
Types of Models:

Conceptual.....Mathematical

Static.....Dynamic :*TIME*

Lumped.....Spatially Distributed: *SPACE*

Stochastic.....Deterministic

Abstract.....Physically / Process Based

but biggest differences may often be the degree specific
processes / parameters are accounted for

STEPS: Modeling for Problem Solving in ES

1. Clearly define your goal (question you want to answer, hypothesis you want to test, prediction you want to make) - as precisely as possible
2. Design or Select your model
3. Implement the model
4. Evaluate the model and quantify uncertainty
5. Apply the model to the goal
6. Communicate model results