**Course Outline**

**Fundamentals**
- Wave Fundamentals
- Reflection Seismic
- Frequency
- Signal Versus Noise
- CDP Stack
- 2D v 3D
- Resolution

**Acquisition**
- Geophones
- Cables
- Dynamite
- Vibroseis
- Mini-Sosie
- Other Sources
- Comparison of sources
- Field Images including other sources.

**Planning**
- Depth of Target
- Geological Complexity
- Surface Conditions
- Existing Data
- Timing
- Costing
- Permitting

**Processing**
- Supervision
- Hazards
- Supplementary Data
- Field Survey
- Statics
- Migration
- Noise Removal
- Stacking
- Work Flows

**Interpretation**
- What is interpretation?
- Where do we start?
- Seismic Display Types
- Synthetic Seismograms
- Fault categorisation
- Depth Conversion
- 2D v 3D
- 3D Attributes
- Tips & Tricks
- Exercise

**Reports**

**References**

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**The Instructor**

Henk van Paridon is a consulting geophysicist with over 30 years experience in seismic surveys. He has worked for clients in the petroleum, coal and CSG industries. He understands how acquisition parameters effect interpretation results. He has worked with 2D and 3D data and is hands on. Based in Brisbane with lots of local knowledge.

**Who Should Come?**

The course is suitable for geologists & engineers in the petroleum, coal or CSG industry who need to understand seismic derived maps or who are contemplating seismic for their exploration project.

The course concentrates on the physical aspects but avoids complicated equations. It sets out to de-mystify geophysical jargon.

The course can be held in-house using your own data. Public courses will be conducted in Brisbane and elsewhere dependent on demand.