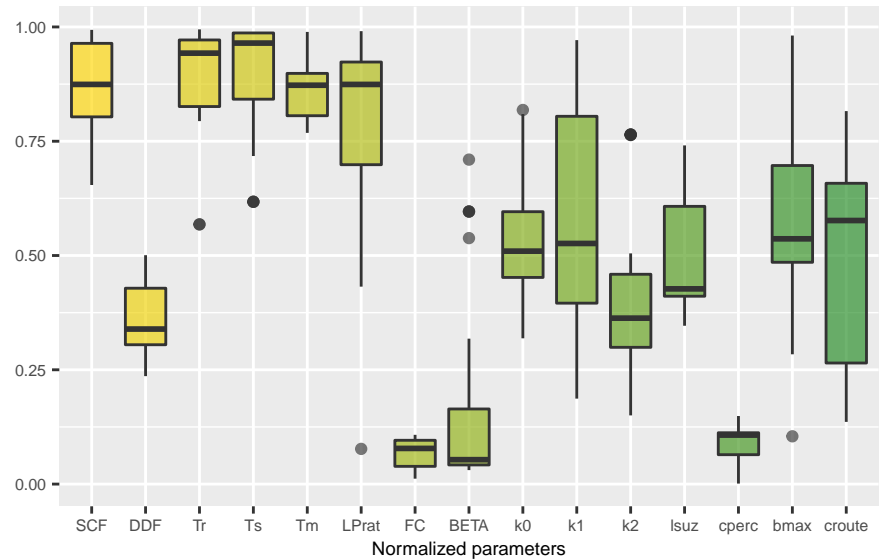
Lumped model parameter distributions (TANAL)



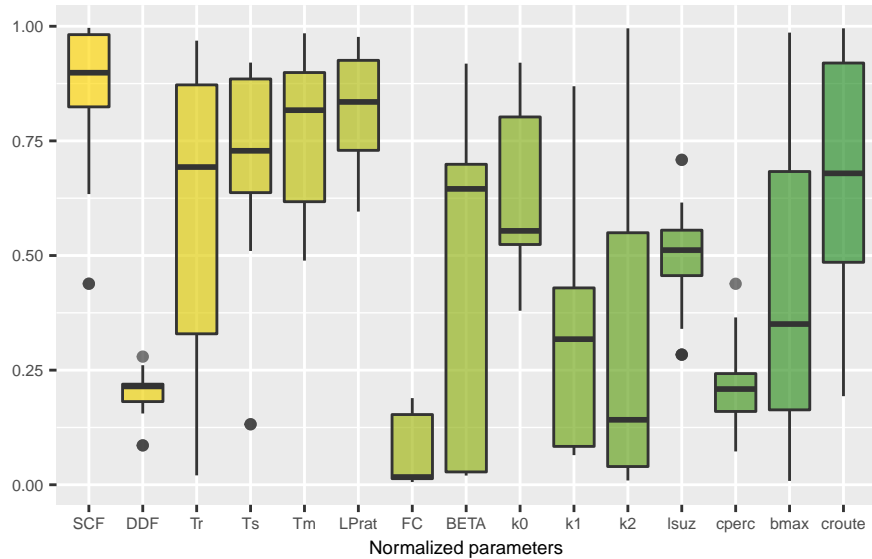
Lumped model parameter distributions (TANAS)



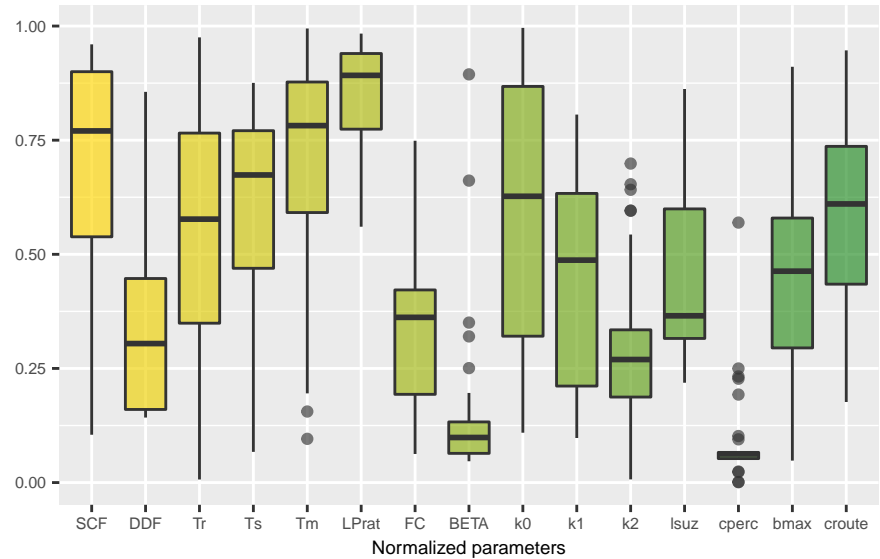
Lumped model parameter distributions (TANFA)



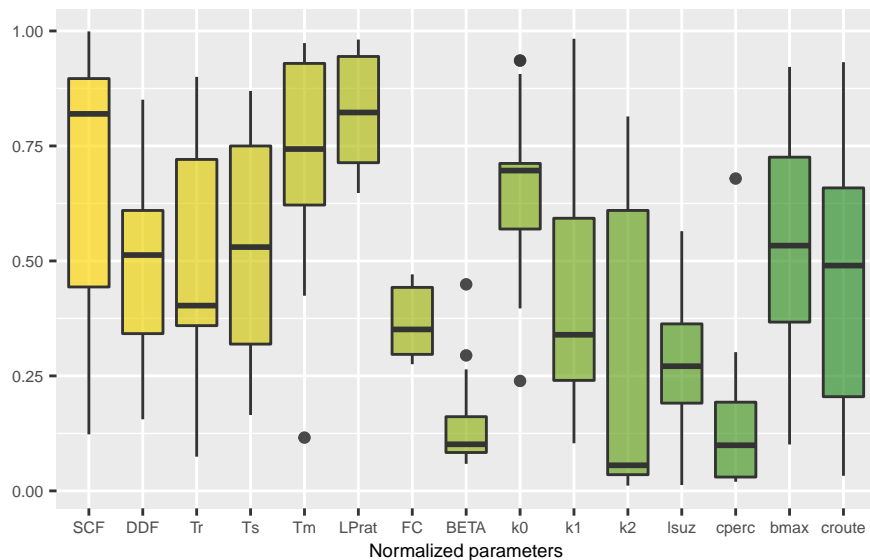
Lumped model parameter distributions (TANGA)



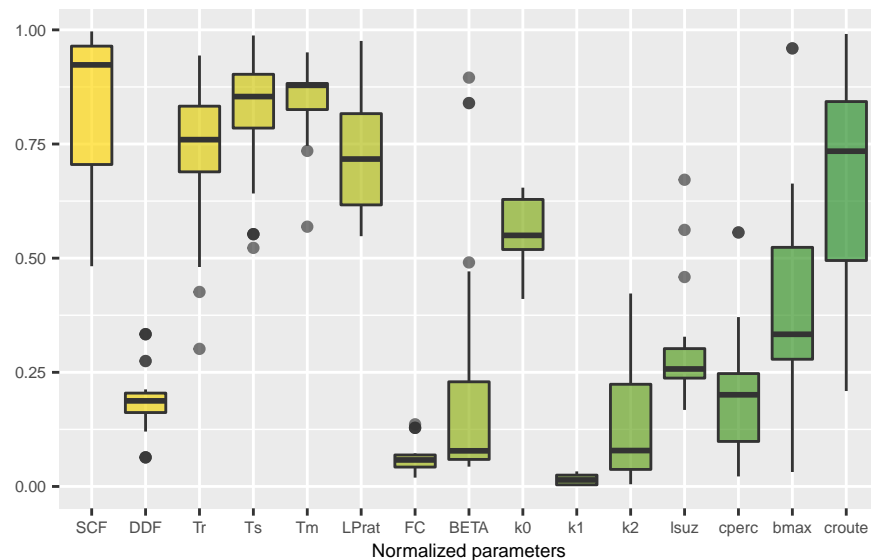
Lumped model parameter distributions (TANMA)



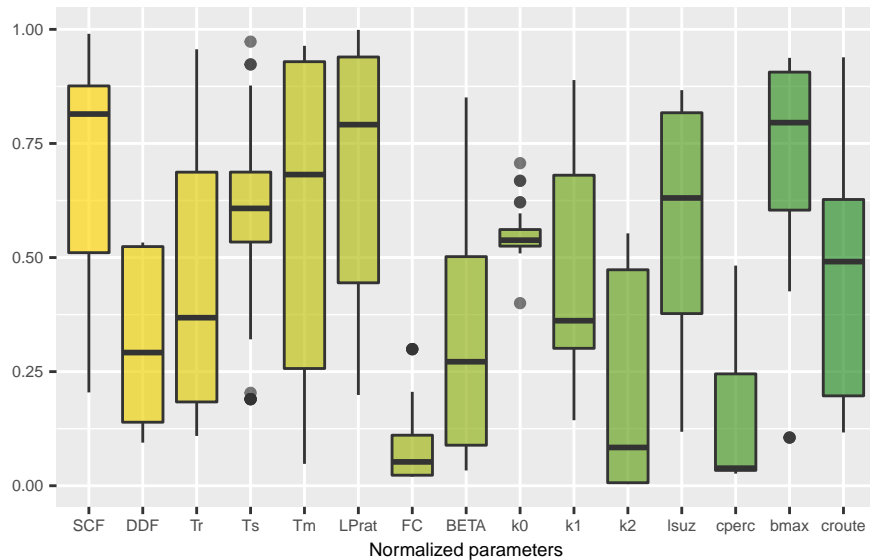
### Lumped model parameter distributions (TANMO)



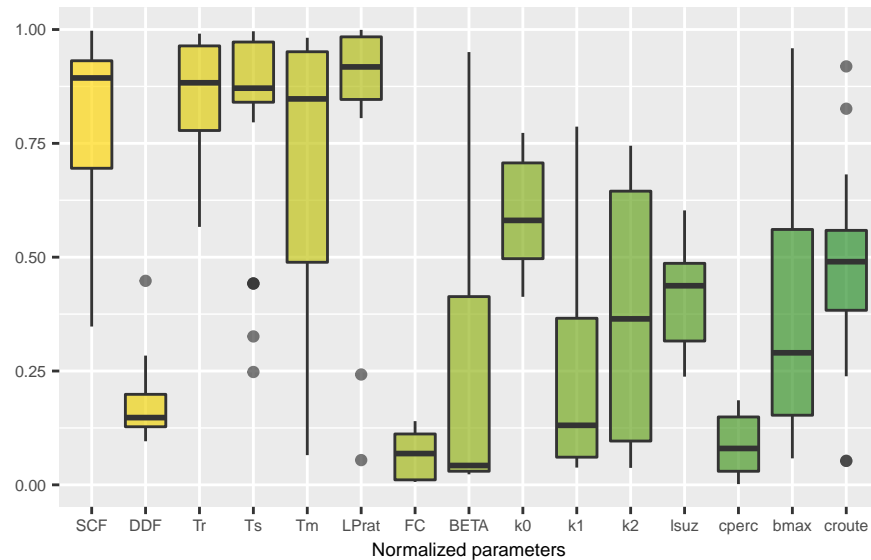
### Lumped model parameter distributions (TANNU)



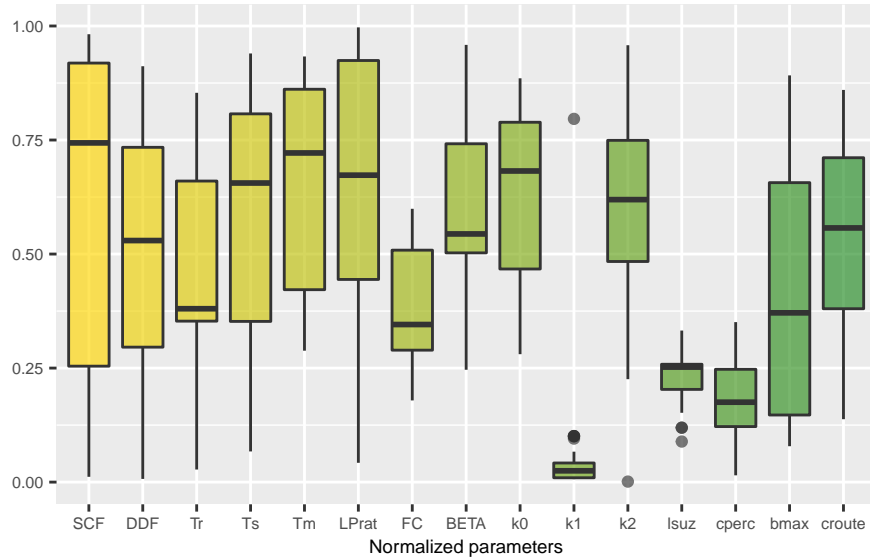
### Lumped model parameter distributions (TANPI)



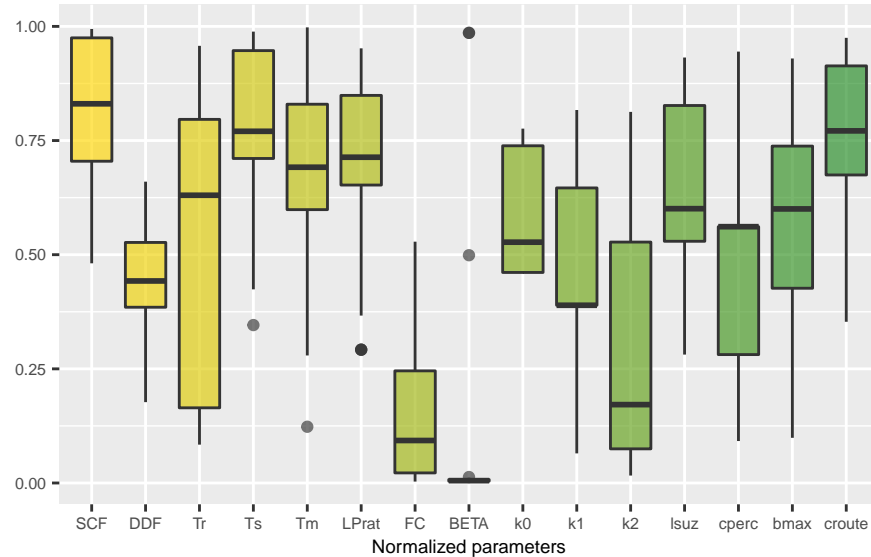
Lumped model parameter distributions (TANPN)



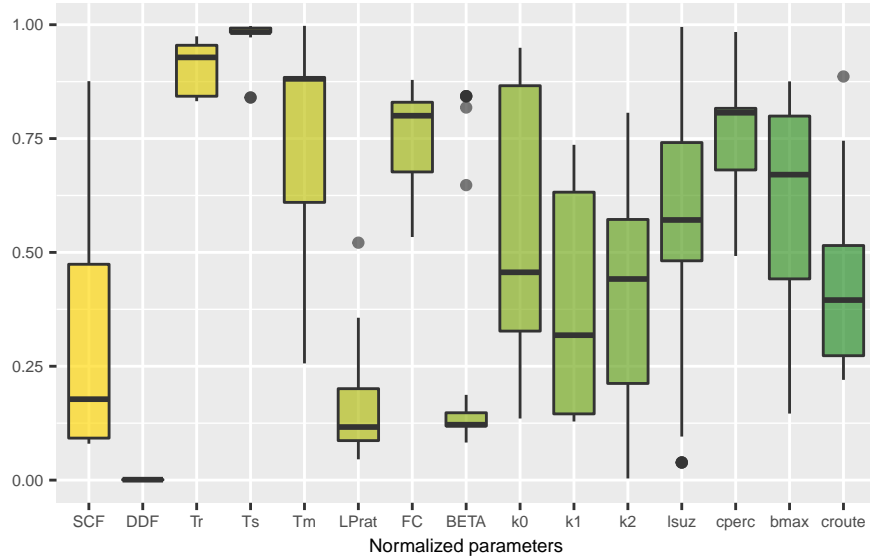
### Lumped model parameter distributions (TERCA)



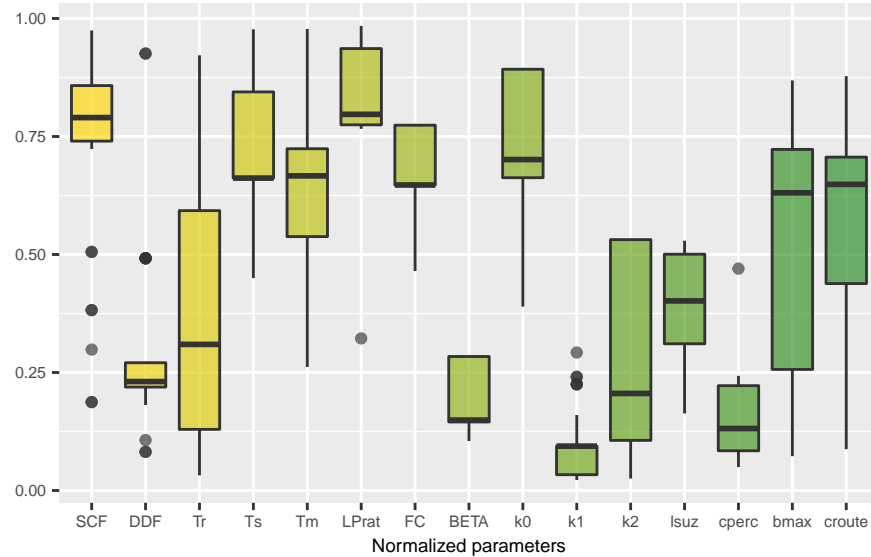
### Lumped model parameter distributions (TOCCA)



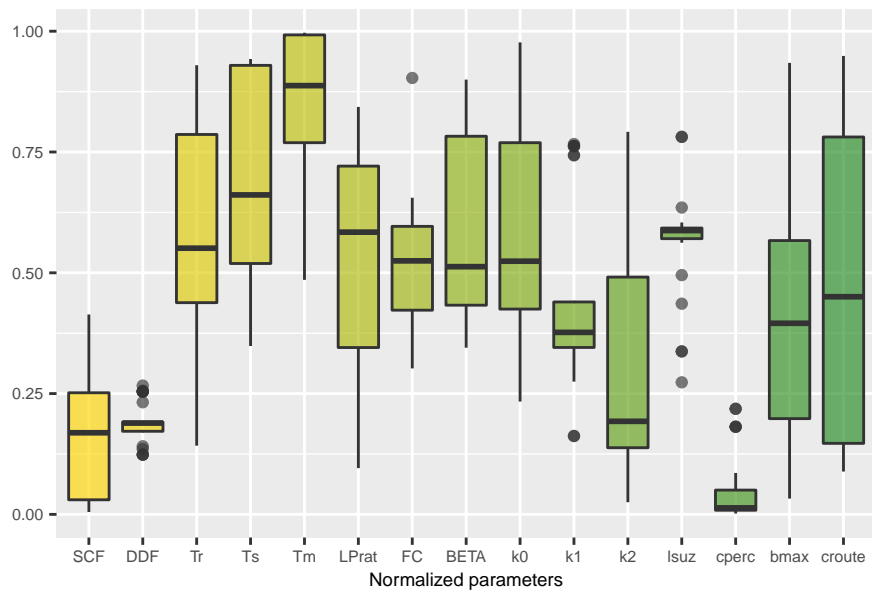
## Lumped model parameter distributions (TOCDO)



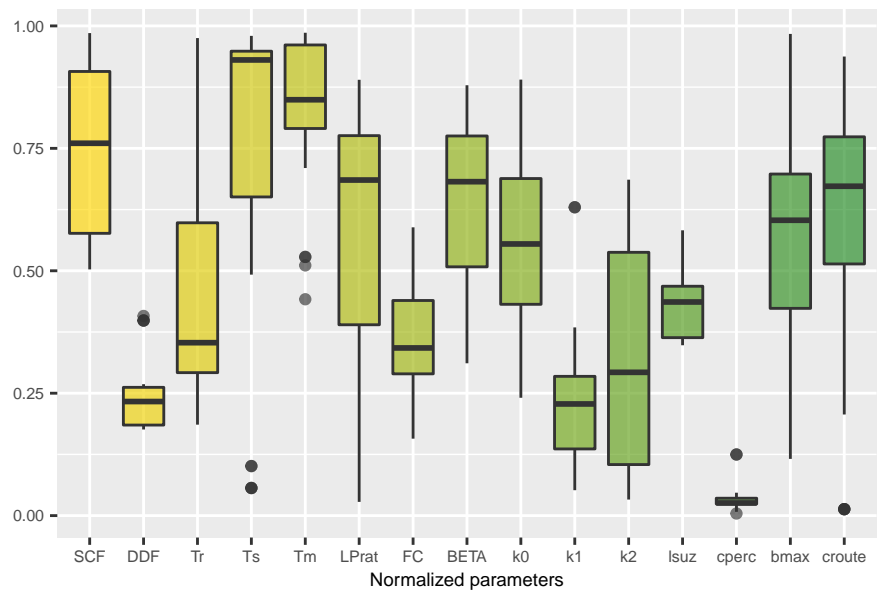
### Lumped model parameter distributions (UZZCO)



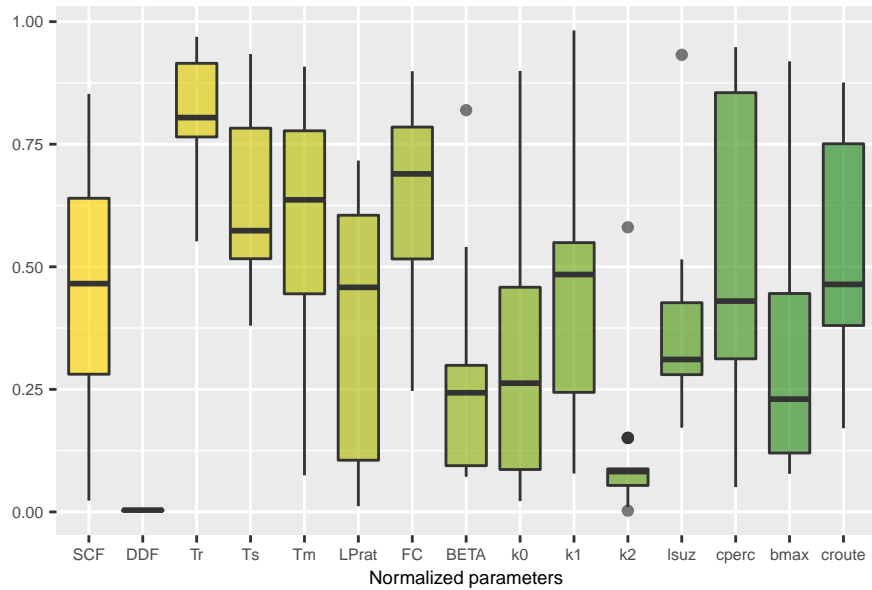
Lumped model parameter distributions (VARPO)



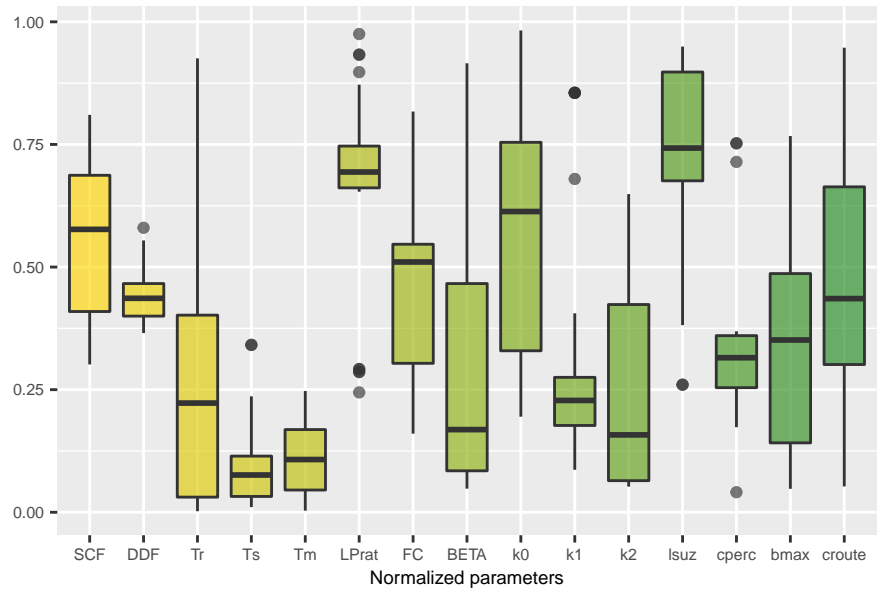
Lumped model parameter distributions (VARRO)



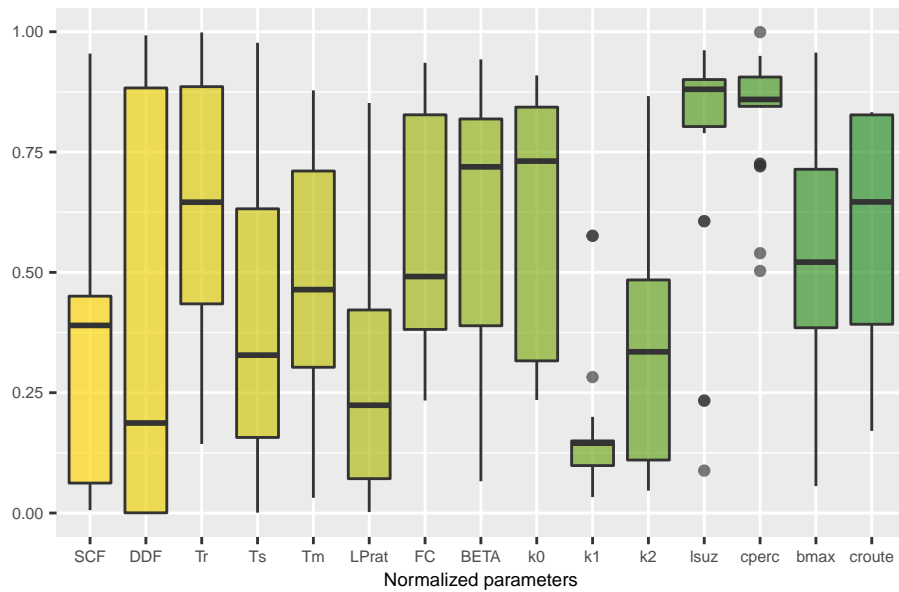
Lumped model parameter distributions (VARTO)



Lumped model parameter distributions (VERRO)



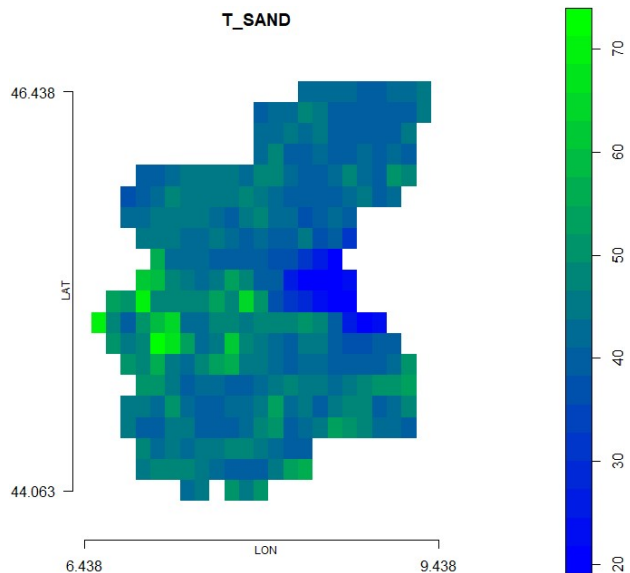
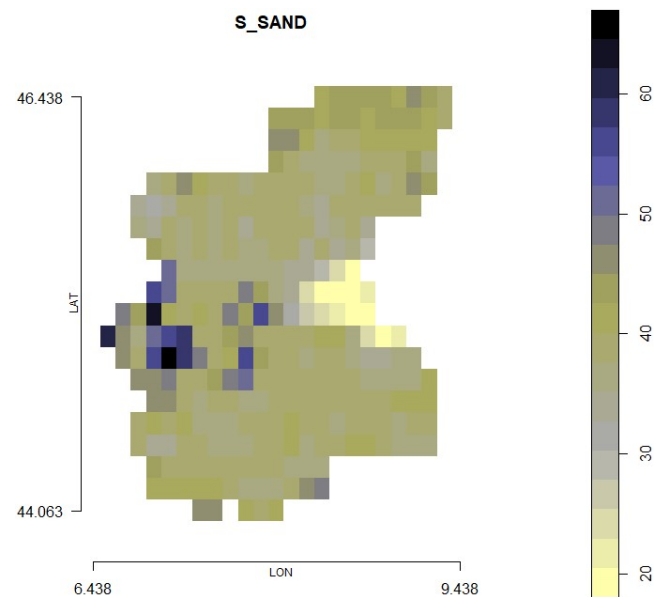
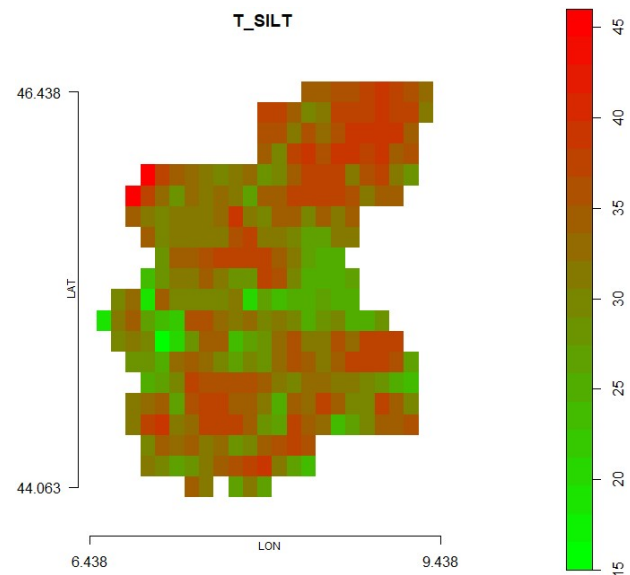
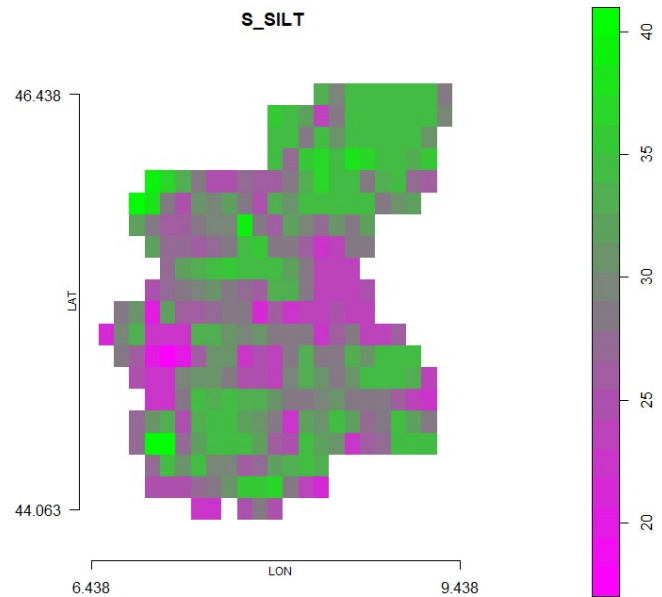
Lumped model parameter distributions (VOBIC)

