Workshop: Accelerating Seismic Interpretation with Geological Validation

GeoTeric's Adaptive Interpretation system is based on the principles of cognition, enabling Interpreters to quickly and accurately interpret in a fraction of the time it takes with traditional techniques.

Validate is a new forward modelling tool that is designed for the everyday interpreter. It enables geological scenarios to be created and tested in terms of amplitude, phase, and uniquely, for frequency decomposition colour blends.

This half day workshop will include:

GeoTeric's Adaptive Interpretation workflows for new horizon and fault interpretation

- **How GeoTeric uses Graph Theory to create regional awareness, giving interpretation more geologically accurate results**
- **Using attributes and blends to identify areas that need editing**

Use Validate to forward model geological scenarios and compare synthetic colour blends to actual results

- **Easy model generation from interpretation**
- **Apply user and Log defined rock property distribution**
- **Multi-scenario forward modelling**

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Workshop: Explained

What you will learn

The first half of the workshop will focus on how GeoTeric uses Graph Theory to create regional structural awareness that makes the interpretation more geologically accurate, and intuitive from a user perspective. We will look at the different techniques that can be applied to interpret horizons, and illustrate the benefits of using a combination of reflectivity data and CMY Blends to track fault sticks and surfaces in a data following manner.

You will learn how to use GeoTeric's 3D Editing tools and advanced tracking algorithms to refine your interpretation. There will be a discussion about using attributes and blends to identify areas that need editing, and GeoTeric's 3D Editing tool will be used to edit the surface in one step.

The second half of the workshop will focus on how to use Validate, GeoTeric's new seismic forward modelling tool. You will learn how to create a model directly from the Seismic and Log data. We will look at creating a synthetic seismic model by adding rock properties and wavelets and then applying frequency decomposition and RGB blending. You will then update the model properties on the fly to create multiple geological scenarios allowing you to test and correlate the modelled reflectivity and frequency RGB response against your real data.

What you will do

After each discussion, there will be a practical exercise so the participant can gain experience with all the major steps in the Adaptive Interpretation and Validate workflows.

Why should you take part?

Participants of the course will learn how to interpret an accurate structural framework in less time, and how to test your interpretation by interactively creating multi-scenario forward models.

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