

























Geology

Outcrops, Cores Surface geology Well-logs Structure & tectonics Sedimentology Stratigraphy Subsidence history **Depositional models** Source rock analysis Reservoir parameters Production data Horizons, Faults Seismic attributes Seismic facies

Geostatistics

Neural Networks

Geophysics

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Petrophysics

Mineral models
Lithofacies
Rock physics
Rock mechanics
Vp, Vs
λ, μ, rho
Bulk modulus, K
Young's modulus, E
Poisson's ration, σ
TOC, Pressure, Temp
Fracture gradients
Sw, Sw(irr), Øt, Øeff, κ, η

Basin models

Static Reservoir Models

Dynamic Reservoir Models



Technology

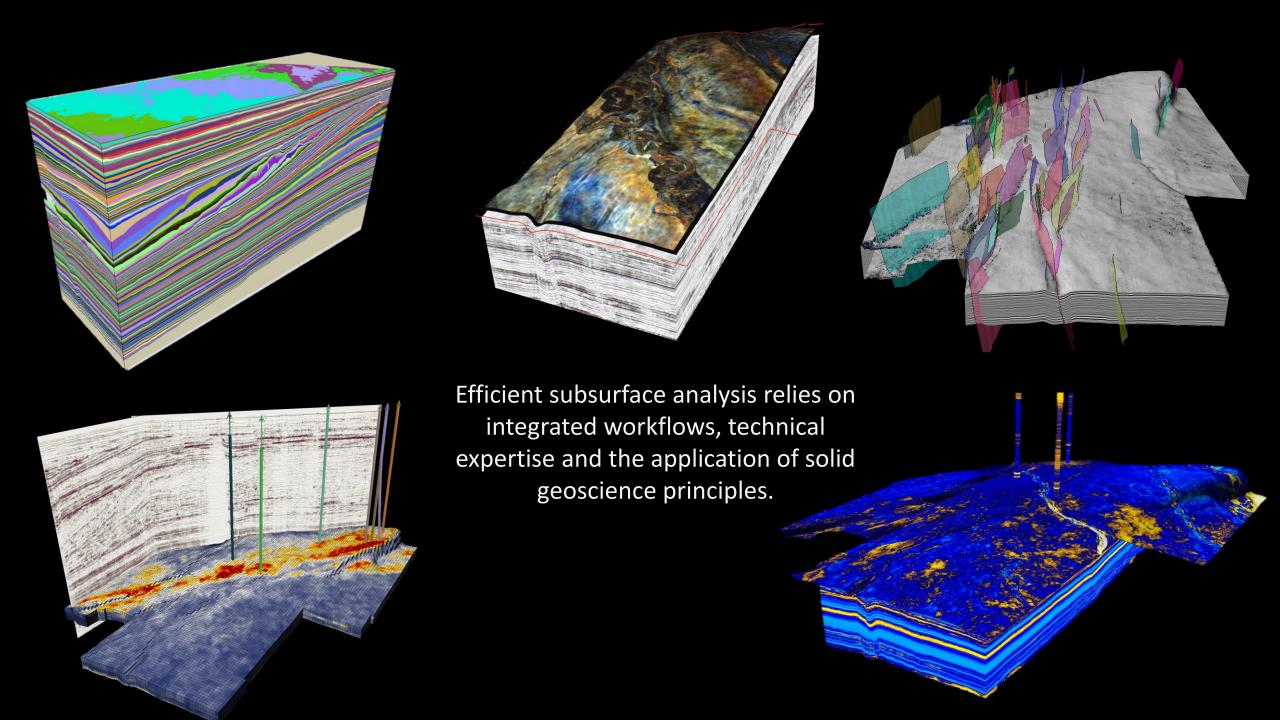
The PaleoScan suite, together with tools available in GeoTeric, allow us to move traditional data sets seamlessly through:

PRE-CONDITIONING
STRATIGRAPHIC INTERPRETATION
WELL ANALYSIS
SEQUENCE ANALYSIS
STRUCTURAL INTERPRETATION
FACIES INTERPRETATION
3D PROPERTY MODELING
STATIC GEOCELLULAR MODELS





Well-log based 3D Property Models, guided by seismic data volumes and supported by cross-plot analysis, open up a spectrum of integrated workflows to the team.

