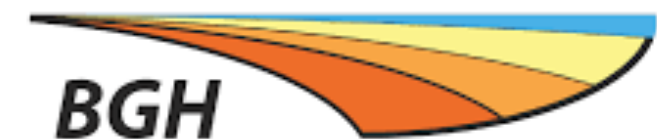
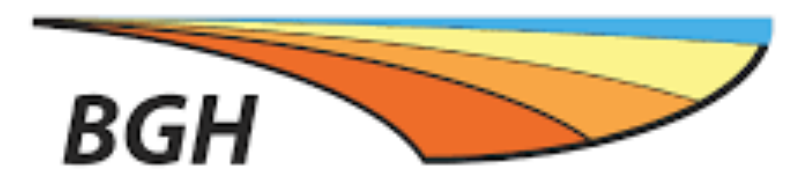


Influence of dynamic topography on the evolution of the Australian landscape since the Late Jurassic

Tristan Salles, Nicolas Flament, Dietmar Muller & Patrice Rey



Earth System Evolution



- Our knowledge about Earth's evolution usually compartmentalises the study of Earth's surface processes, tectonic plates, and the ductile deep interior
- How do deep Earth processes drive surface topography and environments through time?
- What can we learn from Earth's past and possible future paths from Earth modelling?
- We cannot observe the Earth back through time.
- Need to connect observations to 4D (space-time) geodynamic & surface processes models, in a plate tectonic context: need an “**experimental virtual Earth**”

