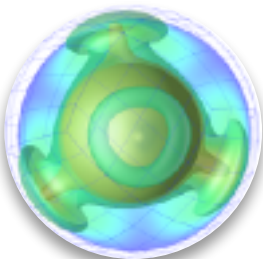
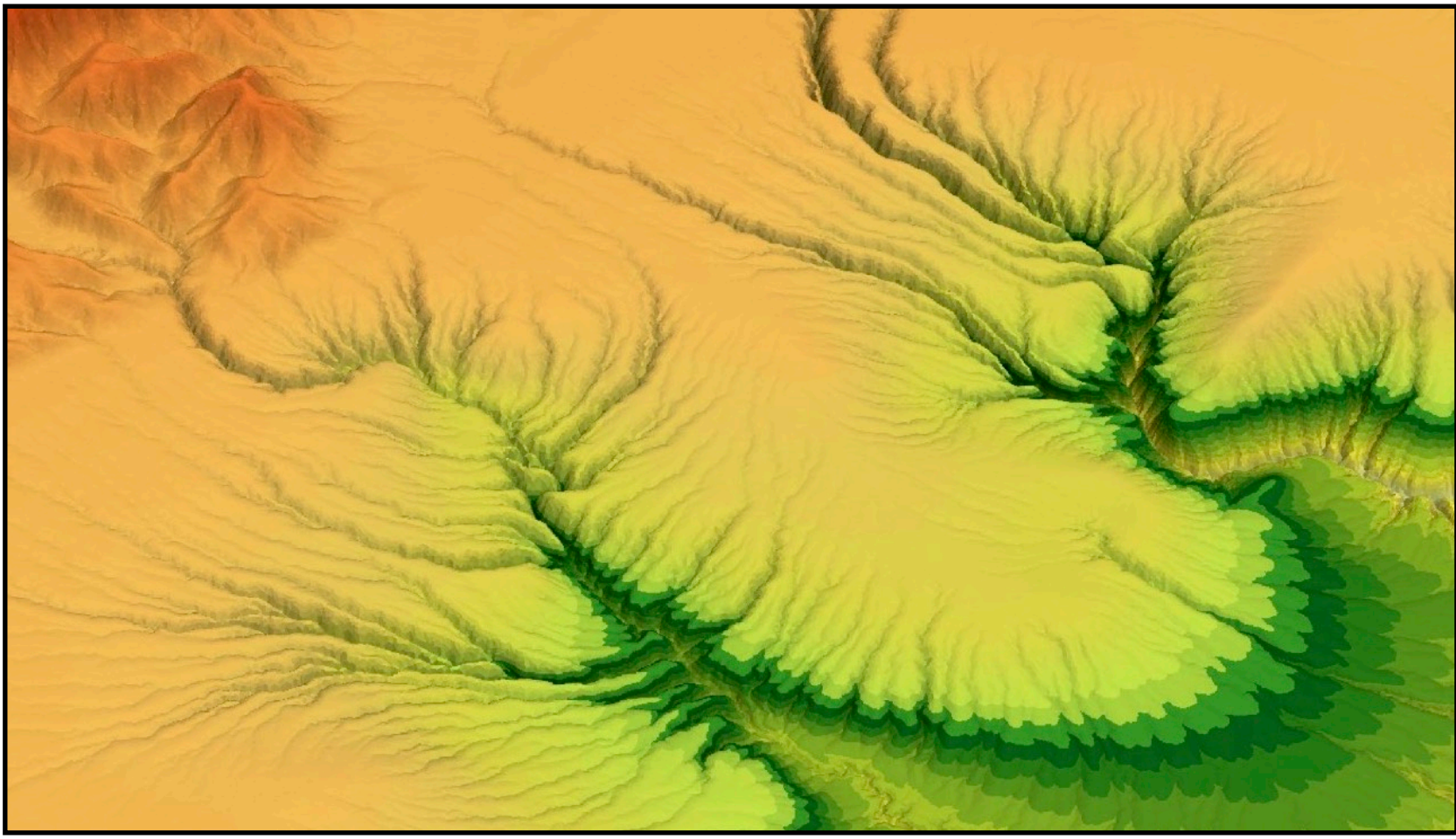


