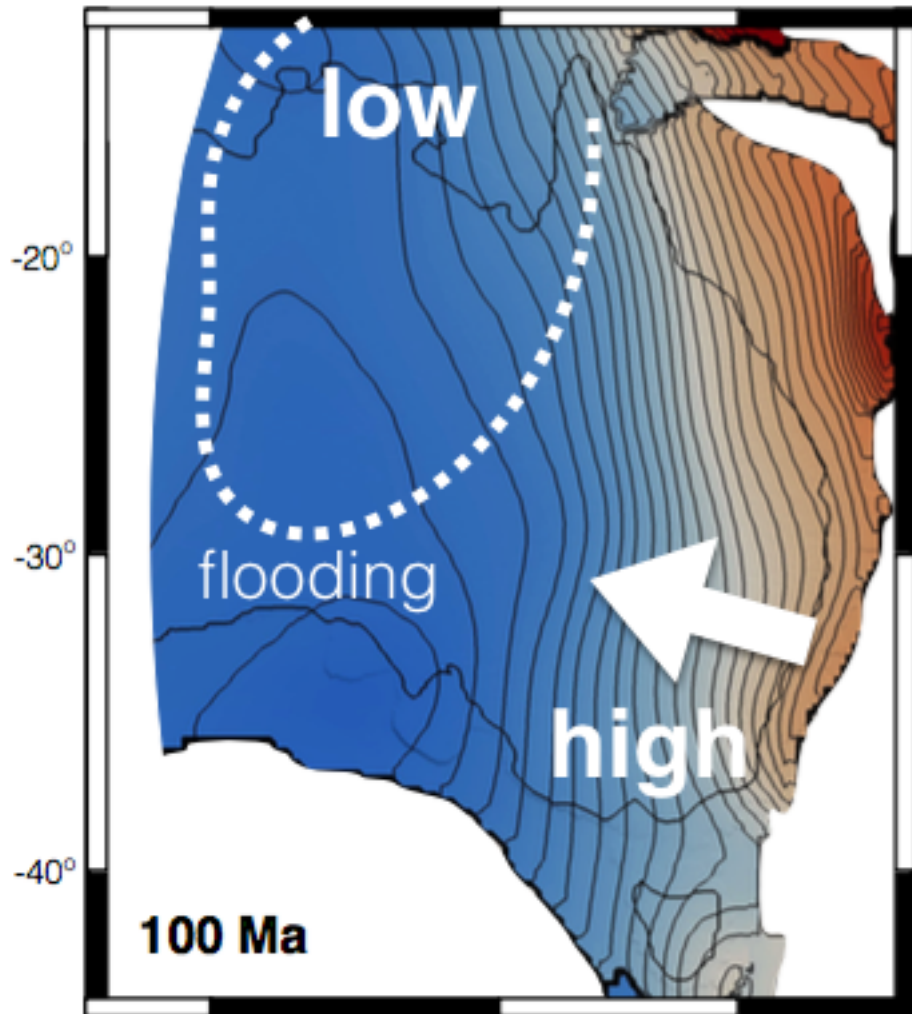


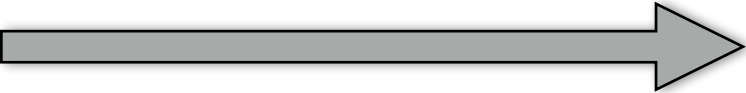
- It's difficult to get such a model to match paleo-shorelines mapped based on geological data
- Initial topographic condition at model starting time is uncertain
- Difficult to take into account regional crustal/lithospheric deformation, thickening or thinning, resulting in uplift (or subsidence)
- Cretaceous subduction history and mantle structure north of Australia is uncertain

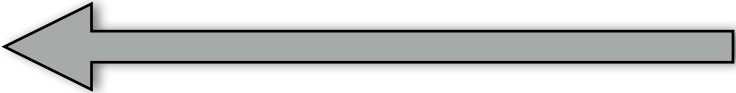
Landscapes – dynamic models – versatile data