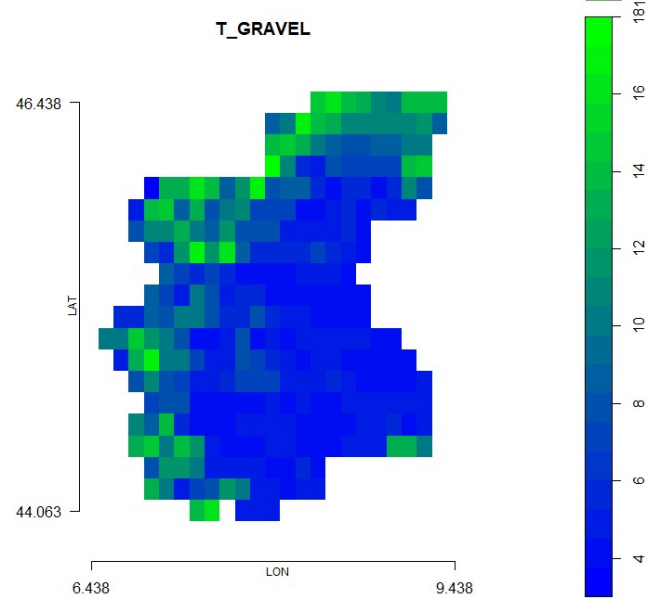
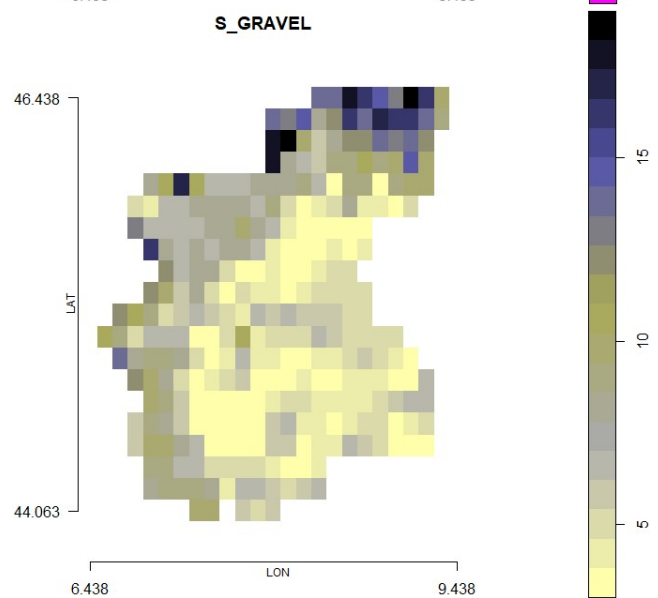
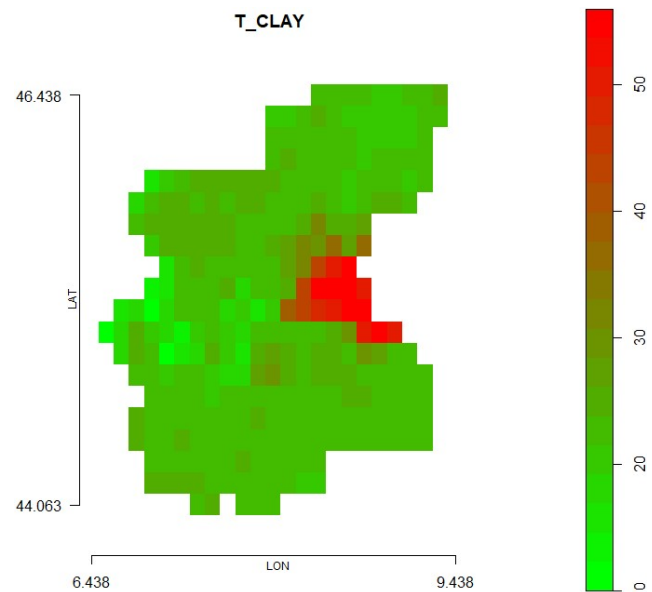
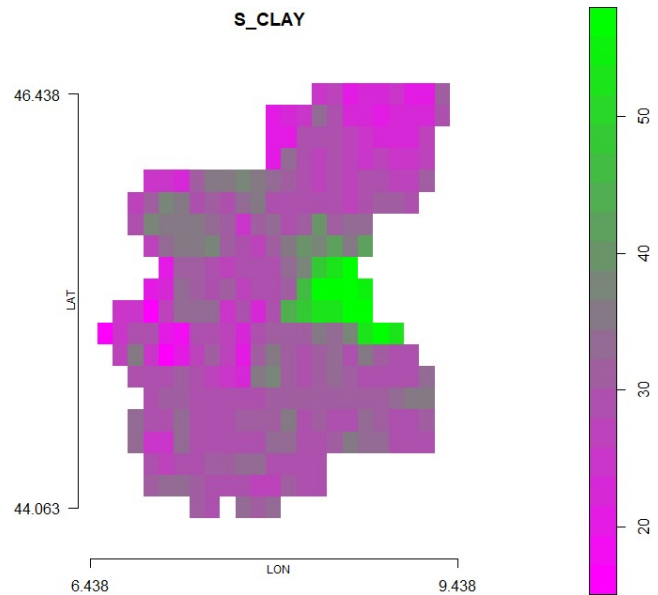


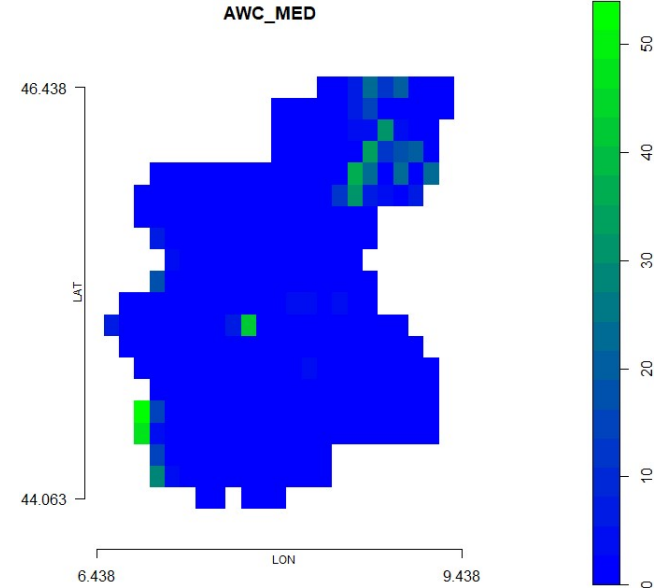
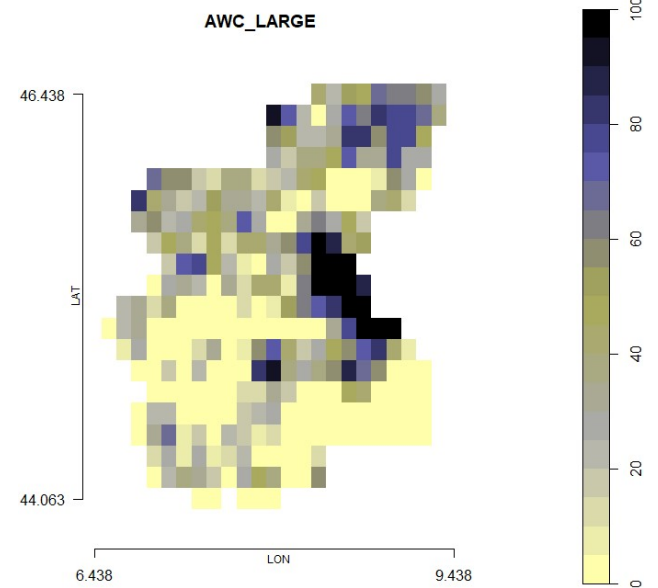
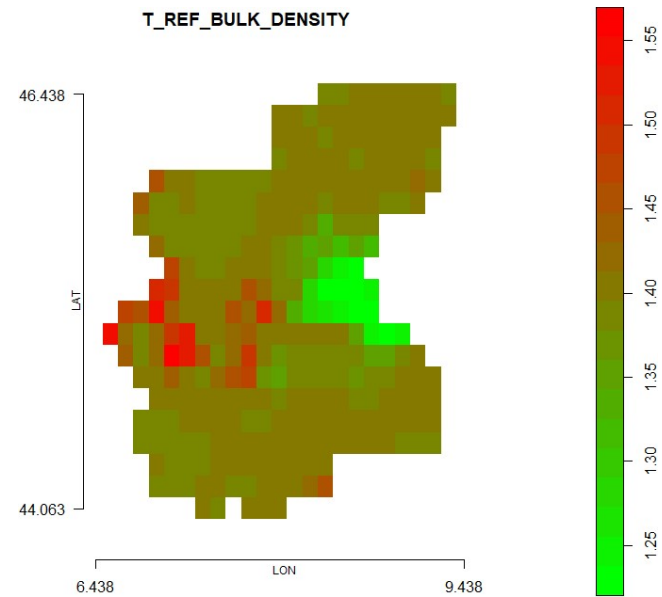
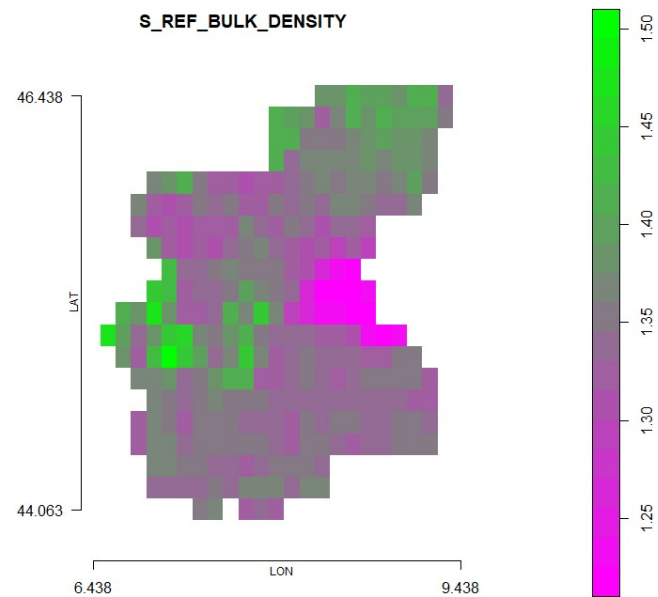
***ATTATCHMENT 4***

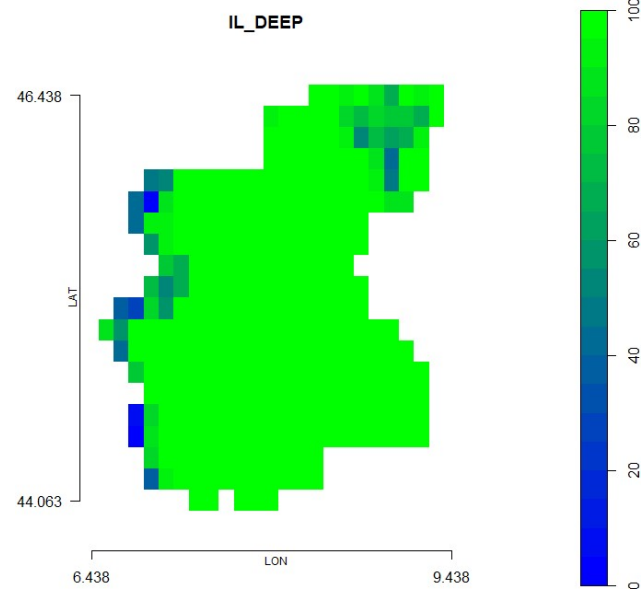
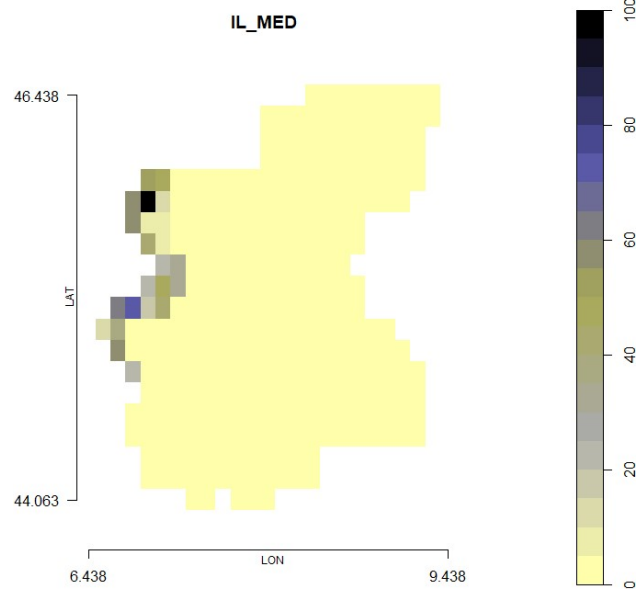
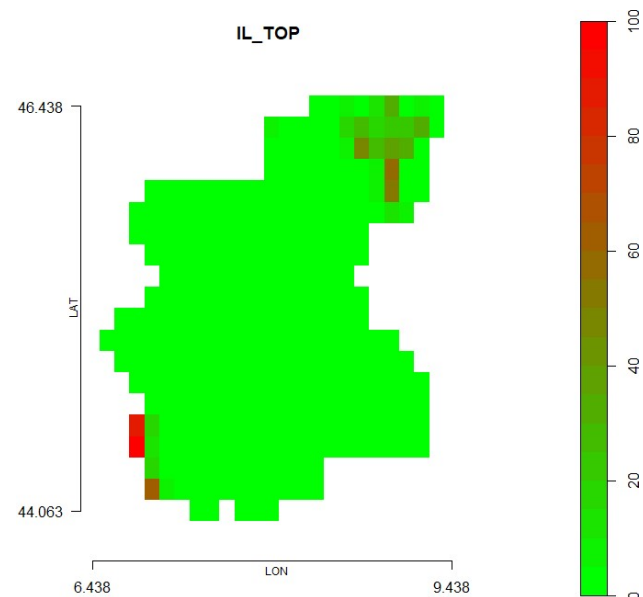
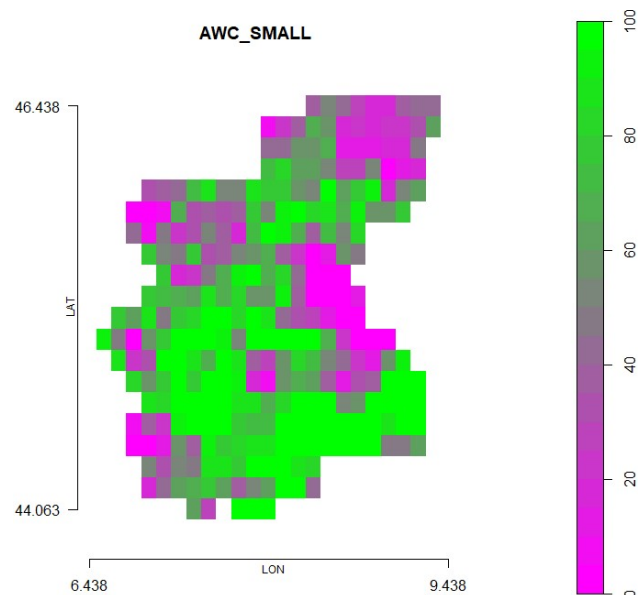
***SOIL CATCHMENT DESCRIPTORS DISTRIBUTED MAPS***



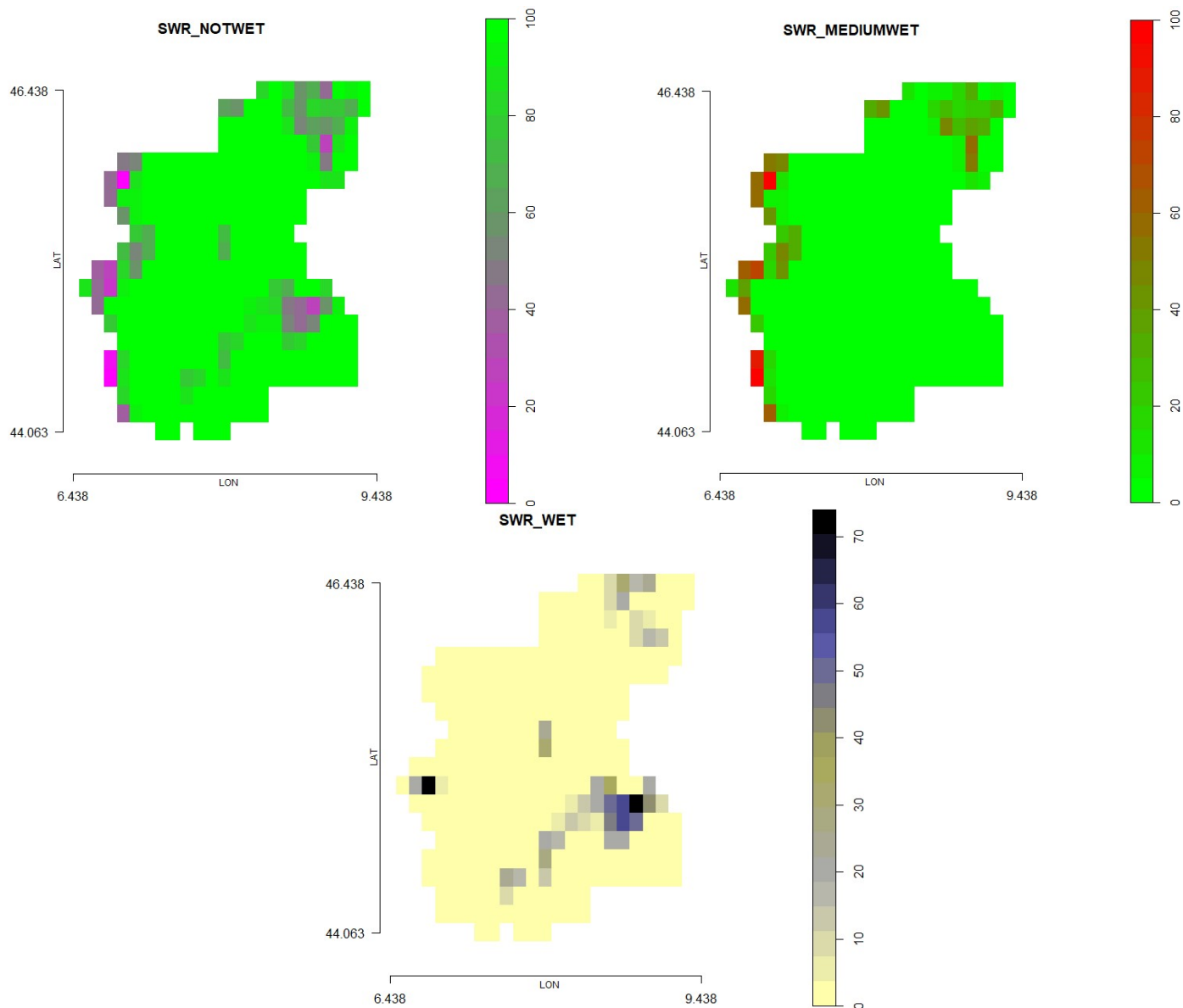


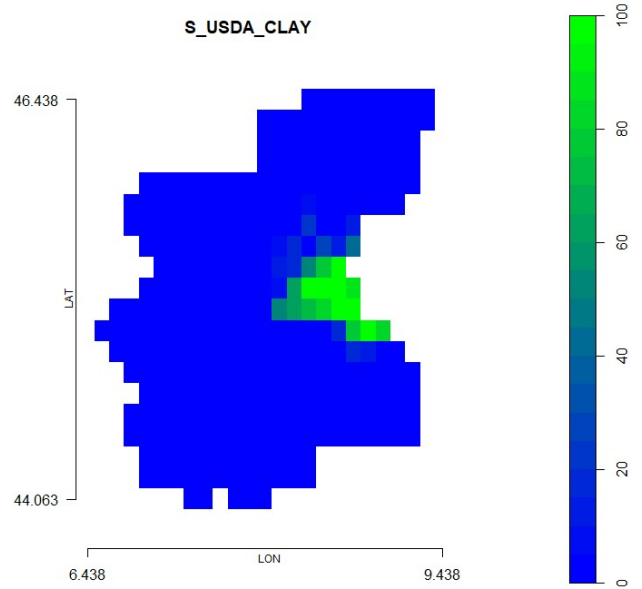
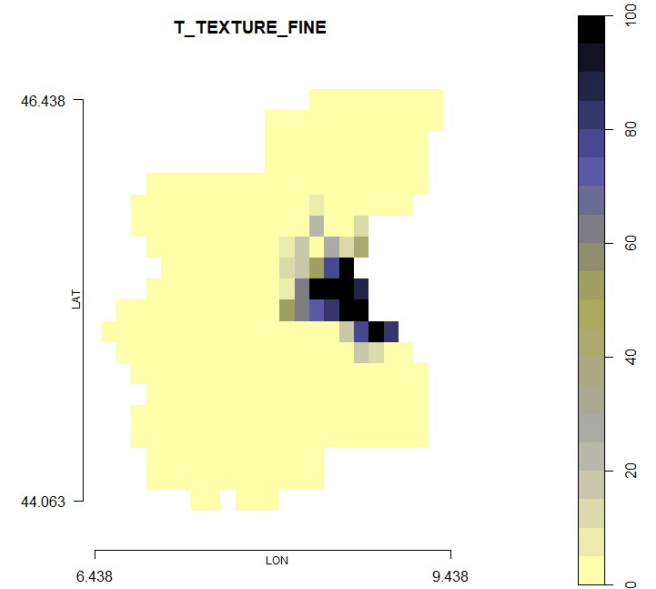
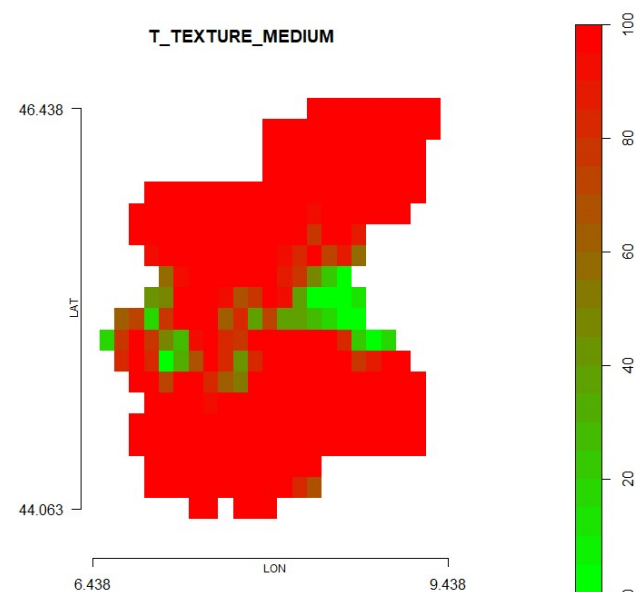
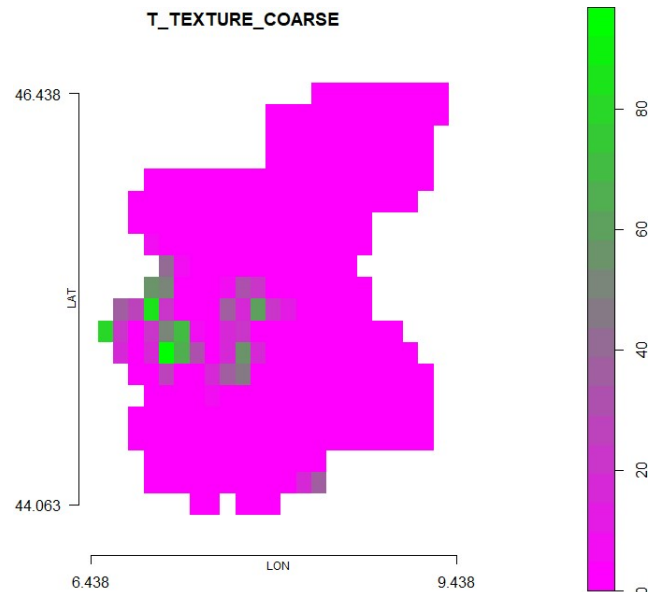


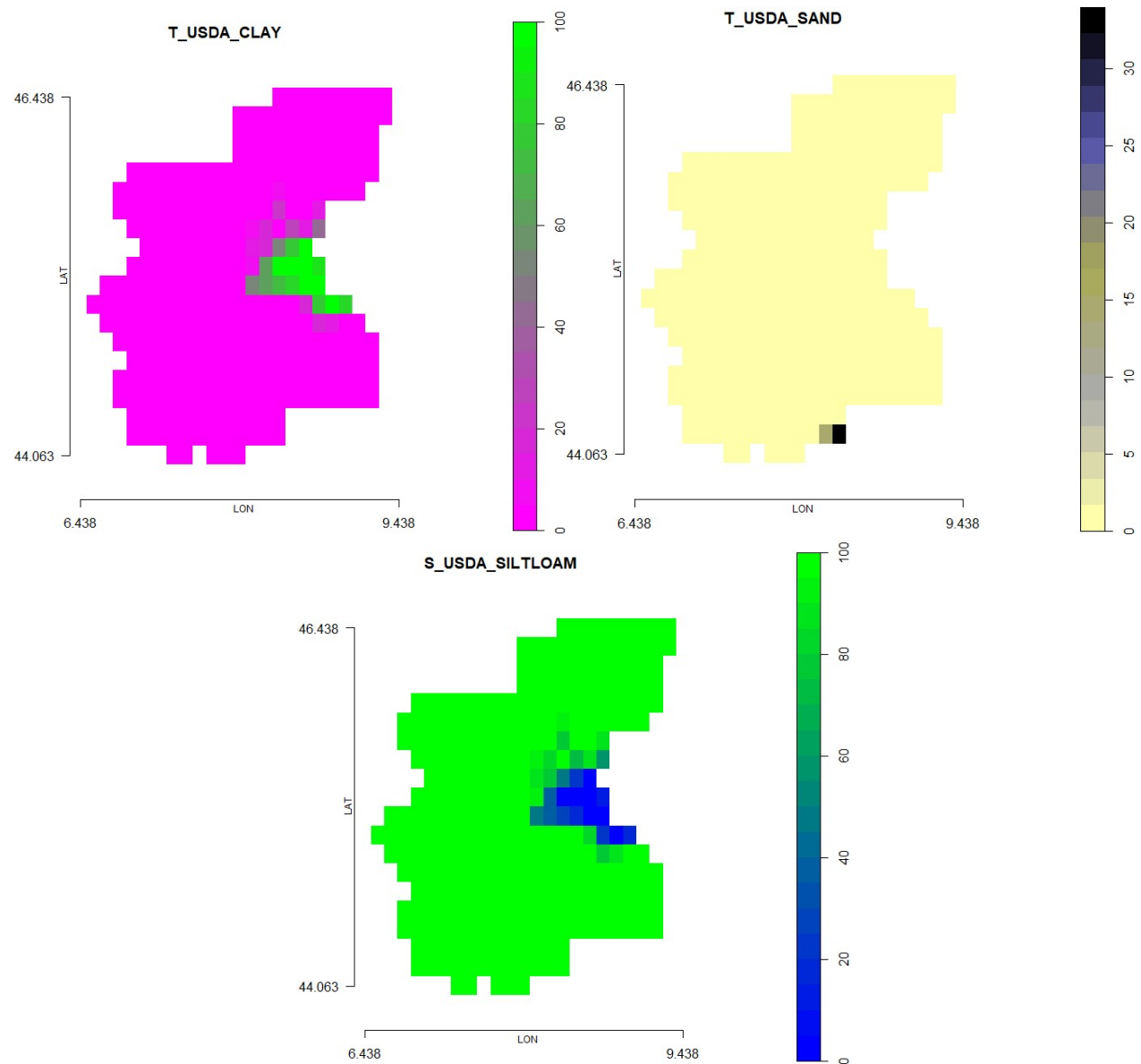


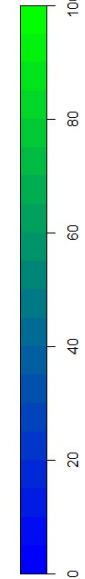
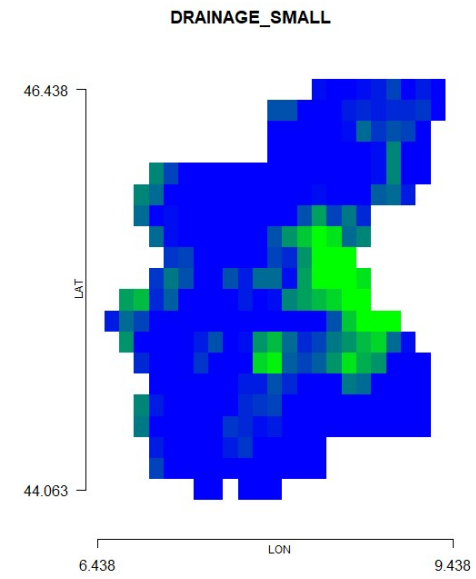
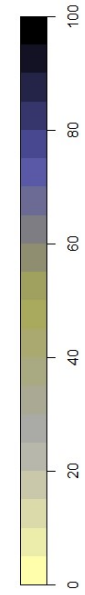
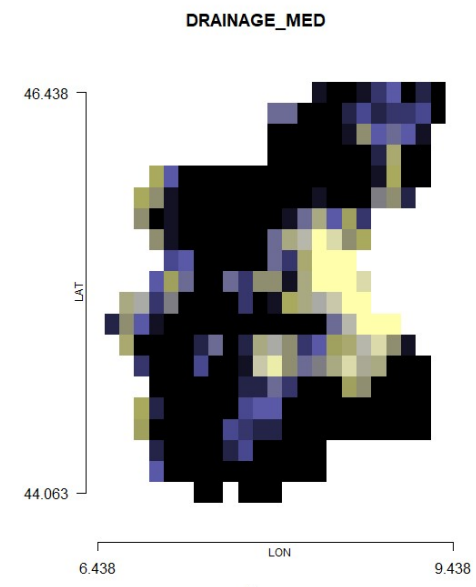
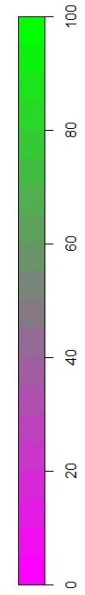
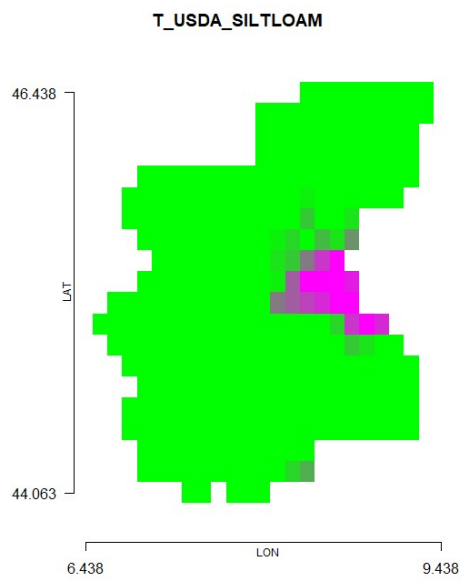








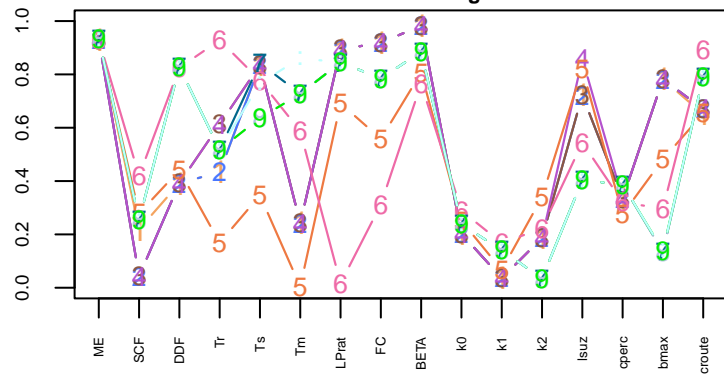




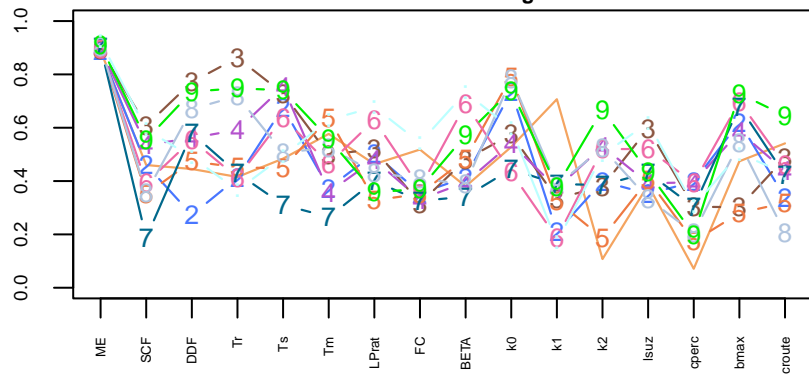


***ATTACHMENT 5***  
***PARAMETERS SETS COMPARISON***  
***(LOCAL LUMPED VS HYDROPASS PREDICTED – ALL  
CATCHMENTS)***

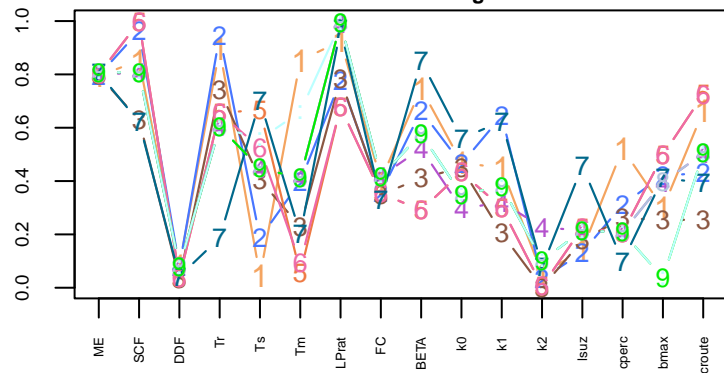
Normalized Parameters Sets / Avarage ME: 0.931 / AGOMO