Our Experimental Virtual Earth with SPN





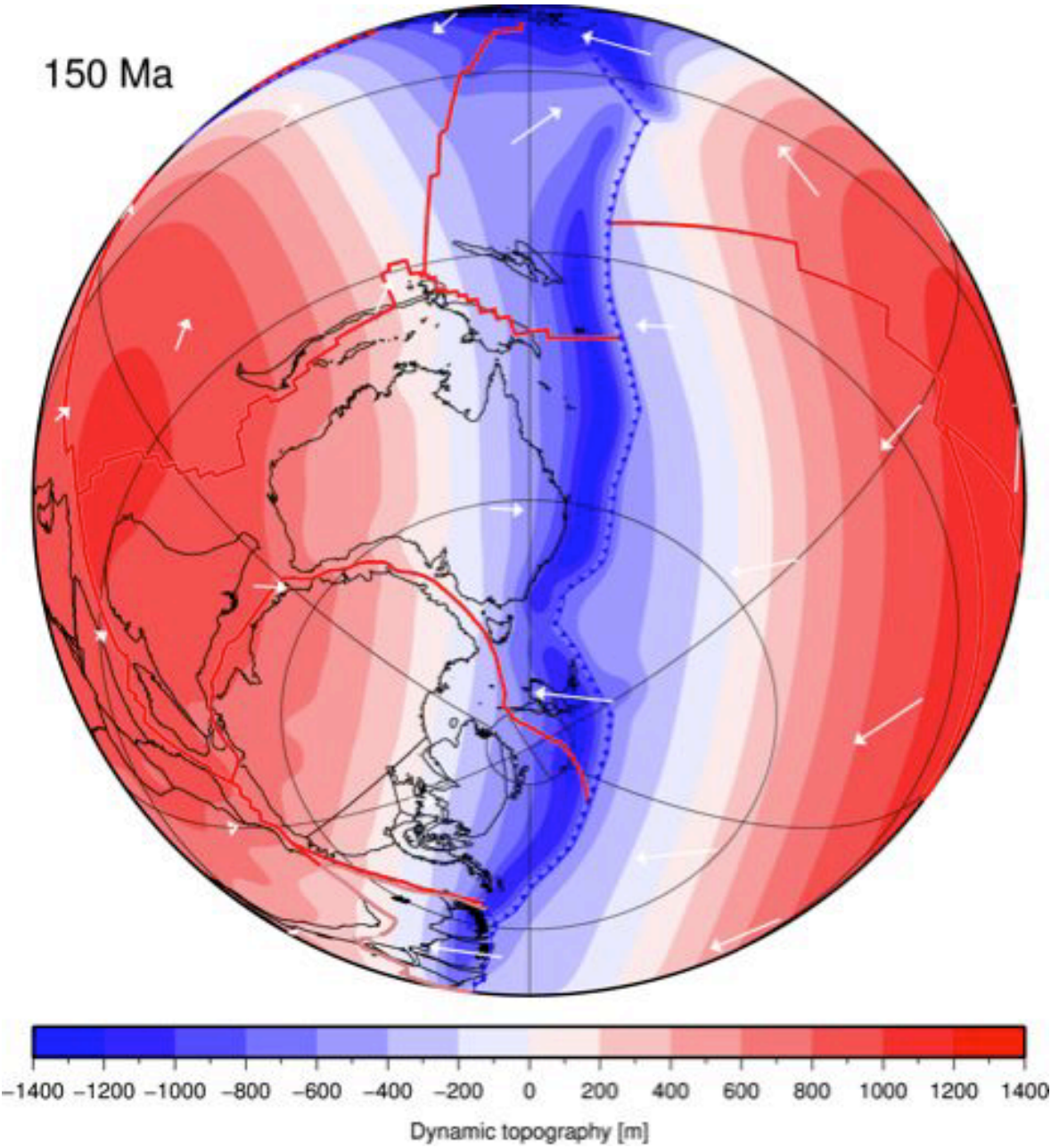
Citcoms

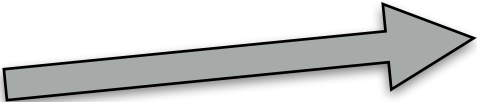


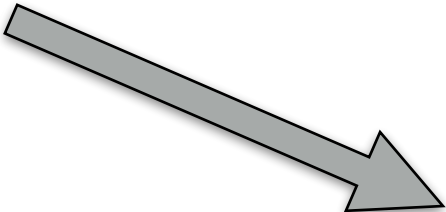
Badlands

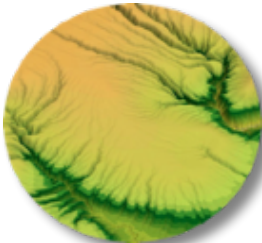
- precipitation
- paleo-topography +
- sediment thickness
- paleo-environments
- denudation rate
- sea-level

