









Huismans and Beaumont, Nature 2011

ENAM Workshop

- 1. Relative roles of inheritance in each stage of lithospheric evolution
- 2. What did the young Appalachian orogen look like? (And subsequent temporal evolution?)
- 3. How do we reconcile crustal record with present-day mantle structures?
- 4. Do crust and mantle evolve independently?
- 5. Where do different regions fit in the spectrum of modern rifting behavior?
- Evolution of Phanerozoic lithosphere in the absence of obvious tectonic drivers? e.g. lithospheric instability – Harrisonburg, New England, Florida anomalies
- 7. What is the role of large-scale mantle flow in lithospheric stability/structure?
- 8. Topographic evolution separating mantle influences vs. many other factors (dynamic, isostatic, climate, stream capture, etc.)