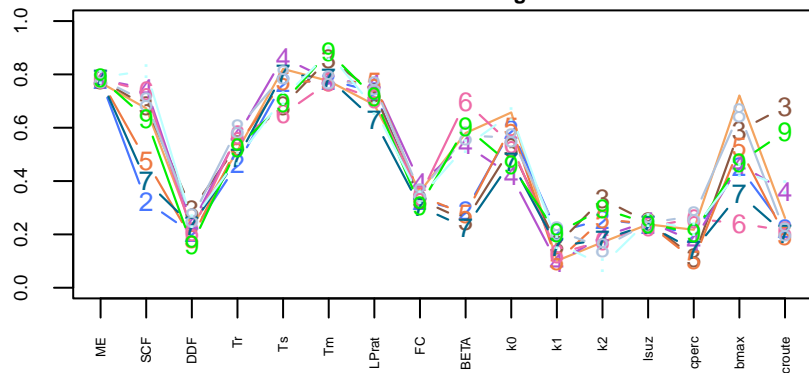
Normalized Parameters Sets / Avarage ME: 0.9 / AGOMO



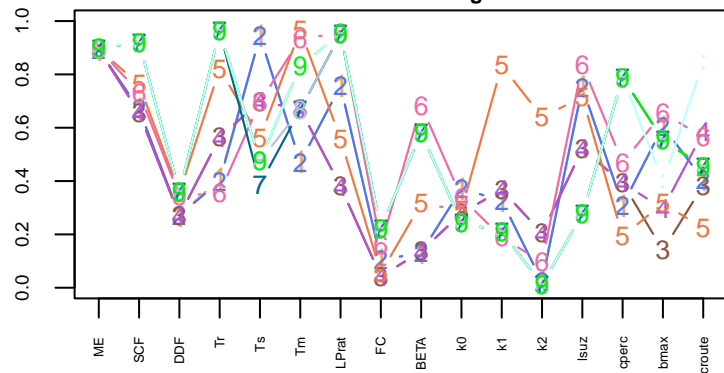
Normalized Parameters Sets / Avarage ME: 0.802 / BELRO



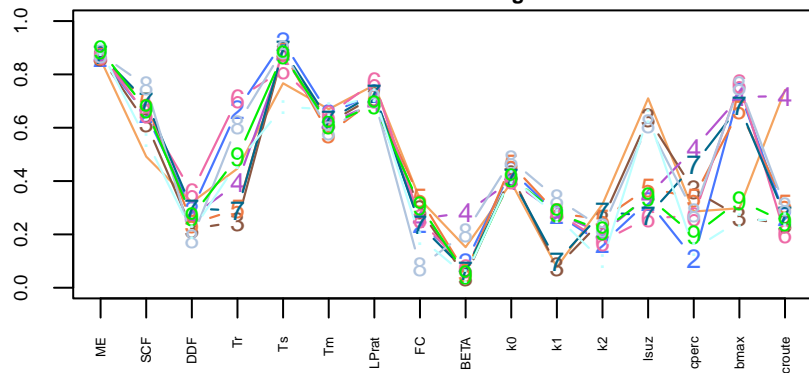
Normalized Parameters Sets / Avarage ME: 0.781 / BELRO



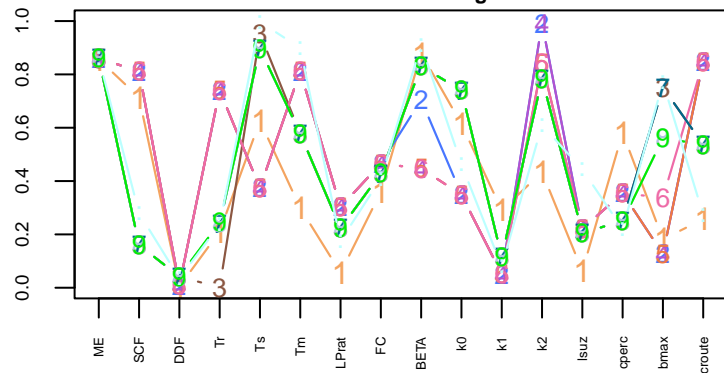
Normalized Parameters Sets / Avarage ME: 0.896 / BOGPC



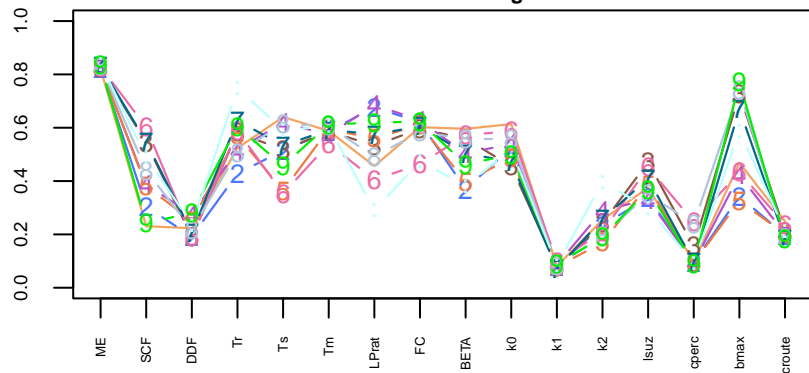
Normalized Parameters Sets / Avarage ME: 0.873 / BOGPC



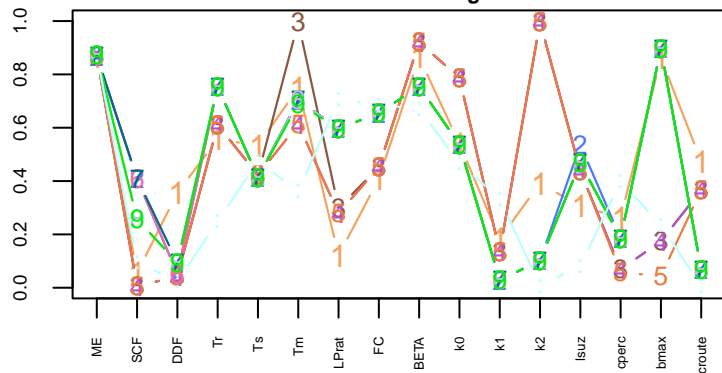
Normalized Parameters Sets / Avarage ME: 0.86 / BOMCA



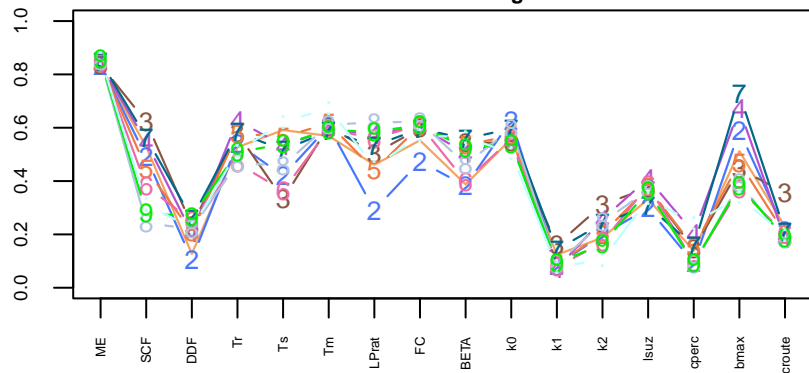
Normalized Parameters Sets / Avarage ME: 0.828 / BOMCA



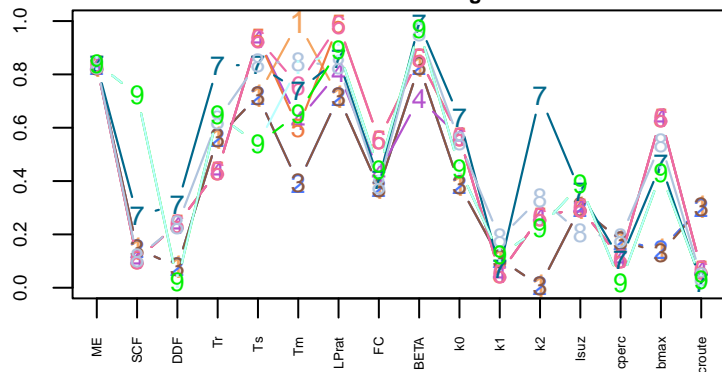
Normalized Parameters Sets / Avarage ME: 0.871 / BOMCE



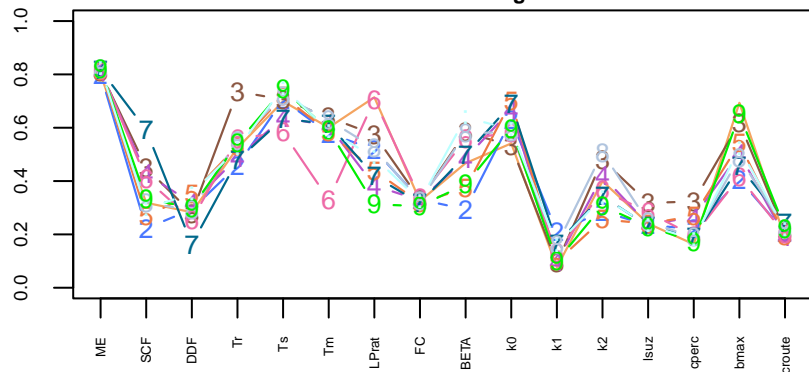
Normalized Parameters Sets / Avarage ME: 0.844 / BOMCE



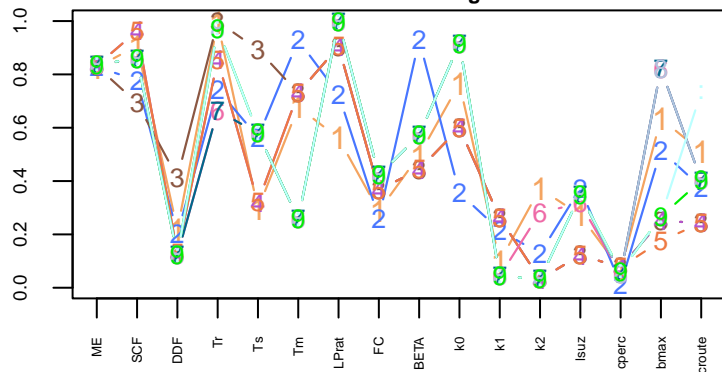
Normalized Parameters Sets / Avarage ME: 0.835 / BORAL



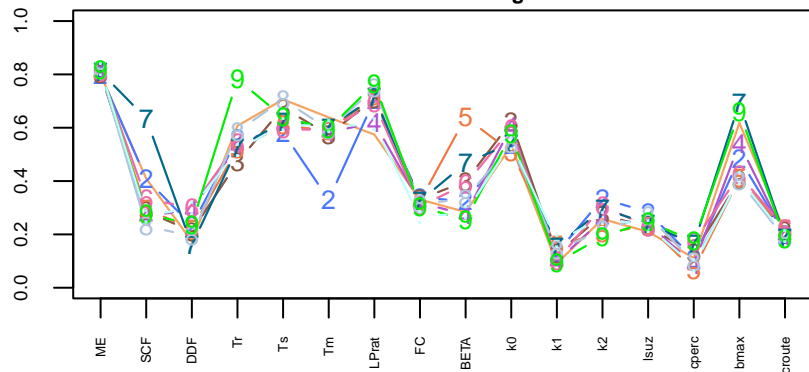
Normalized Parameters Sets / Avarage ME: 0.813 / BORAL



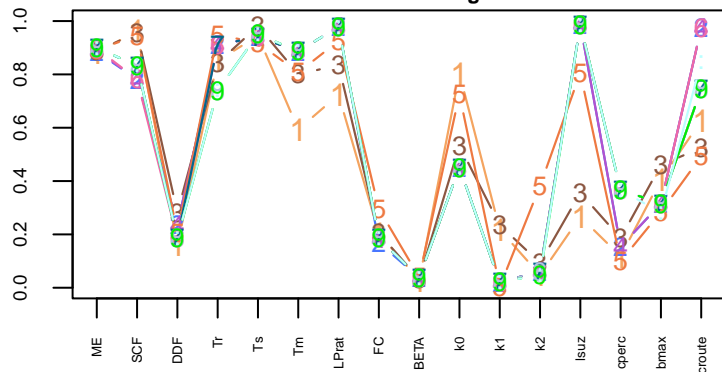
Normalized Parameters Sets / Avarage ME: 0.833 / BORCA



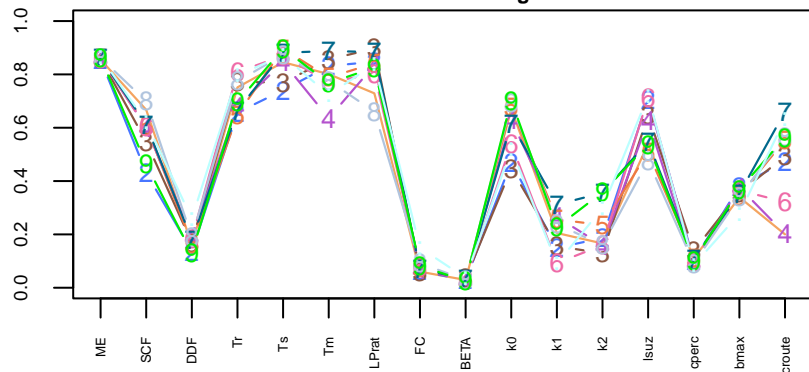
Normalized Parameters Sets / Avarage ME: 0.808 / BORCA



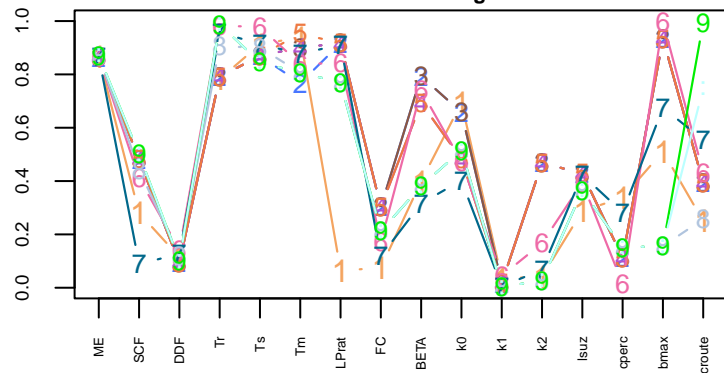
Normalized Parameters Sets / Avarage ME: 0.893 / CASMO



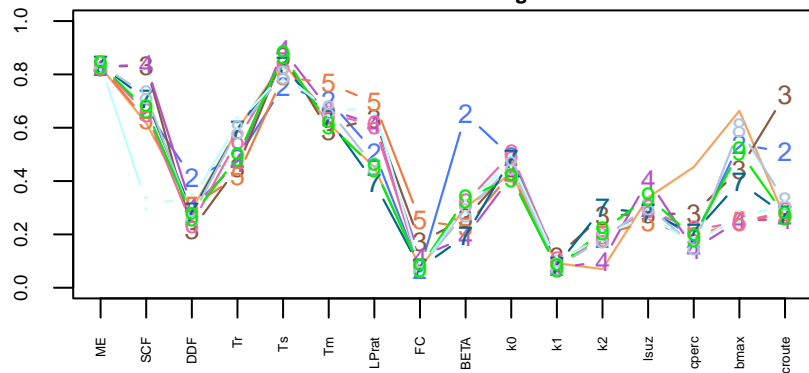
Normalized Parameters Sets / Avarage ME: 0.86 / CASMO



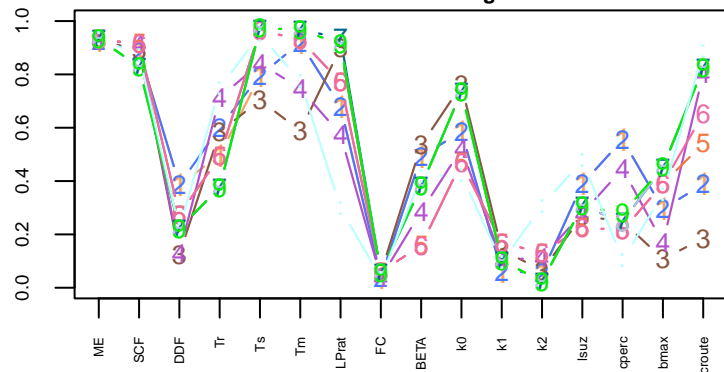
Normalized Parameters Sets / Avarage ME: 0.867 / CEVPA



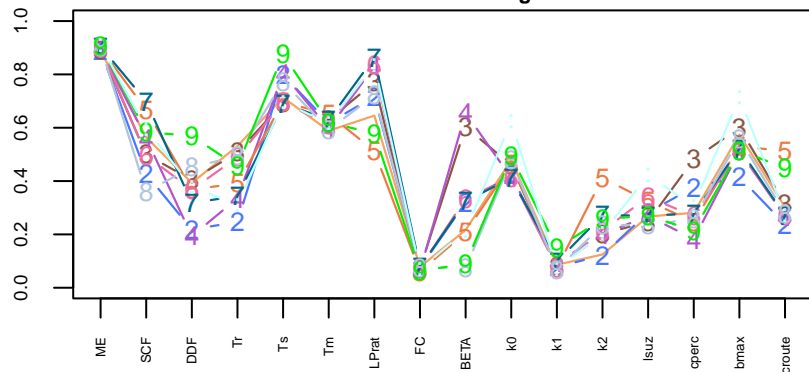
Normalized Parameters Sets / Avarage ME: 0.832 / CEVPA



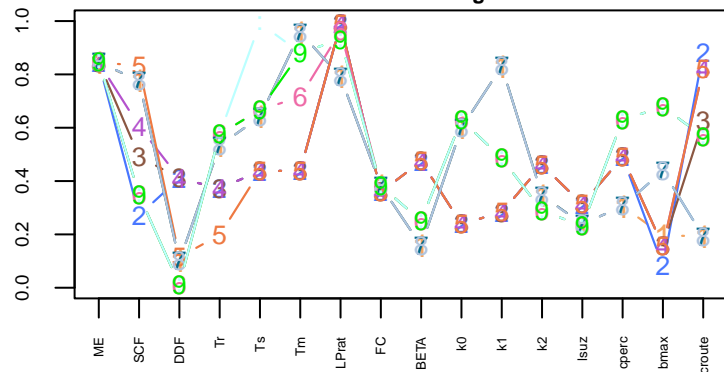
Normalized Parameters Sets / Avarage ME: 0.93 / CEVVI



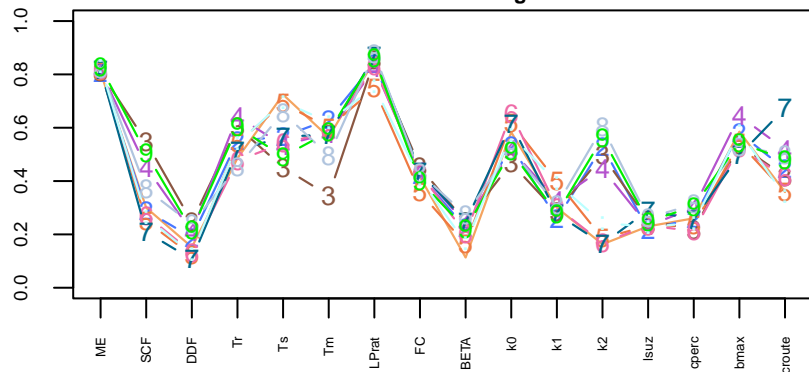
Normalized Parameters Sets / Avarage ME: 0.899 / CEVVI



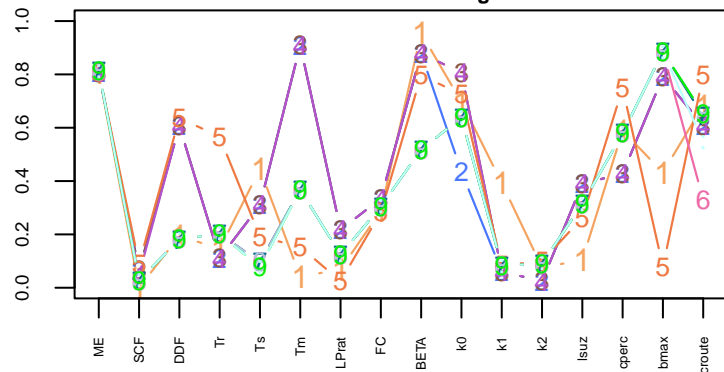
Normalized Parameters Sets / Avarage ME: 0.846 / CHLLO



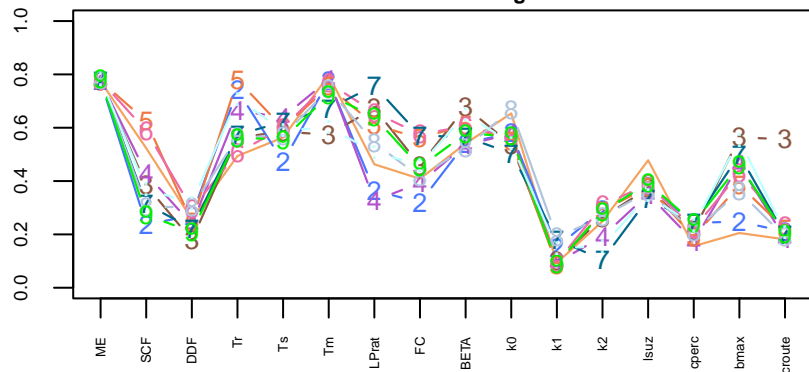
Normalized Parameters Sets / Avarage ME: 0.816 / CHLLO



Normalized Parameters Sets / Avarage ME: 0.81 / CURVO

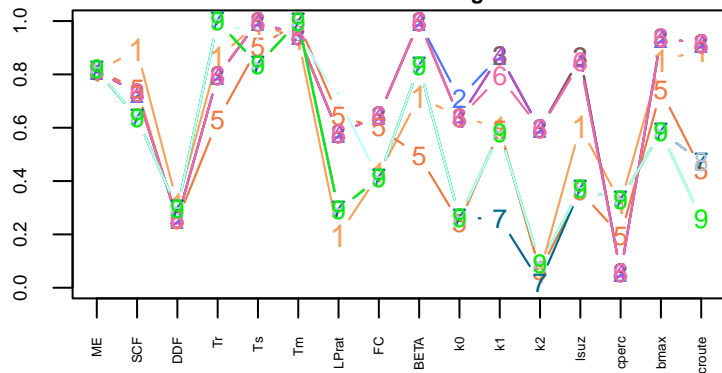


Normalized Parameters Sets / Avarage ME: 0.778 / CURVO

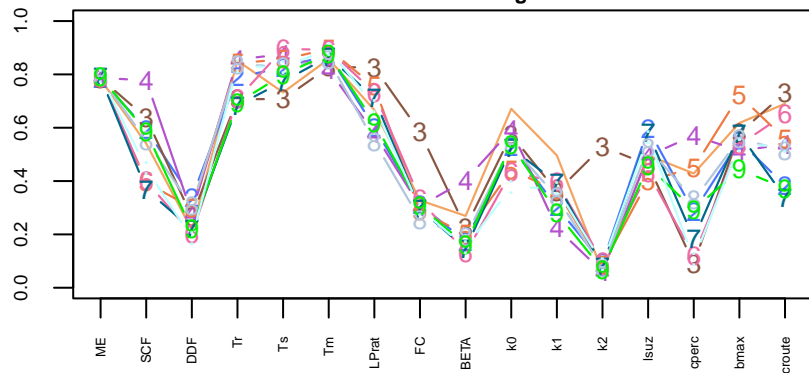




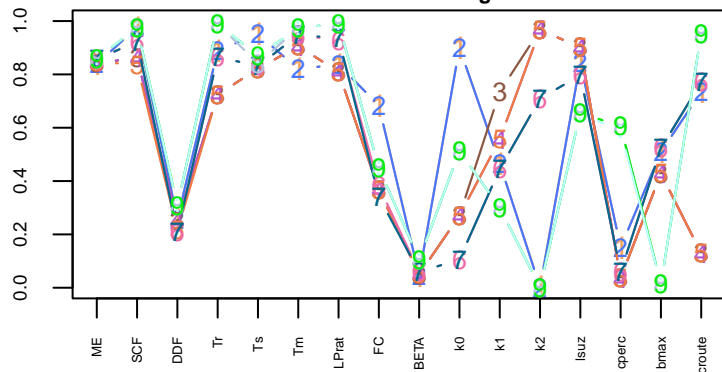
Normalized Parameters Sets / Avarage ME: 0.816 / DBAVE



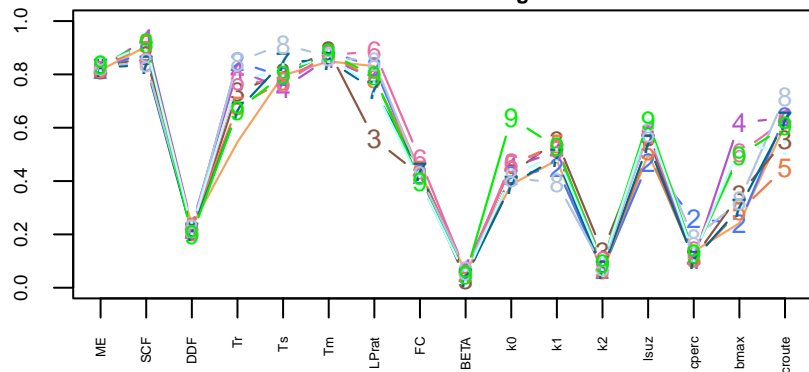
Normalized Parameters Sets / Avarage ME: 0.788 / DBAVE



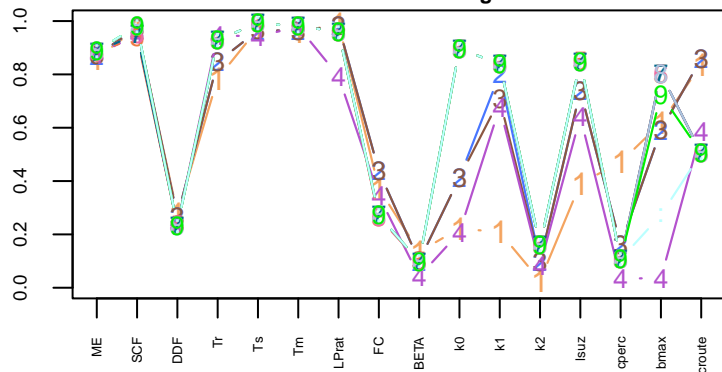
Normalized Parameters Sets / Avarage ME: 0.85 / DRIUO



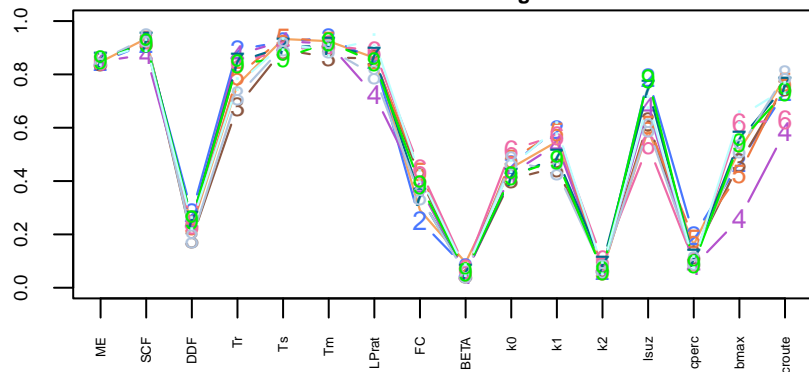
Normalized Parameters Sets / Avarage ME: 0.825 / DRIUO



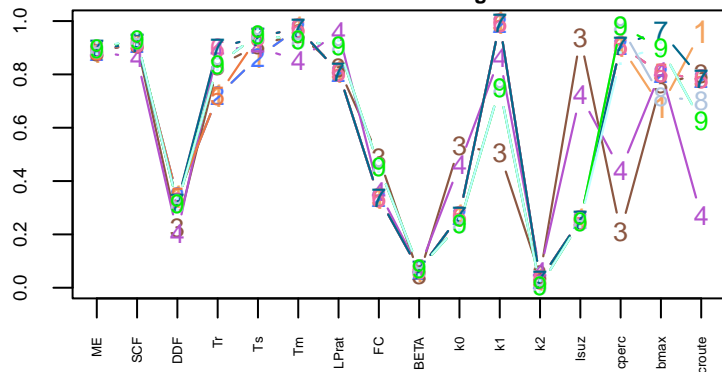
Normalized Parameters Sets / Avarage ME: 0.88 / DRISU



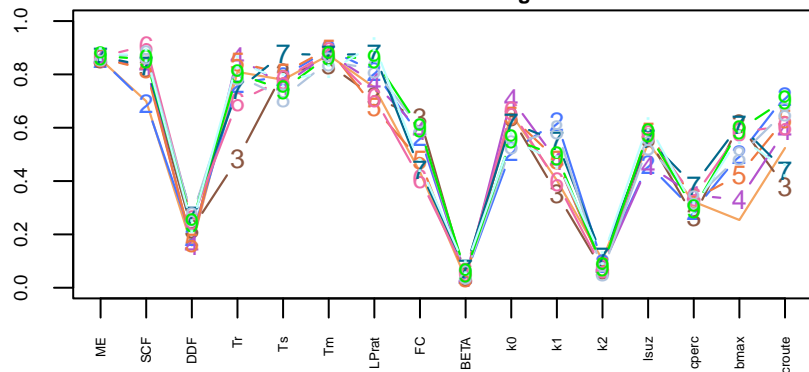
Normalized Parameters Sets / Avarage ME: 0.851 / DRISU



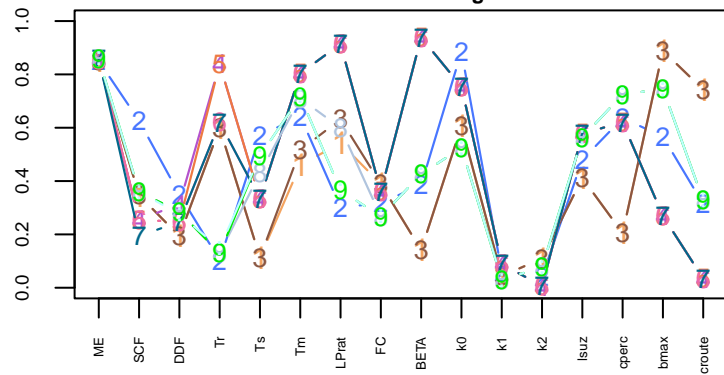
Normalized Parameters Sets / Avarage ME: 0.891 / DRITO



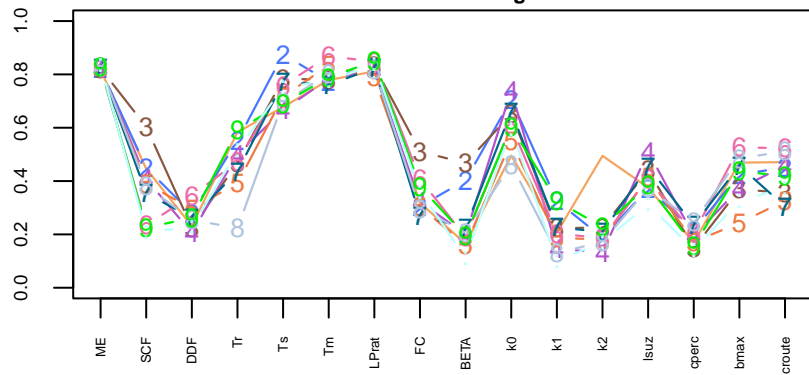
Normalized Parameters Sets / Avarage ME: 0.864 / DRITO



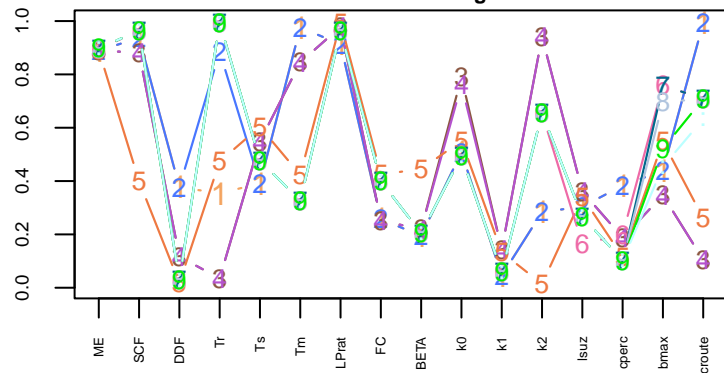
Normalized Parameters Sets / Avarage ME: 0.855 / ELLMO



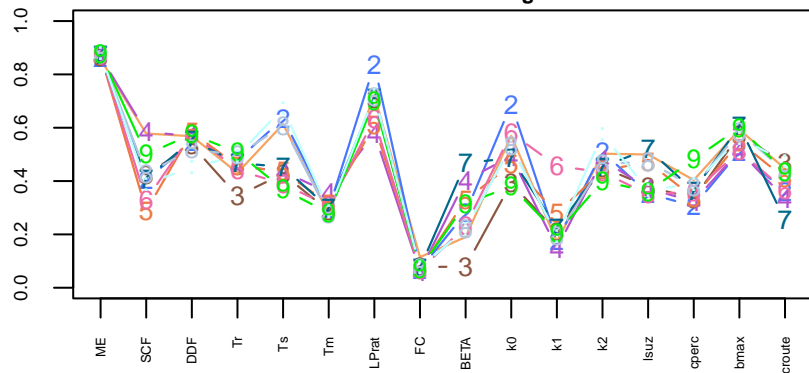
Normalized Parameters Sets / Avarage ME: 0.825 / ELLMO



