

Petrogenium. Academy

Upstream (Geophysics)

Demystifying 4D Time-lapse Seismic

Consultant / Trainer

Jan Stammeijer



The **Petrogenium** (in collaboration with EPTS) **Demystifying 4D Time-lapse Seismic** participants will gain a clear understanding of the principles, applications, and value of 4D time-lapse seismic technology. Those with seismic interpretation experience will become confident in performing their own initial 4D interpretations in straightforward geological settings, while others will learn to effectively assess and apply 4D seismic results. The course will also enable subsurface practitioners and managers to initiate and manage 4D seismic projects, integrate time-lapse insights into reservoir management, and evaluate the business case and potential value of acquiring such data. In addition, participants will develop an appreciation of both the benefits and pitfalls of this powerful subsurface technology..



Participants

This **Petrogenium**. course aims at all subsurface disciplines, well engineers, and team leaders. This Course aims to appeal to subsurface staff currently active in field development and reservoir management. For those interested in CCS, this course will also be useful given its focus on monitoring of subsurface dynamic effects, and the description of technologies enabling innovative and low-cost monitoring.



Learning Objectives

At the end of the course participants will have a clear idea of what goes on in Geophysics and how Artificial Intelligence will impact the future of Geosciences. Interactive quizzes using “Mentimeter” are used to enhance the learning.

3 Day Training

1. Estimating 4D seismic signal types and magnitudes
2. Understanding noise types and how to suppress these through choices in Acquisition and Processing
3. Extracting the various types of 4D attributes, understanding their benefits and limitations
4. Integrating the results and calibrating reservoir models into one or more 4D-consistent dynamic subsurface scenarios including uncertainties
5. Communicating results clearly and concisely as input for decision-making
6. Describing ongoing and expected technology developments and how these can better solve existing challenges

Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class experience in the technology and hands-on know-how from operation of refinery units.

Because Experience Matters

Contact Petrogenium.:

Email: training@petrogenium.com

Website: <https://www.petrogenium.com/training/>