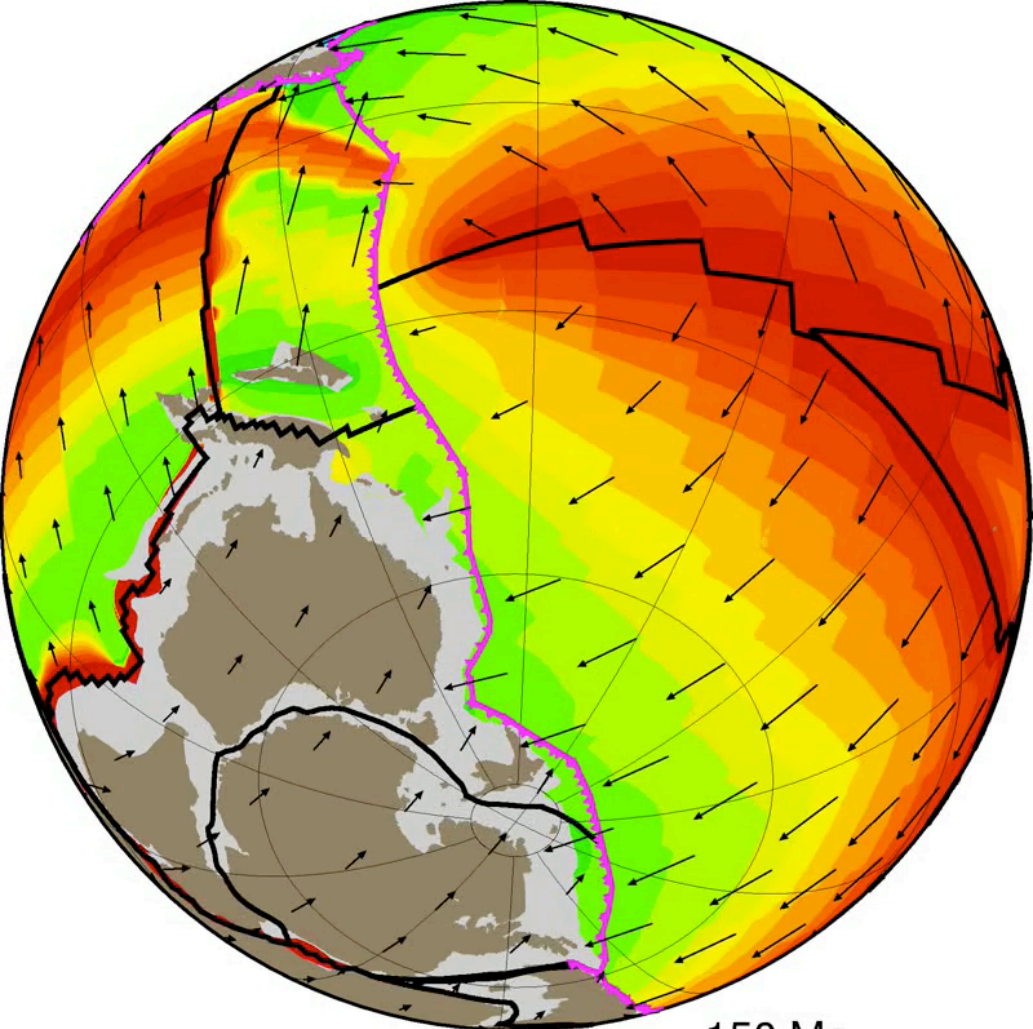
Paleo-environment map 90Ma (source: Goscience Australia)



