Integrated Geothermal Modelling – Reservoir Simulation
First Geo-RIN Conference, Benasque (Spain), 05 June 2025

LOGISTICS
📍 Palacio de los Condes de la Ribagorza, Benasque, Spain
📅 05 June 2025, 09:30 – 13:30

REGISTRATION
The course is **offered free of charge**. However, participants must be **fully registered** for the **Geo-RIN Conference**. Registration is handled via the conference website on a **first-come, first-served** basis.

WHAT'S INCLUDED
✓ Full access to Volsung software during the course
✓ Digital training materials
✓ Training Certificate upon completion

IT REQUIREMENTS
💻 Participants must bring their **own laptops** for the training sessions. **Windows OS required** (MacOS not supported).

LANGUAGE
🗣️ Lectures and training materials are in **English**.
🔄 **The instructor is bilingual (Spanish and English)**. Participants may ask questions in Spanish if preferred.

CONTACT AND INFORMATION
For any questions regarding the workshop content, please contact:
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This in-person, instructor-led, hands-on course provides comprehensive training in geothermal modelling using **Volsung**. The training programme focuses on the integration of geological, geophysical, and engineering data to optimise geothermal reservoir development.

The course covers the key steps in using reservoir simulation for geothermal resource evaluation, model calibration, and forecasting. Participants will use real-world datasets to test different development scenarios, with an emphasis on practical workflows and decision-making in geothermal energy projects.

Volsung is a leading reservoir simulation tool for geothermal applications, offering an intuitive interface and powerful modelling capabilities. The software integrates geological inputs from **Leapfrog Energy** and allows users to assess well placement, production strategies, and long-term resource sustainability.
Application areas include **geothermal energy, reservoir engineering, and subsurface heat extraction**.

COURSE TOPICS
- Introduction to **Volsung** and its graphical user interface
- Volsung's integration with **Leapfrog Energy** for model input
- Model calibration exercise: Adjusting enthalpy and permeability to match measured well data
- Model forecasting: Adding new wells and simulating long-term production scenarios
- Advective and convective heat transport in reservoirs
- Understanding coupled wellbore and reservoir simulations
- Best practices for geothermal reservoir modelling and decision-making
- Results evaluation, visualisation, and animation

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