Soil moisture

Runoff (Q_r)

Precipitation (P)
Potential evaporation (PET)

Actual evaporation (E_Ta)

Recharge (R_ch)

Groundwater module

Baseflow (Q_r)

Groundwater

Medium GW system

Small GW system

Large GW system

Imported groundwater (G_Simp)

Surface water Reservoir

Reservoir outflow (Q_{out})

Imported reservoir water (Q_{imp})

Ecological flow (Q_{eco})

Groundwater abstractions (A_{gw})

Environmental water demand

Reservoir abstractions (A_{res})

Anthropogenic water demand