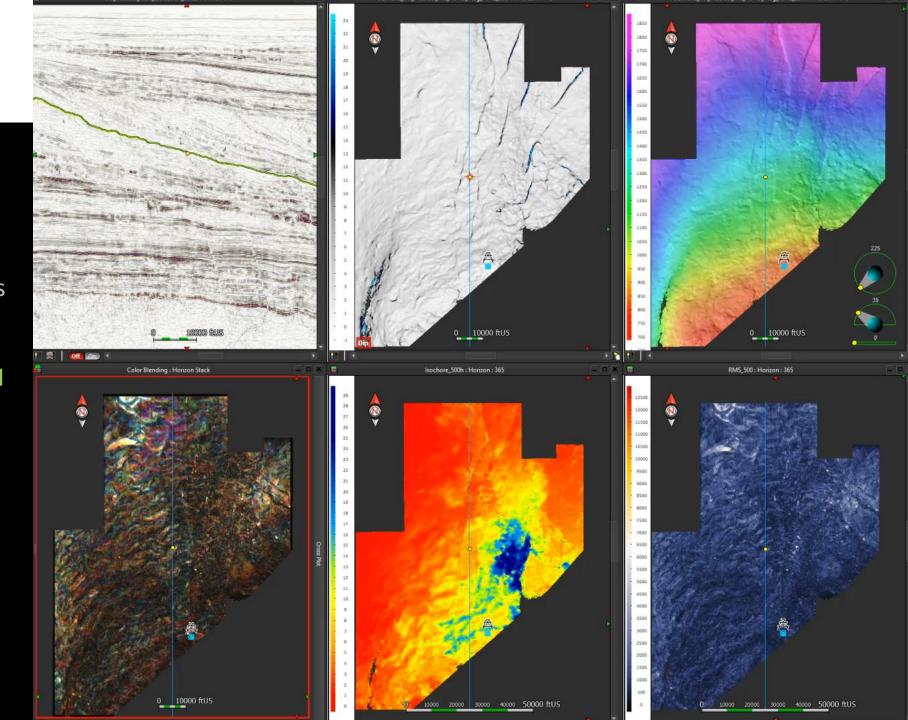




Volume Interpretation Workflows

PRE-CONDITIONING
STRATIGRAPHIC INTERPRETATION

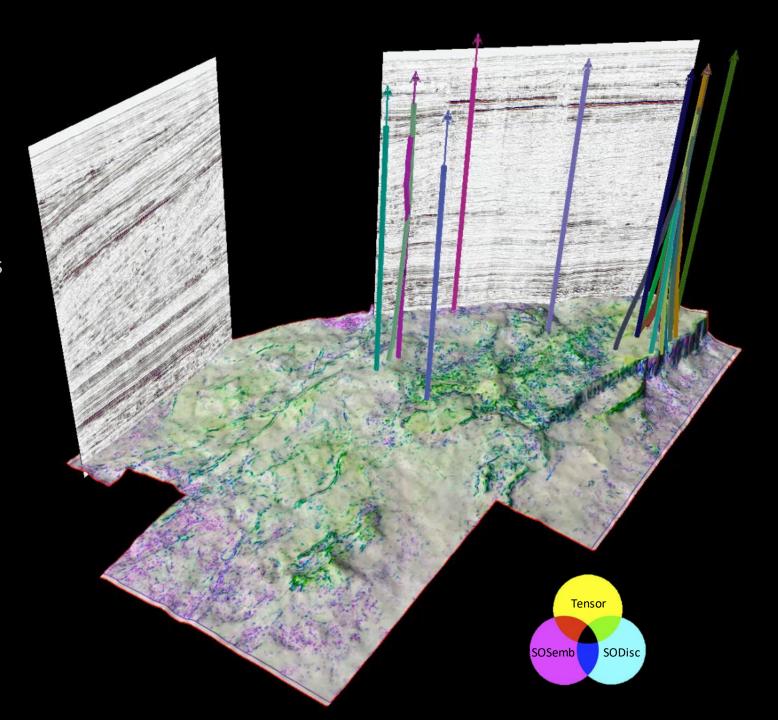
STRUCTURAL INTERPRETATION
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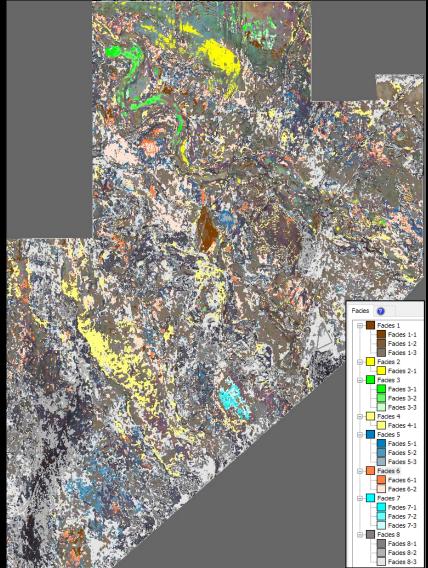


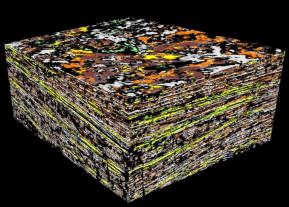
Volume Interpretation Workflows

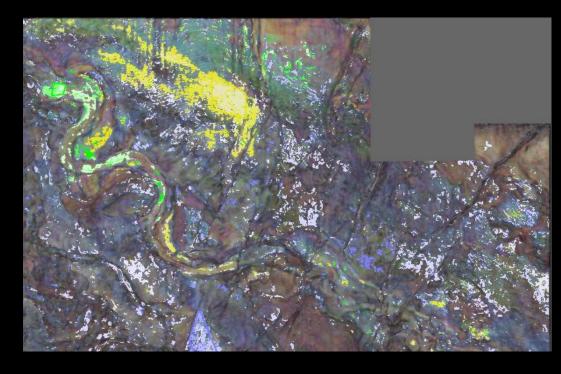
PRE-CONDITIONING
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STRUCTURAL INTERPRETATION
SEQUENCE ANALYSIS