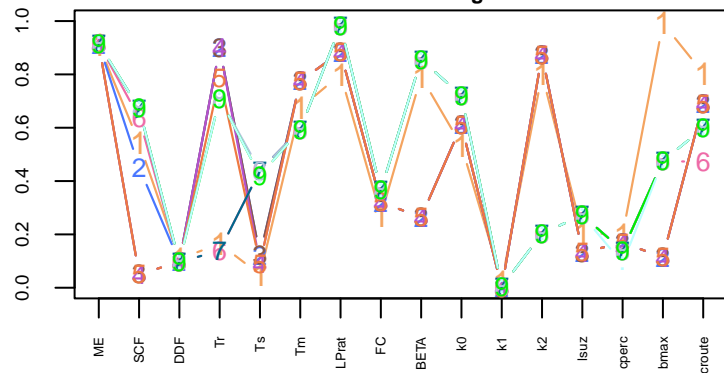
Normalized Parameters Sets / Avarage ME: 0.893 / ELVCA



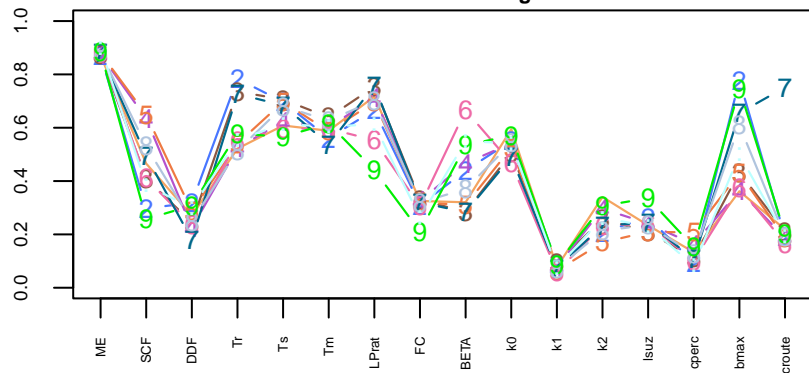
Normalized Parameters Sets / Avarage ME: 0.87 / ELVCA



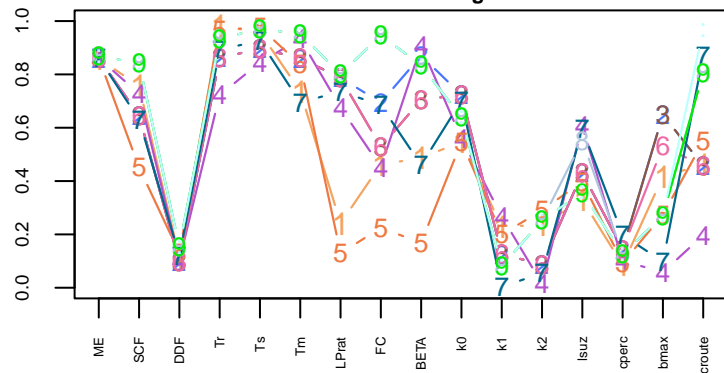
Normalized Parameters Sets / Avarage ME: 0.914 / ERRCA



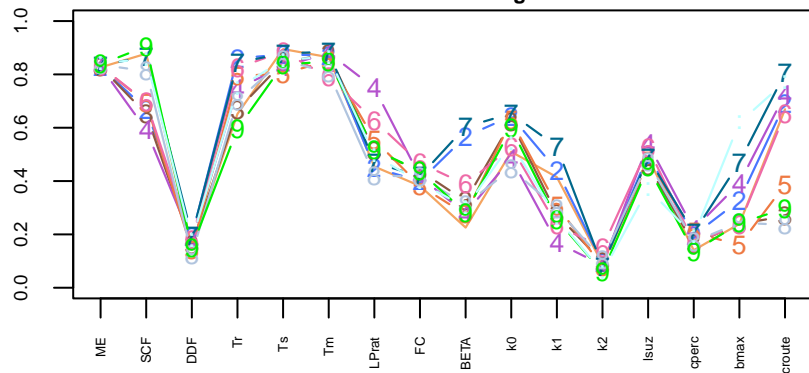
Normalized Parameters Sets / Avarage ME: 0.88 / ERRCA



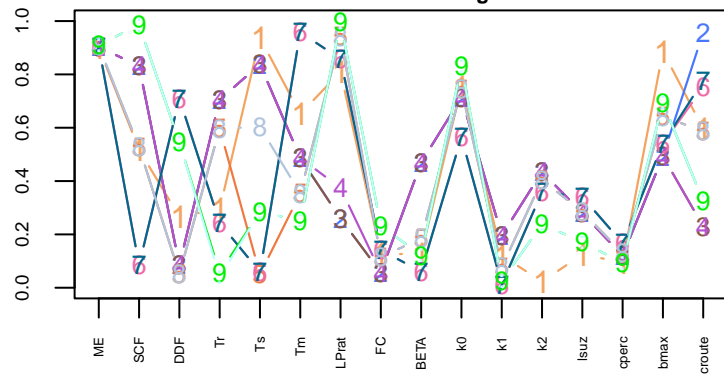
Normalized Parameters Sets / Avarage ME: 0.863 / GERPE



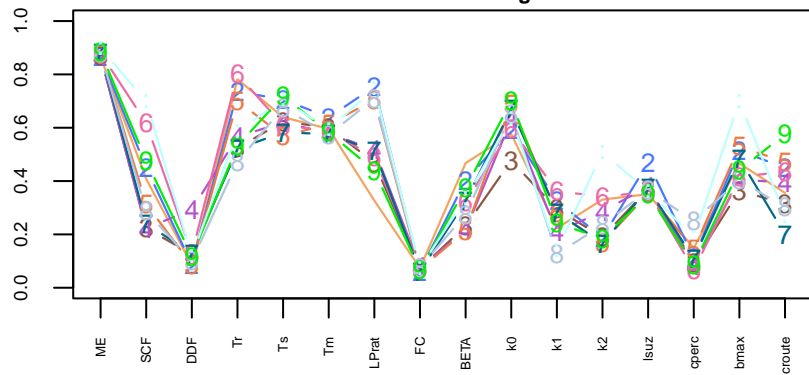
Normalized Parameters Sets / Avarage ME: 0.832 / GERPE



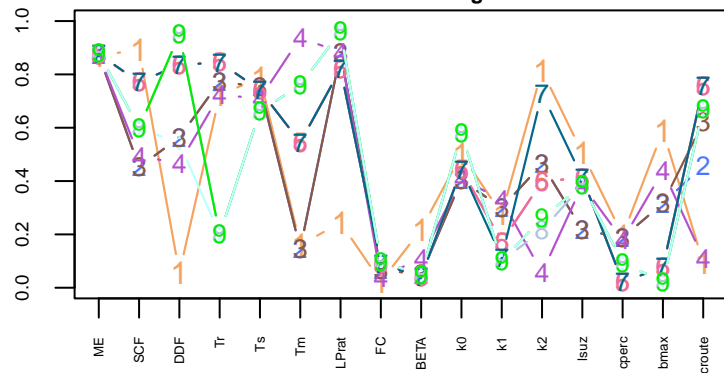
Normalized Parameters Sets / Avarage ME: 0.905 / GHIST



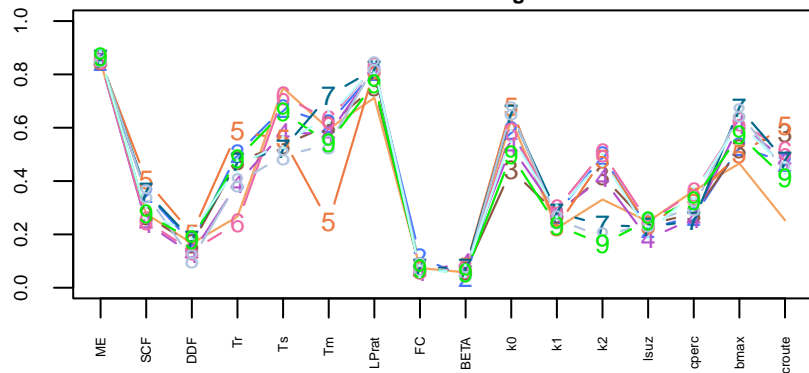
Normalized Parameters Sets / Avarage ME: 0.877 / GHIST



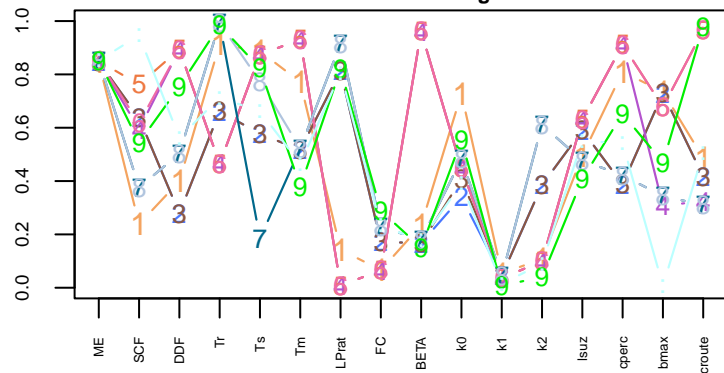
Normalized Parameters Sets / Avarage ME: 0.876 / MALBR



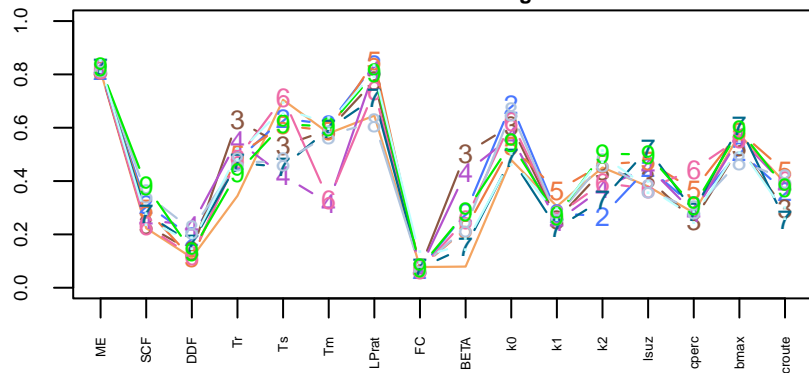
Normalized Parameters Sets / Avarage ME: 0.855 / MALBR



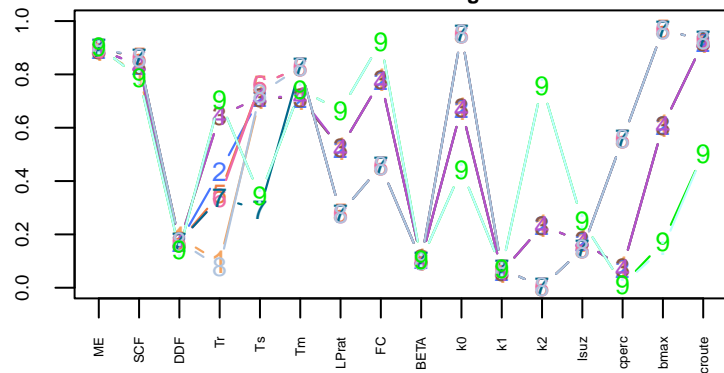
Normalized Parameters Sets / Avarage ME: 0.85 / MALFR



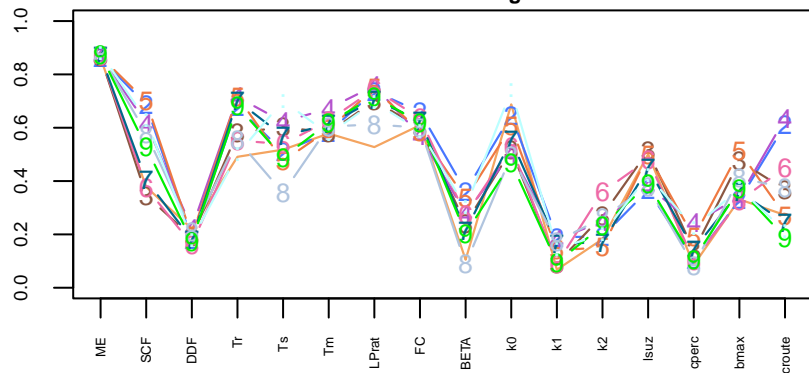
Normalized Parameters Sets / Avarage ME: 0.82 / MALFR



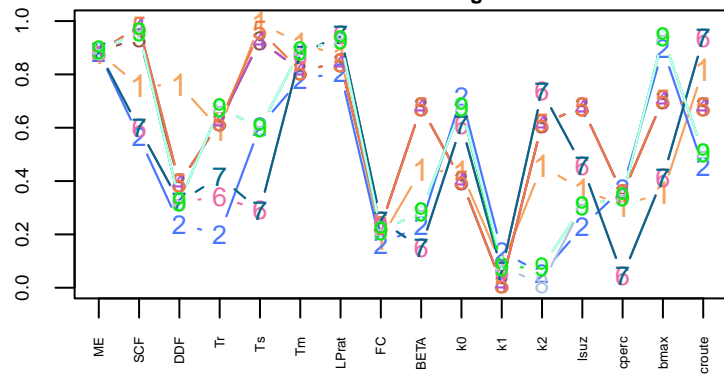
Normalized Parameters Sets / Avarage ME: 0.898 / MONMO



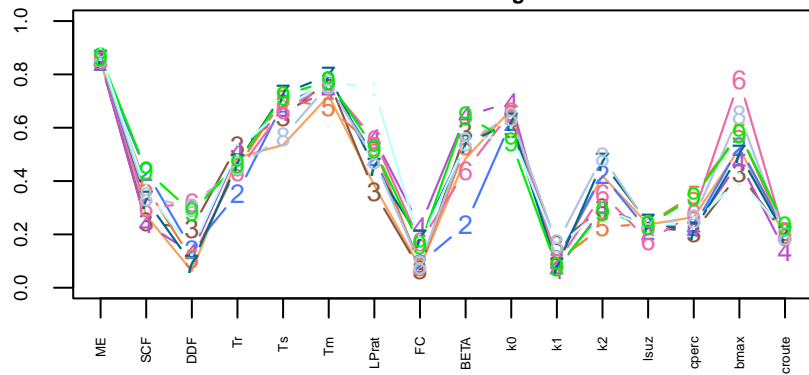
Normalized Parameters Sets / Avarage ME: 0.869 / MONMO



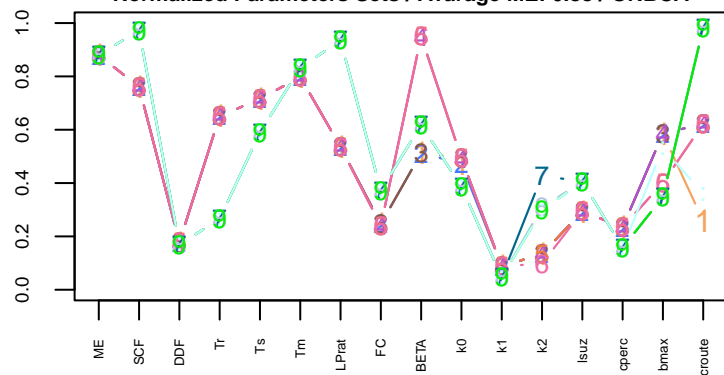
Normalized Parameters Sets / Avarage ME: 0.886 / ORBBA



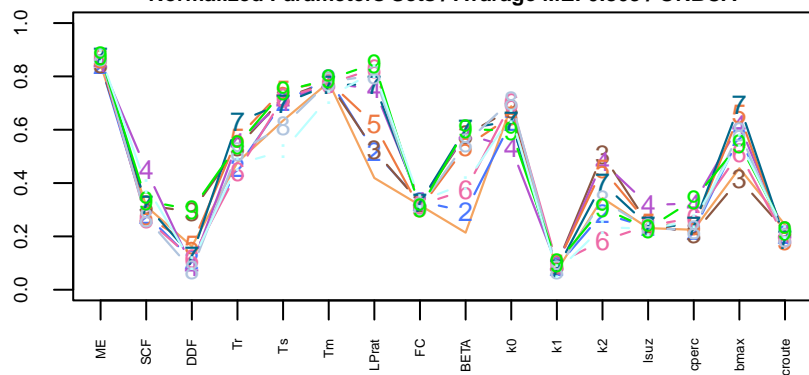
Normalized Parameters Sets / Avarage ME: 0.857 / ORBBA



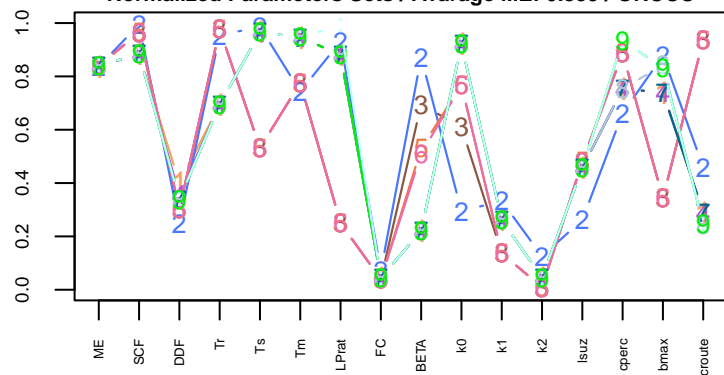
Normalized Parameters Sets / Avarage ME: 0.88 / ORBCA



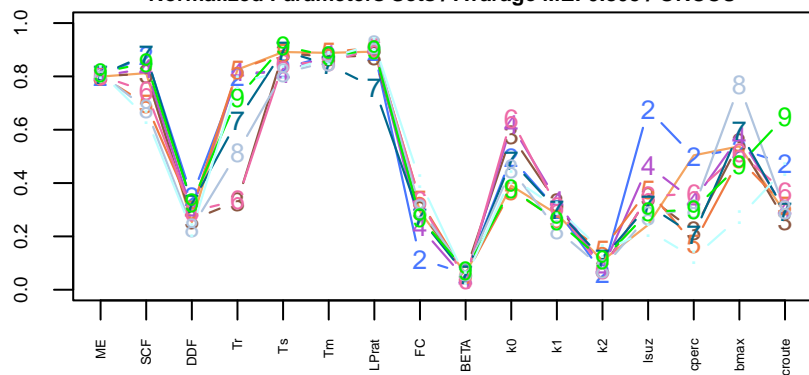
Normalized Parameters Sets / Avarage ME: 0.863 / ORBCA



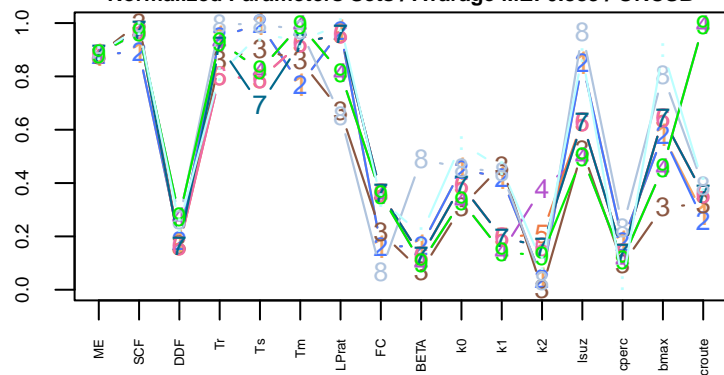
Normalized Parameters Sets / Avarage ME: 0.839 / ORCCU



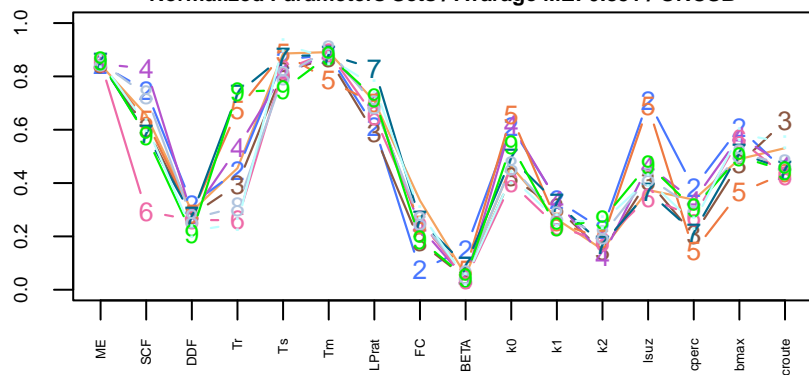
Normalized Parameters Sets / Avarage ME: 0.805 / ORCCU



Normalized Parameters Sets / Avarage ME: 0.883 / ORCSB

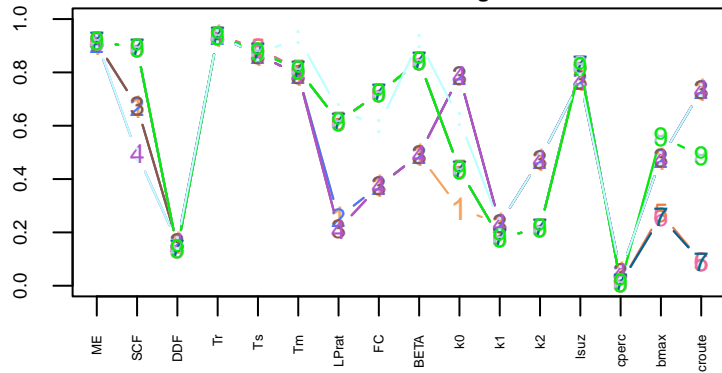


Normalized Parameters Sets / Avarage ME: 0.851 / ORCSB

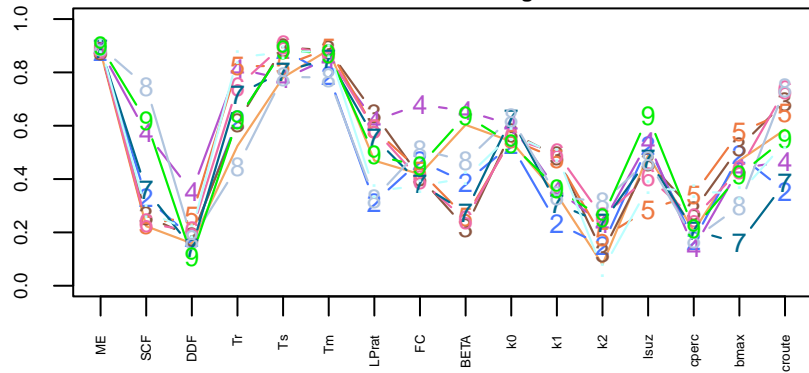




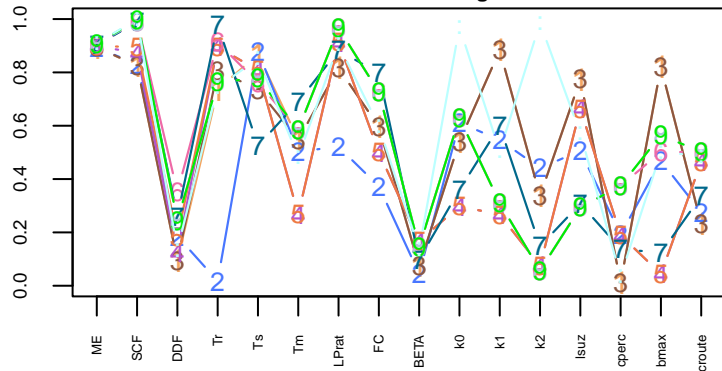
Normalized Parameters Sets / Avarage ME: 0.915 / PELVI



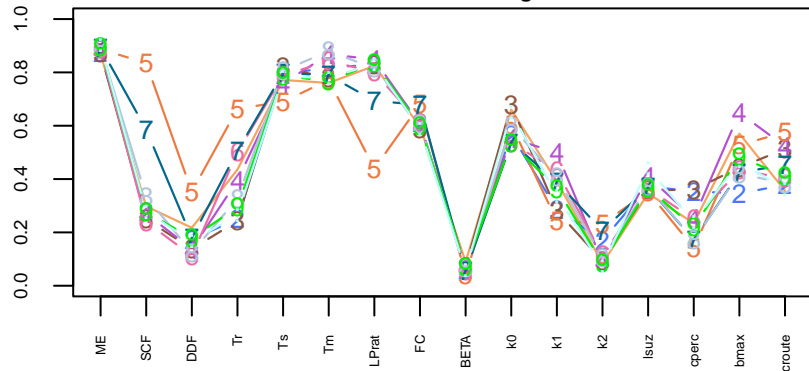
Normalized Parameters Sets / Avarage ME: 0.888 / PELVI



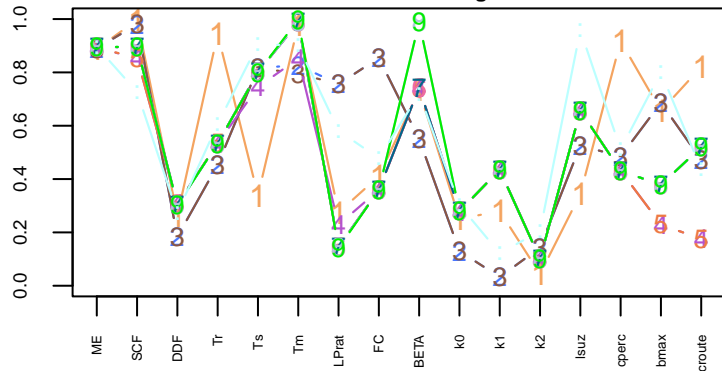
Normalized Parameters Sets / Avarage ME: 0.901 / POCA



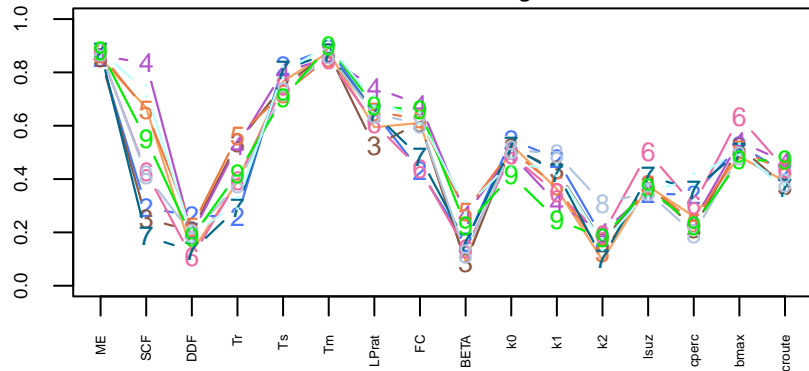
Normalized Parameters Sets / Avarage ME: 0.886 / POCA



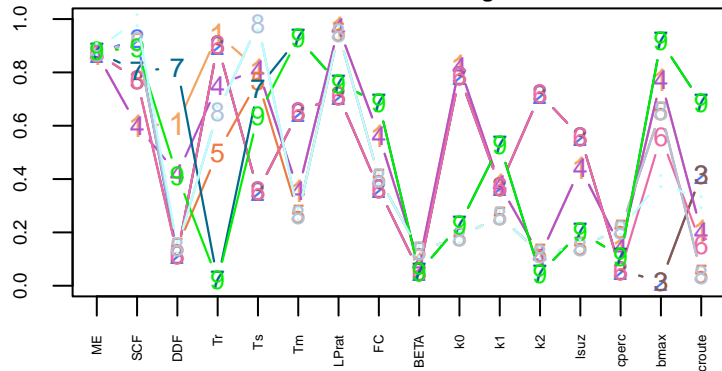
Normalized Parameters Sets / Avarage ME: 0.893 / POCM



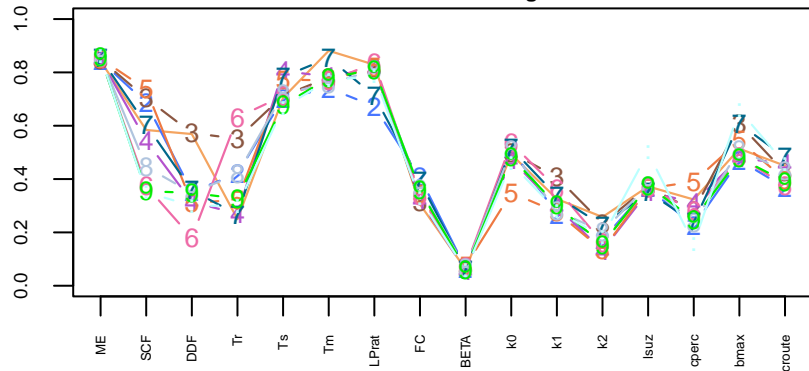
Normalized Parameters Sets / Avarage ME: 0.869 / POCM



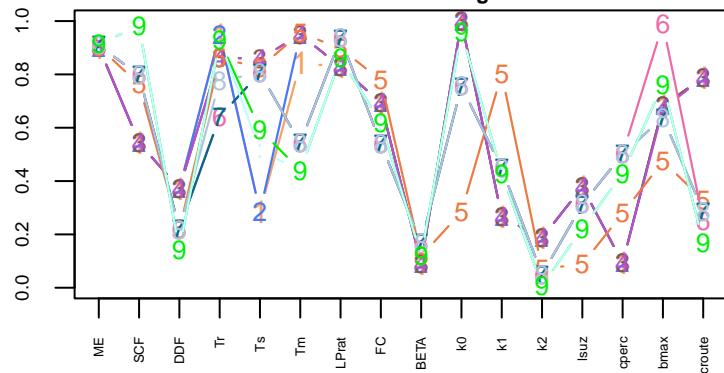
Normalized Parameters Sets / Avarage ME: 0.875 / POIS



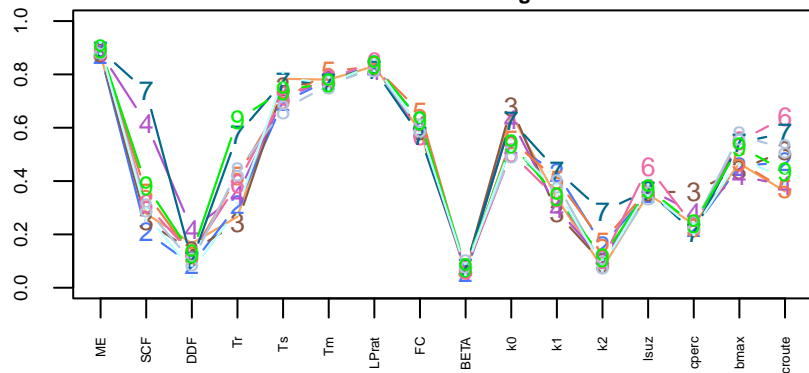
Normalized Parameters Sets / Avarage ME: 0.852 / POIS



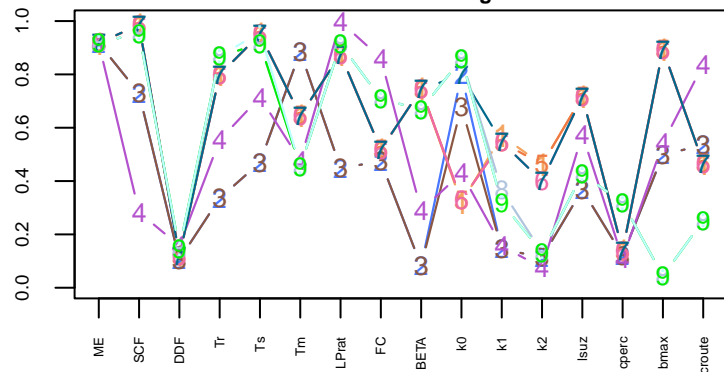
Normalized Parameters Sets / Avarage ME: 0.907 / POMO



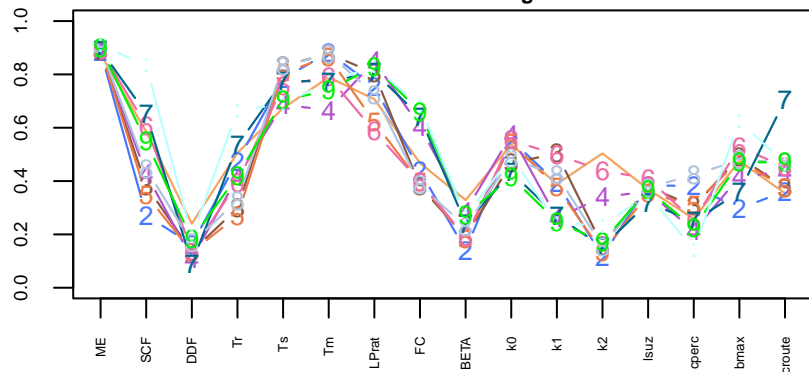
Normalized Parameters Sets / Avarage ME: 0.885 / POMO



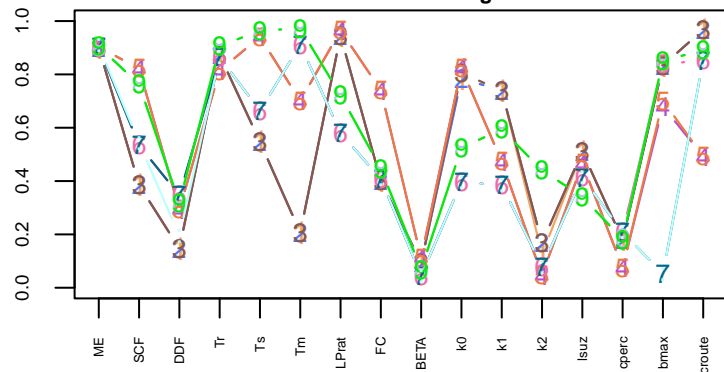
Normalized Parameters Sets / Avarage ME: 0.918 / POSS