150 Ma







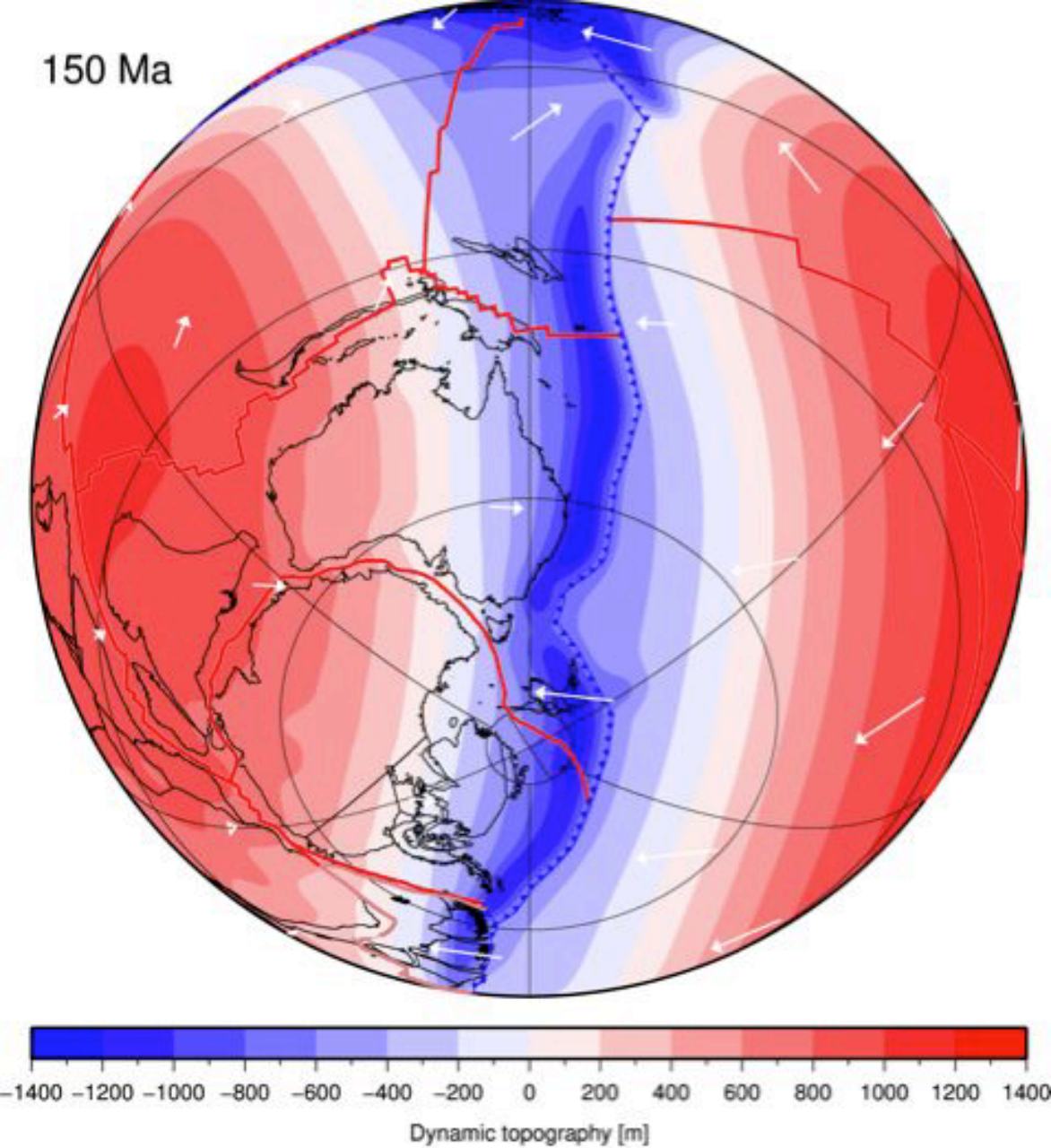


Dynanictopography

mantle convection