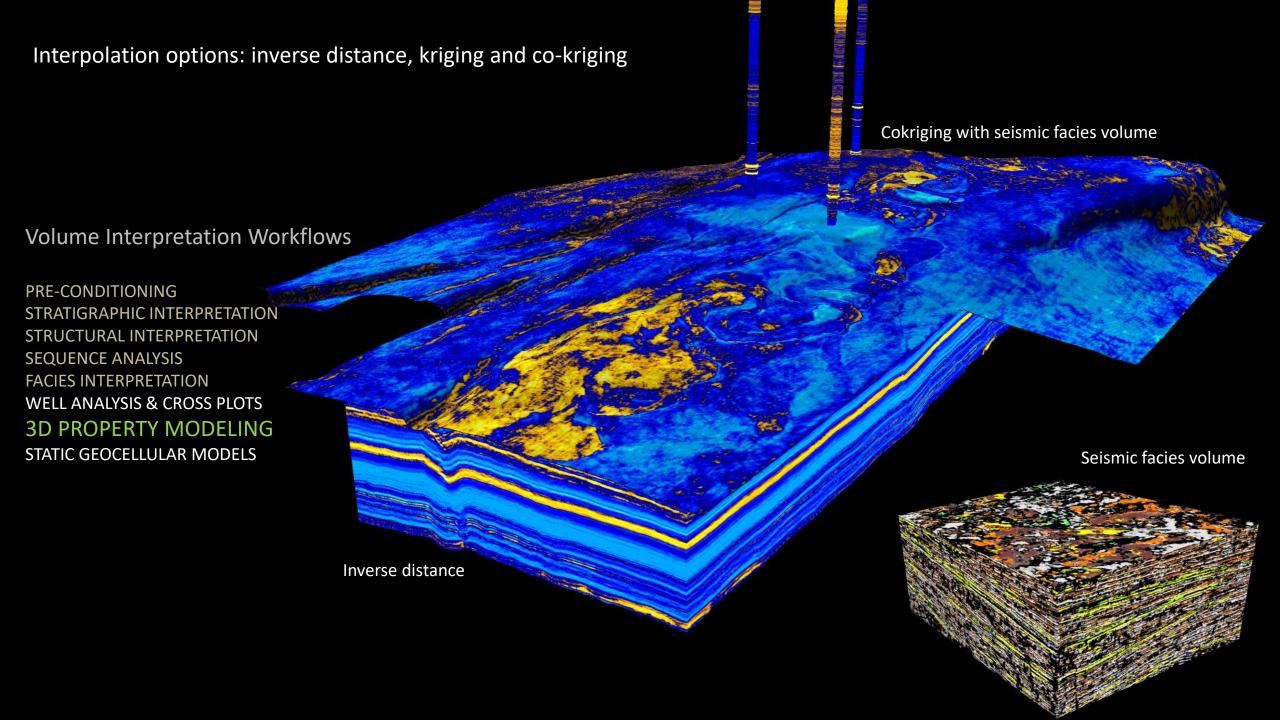
FACIES INTERPRETATION

WELL ANALYSIS & CROSS PLOTS 3D PROPERTY MODELING STATIC GEOCELLULAR MODELS

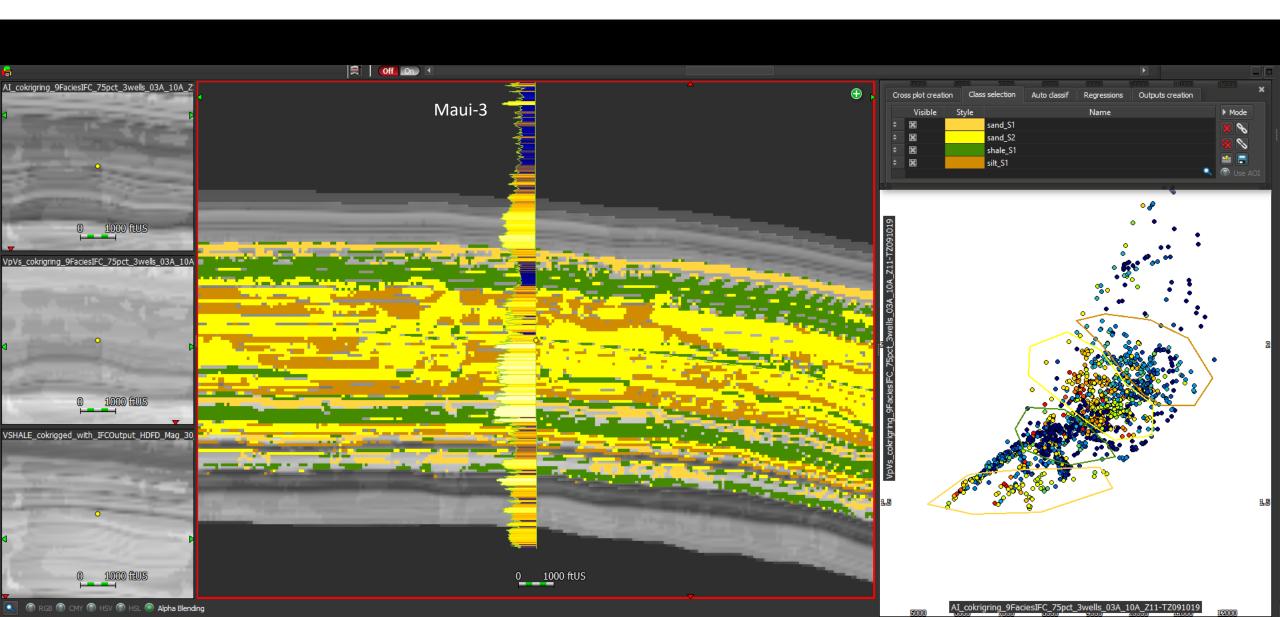










