

# LAVOISIER H<sub>2</sub> GEOCONSULT

## NATURAL HYDROGEN TRAINING

### Basics, Advanced & Field work

Speaker: Eric C. Gaucher & Jean Gaucher



Basics	Basics & Advanced	B&A + Field work
0,5 day	2 days	4 days
Remote	Remote or in-person	In-person - Pau, France

### Your Objectives:

Are you a geologist, consultant, manager, investor, journalist or public administrator who wants to know more about natural hydrogen?

The basics and advanced indoor training has been designed for you willing to have an integrated view on the economic, strategic and scientific aspects of natural hydrogen exploration and its perspectives.

Attendees don't need a specific knowledge of geology but trainers adapt to the level of the audience. The training follows a mix of lectures, exercises, case studies, discussions and feedback sessions.

The field trip in the French Pyrenees is more dedicated for geologists. It is combined with the basics and advanced indoor training.

**“Learn the basics and advanced concepts on the economic, strategic and scientific aspects of natural hydrogen exploration and perspectives.”**

### Our Training programs

*If there's a field trip, this program is the ideal configuration. However, the weather may dictate another schedule with for example a day indoor and another outdoor.*

#### Day 1:

8H30 – 12H30 Training Room

- Introduction – Hydrogen definitions and natural hydrogen origins (**Basics**)
- Pyrenees case study (**Basics**)

Lunch Break 1h/1h30h

14H – 19H **Field work** - *Transportation to the field is provided by LH<sub>2</sub>G*

- General vision of the Pyrenees geology, outcrops of the kitchen, Soil gas analysis and water degassing – Foothills of the Pyrenees

### Day 2:

8H30 – 12H30 Training Room

- Oman, New Caledonia, Mali, Kansas, Switzerland, Lorraine (France) cases (**Advanced**)

Lunch Break 1h/1h30h

14H – 19H **Field Work** - *Transportation to the field is provided by LH<sub>2</sub>G*

- Visit of the potential reservoir rocks and caprocks – Foothills of the Pyrenees

### Day 3:

8H30 – 12H30 Training Room

- Co-production with Geothermal resources, Helium, Mine industry, CO<sub>2</sub> storage. (**Advanced**)
- Advanced strategy for Natural H<sub>2</sub> exploration. (**Advanced**)
- Needs of research. (**Advanced**)

Lunch Break 1h/1h30h

14H – 19H **Field Work** - *Transportation to the field is provided by LH<sub>2</sub>G*

- Geochemistry – Demonstration of gas and soil sampling with equipment – Sauveterre de Béarn

### Day 4:

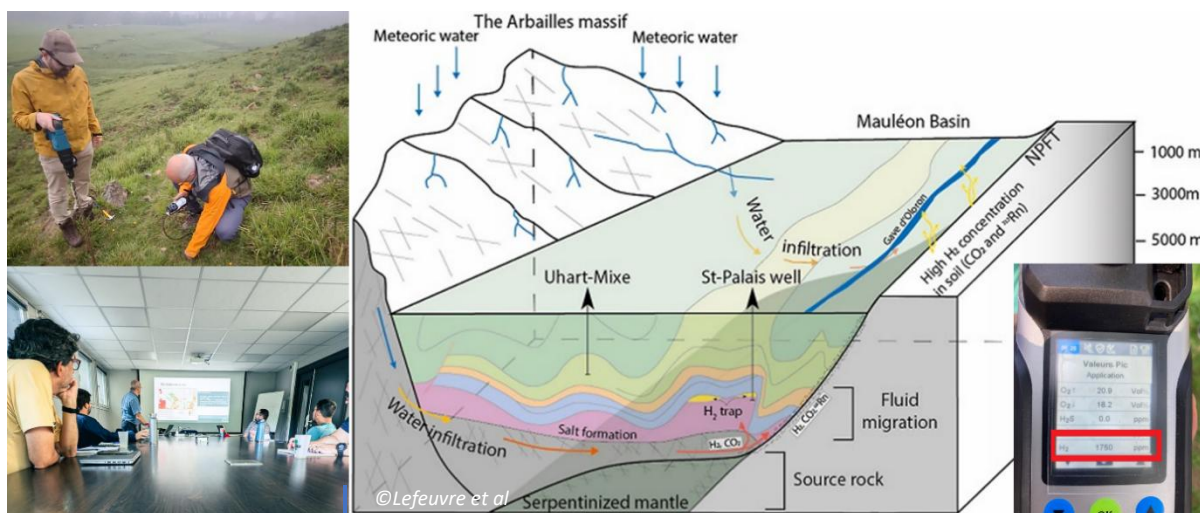
8H30 – 12H30 Training Room

- Techno-economic evaluation of natural hydrogen. (**Advanced**)

Lunch Break 1h/1h30h

14H – 17H Training Room

- Exercise on a case study prepared by the customer to be challenged by LH<sub>2</sub>G team. (**Advanced**)



*Training indoor and Field work in the Pyrenees mountains*



## Registration

Contact us to choose your training level ([Customer feedback](#)). Quotation on request.  
[jean.gaucher@lavoisierH2.com](mailto:jean.gaucher@lavoisierH2.com)

## Trainers

Training is provided by **Dr. Eric C. Gaucher** et **Jean Gaucher**

**Dr. Eric C. Gaucher:** An expert geochemist in water-rock-gas interaction, Eric is a world leader in natural H<sub>2</sub> exploration, as leader of the [Natural Hydrogen Task 49 of the International Energy Agency's Hydrogen TCP program](#). He was behind the discovery of natural hydrogen in the *Pyrénées-Atlantiques* region of France. This discovery has already given rise to 3 exploration licenses. A recognized researcher, Eric has published more than [120 articles](#) in international journals (Nature Geoscience, Science...) and has filed 3 patents. A skilled teacher, he also received a Faculty Teaching Award from the University of Bern for the quality of his geochemistry training course in April 2023. He has been a member of the HNAT summit scientific advisory board since 2023.

**Jean Gaucher:** Analyst with a Master's degree in Geopolitics and International Security, Jean joined LH<sub>2</sub>G in May 2023. He actively monitors the natural hydrogen techno-economic ecosystem and develops the company internationally. He also assists Eric C. Gaucher with the company's research and exploration programs.



*Eric and Jean during a field work*

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