

Poster 2**Thermal history reconstruction of NW Malay Basin using 2-dimensional basin modelling software**

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In any basin evaluation, accurate geohistory and thermal reconstruction is critical, especially the timing of hydrocarbon generation and migration. The accuracy of the present generation basin modelling softwares may be in question as the geohistory construction is limited to one-dimensional (1-D), i.e., single vertical section that corresponds with depth.

The 2D modelling software that was utilised in this project handles both horizontal and vertical sections for the geohistory reconstruction (burial and tectonic) and also performs sediment compaction, fault restoration and subsidence analysis which are useful in understanding the structural/tectonic evolution and thermal history of NW Malay Basin, thus, has open new exploration strategy and concept as well as new exploration play types.