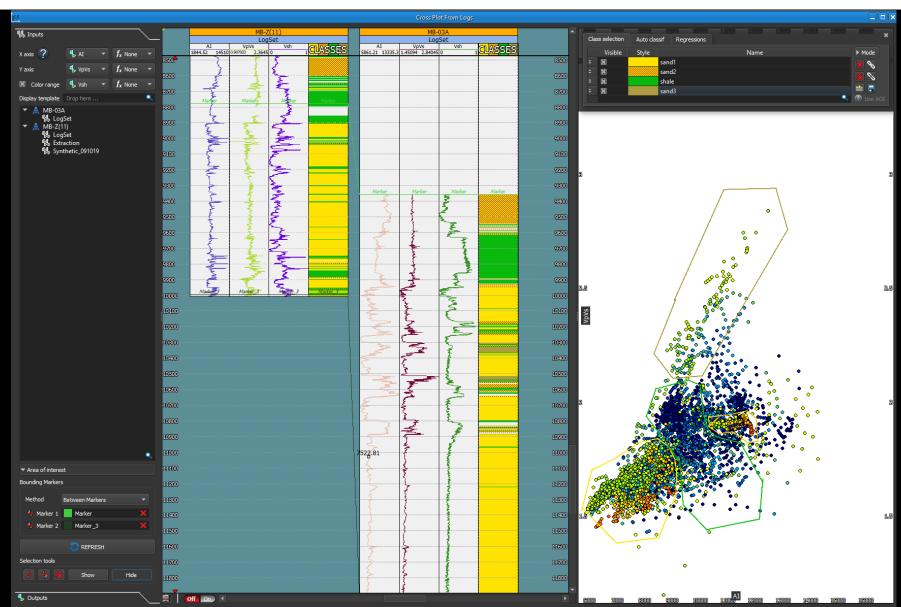


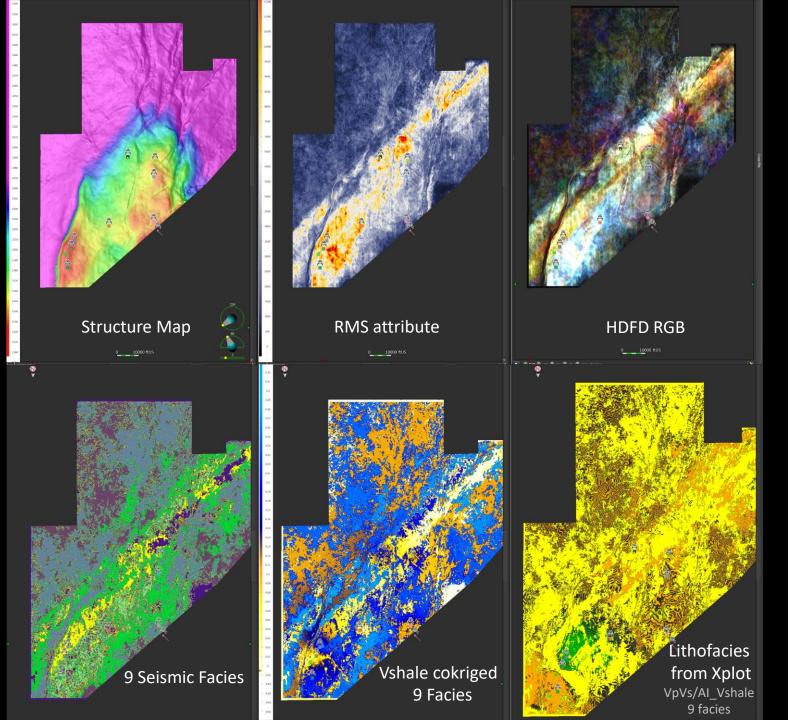


Lithofacies are defined based on well-log cross plots of Vp/Vs and Al using the wells MB-03A and MB-Z(11)

