Various models and tools are being used and developed:

- Rainfall runoff models: TANK, SSARR, NAM, SWAT, HEC-HMS, HEC-RESSIM. HYPE, VIC

- Water balance Models: MIKE BASIN, MIKE SHE, MITSIM, REBASIN, WEAP…

- Hydraulic model: VRSAP,MIKE11, MIKE 11 GIS, MIKE21, MIKE FLOOD, ISIS, SOBEK, WENDY, TELEMAC-2D...
- Water Quality: QUALL2, MIKE BASIN-WQ, MIKE 11 WQ, MIKE EcoLab

- GroundWater Models: GWM, Modflow, GMS, iMOD

- GIS and RS tools: ArcGIS, Mapinfo…