Enhancing Geological Modeling through Seismic Data Integration in PZero Software
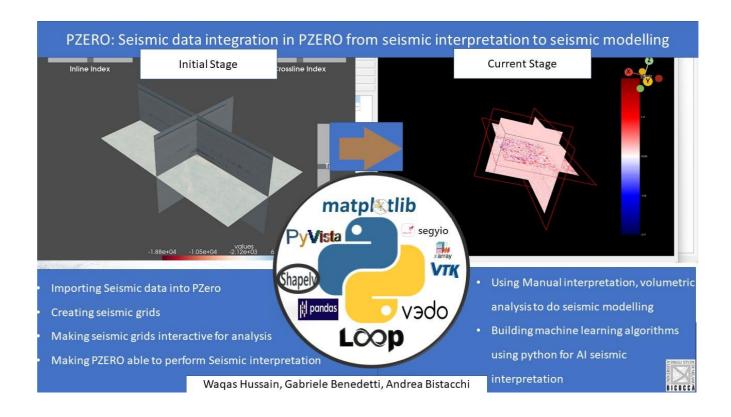
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Our research enhances geological modeling in PZero software, focusing on seismic data integration for accurate subsurface structure models. Achievements include SEGY file importation and the development of stochastic simulation algorithms for clastic sedimentary environments. This work supports advanced reservoir modeling and subsurface energy storage predictions, essential for a low-carbon energy future.