

Well Seismic Profiling

Teamwork will consist of:

Summary/Presentation of learning points **previous** day

Day 1:

- 09:00-09:30 1. Biography, 2. Moodle, 3. 52 Things,
- 09:30-10:00 4. Geophysical Methods, 5. Geophysics World, 6. Seismic Data display
- 10:00-10:30 7. **Ex Shot ray-paths**
- 10:30-10:45 Refreshments
- 10:45-12:15 8. Acquisition geometries
- 12:15-13:00 9. WSP Acquisition
- 13:00-14:00 Lunch
- 14:00-14:30 10. **Videos: Velocities**
- 14:30-15:00 11. WSP Interpretation
- 15:00-15:15 Refreshments
- 15:15-16:00 12. 3D VSP
- 16:00-16:15 13. Resolution
- 16:15-17:00 14. Ex: VSP**
- 17:00-17:15 15. Quiz 1
- 17:15-17:30 **Team:** Preparation Summary of day 1

Day 2:

- 09:00-09:30 **Team:** Summary of day 1
- 09:30-10:00 1. Transforms
- 10:00-10:15 2. **Ex: FK filtering**
- 10:15-10:45 Refreshments
- 10:45-11:15 3. Fresnel zone
- 11:15-11:30: 4. **Ex: Fresnel zone**
- 11:30-12:00 5. Machine learning
- 12:00-12:30 6. Inversion vs Machine Learning
- 12:30-13:00 7. **Ex: ML for WSP**
- 13:00-14:00 Lunch
- 14:00-14:30 8. **Videos: Wave Propagation, Fresnel zone**
- 14:30-15:30 9. WSP Case studies
- 15:30-15:45 Refreshments
- 15:45-16:15 10. FWI for WSP
- 16:15-17:00 11. Well DAS
- 17:00-17:30 12. Quiz 2