	Setup	Calibration and validation*	Simulation	Data assimilation	Data assimilation
	topography land cover	water level velocity flood extent	water level velocity	water level velocity	flood extent
Temporal coverage	discrete	discrete/continuous	continuous	variable	variable
Spatial coverage	distributed	discrete/distributed	discrete	discrete	unknown
Uncertainty	the lower the better				
Volume	the higher the better				

* Dependent on purpose of the model.