

Model	Discretization scheme	Infiltration/subsurface flow	Surface flow	Topographic representation
CATHY	Finite element	Richards' equation	Diffusive wave	Regular grid
SWAT	Subwatershed	Tipping bucket	Soil Conservation Service (SCS)	Homogeneous hydrologic units
TOPKAPI	Finite difference	Kinematic wave	Kinematic wave	Regular grid
tRIBS	Finite difference control volume	Modified Green–Ampt	Kinematic wave	Triangulated irregular network
WASIM	Finite difference	Richards' equation	Kinematic wave	Regular grid