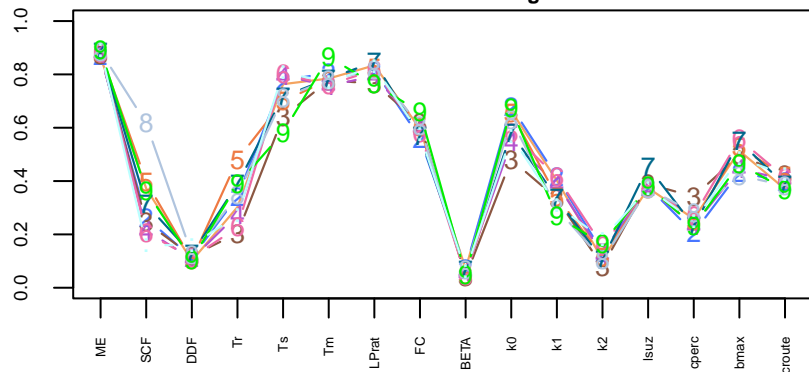
Normalized Parameters Sets / Avarage ME: 0.892 / POSS



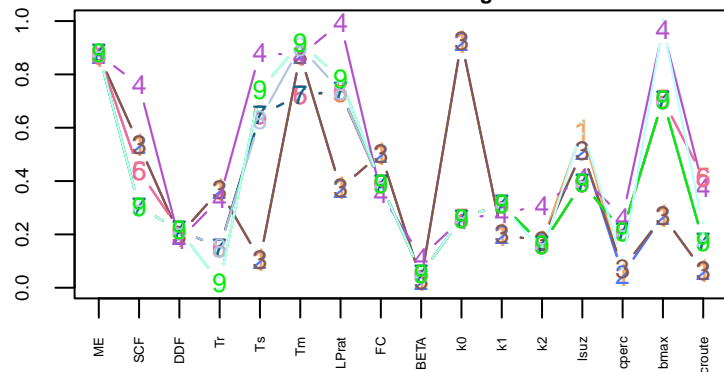
Normalized Parameters Sets / Avarage ME: 0.903 / POTO



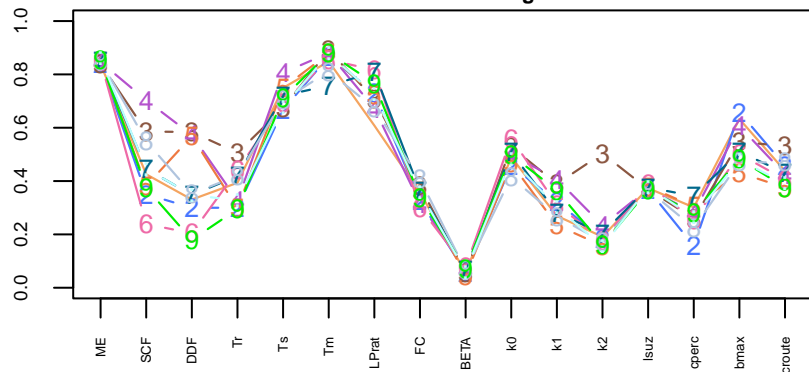
Normalized Parameters Sets / Avarage ME: 0.88 / POTO



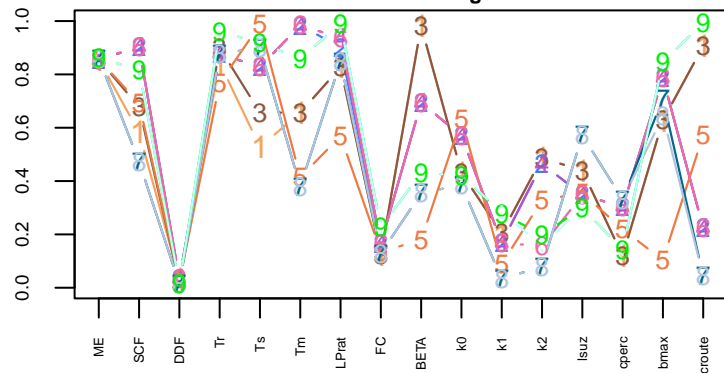
Normalized Parameters Sets / Avarage ME: 0.876 / POVA



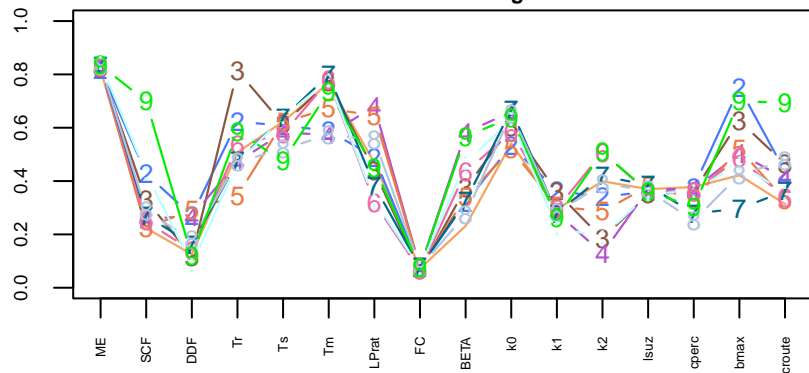
Normalized Parameters Sets / Avarage ME: 0.848 / POVA



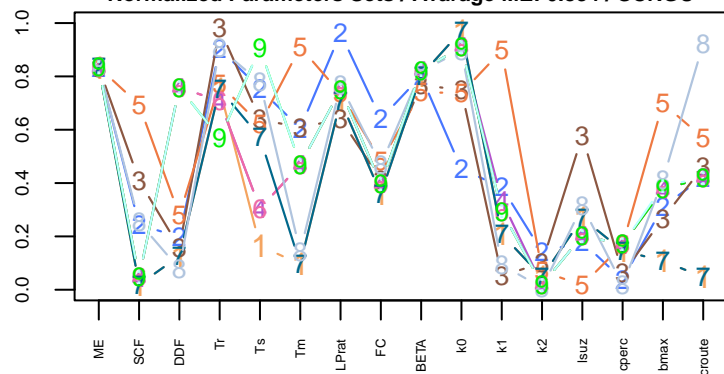
Normalized Parameters Sets / Avarage ME: 0.858 / SANMO



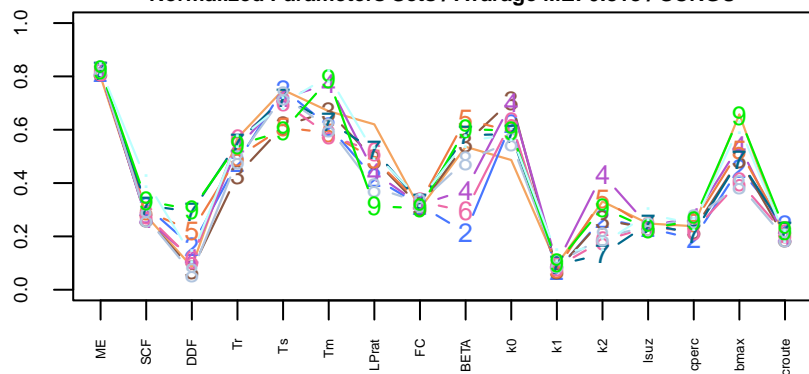
Normalized Parameters Sets / Avarage ME: 0.828 / SANMO



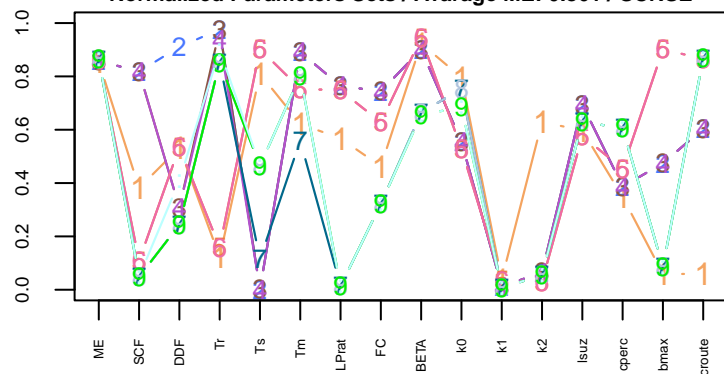
Normalized Parameters Sets / Avarage ME: 0.834 / SCRGU



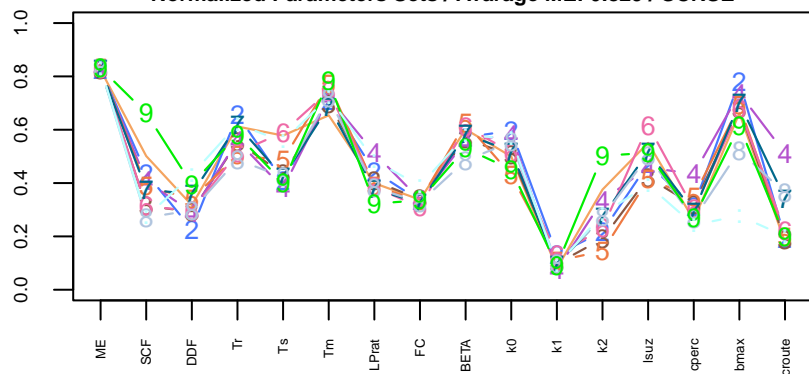
Normalized Parameters Sets / Avarage ME: 0.818 / SCRGU



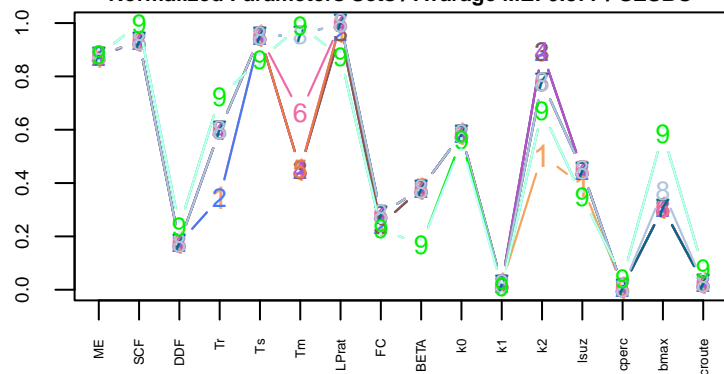
Normalized Parameters Sets / Avarage ME: 0.861 / SCRSE



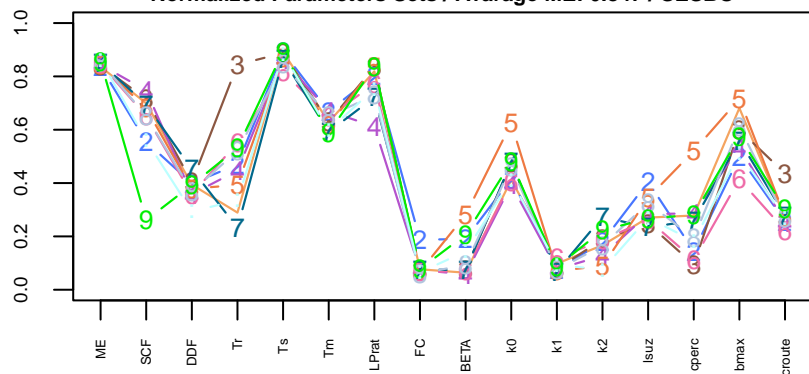
Normalized Parameters Sets / Avarage ME: 0.829 / SCRSE



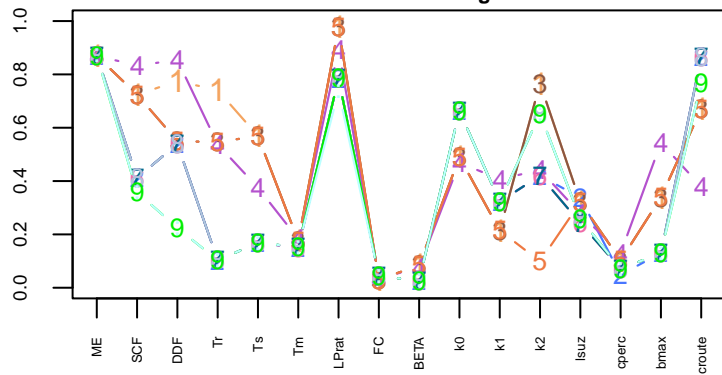
Normalized Parameters Sets / Avarage ME: 0.877 / SESBO



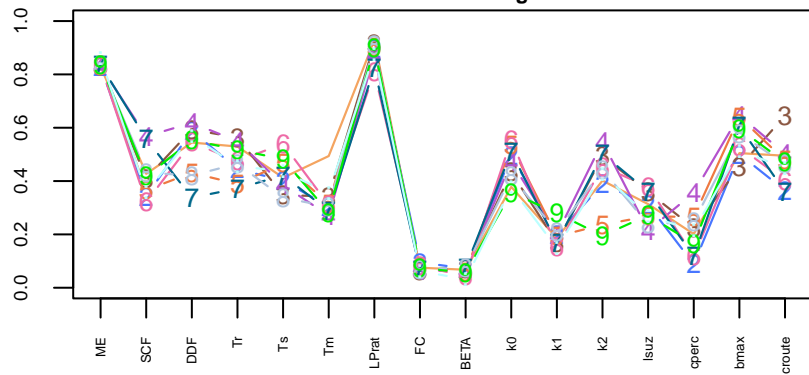
Normalized Parameters Sets / Avarage ME: 0.847 / SESBO



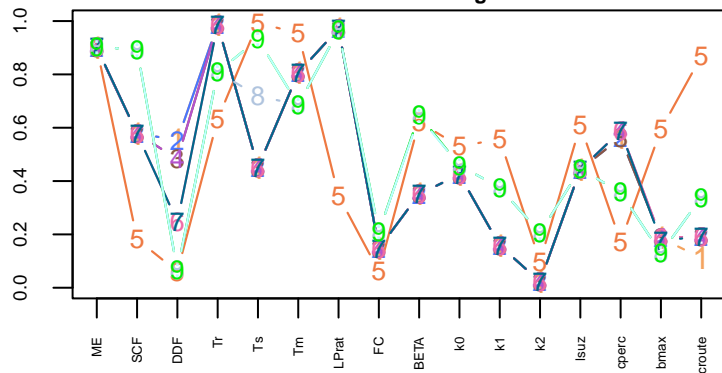
Normalized Parameters Sets / Avarage ME: 0.87 / SESPA



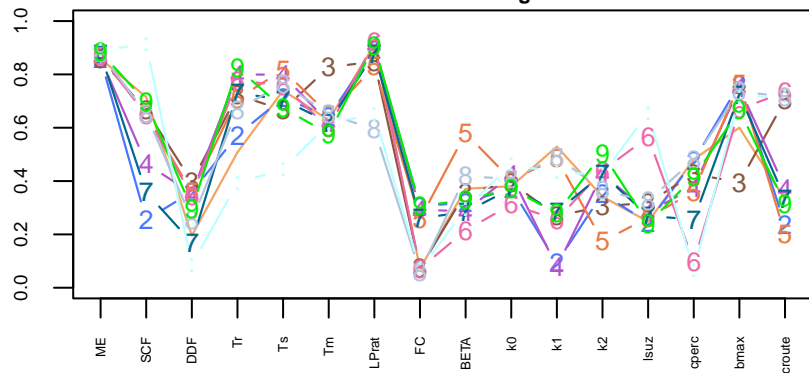
Normalized Parameters Sets / Avarage ME: 0.836 / SESPA



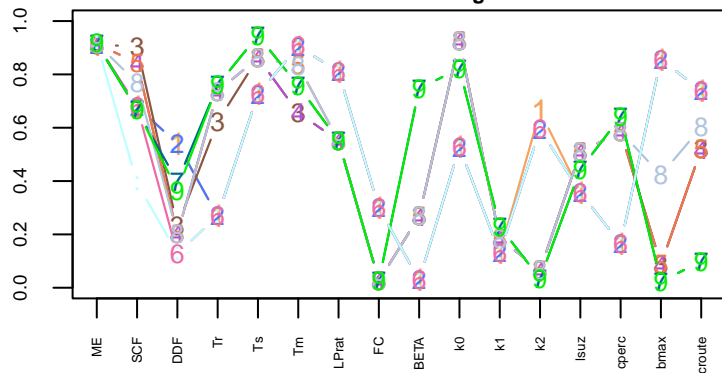
Normalized Parameters Sets / Avarage ME: 0.901 / SGIVE



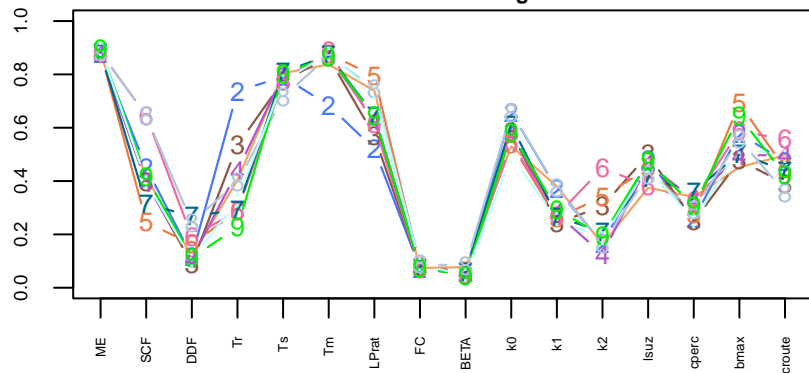
Normalized Parameters Sets / Avarage ME: 0.871 / SGIVE



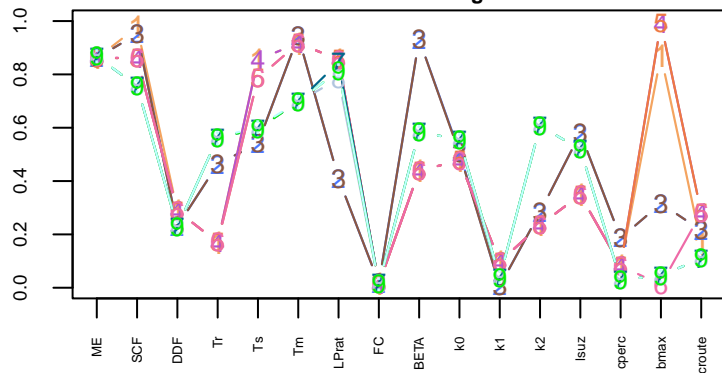
Normalized Parameters Sets / Avarage ME: 0.914 / SLATO



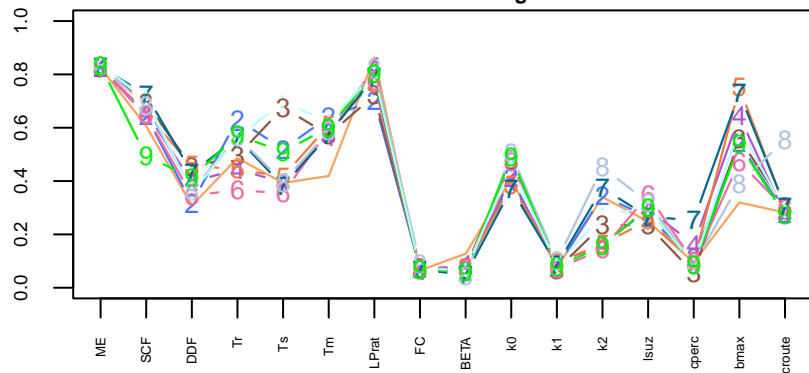
Normalized Parameters Sets / Avarage ME: 0.884 / SLATO



Normalized Parameters Sets / Avarage ME: 0.864 / SSEPR

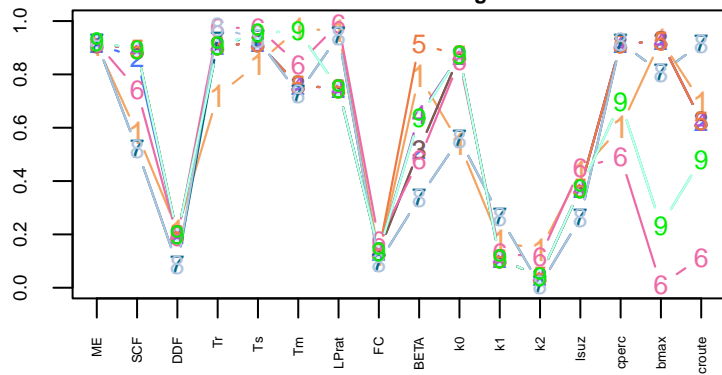


Normalized Parameters Sets / Avarage ME: 0.828 / SSEPR

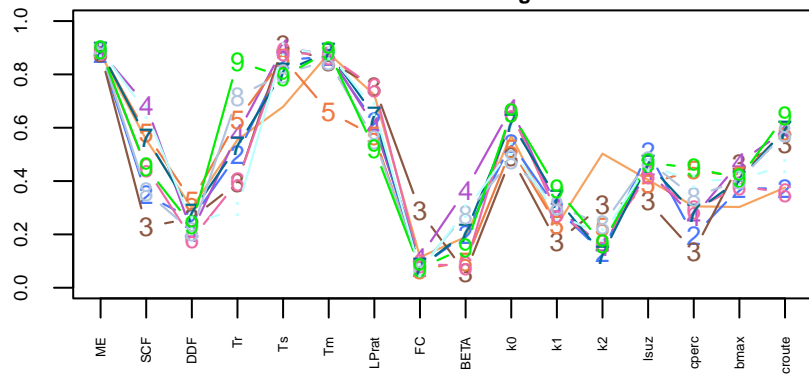




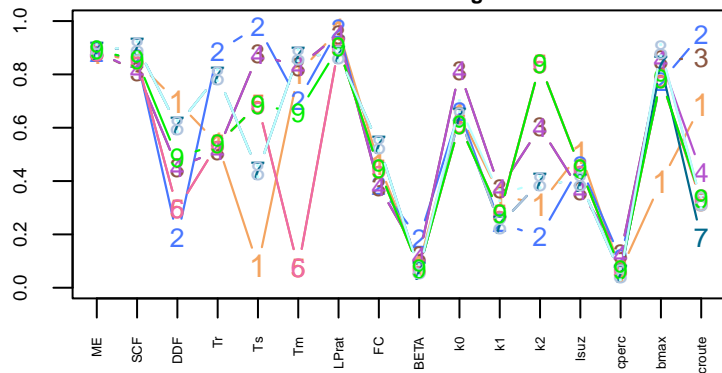
Normalized Parameters Sets / Average ME: 0.918 / SVIGE



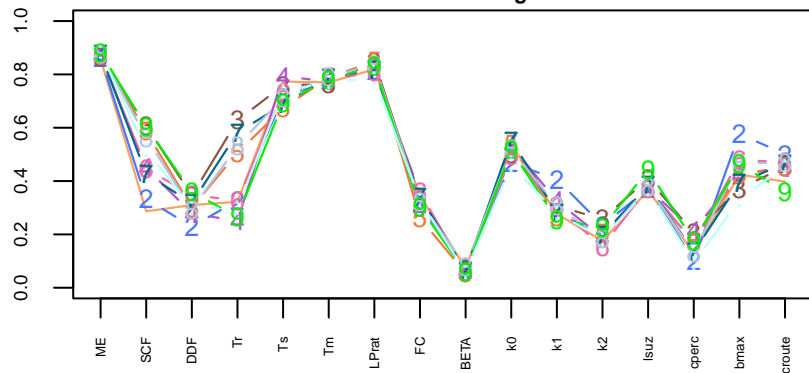
Normalized Parameters Sets / Average ME: 0.886 / SVIGE



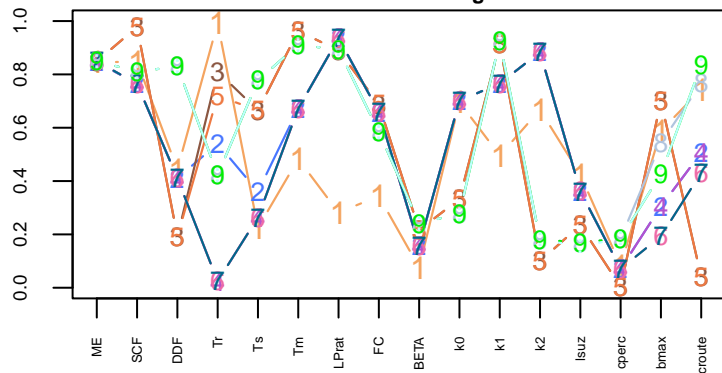
Normalized Parameters Sets / Average ME: 0.887 / TANAB



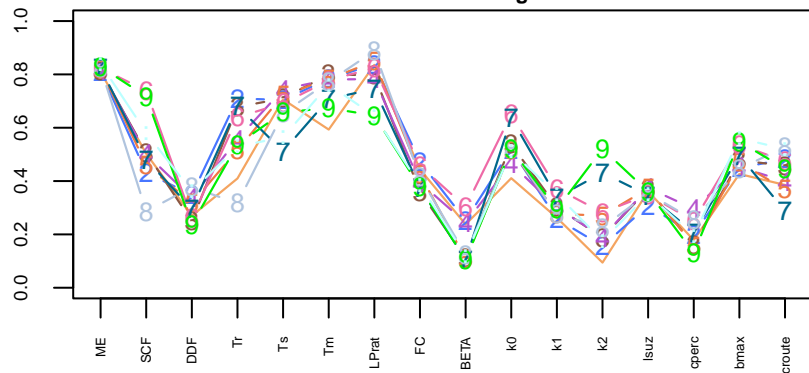
Normalized Parameters Sets / Average ME: 0.872 / TANAB



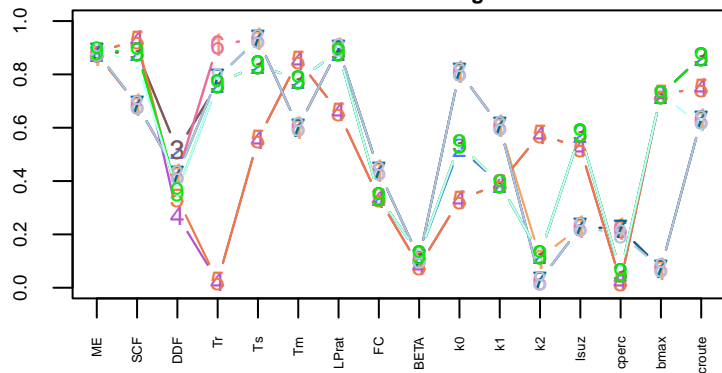
Normalized Parameters Sets / Average ME: 0.849 / TANAL



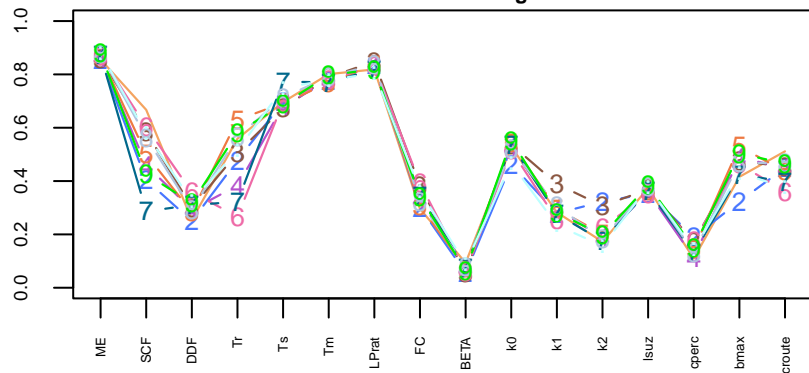
Normalized Parameters Sets / Average ME: 0.821 / TANAL



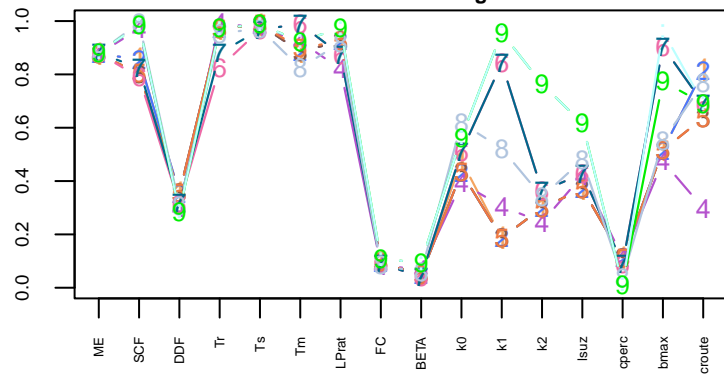
Normalized Parameters Sets / Average ME: 0.883 / TANAS



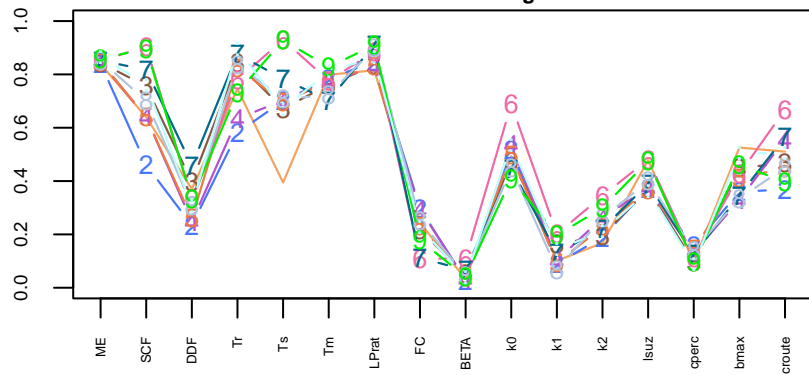
Normalized Parameters Sets / Average ME: 0.868 / TANAS



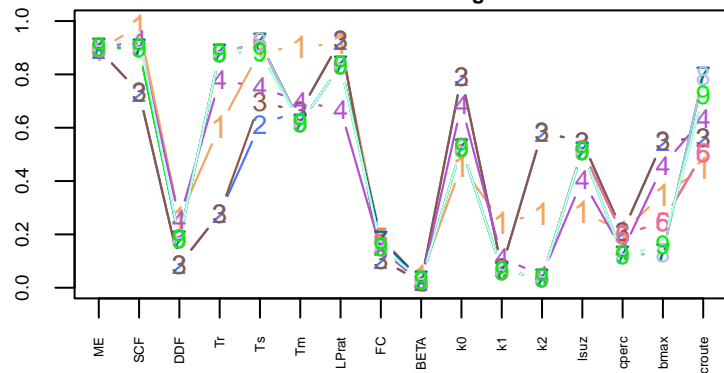
Normalized Parameters Sets / Average ME: 0.879 / TANFA



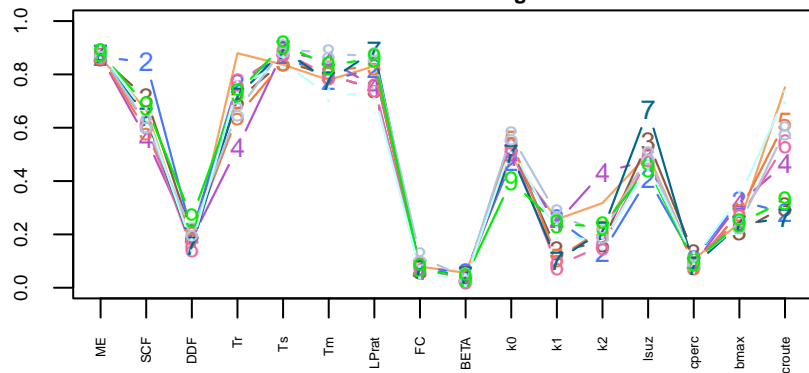
Normalized Parameters Sets / Average ME: 0.85 / TANFA



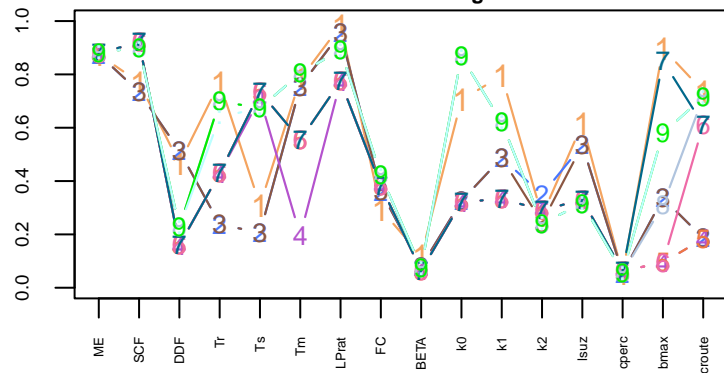
Normalized Parameters Sets / Average ME: 0.898 / TANGA



