

Training, last lecture day using GPlates with surface topography and hot spots

1. Explaining major features of topography: continents, ocean basins, mountain belts– crustal thickness and isostatic principle.
2. Deep depressions at ocean trenches can not be explained by isostasy. They are dynamic features related to bending of slabs.
3. Follow Reunion hot spot track to Deccan LIP at 65 Ma.
4. Follow Hawaii hot spot track: changing direction of the track, related LIP was subducted.
5. Does Siberian LIP (252 Ma) correspond to Iceland hot spot?