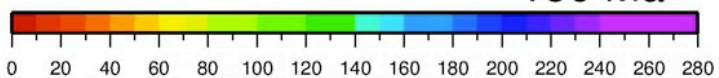








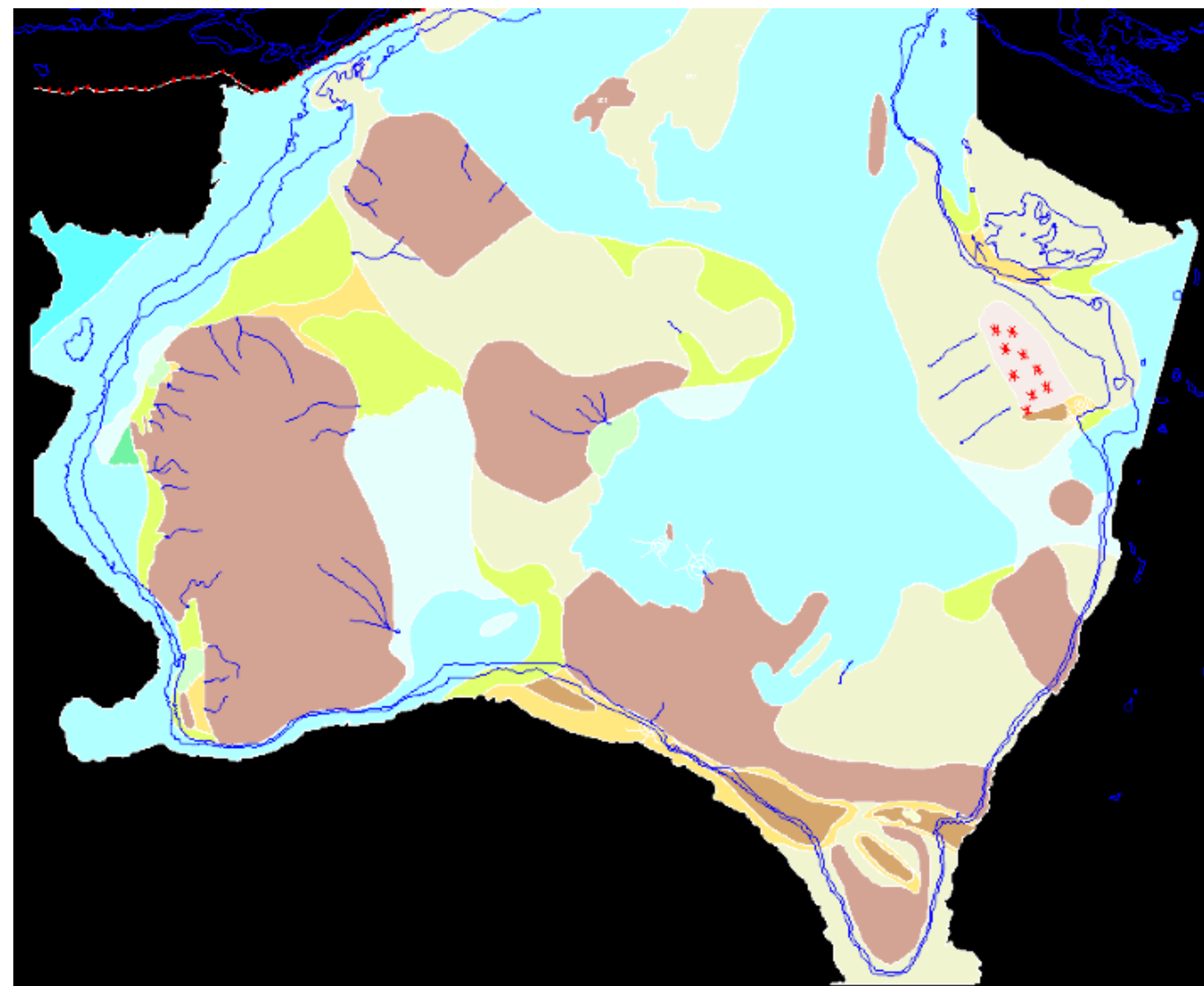
150 Ma



