

# Final Take Home Messages

## 4 Things to Remember

Scenario 1

Scenario 2

Scenario 3

1. Understand the model well enough to draw a crude schematic – what drives it (variables), what are the key parts, what output can it provide. Put the Schematic on your wall. Read the provided information. It shouldn't be a complete black box.
2. Evaluate yourself (or your needs) and then the model. Do this. Don't wait until you are forced to evaluate the model predictions.
3. If the model is lacking in some regard, use the self-calibration techniques (FVS, ORGANON), or the simple library scalers (FPS).
4. If you need to do more, get some help for the mechanics of calibrating/re-fitting...but understand what is done.



## 2 More Things

### 2 More Things to Consider

Scenario 1

Scenario 2

Scenario 3

1. **Inventory – Design it Well, measure species and DBH, subsample Height, Crown Ratio, and other variables that DRIVE your model. Measure Site Trees. This is not a one time effort.**
2. **Growth Plots – put a few out. Find some friends, have them put a few out. You'll be happy you did at some point.**

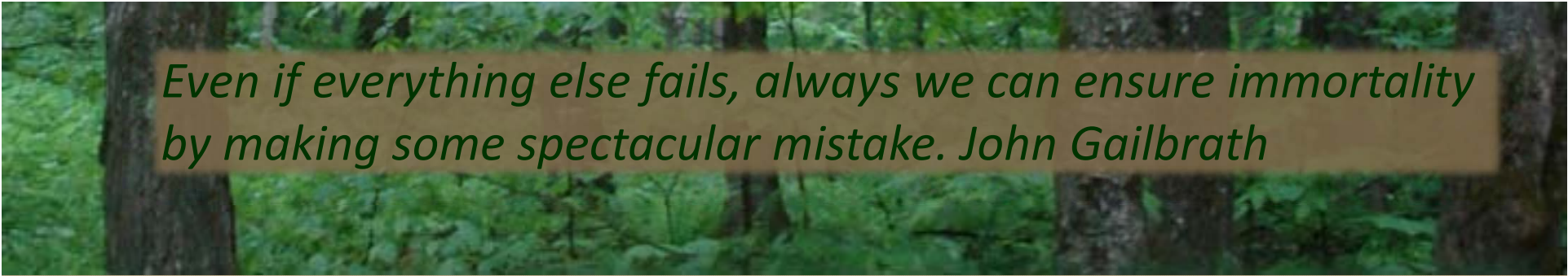


# Supplemental Material

## Suggested References

- Burkhart, H. and M. Tome'. 2012. Modeling Forest Trees and Stands.
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- Burk, T.E. 1986. Growth and Yield Model Validation: Have you ever met one you liked? Data management issues in forestry: proceedings of a computer conference and Third Annual Meeting of the FORS Institute. April 7-9, 1986 Atlanta.
- Ellenberg, J. 2014. How Not To Be Wrong, The Power of Mathematical Thinking. The Penguin Press.
- Iles, K. 2003. A Sampler of Inventory Topics. Self-Published
- Robinson, A. and J. Hamann. 2011. Forest Analytics with R..
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- Weiskittel, A., et al. 2011. Forest Growth and Yield Modeling





*Even if everything else fails, always we can ensure immortality by making some spectacular mistake. John Gailbrath*

***Thank you***



*It is difficult to make predictions, especially about the future. K.K. Steincke*