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