

Climate Change Working Group

Doug Shinnemann, Jessica Price, George Gertner, Robert Scheller, Craig Nitschke

After much discussion, we compiled a list of what we see as the highest priorities:

1. Better integration--an integrated 'climate source,' operating on daily and monthly time steps would be useful. This way, the core and each extension could draw climate information from a single source.
2. The ability to model drought mortality via temporally variable precipitation and extreme drought events.
3. Reproduction--sprouting, seed dispersal, and masting in response to climate variables.
4. Moisture Saturation. We can't always assume that the consequence of climate change will be a reduction in soil moisture.
5. More targeted harvesting which would allow adaptive harvesting over time, such as the ability to select an overall goal in harvesting (such as achieving particular age class distributions or biomass levels, or maximize species composition). This would improve upon our current method of adaptive modeling whereby we stop the model to look at output and adjust.