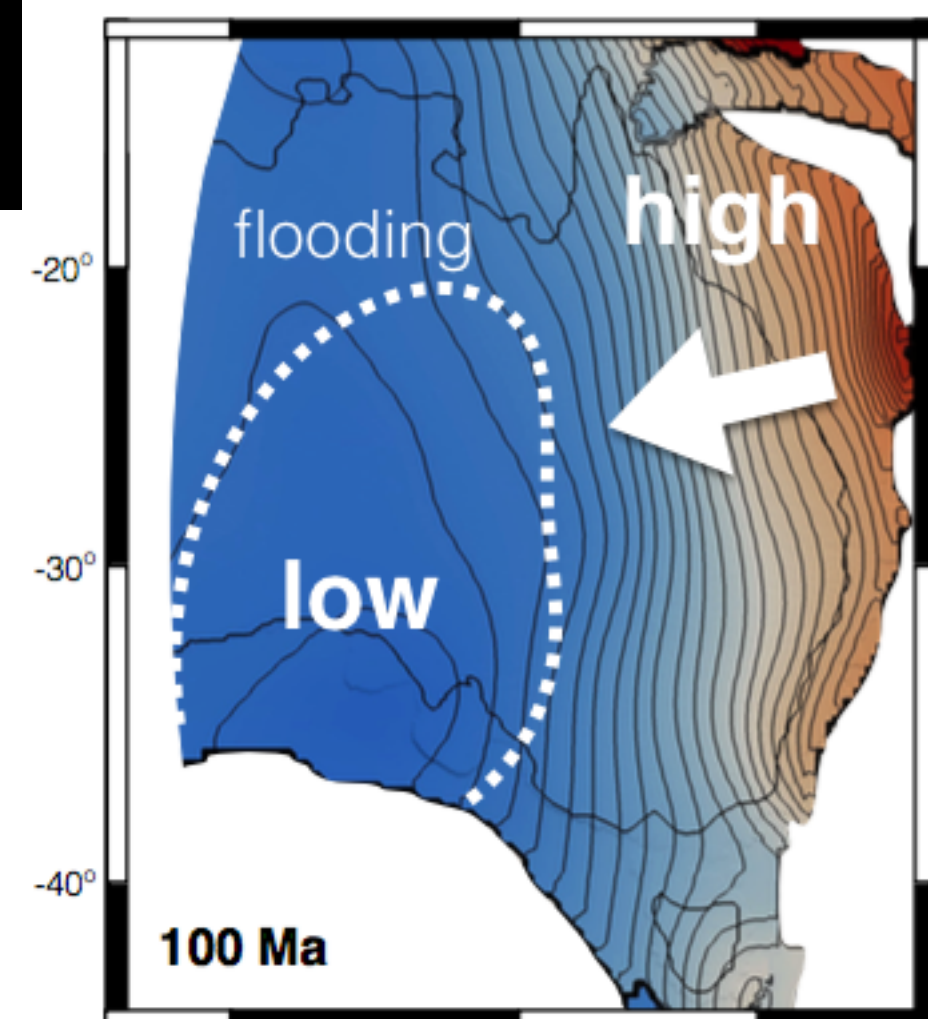
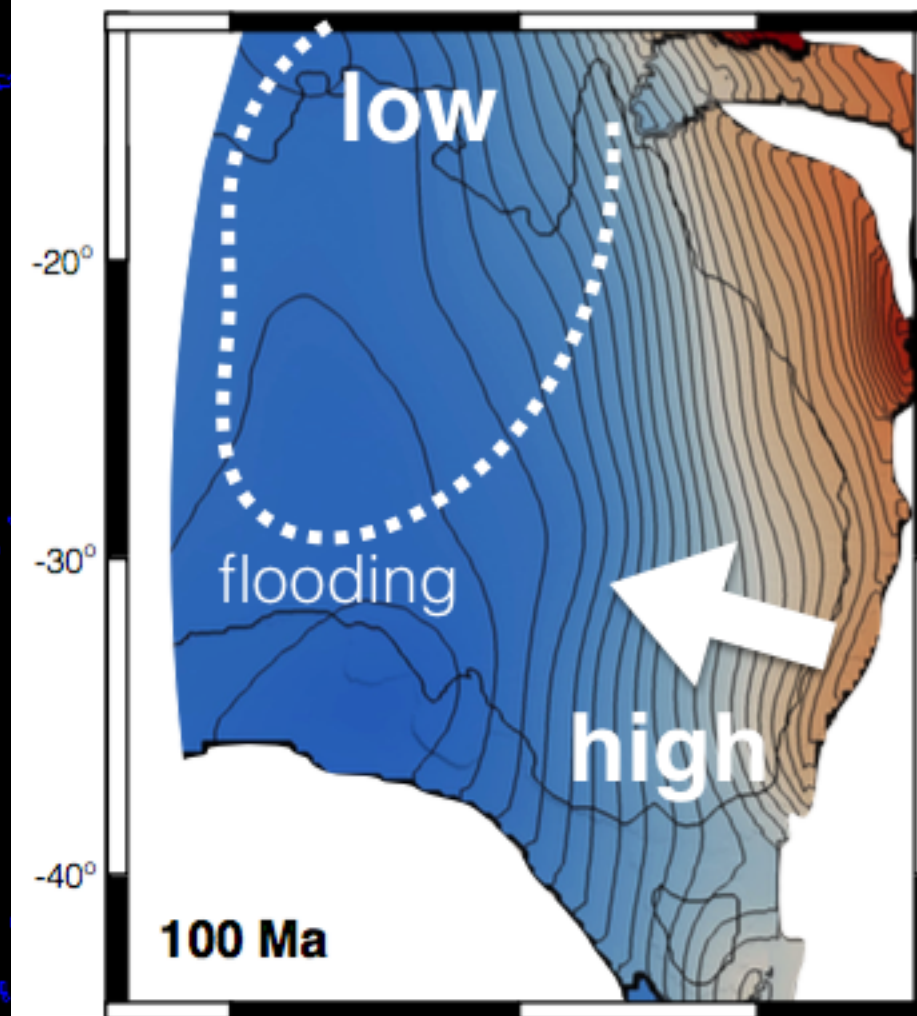
Age of Oceanic Crust (Myr)