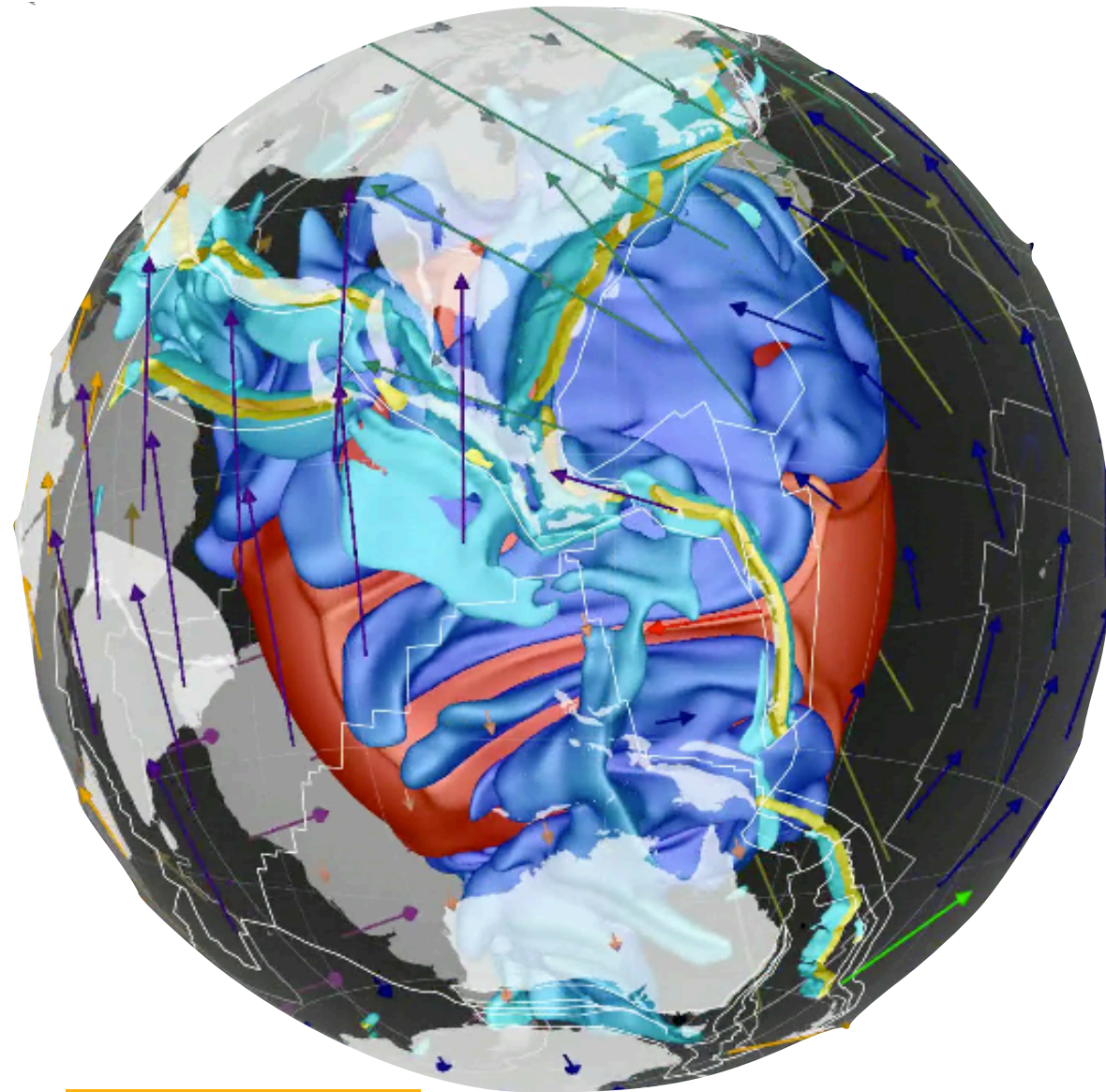
Landscape evolution

150 Ma

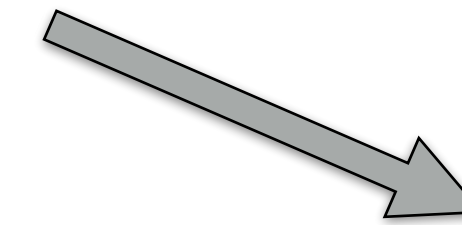
