

## Climate forcing (time series)

Temperature  
Precipitation  
Potential evapotranspiration

PTQ.txt, evap.txt

**HBV**

## Hydrology output (time series)

Evapotranspiration, discharge  
Surface runoff  
Subsurface shallow + deeper flow  
Soil moisture  
Dynamic water storage

Results.txt, parameters.xml

## Biogeochemistry output

(time series)  
Solute concentrations  
Rates of kinetic reactions in  
surface, shallow + deeper zones  
xxx\_results\_xxx.txt

## Initial conditions

Porosity  
subsurface depth  
Passive water storage  
Subsurface chemistry  
init.txt, soil.txt

**BioRT**

## Precipitation chemistry

Input (time series)  
Precipitation chemistry  
precipitationchem.txt

## Reactions

Reaction types + stoichiometry  
Reaction thermodynamics  
Reaction kinetics (rate law)  
Solutes (reactants + products)  
chem.txt, cdb.txt