

Consultant / Trainer

**Jurgen Grotzsch**



The Petrogenium (in collaboration with EPTS) Hydrogen Exploration course will introduce natural hydrogen as a potential future clean energy resource and how to explore for it as it may become the next game changer in the energy industry providing a clean and sustainable solution for part of the global energy demand.



#### **Participants**

This course has been designed for geoscientists and energy professionals who are working on energy transition projects and optimizing the portfolio herein. Natural hydrogen is a yet unproven opportunity in such a portfolio.

The course is recommended for graduate students, staff from the energy industry, as well as employees of the public sector and from regulators. It is of particular interest for investors and decision makers who need to set directions and priorities in the energy transition.



#### **Learning Objectives**

- Provide an introduction to the global energy system
- Introduce the role of different colors of hydrogen
- Present a global overview of current hydrogen production and consumption
- Showcase hydrogen development projects
- Provide an overview of natural hydrogen seeps globally
- Introduce the concept of hydrogen exploration
- Understand the main subsurface uncertainties in hydrogen exploration
- Discuss the key challenges and risks of hydrogen exploration and development
- Address the role of geoscientists in developing hydrogen as a future energy resource
- Provide an outlook for trends and expected developments in the global energy market

# Programme

**Part 1 – Overview of hydrogen in the global energy system**

**Part 2 – Introduction to the multiple colors of hydrogen**

**Part 3 – Examples of natural hydrogen seeps**

**Part 4 – Exploration and Development of natural hydrogen**

**Part 5 – Outlook on opportunities and risks in hydrogen exploration and development**

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## **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.

## **Contact Petrogenium.:**

Email: [training@petrogenium.com](mailto:training@petrogenium.com)

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

***Because Experience Matters***