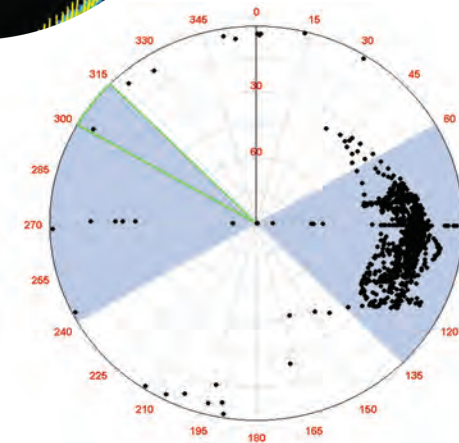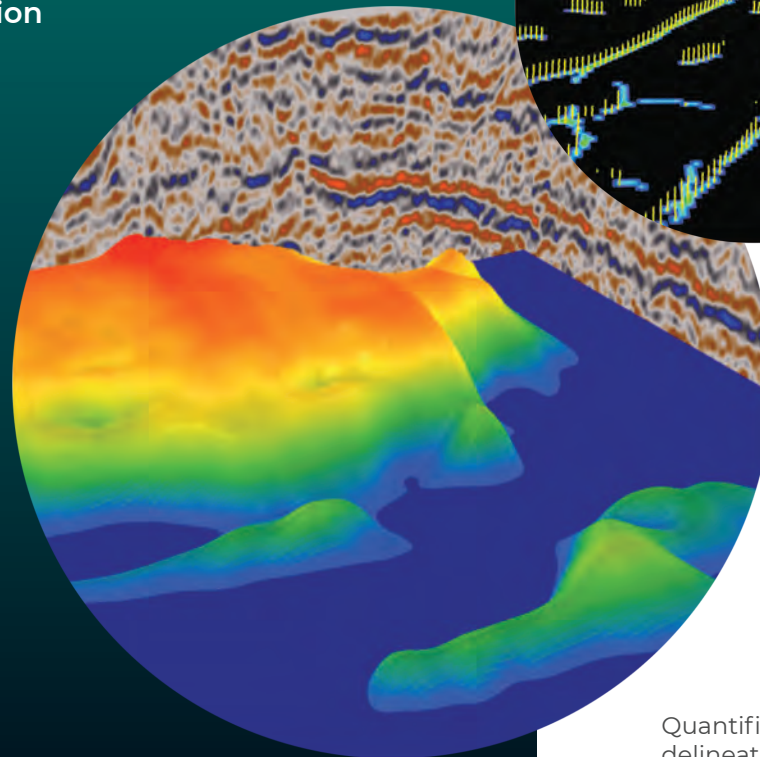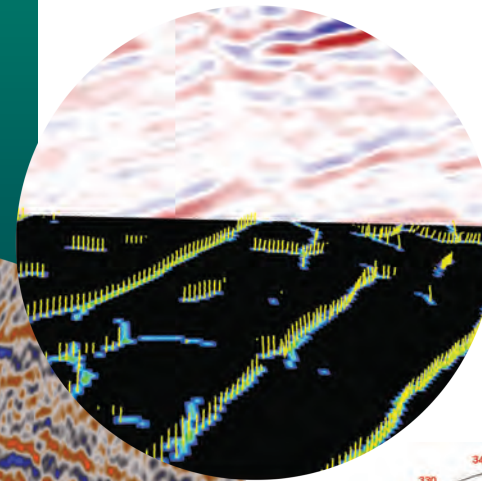# Geoteric 2019.1

Enhanced tools for manual and automatic fault interpretation, Geoteric 2019.1 delivers improved functionality within the Interpret model, complementing our AI Fault Interpretation Service deliverable.

- **Fault Interpretation Usability**

- **Unassigned Fault Set Interpretation Workflow**

- **Fault Detect Stick Extraction**

- **Fault Stick Grouping**

- **Fault Stick Filtering**

- **Fault Stick Rose Plot Filtering**

- **Fault Stick Clipping**

- **Volume Height Maps**

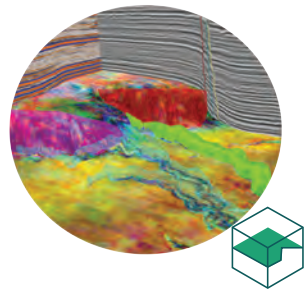Fast and easy workflows to reduce time-consuming manual picking

Visually filter stick direction and angle

Quantification and delineation of prospects

geoteric

Our Modules

The essential centrepiece of our suite of modules is Interpret, which enables full horizon, fault and geobody interpretation directly on color blends.
Our four additional modules can be accessed from Interpret, giving you powerful functionalities to solve the unique challenges you may face.

BASE MODULE

ADDITIONAL MODULES

Additional modules will only work if the base module, Interpret, has been installed.

Data management
- Internal data management
- Data import and export
- 3rd party links (Petrel, DSG)

Visualisation
- Color blend creation (RGB, CMY, HSV)
- Opacity blend creation
- 3D volume rendering

Interpret

Seismic interpretation
- Automatic fault extraction
- Adaptive Faults™
- Adaptive Horizons™
- Adaptive Geobodies™

Utilities
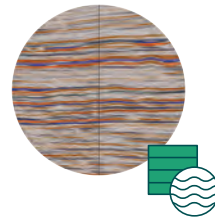- Volumetric calculator
- Horizon tools (flattening, cropping)

Condition

Noise and spectral expression
- Noise attenuation
- Spectral whitening and bandpass filtering
- With easy to use parameter optimisation

Classify

Interactive Facies Classification (IFC)
- Multi-attribute and well based classification
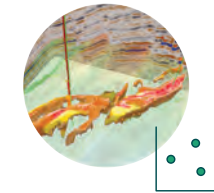- Using Machine Learning algorithms

Reveal

- High definition and standard frequency decomposition
- Fault expression
- Iso-proportional slicing
- 50+ seismic attributes and segmentation

Validate

Forward modelling
- Model validation with synthetic seismic and RGB frequency blend
- Layer and wedge models
- Well log based rock properties
- Fluid substitution