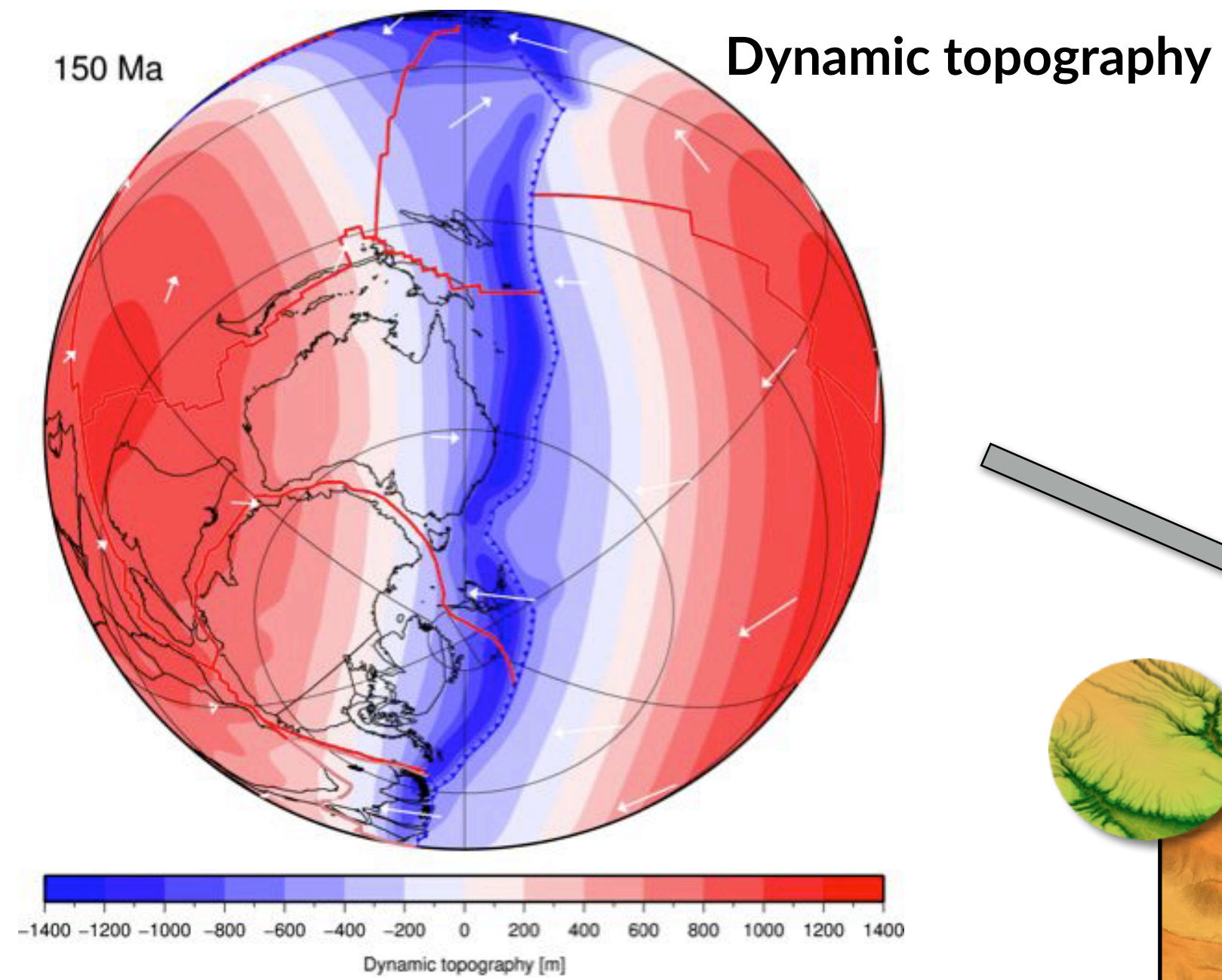
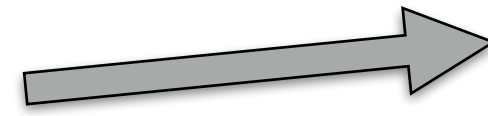


