1. Simulator passes unit test?
2. no | yes → Model passes unit test?
3.   no | yes → Operators pass unit test?
4.   no | yes → Perform well calibrated study -- coverage OK?
5.   no | yes → Perform sensitivity study under different models
6.   or → Report results
7.   Minimum ESS < 100?
8.   no ↓ yes → run MCMCs longer, goto 4
9.   Are tree heights recoverable?
10.   no ↓ yes → Fix hasting ratios or model implementation. goto 4
11.   Simulate trees with tree heights of 0.5 substitutions. goto 4
12.   Fix code, goto 3
13.   Fix code, goto 2
14. Fix code, goto 1