

## **SHORT COURSE 1: Conceptual Modelling of Geothermal Systems**

**Length:** 2 days  
**Location:** Reykjavik University  
**Dates:** October 23-24, 2021  
**Convenor:** *Dr. Gudni Axelsson*, Director GRÓ Geothermal Training Programme.  
**Other lecturers:** In addition, at least three international lecturers are expected to join the lecturing team, to be announced later.

### **Scope of the course:**

The Short Course aims at introducing the concept on which conceptual modelling is based and demonstrate their development and use. It will include the following: Introduction to the development of conceptual models. The various types of data used for developing conceptual models. Introduction to software used for 3D visualization of data and conceptual model development. Conceptual model case histories. Using conceptual models for siting wells and resource assessment. Practical exercises.

### **Course outline:**

#### **October 23**

08:00-09:00 Registration and coffee.

09:00-10:30 Introduction to the development, role and evolution of conceptual models.

10:30-11:00 *Coffee/tea break*

11:00-12:30 The various types of data used for developing conceptual models.

12:30-13:30 *Lunch break.*

13:30-15:30 Introduction to software used for 3D visualization of data and conceptual model development (demonstration and hands-on introduction).

15:30-16:00 *Coffee/tea break.*

16:00-17:30 Software introduction continued.

#### **October 24**

09:00-10:30 Conceptual model case histories.

10:30-11:00 *Coffee/tea break.*

11:00-12:30 Using conceptual models for well targeting and resource assessment.

12:30-13:30 *Lunch break.*

13:30-17:00 Practical exercises in well targeting and resource assessment.

*Both on-site and virtual participation possible.*