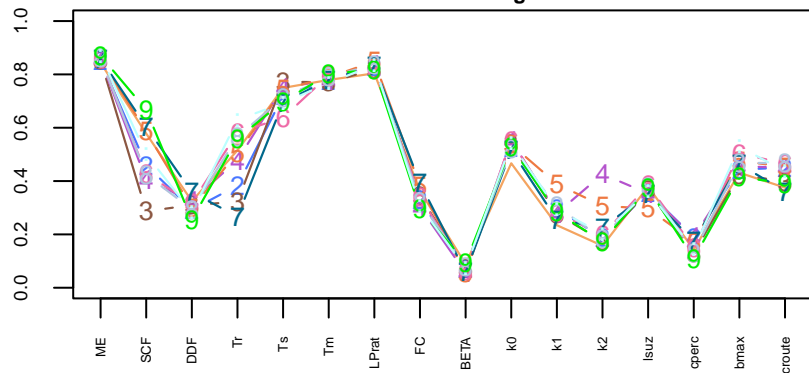
Normalized Parameters Sets / Average ME: 0.873 / TANGA



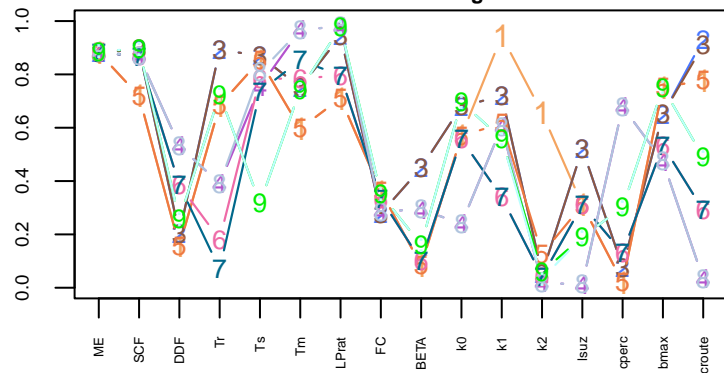
Normalized Parameters Sets / Average ME: 0.879 / TANMA



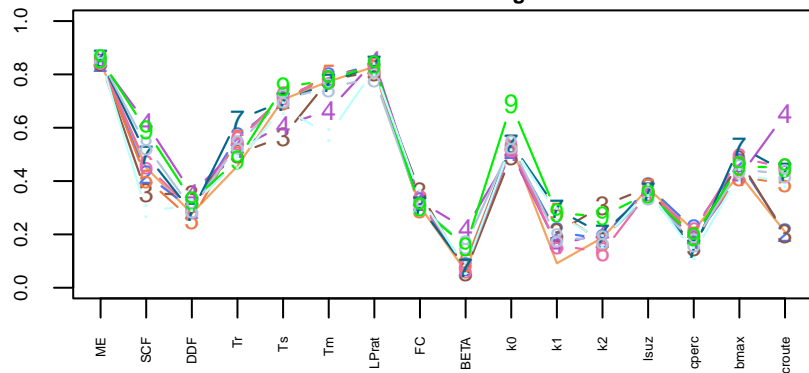
Normalized Parameters Sets / Average ME: 0.858 / TANMA



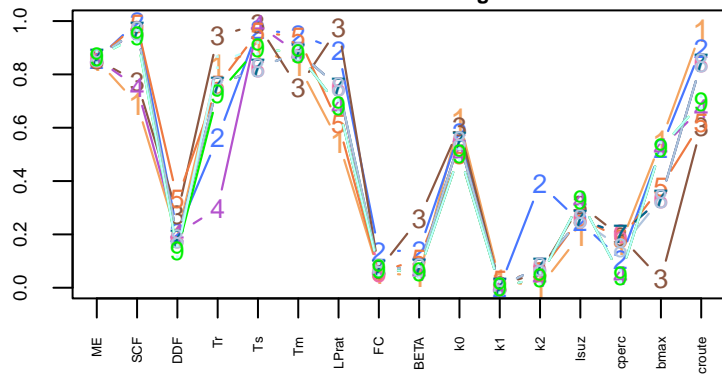
Normalized Parameters Sets / Average ME: 0.883 / TANMO



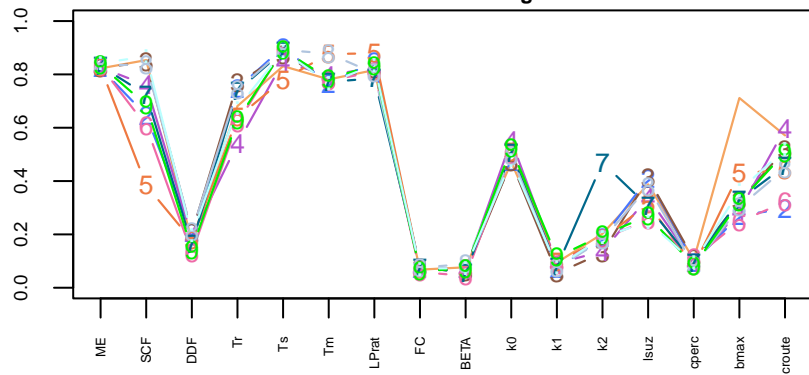
Normalized Parameters Sets / Average ME: 0.852 / TANMO



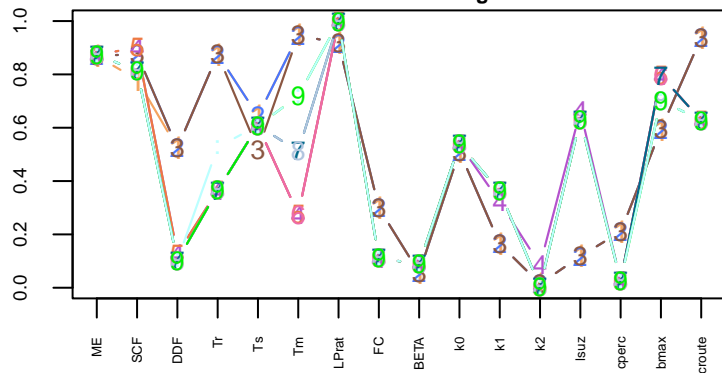
Normalized Parameters Sets / Avarage ME: 0.86 / TANNU



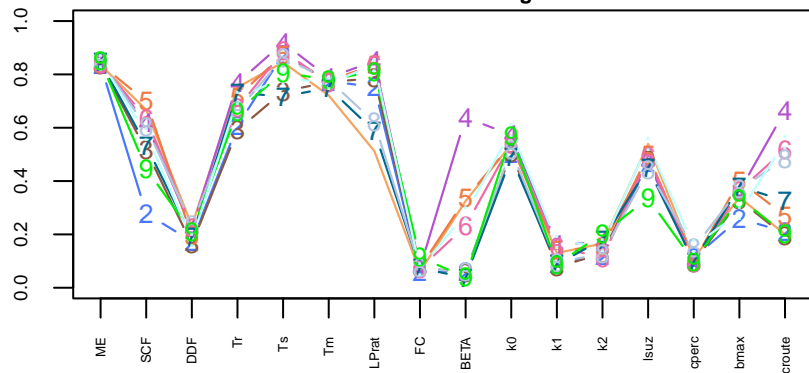
Normalized Parameters Sets / Avarage ME: 0.83 / TANNU



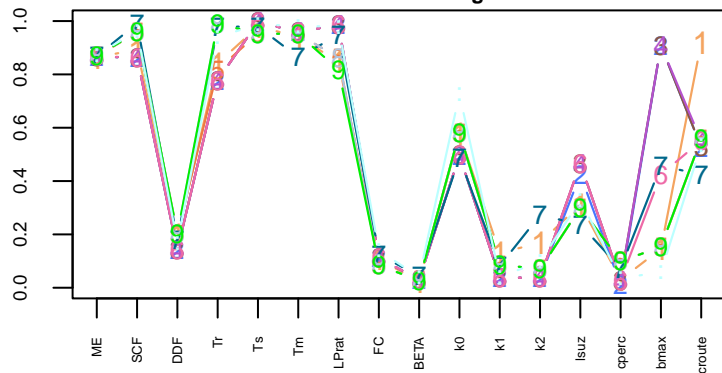
Normalized Parameters Sets / Avarage ME: 0.872 / TANPI



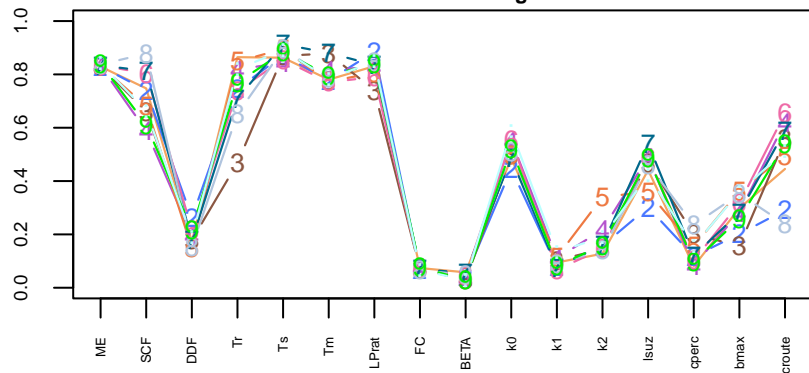
Normalized Parameters Sets / Avarage ME: 0.842 / TANPI



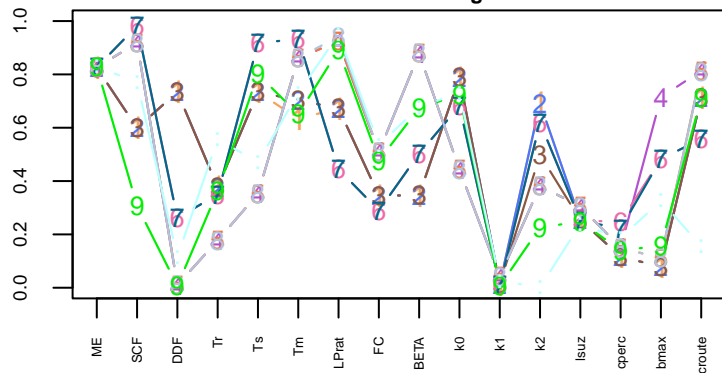
Normalized Parameters Sets / Avarage ME: 0.868 / TANPN



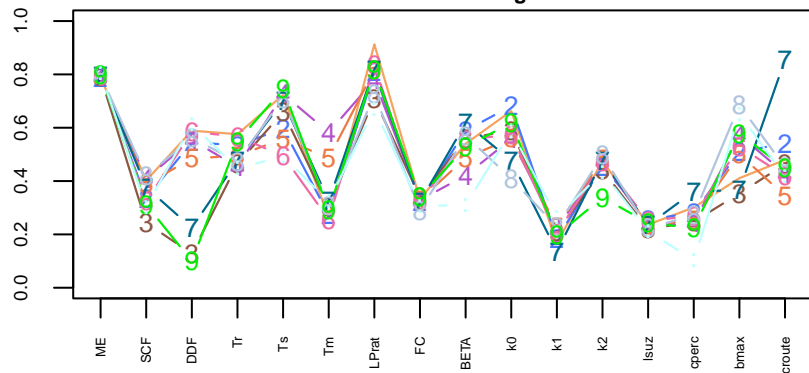
Normalized Parameters Sets / Avarage ME: 0.834 / TANPN



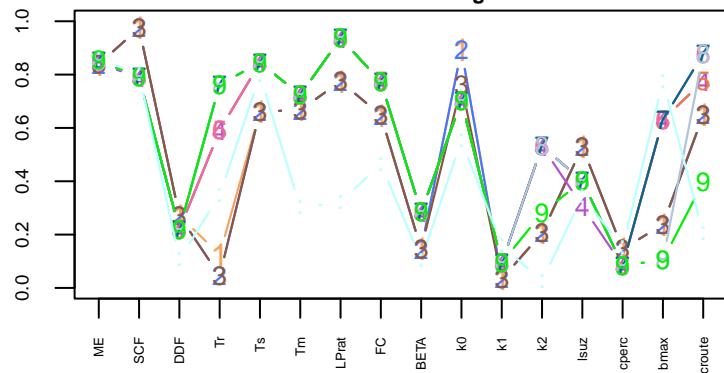
Normalized Parameters Sets / Avarage ME: 0.827 / TERCA



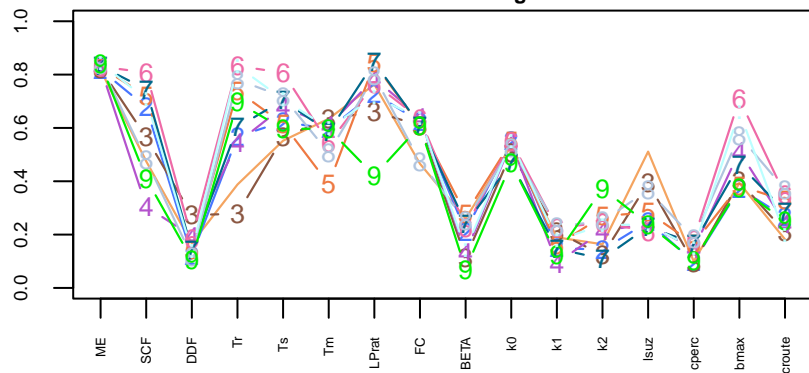
Normalized Parameters Sets / Avarage ME: 0.794 / TERCA



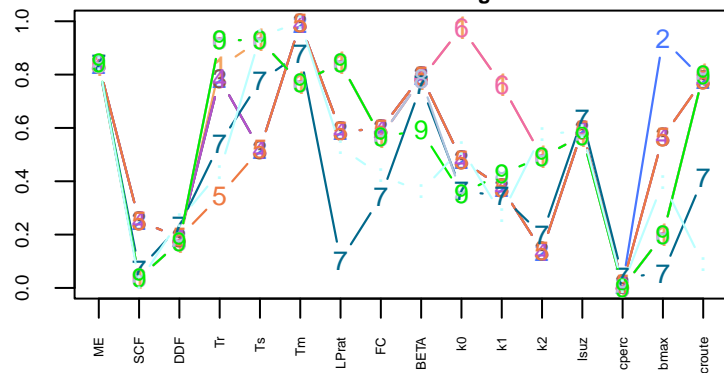
Normalized Parameters Sets / Avarage ME: 0.848 / UZZCO



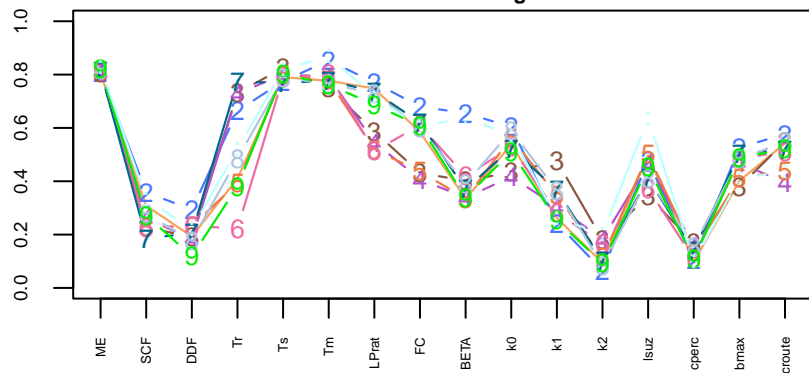
Normalized Parameters Sets / Avarage ME: 0.829 / UZZCO



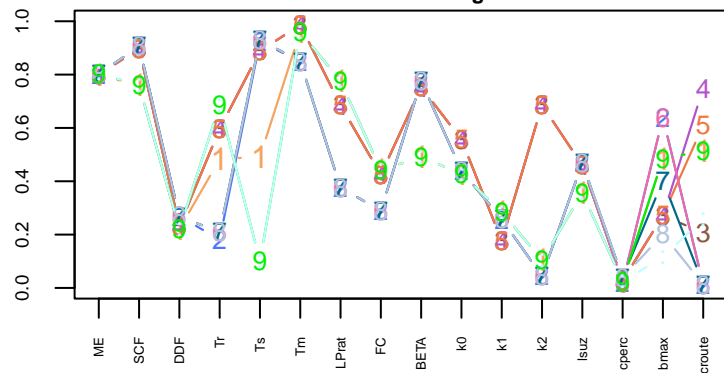
Normalized Parameters Sets / Avarage ME: 0.84 / VARPO



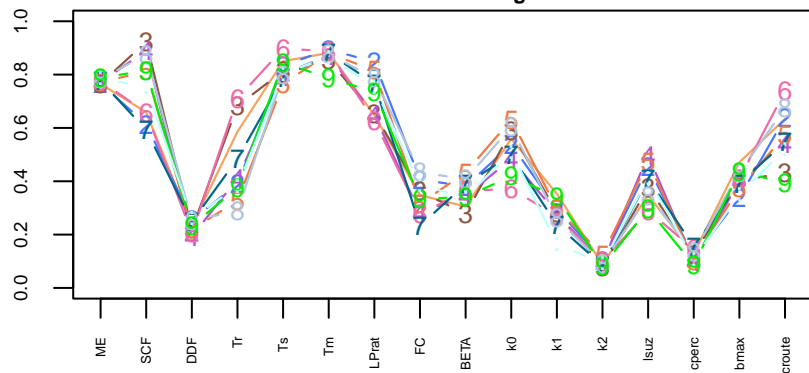
Normalized Parameters Sets / Avarage ME: 0.814 / VARPO



Normalized Parameters Sets / Avarage ME: 0.801 / VARRO



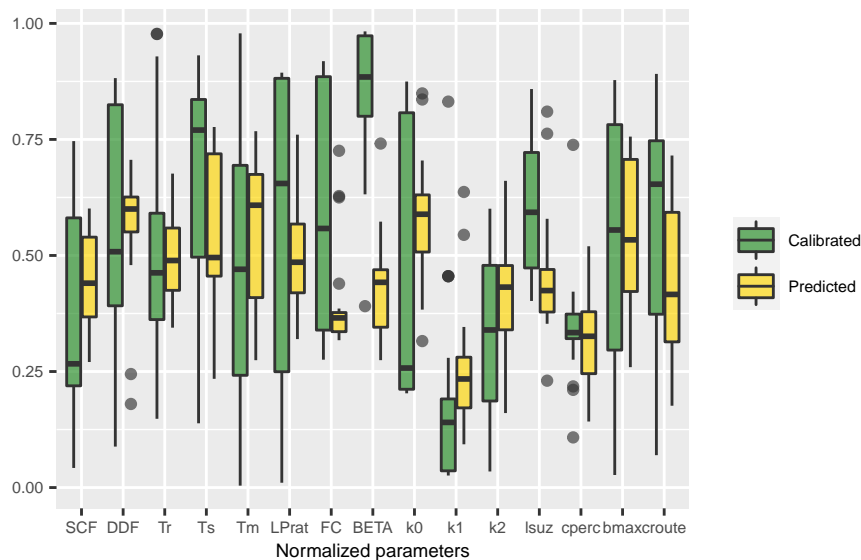
Normalized Parameters Sets / Avarage ME: 0.775 / VARRO



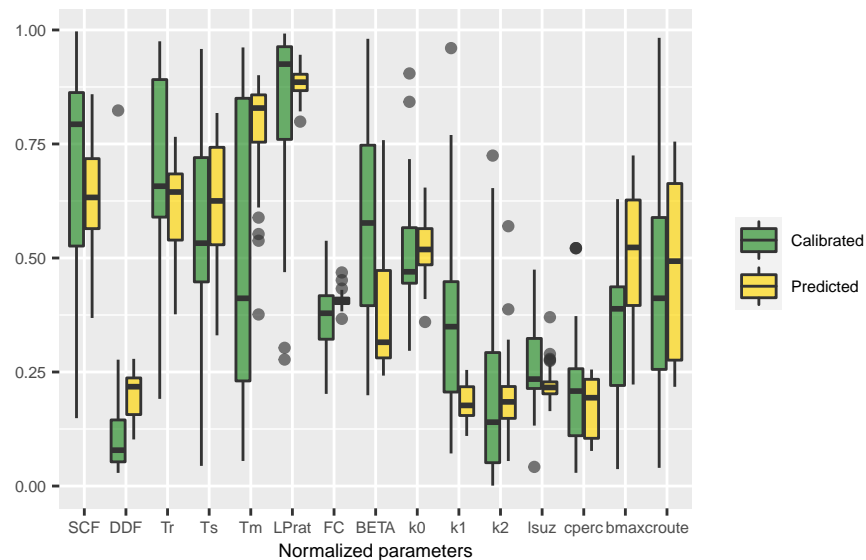


***ATTACHMENT 6***  
***EQUIFINALITY COMPARISON***  
***(LOCAL LUMPED VS HYDROPASS PREDICTED – ALL***  
***CATCHMENTS)***

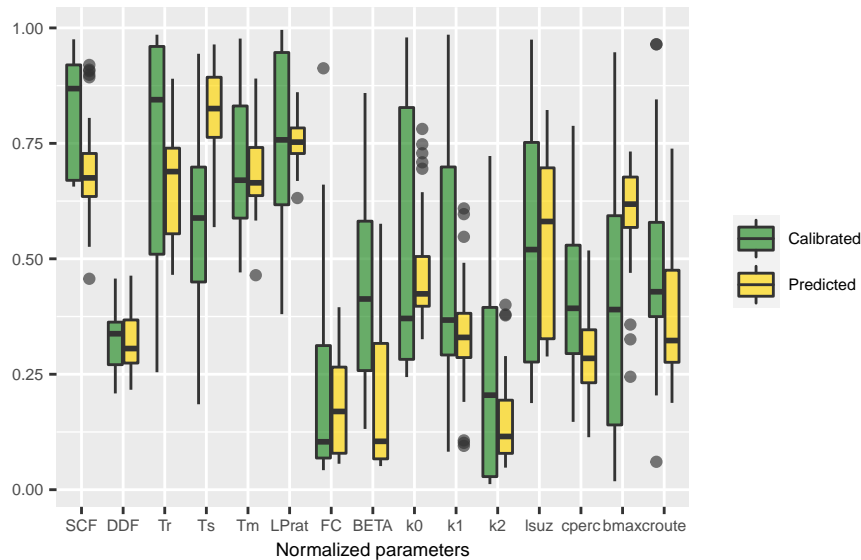
Model parameter distributions comparison (AGOMO)



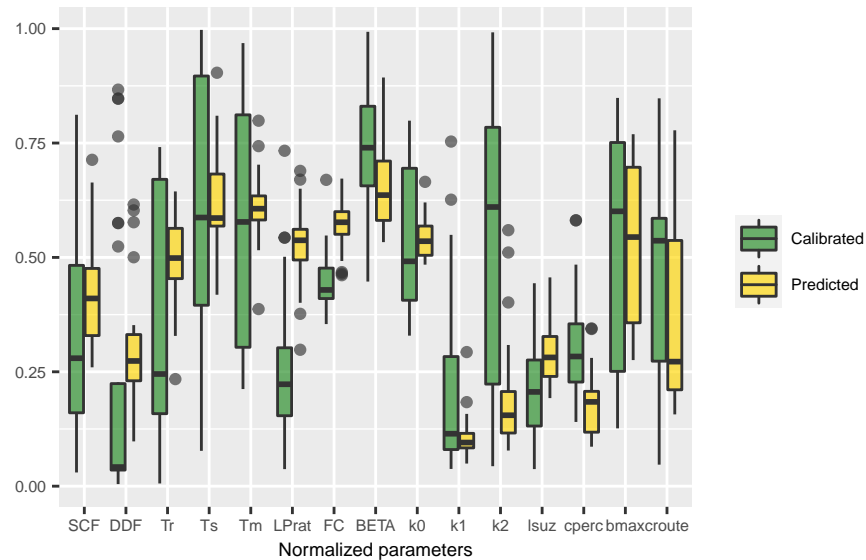
Model parameter distributions comparison (BELRO)



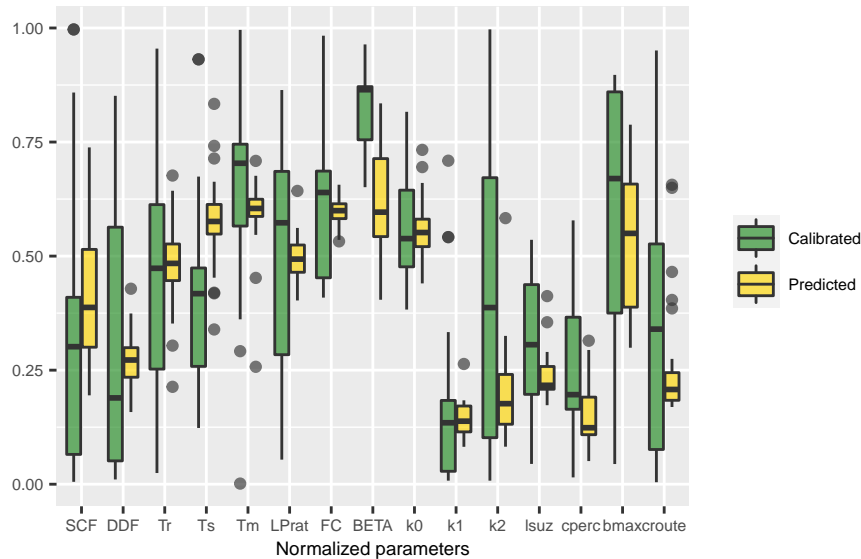
Model parameter distributions comparison (BOGPC)



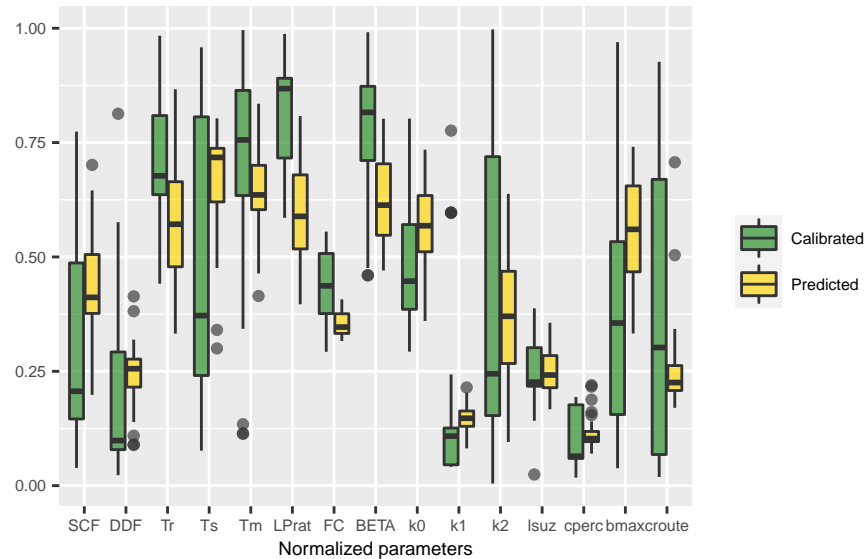
Model parameter distributions comparison (BOMCA)



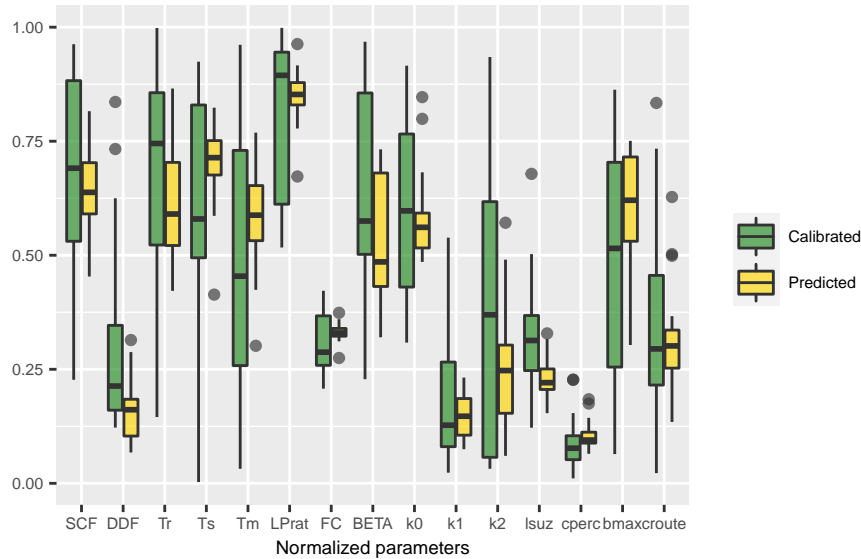
Model parameter distributions comparison (BOMCE)



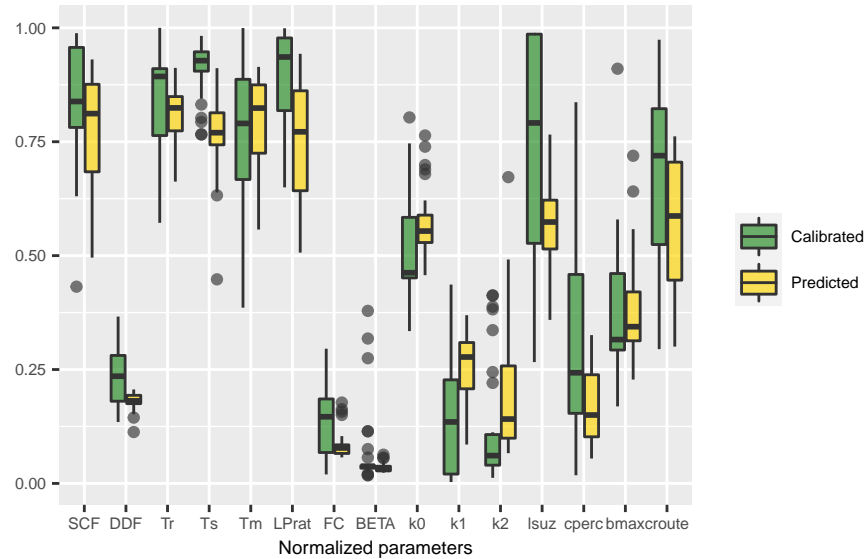
Model parameter distributions comparison (BORAL)



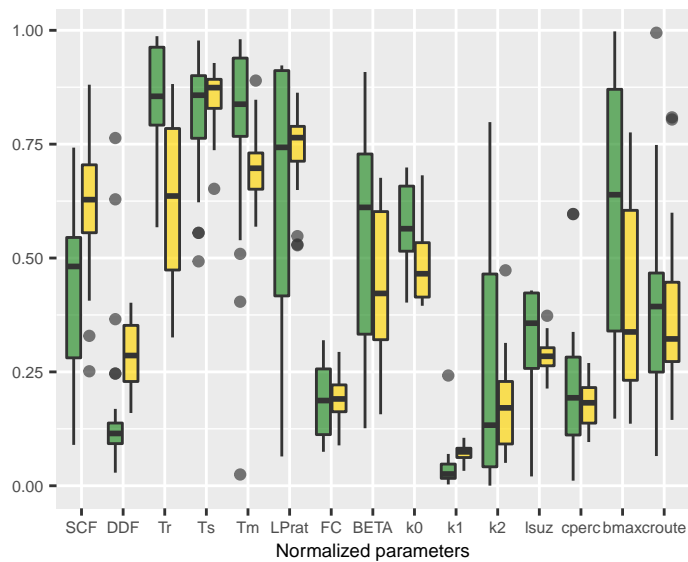
Model parameter distributions comparison (BORCA)



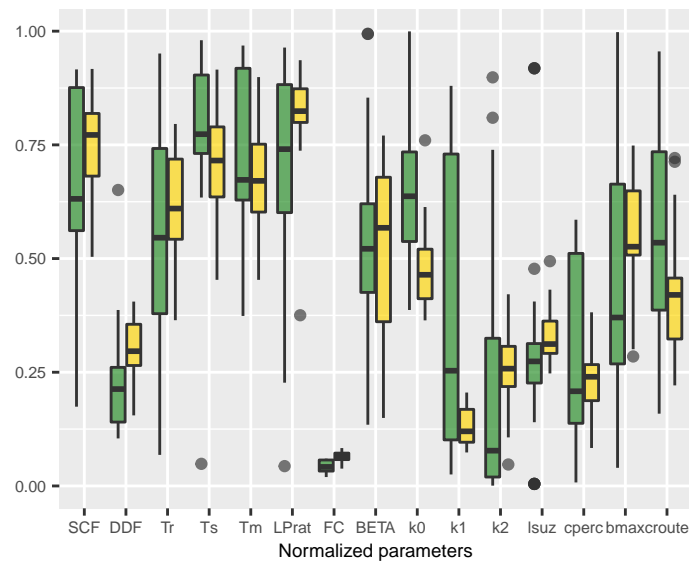
Model parameter distributions comparison (CASMO)



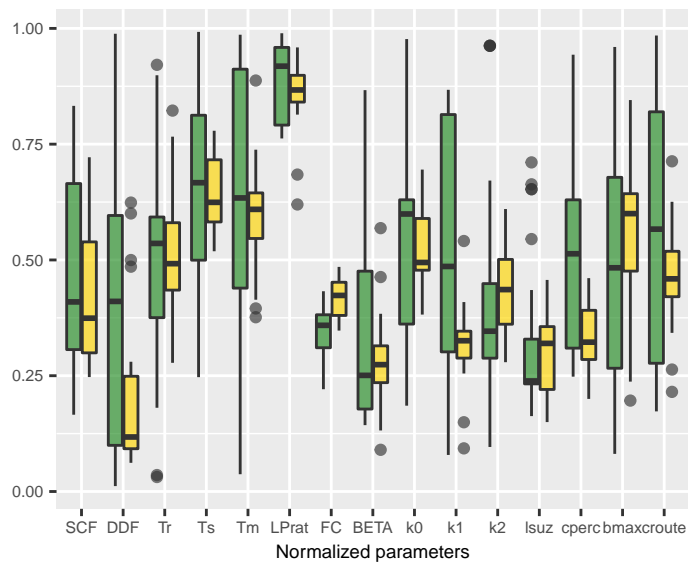
Model parameter distributions comparison (CEVPA)



