

The Gathering 2015

Tuesday 22 September

8:30 – 12:00

Introductions

Rethinking Seismic Data Analysis in a "Big Data" World

[Bill Shea | CEO Sharp Reflections](#)

- Benefits of Beginning Interpretation from Gathers
- New Methods to Integrate Rock Physics and Interpretation
- Practical Solutions to Work with Very Big (10TB +) Datasets

Using Pre-Stack Seismic to Improve Decision Making: What Managers Want to Know

[Morten Sola | Sharp Reflections](#)

- Insights from New Interpretation "Boot Camps" - Establishing Confidence in Data, and Gaining Quick Understanding of Uncertainties

New Geophysics in Release 4.4

[Peter Harris | Sharp Reflections](#)

- Single Gather Modeling, Streamlined Data Comparisons and Spectral Operators, and New Algorithms to Remove Noise

Improved Data and Information Sharing in Pre-Stack Pro 4.4

- Petrel Data link, Referencing Cultural Data, and Working in Depth

LUNCH

13:00 – 14:00

WORKFLOW SESSION: Learn from the Experts

Preserving Polarity Reversal Through Gather Conditioning: Examples

[Sebastien Denis | Sharp Reflections](#)

PsPro Workflows for Tuning Analysis in Thin Beds

[Peter Harris | Sharp Reflections](#)

Automated Data Quality Health Checks for Fast, Efficient 3D Processing

QC: Examples

[Andy Kalil | Sharp Reflections](#)

14:00 – 17:00

THE TRAINING ROOM: Learn by Doing

Workshop 1 : Automated Health Checks for 3D Process QC and More Rigorous Process Test

- Develop and Run Workflows to Assess Seismic Health
- Targeted Gather Visualization Using Health Check Attributes
- Using the Data Comparator to Track AVO Integrity Through the Gather Conditioning Flow
- Assessing Seismic Health with Scorecard Approach

Workshop 2 – Calibrating Gathers to Well Data and Evaluating Specific Exploration Scenarios

- Generate Synthetic Gathers from Well Logs, Cross-Correlate to Real Gathers
- Using Cross-Correlation tools to Assess Lateral Signal Changes
- Matching Gather and Stack Response to Specific Reservoir Scenarios – Introducing the New 1D
- Model Builder
- Tuning Analysis in Thin Beds – New Pre-Stack Pro Workflows

Workshop 3 – Live Case Study Examples (Guided work session on live data) Identifying and Assessing Exploration Opportunities, Straight from Gathers

- Amplitude Integrity – What is it?
- Pre-Stack Horizon Picking – Why Should I Do It?
- Bright Spots, Dim Spots, and Phase Changes as Hydrocarbon Indicators; Interpreting
- AVO in 3D

CONFERENCE EVENING

Wednesday 23 September

9:00 – 10:00

NEW SOLUTIONS

Pre-Stack Pro in the Cloud - What we can do now, what tomorrow may bring
[Alex Neundorf](#) | [Sharp Reflections](#)

A New 5D Data Model in Pre-Stack Pro –Applications to Azimuthal Gathers
[Norman Etrich](#) | [Fraunhofer ITWM](#)

AGENDA SUBJECT TO CHANGE BEFORE EVENT

10:00 – 12:00

USER FORUM

Learn What Fellow Customers Are Doing – Talks TBA

LUNCH

13:00 – 17:00

CLOSING SESSION: PSPro Tomorrow

Finishing Foundation III - What's Coming in PsPro 4.6 (5.0) Release

Panel Discussion - Customer-Sponsored Funding | Cost vs Benefit Analysis

Future Development Initiatives - Short Pitches

- Improving Visualization and Interpretation: What's Really Needed to Generate Prospects in PsPro?
- New Tools to Quantify Reservoir Volumetrics
- Workflow Builder: Time to Do It?
- 2D Seismic Interpretation from Gathers: Requirements

Breakout Sessions - Assessing Relative Value of the Different Pitches

- Group Discussions
- Breakout Summaries

Participant Feedback and Closing Remarks