Our Experimental Virtual Earth with SPM

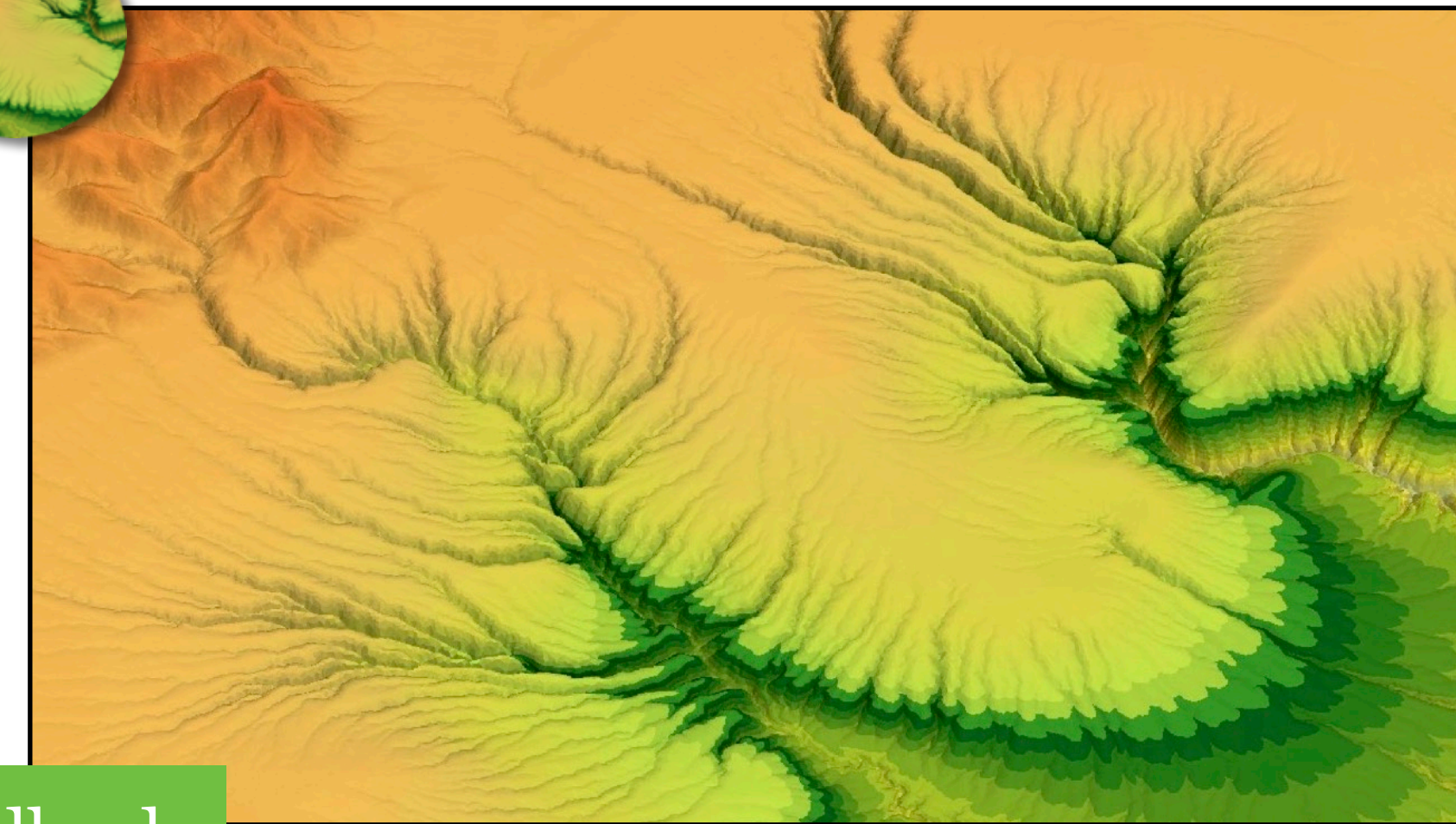
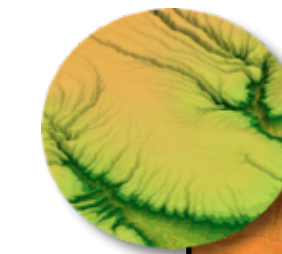
Mantle convection