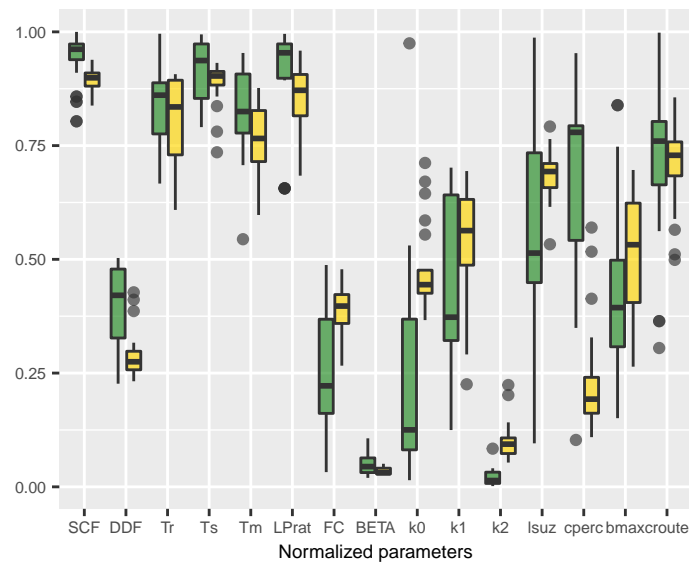
Model parameter distributions comparison (CEVVI)



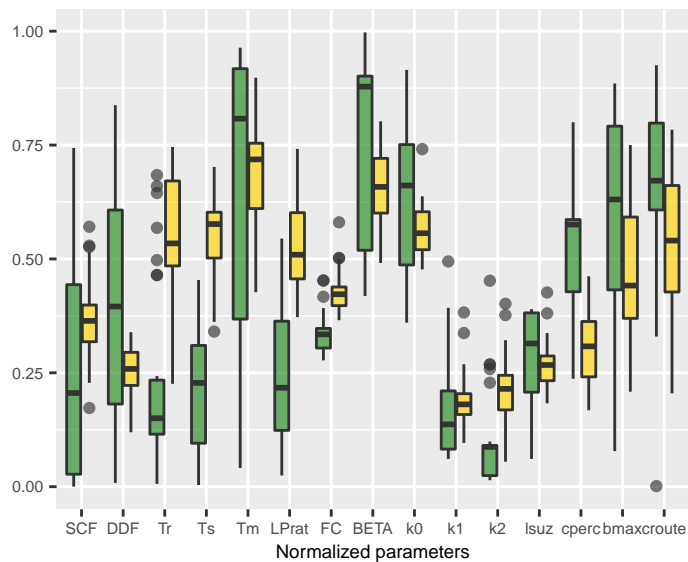
Model parameter distributions comparison (CHLLO)



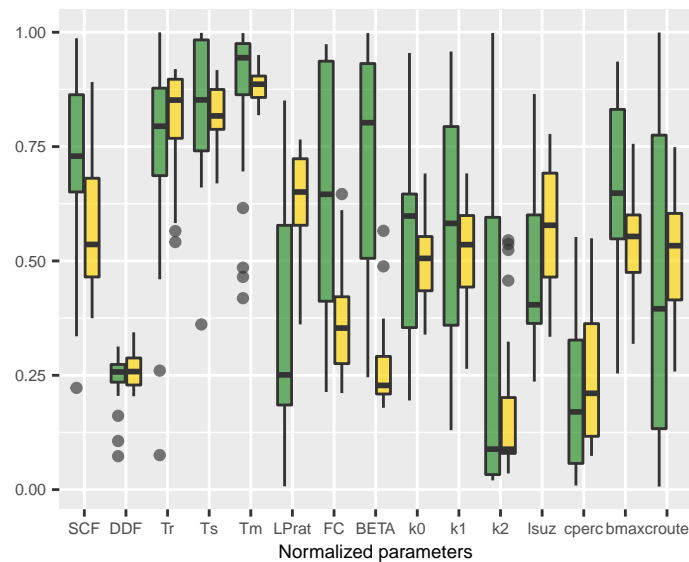
Model parameter distributions comparison (CHSSB)



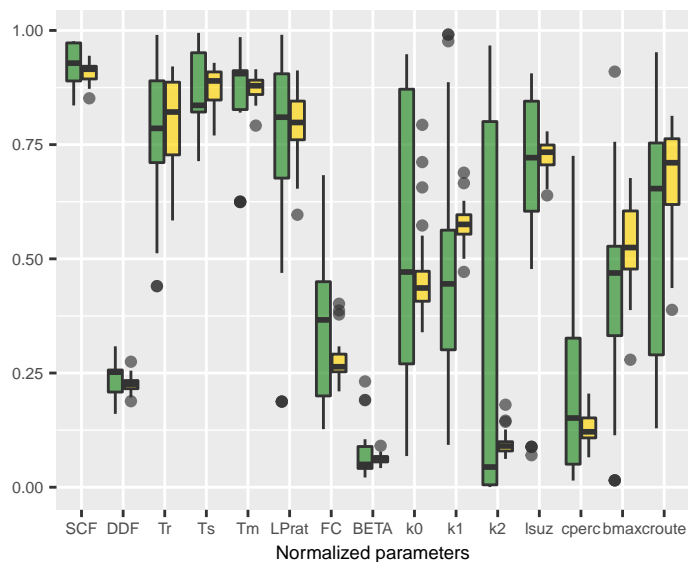
Model parameter distributions comparison (CURVO)



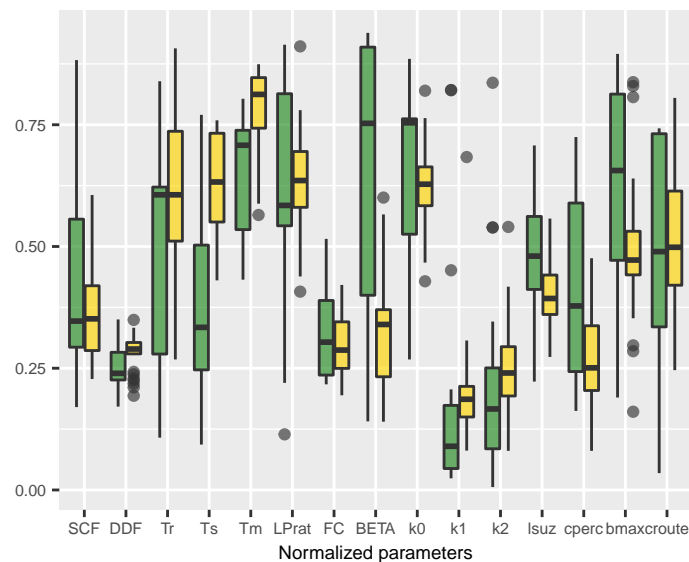
Model parameter distributions comparison (DBAVE)



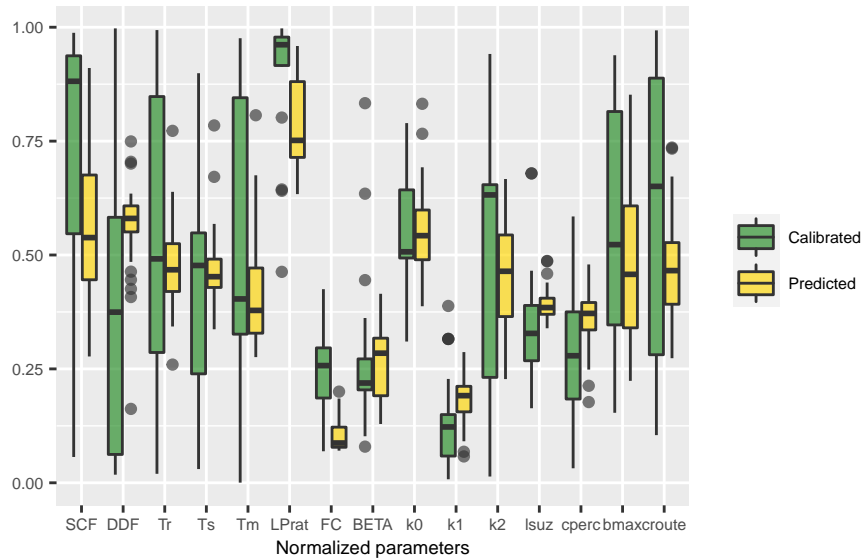
Model parameter distributions comparison (DRIOU)



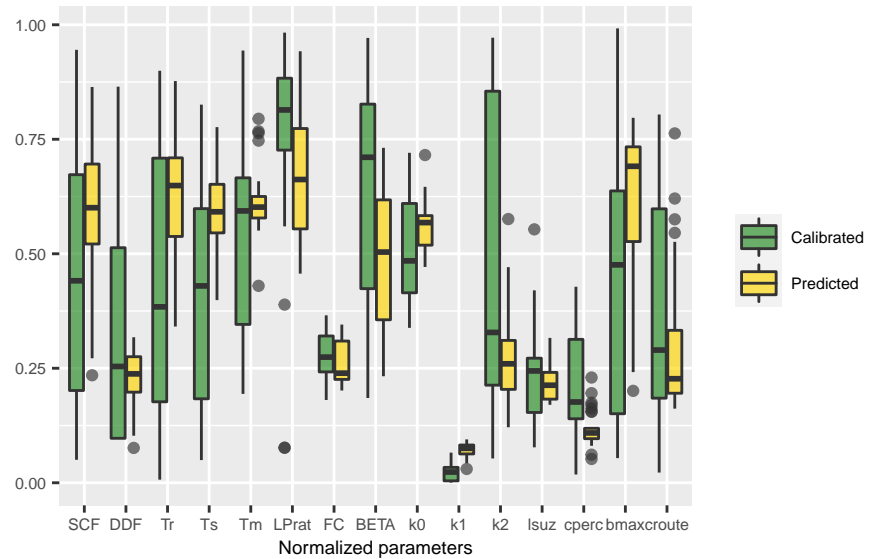
Model parameter distributions comparison (ELLMO)



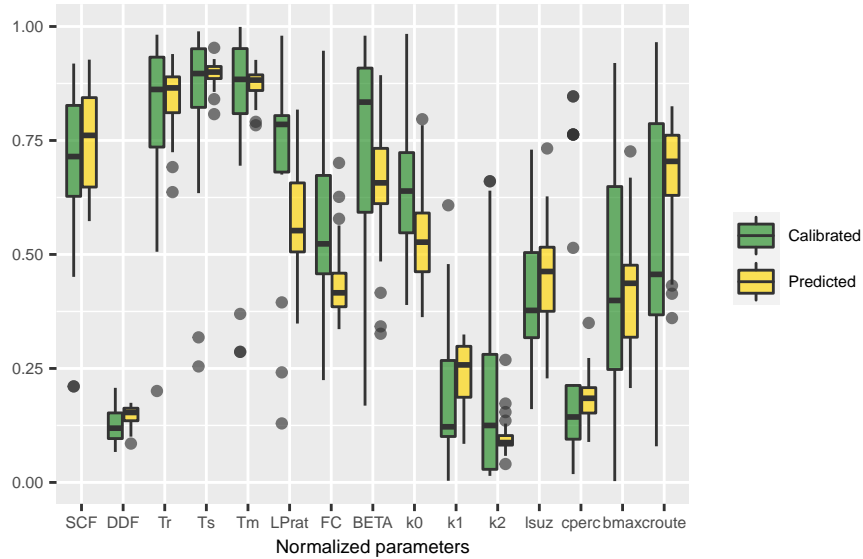
Model parameter distributions comparison (ELVCA)



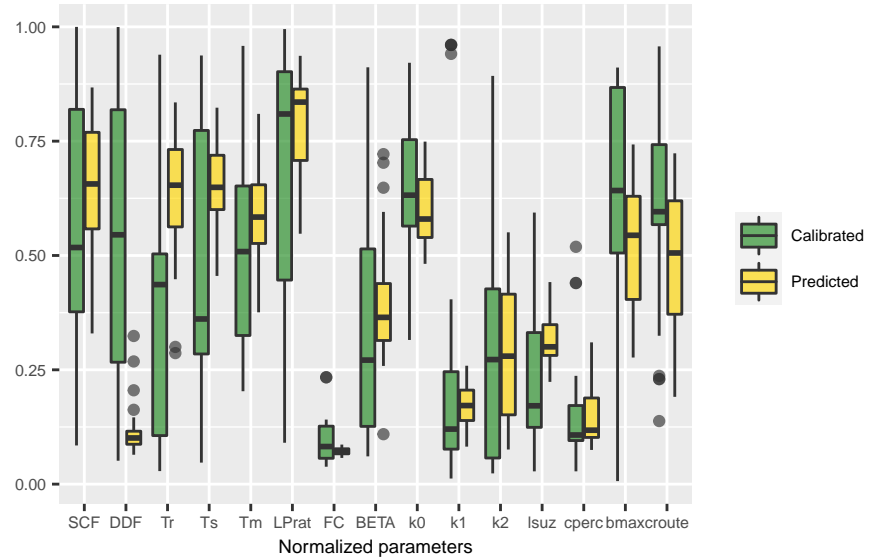
Model parameter distributions comparison (ERRCA)



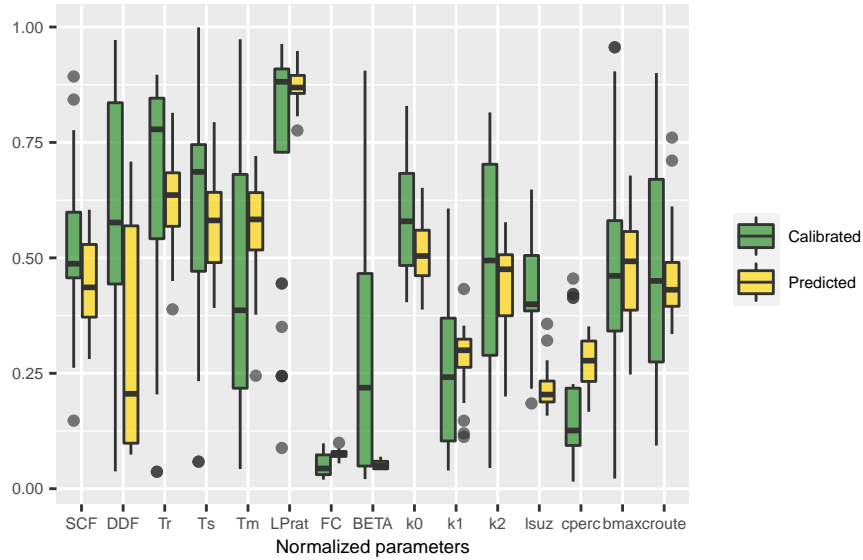
Model parameter distributions comparison (GERPE)



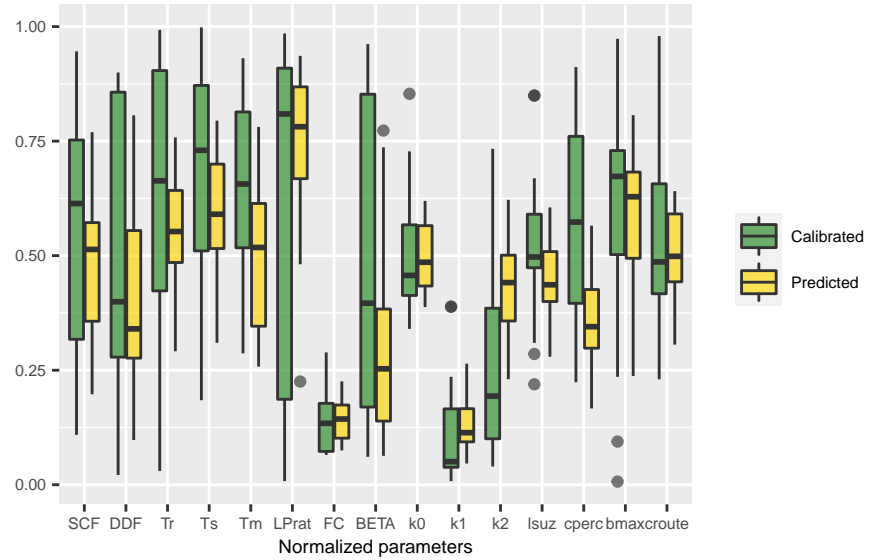
Model parameter distributions comparison (GHIST)



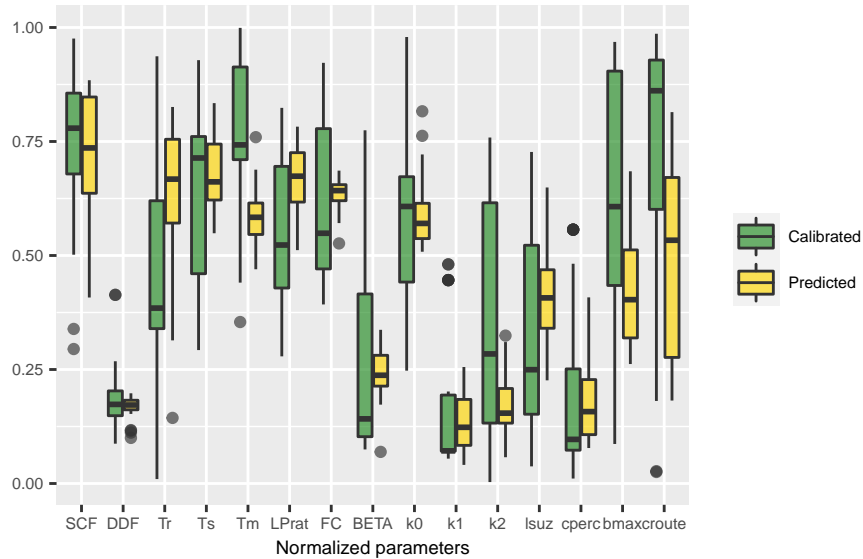
Model parameter distributions comparison (MALBR)



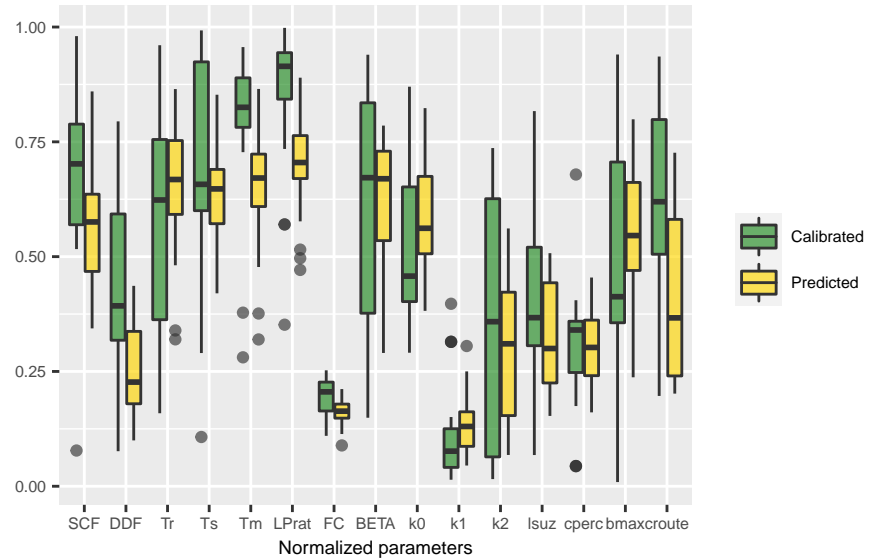
Model parameter distributions comparison (MALFR)



Model parameter distributions comparison (MONMO)

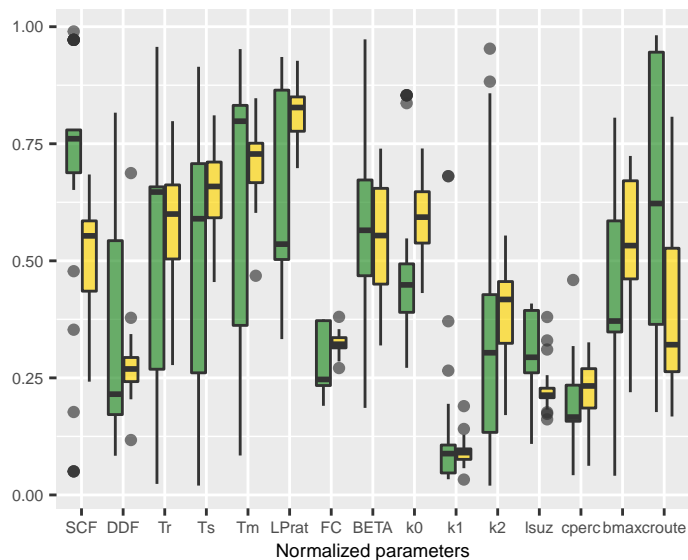


Model parameter distributions comparison (ORBBA)

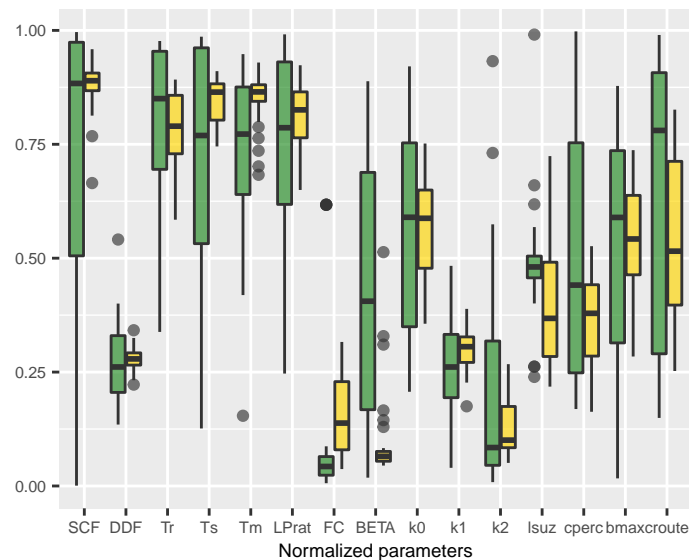




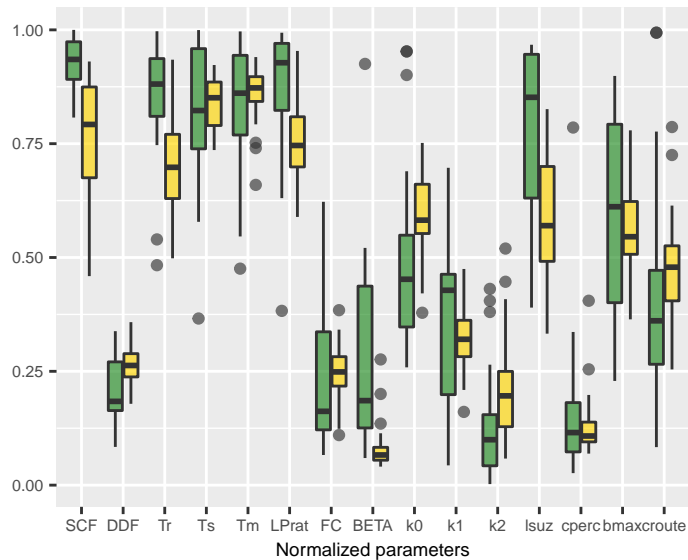
Model parameter distributions comparison (ORBCA)



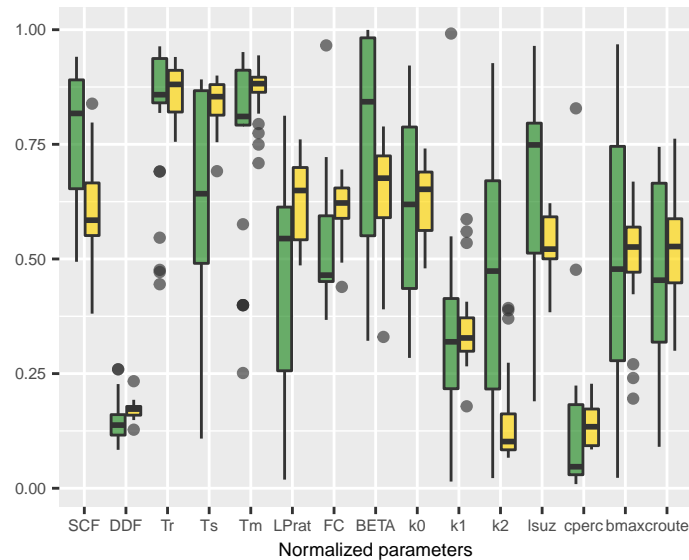
Model parameter distributions comparison (ORCCU)



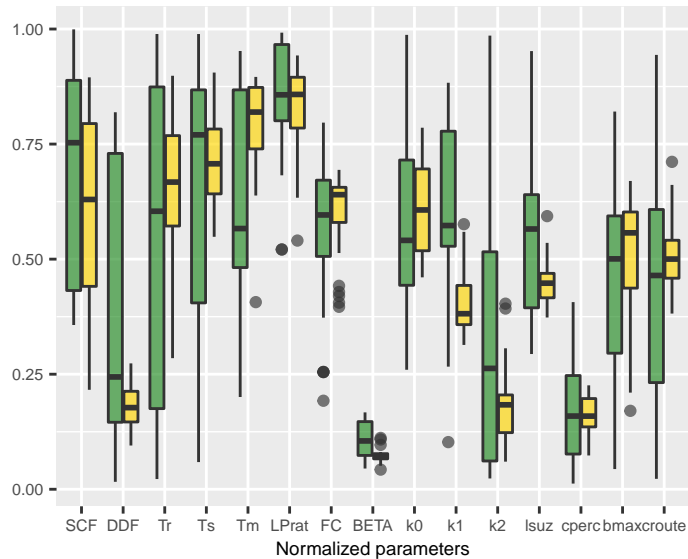
Model parameter distributions comparison (ORCSB)



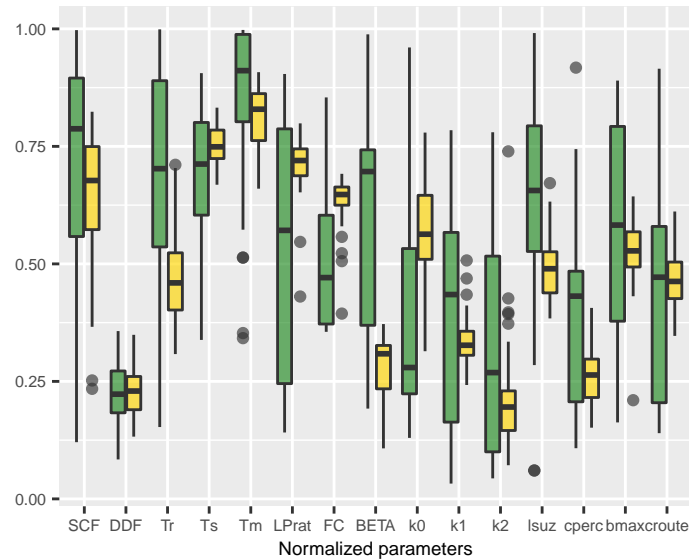
Model parameter distributions comparison (PELVI)



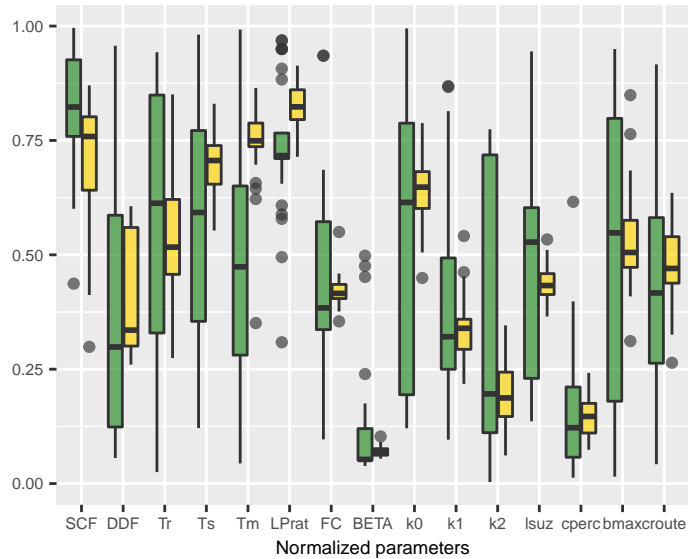
Model parameter distributions comparison (POCA)



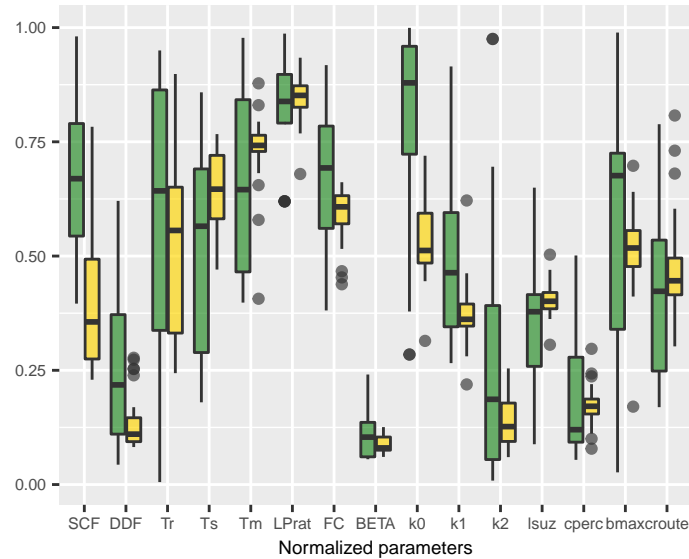
Model parameter distributions comparison (POCM)



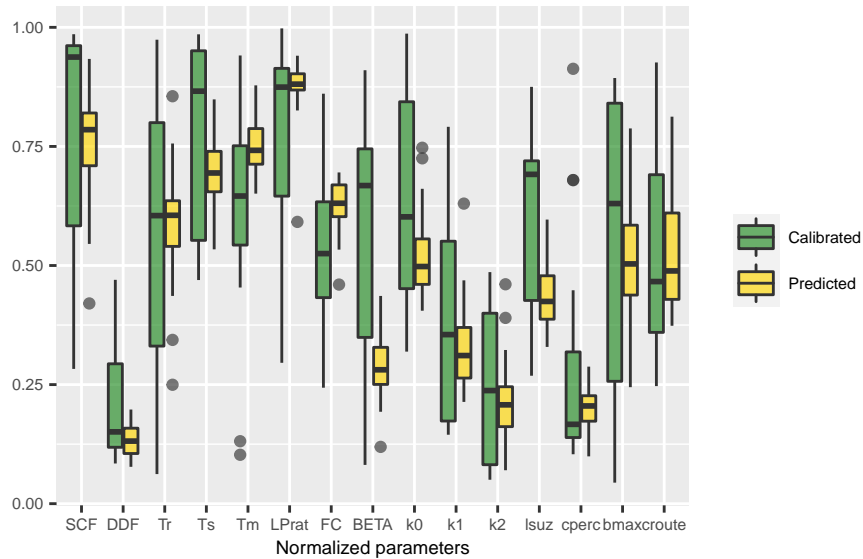
Model parameter distributions comparison (POIS)



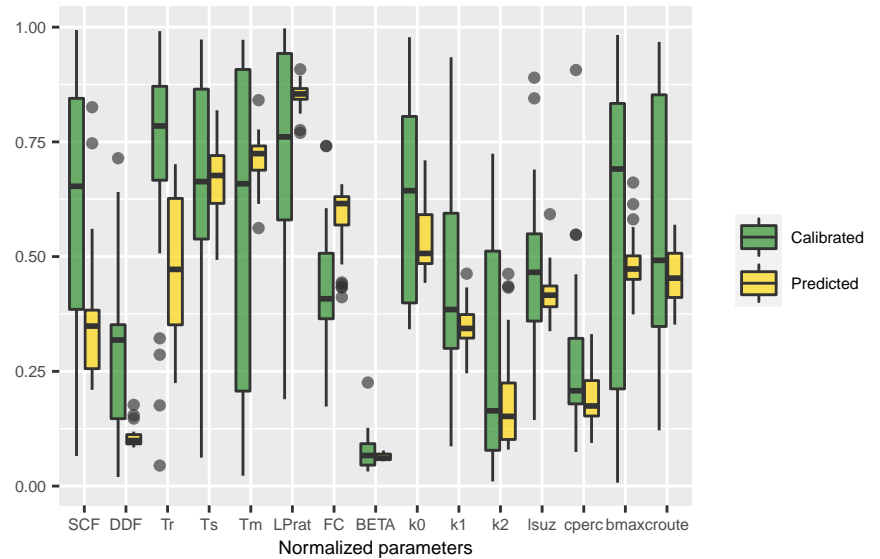
Model parameter distributions comparison (POMO)



