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Cost-effective Seismic Data Reprocessing for Sub-salt Imaging Enhancement.

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Summary

Fit-for-purpose seismic reprocessing workflow comprises improving the seismic bandwidth by spectral whitening and frequency shaping with longer gate amplitude scaling to recover the strong amplitude dimming laterally and vertically especially in the pre-salt seismic levels have been applied to the final migrated seismic volume of the legacy seismic data. To devise a cost-effective seismic data post-stack seismic processing for producing high-quality images in this complex geology subsalt basin.

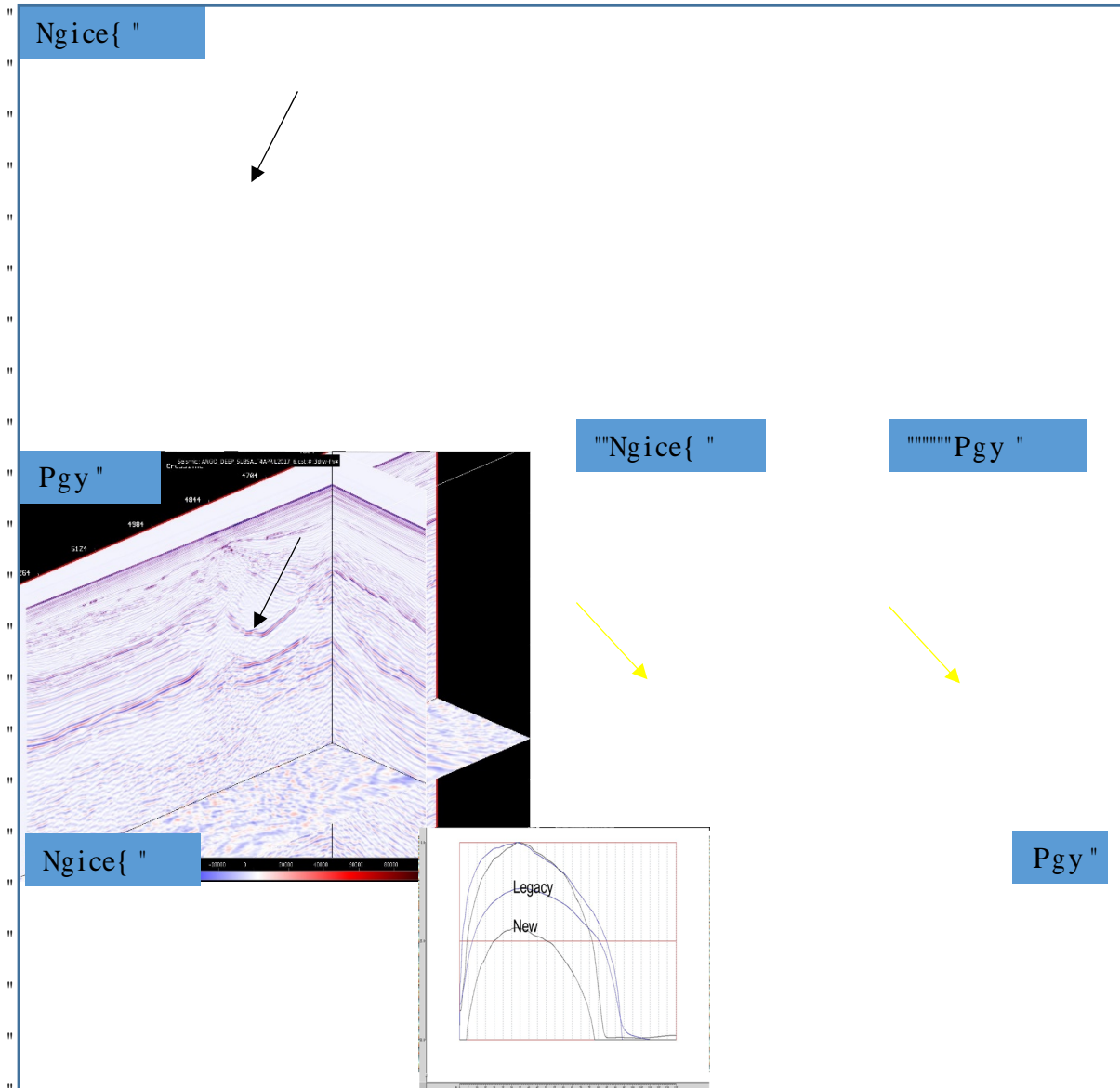


Figure 1 Composite view shows the improvement in seismic data quality of the new proposed seismic processing workflow in comparison of the legacy seismic data quality.