Creating Synthetic Seismograms
Interpretation3

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WHO SHOULD ATTEND

This school is aimed at geophysicists and geologists who are involved in field development and/or exploration, and have experience in interpreting seismic data.

OBJECTIVES AND CONTENT

The objective of the course is to provide a reliable method for correlating well log data to seismic data.

The course consists of four parts: (1) data input and preparation, (2) creating a synthetic seismogram, (3) evaluating the results and (4) modeling. Modeling will demonstrate how seismic data will change to reflect changes in density, transit time and bed thickness.

The topics that will be covered are:

- Input of log data from digital files
- Input of digital seismic data
- Basic editing of log data
- Estimating sonic and density logs from other logs
- Input of check-shot information
- Selecting the seismic wavelet
- Creating the synthetic seismogram
- Tying the synthetic seismogram to the seismic data
- Evaluating the results
- 1-D and 2-D Modeling