CitcomS



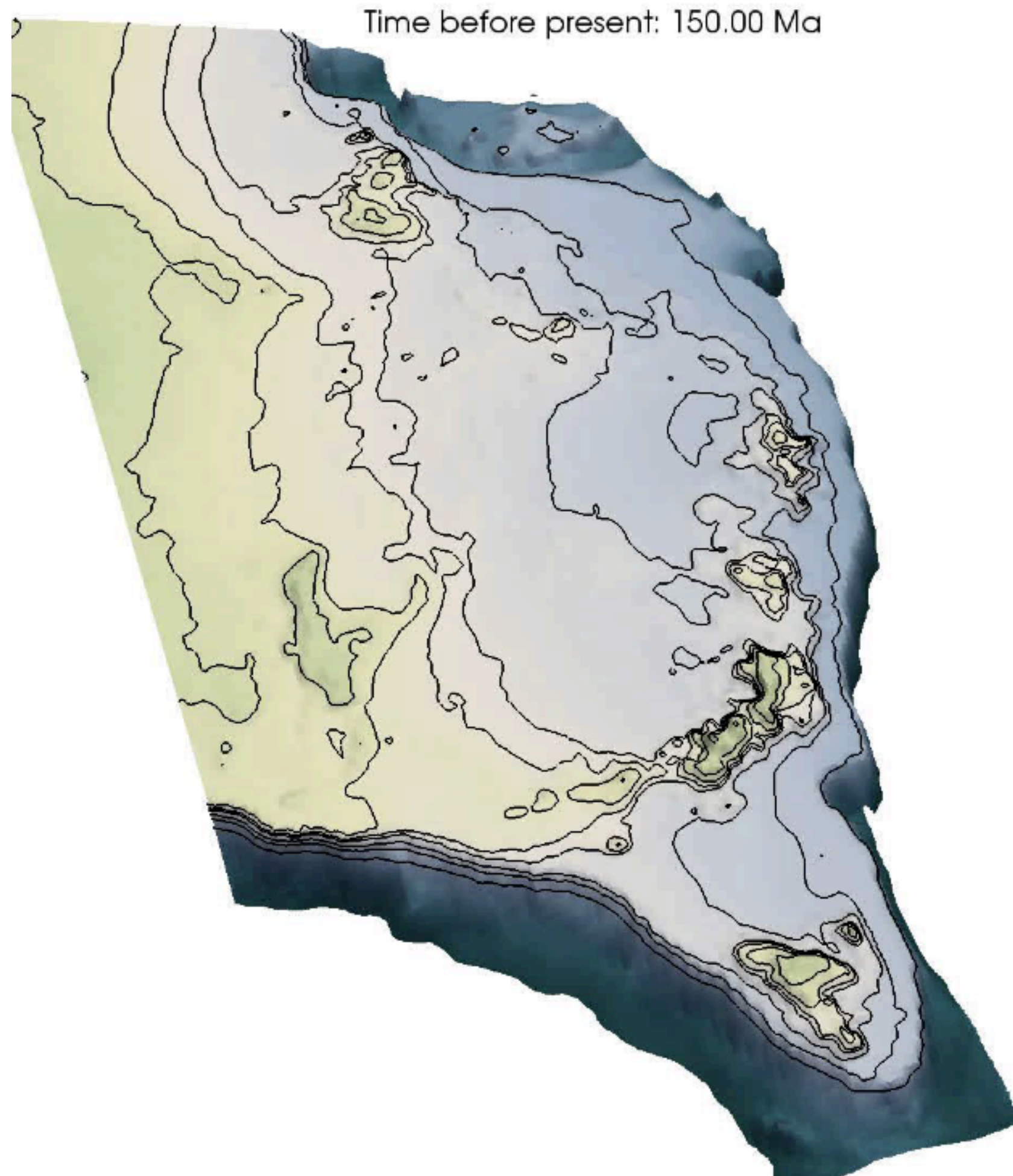
Landscape evolution



Badlands

- precipitation
 - paleo-topography
 - sediment thickness
 - paleo-environments
 - denudation rate
 - sea-level
- +

Model forcing parameters



- Initial condition at 150 Ma (constructed iteratively by a synthesis of published paleogeography, present-day topography, sed. thickness, eustasy and dynamic topography)
- Mantle-convection-driven dynamic topography through time
- Eustatic sea-level change
- Latitude-dependent precipitation