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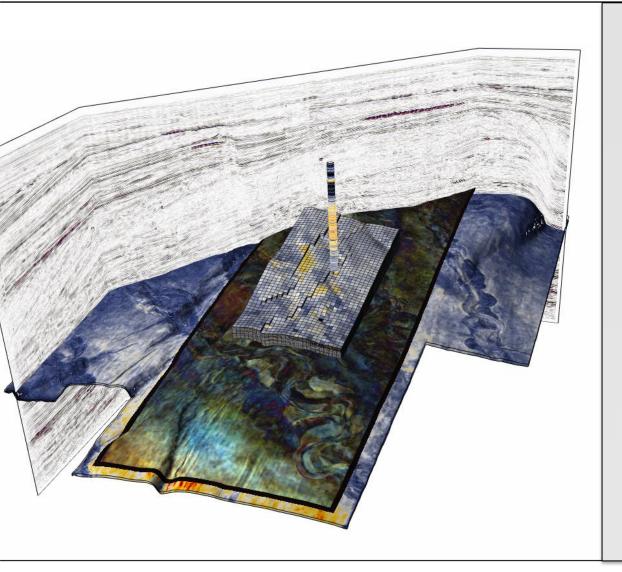
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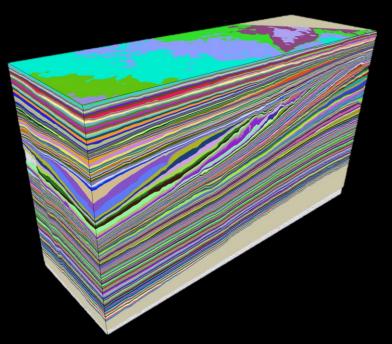
Earth Resources Alliance (Era), formally launched in August 2022, provides our clients with access to an extremely powerful technical team with the expanded ability to take projects, seamlessly, from 3D data conditioning through integrated 3D volume interpretation, including seismic QI, all the way to dynamic reservoir models.

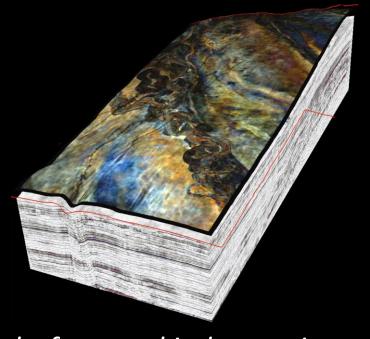
Era combines the technical know-how and expertise of 4 consulting companies, i.e., **Subsurface Clarity, Mapping Zebra, Energylytix, and SEB Solutions**.

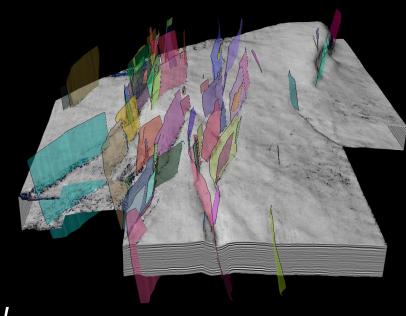




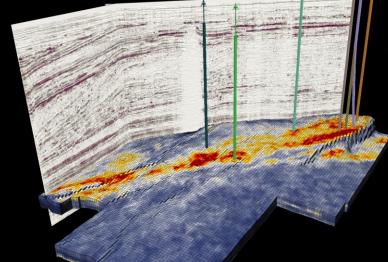








Thanks for your kind attention!



Connect with us for additional technical details and for tailored discussions with your teams... we're just a click away..!

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