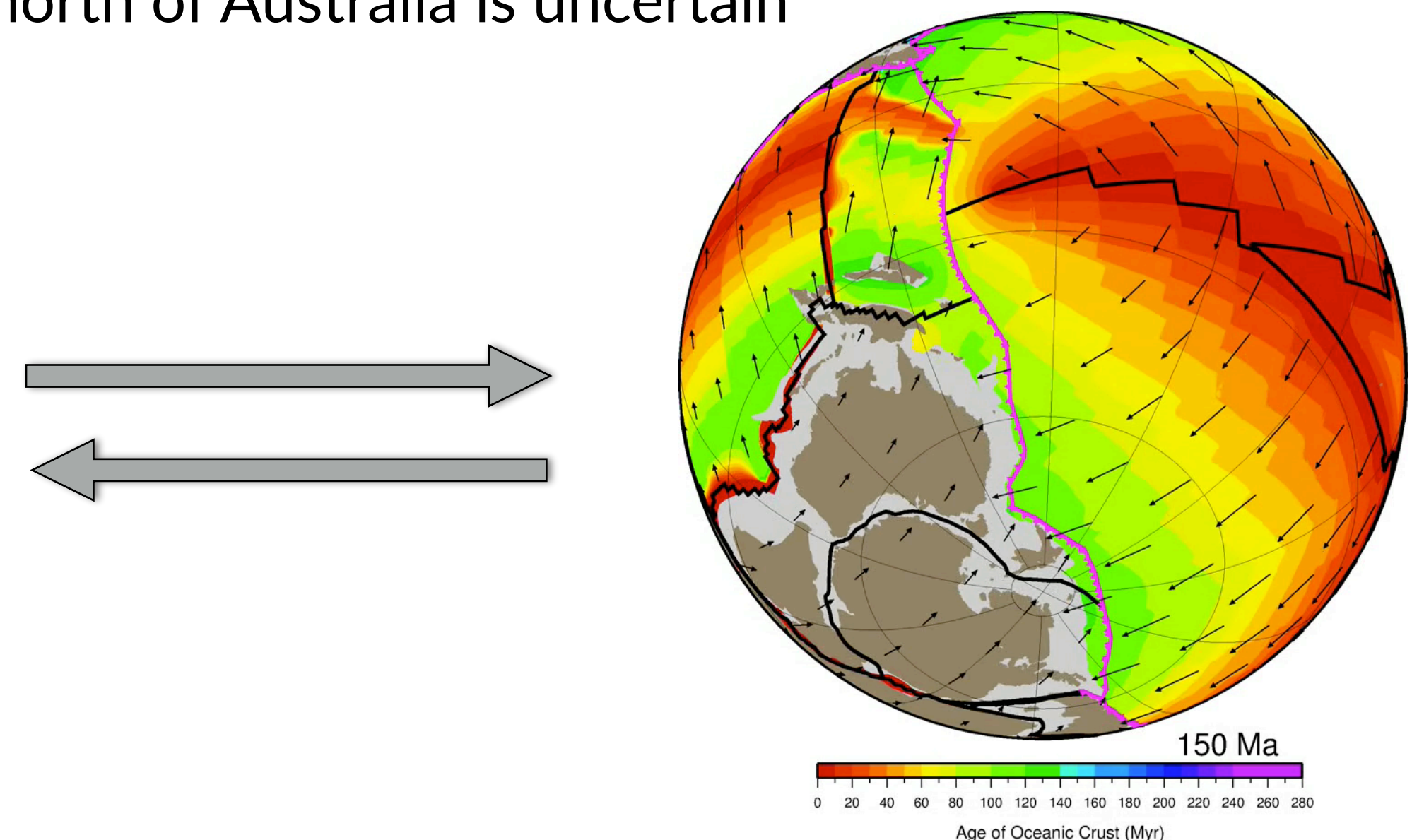
# Landscape dynamics – model versus geological data



Paleo-environment map 90 Ma (source: Geoscience Australia)



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# Landscape dynamics

Distinctive landscape features similar to actual morphological characteristics

