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## Abstract

### **Are Data-Model Results Bias Towards The Warm Low Latitudes?**

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Climate plays a huge role in determining styles of depositional processes at different latitudes. Climate modelling may therefore provide important information for new ventures projects in predicting the presence or absence of suitable hydrocarbon plays. The key is to validate the model results against proxy data to determine whether they provide feasible results across all latitudinal belts. Palaeoclimate proxy data is most often from low-mid latitude regions and bias towards warm climate states. However, General Circulation Models (GCMs) tend to be bias toward the low end of the climate spectrum, struggling to make the high latitude regions warm enough to sustain forests we know were present in Greenhouse periods, such as the Cretaceous, without concomitant warming of the equatorial regions.