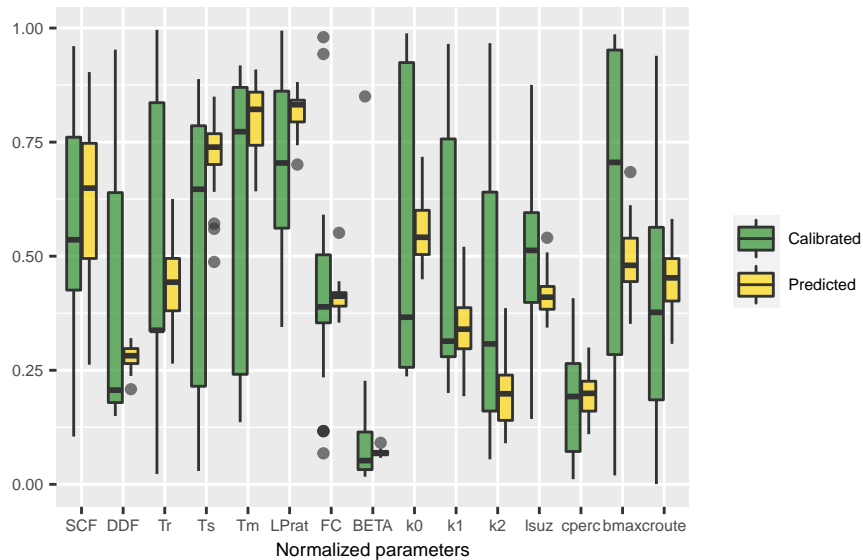
Model parameter distributions comparison (POSS)



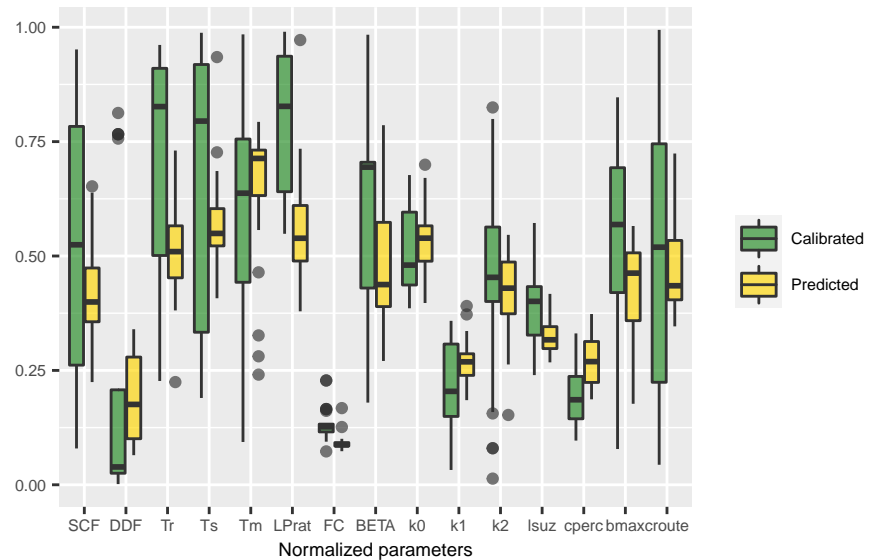
Model parameter distributions comparison (POTO)



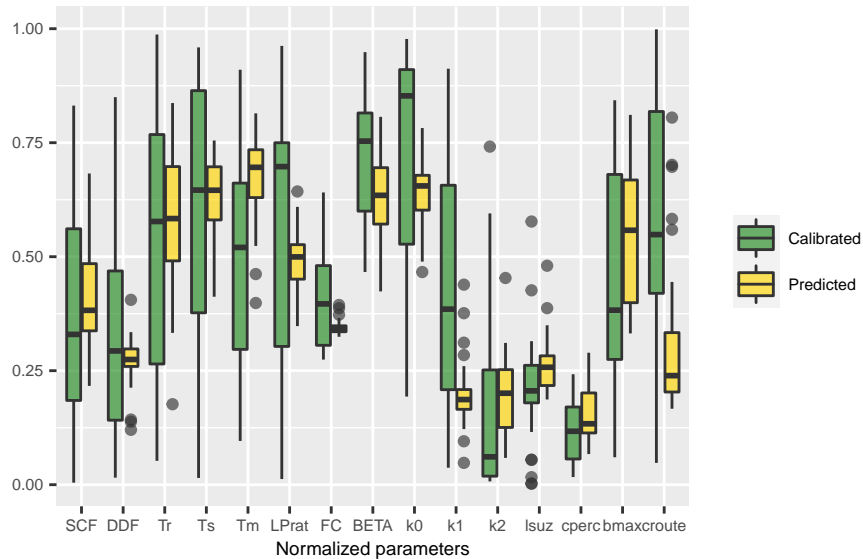
Model parameter distributions comparison (POVA)



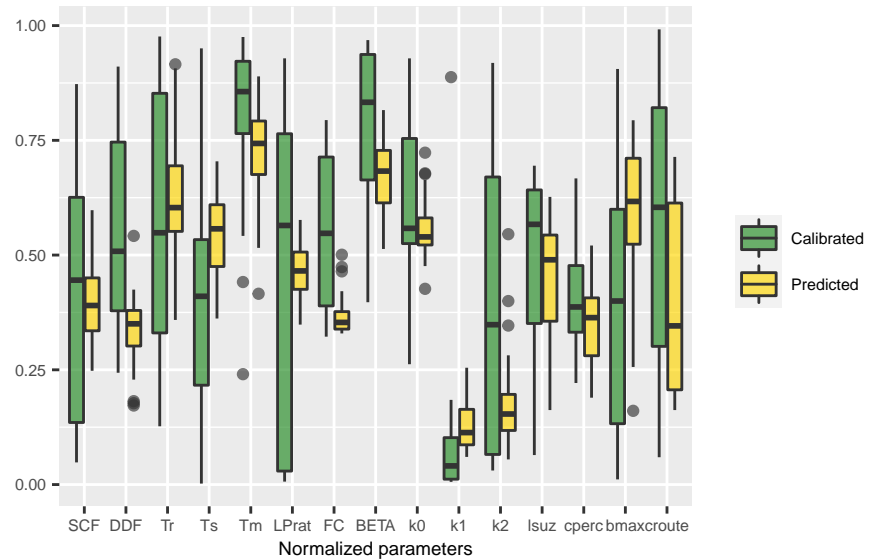
Model parameter distributions comparison (SANMO)



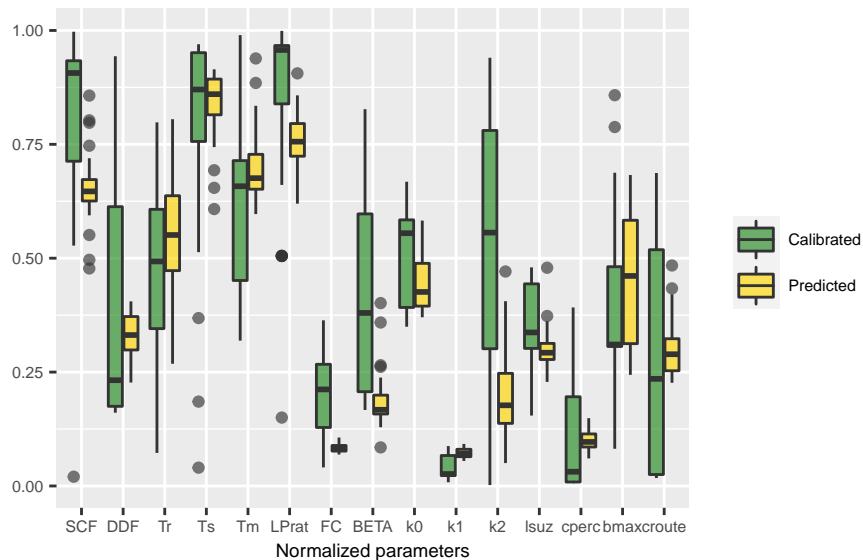
Model parameter distributions comparison (SCRGU)



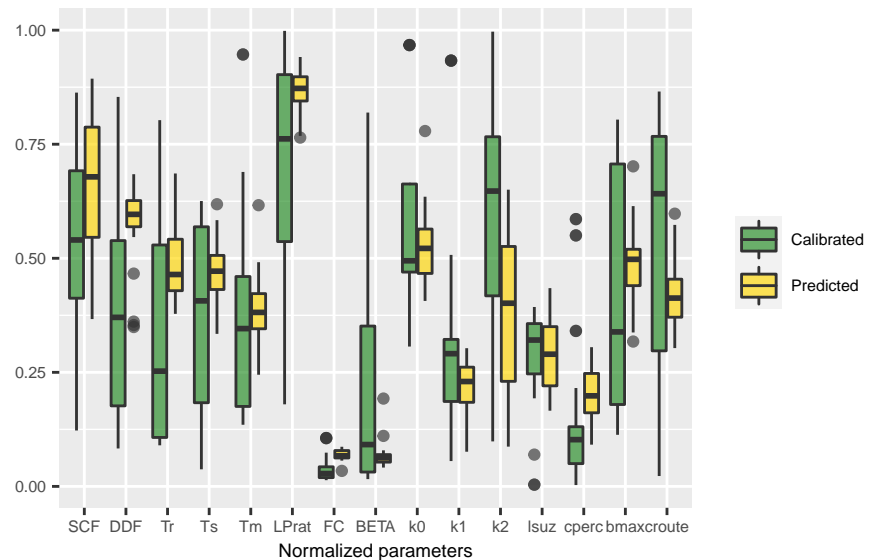
Model parameter distributions comparison (SCRSE)



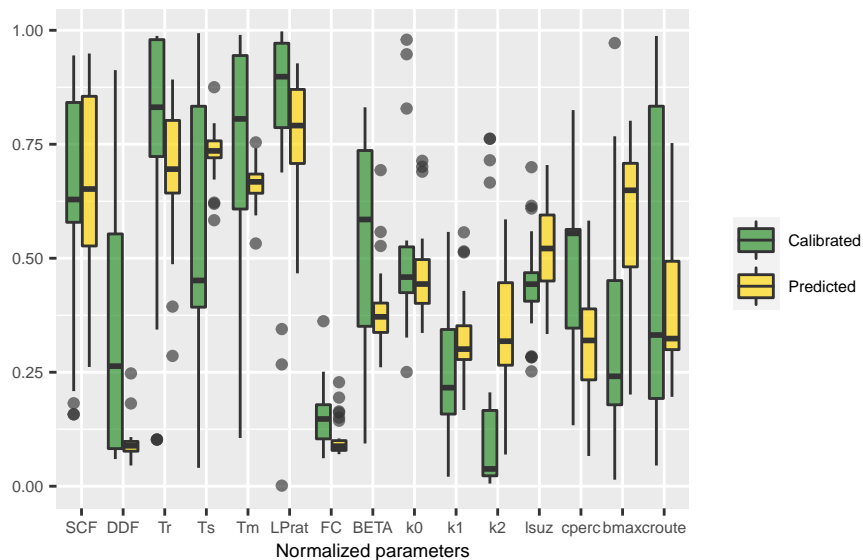
Model parameter distributions comparison (SESBO)



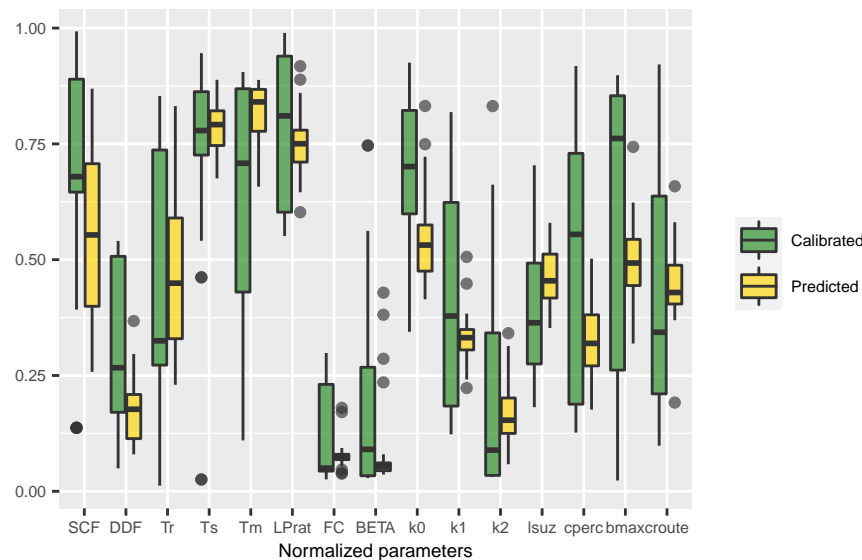
Model parameter distributions comparison (SESPA)



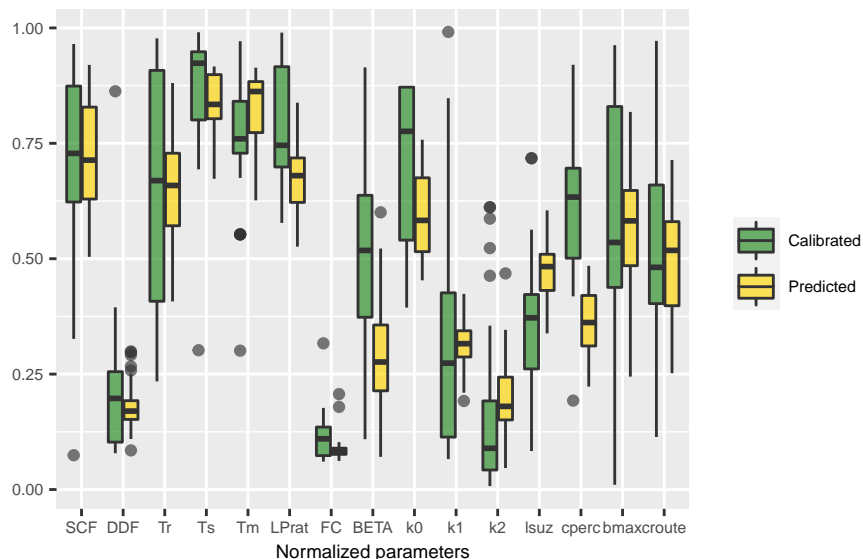
Model parameter distributions comparison (SGIVE)



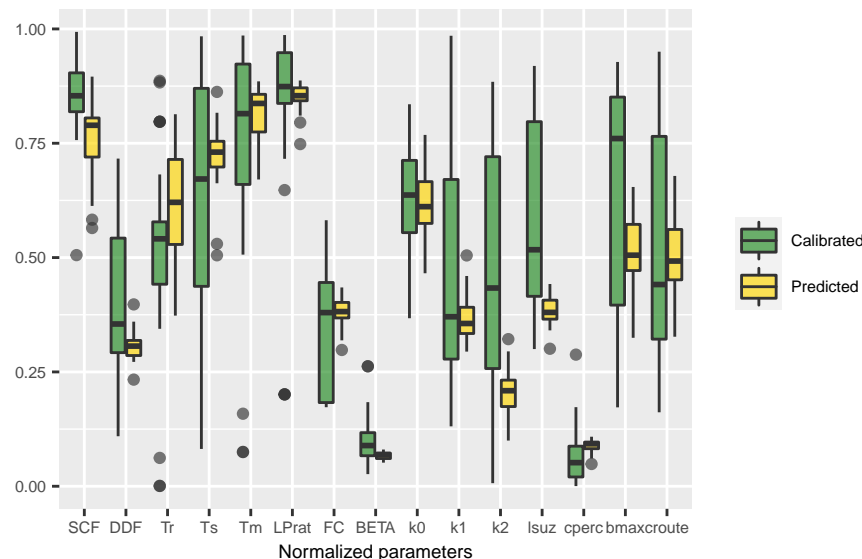
Model parameter distributions comparison (SLATO)



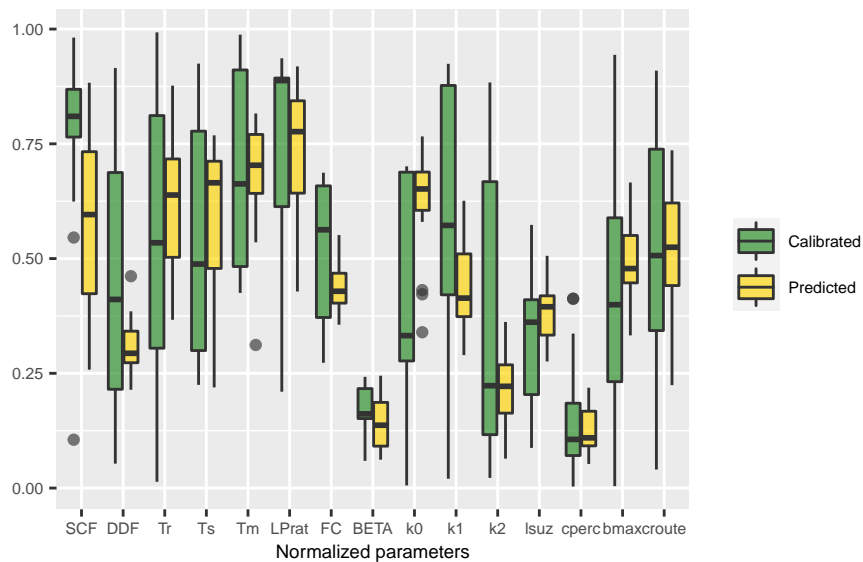
Model parameter distributions comparison (SVIGE)



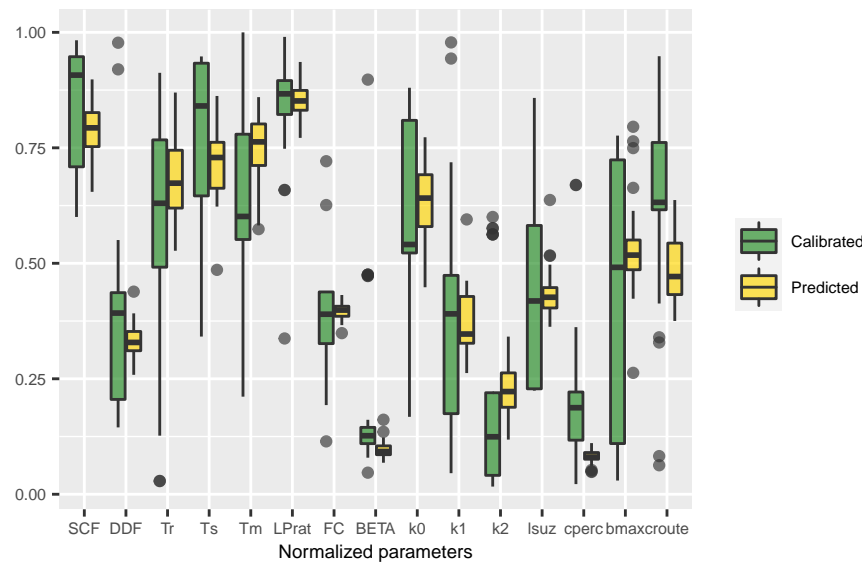
Model parameter distributions comparison (TANAB)



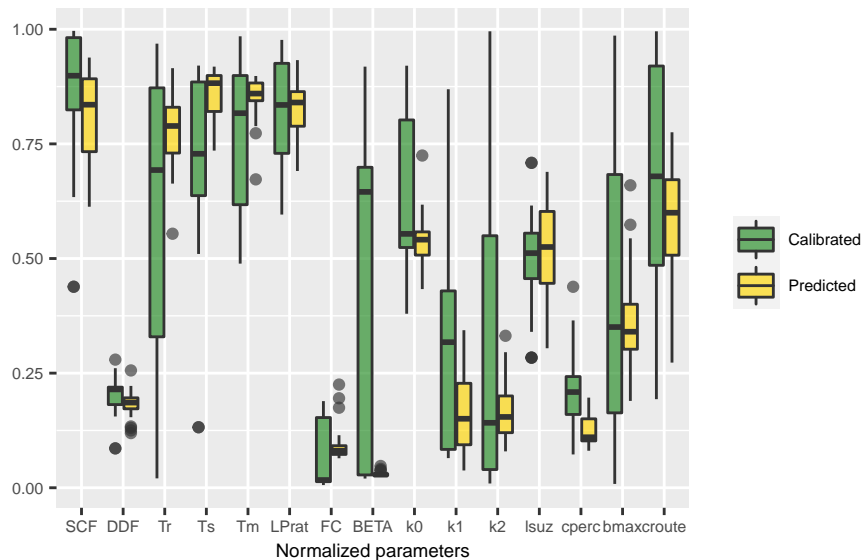
Model parameter distributions comparison (TANAL)



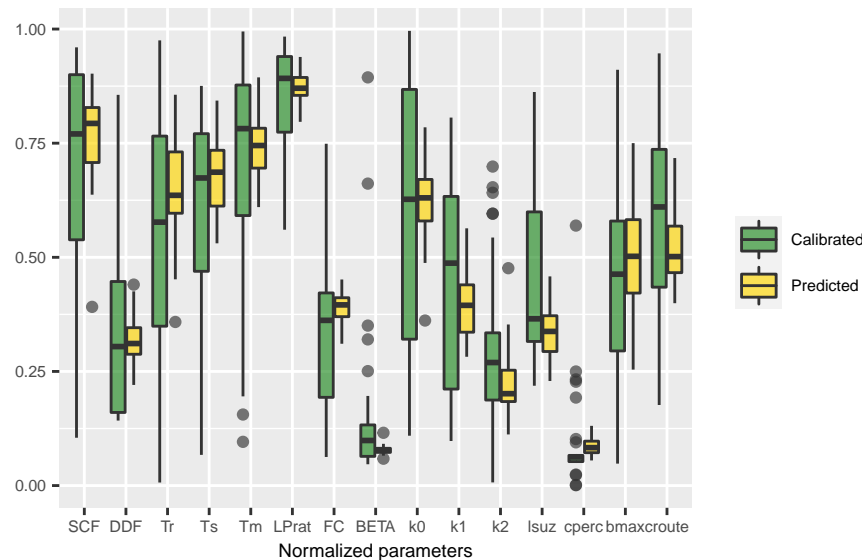
Model parameter distributions comparison (TANAS)



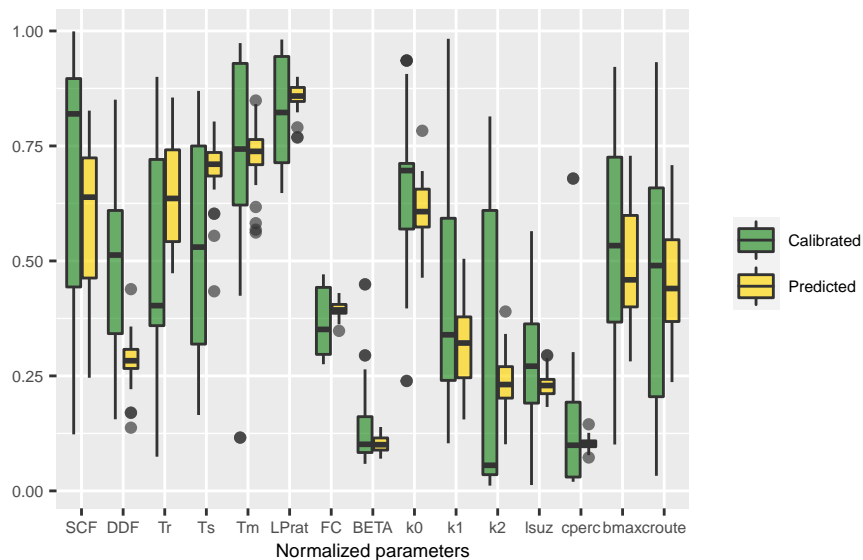
Model parameter distributions comparison (TANGA)



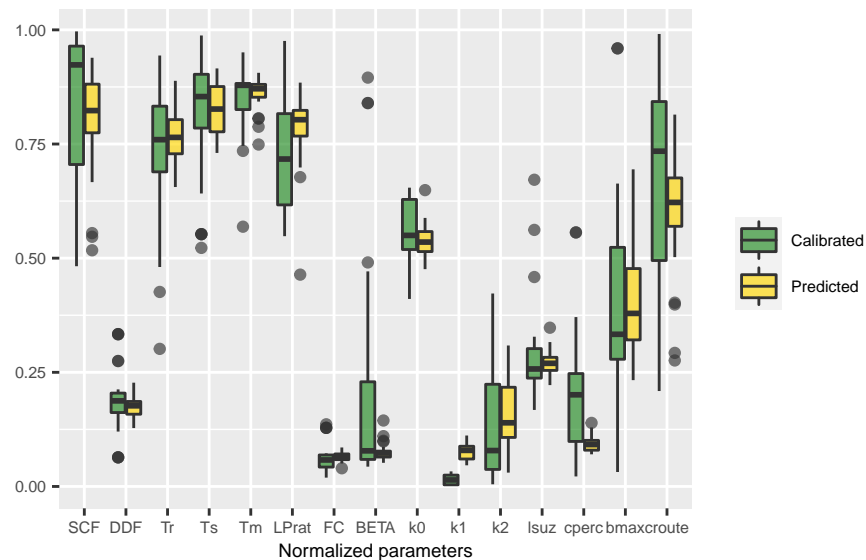
Model parameter distributions comparison (TANMA)



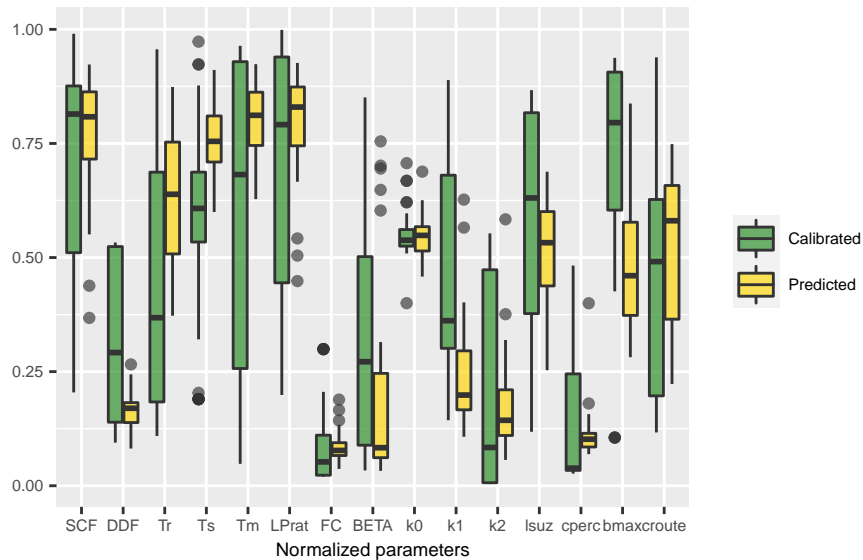
Model parameter distributions comparison (TANMO)



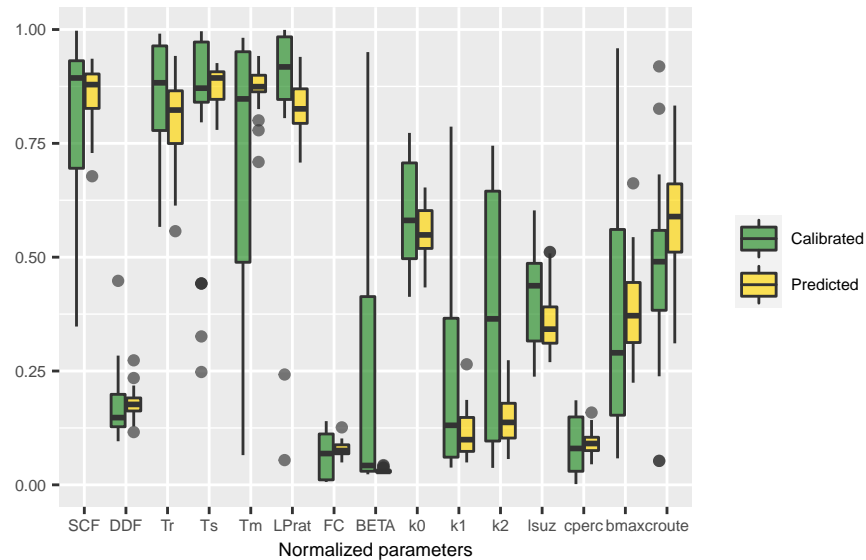
Model parameter distributions comparison (TANNU)



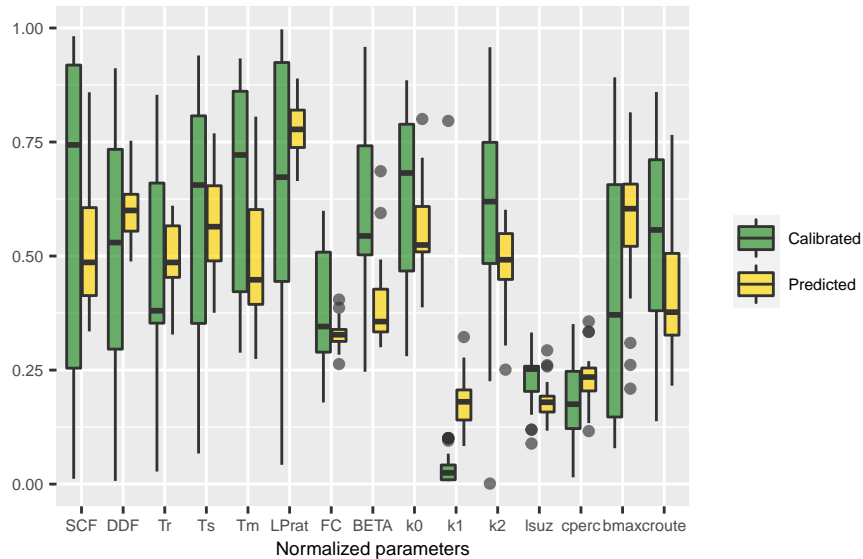
Model parameter distributions comparison (TANPI)



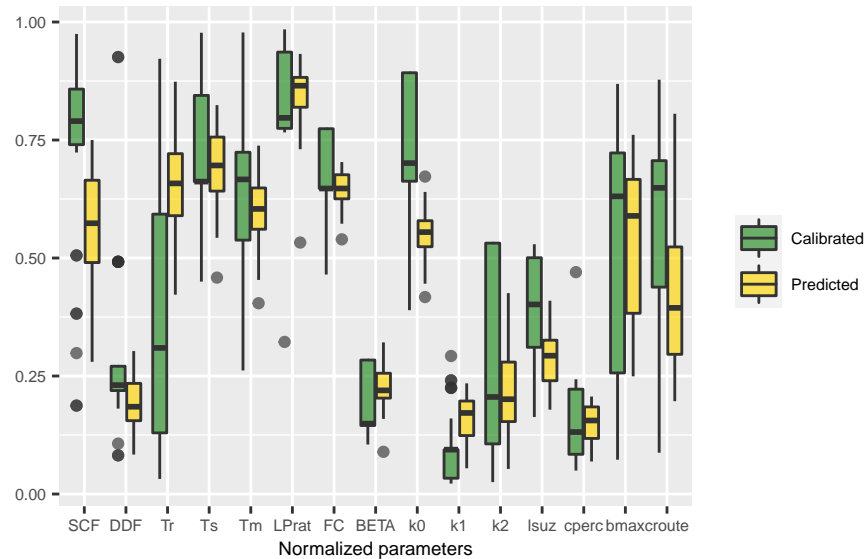
Model parameter distributions comparison (TANPN)



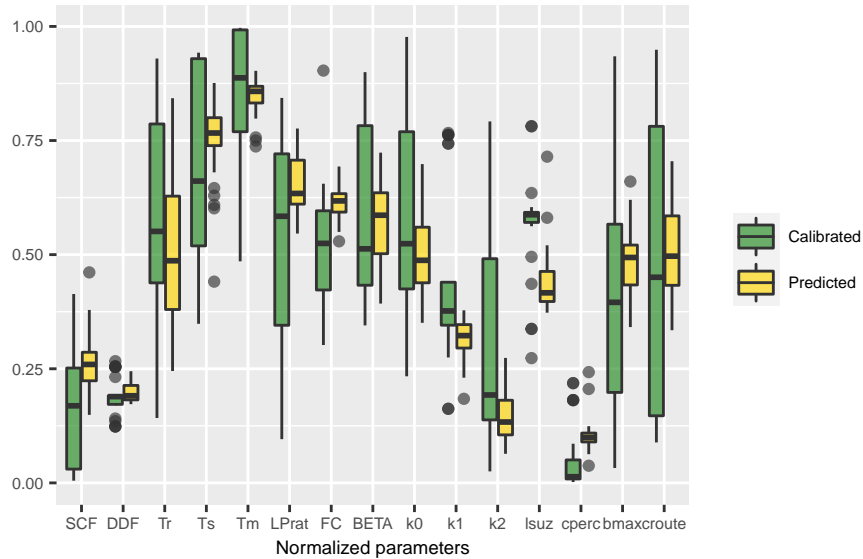
Model parameter distributions comparison (TERCA)



Model parameter distributions comparison (UZZCO)



Model parameter distributions comparison (VARPO)



Model parameter distributions comparison (VARRO)

