

Verseghy reflections

(Echo in part comments
made by Seglenieks and
Pomeroy)

- Remember the spatial scale you are aiming for. (What processes are negligible at the scale of kilometres; what can be simply parameterized.)
- Remember the temporal scale you are aiming for. (Hydrological models may operate at daily time steps, but atmospheric models operate at steps of 30 minutes or less.)

Keep in mind the questions you are trying to answer when you build parameterizations or discretize the landscape. What systematic errors will be introduced and can you live with them? (E.g. difference in snow modelling for avalanche prediction, and for climate modelling.)

- Parameterizations must be portable, and not rely on large amounts of unmeasurable data. (Tied to parameters that can be observed or estimated at km scales.)
- Consider sub-grid scale variation of inputs; e.g. effect of blowing snow redistribution on snowfall.