



**GUIDE**

**TRAINING COURSE ON REGULATION OF SHALLOW  
GEOTHERMAL ENERGY SYSTEMS**

- **Lesson 1:**

Shallow geothermal systems: an efficient and renewable energy source for thermal energy supply

- **Lesson 2:**

Technical aspects and procedures involved in the development of a shallow geothermal energy project

- **Lesson 3:**

Administrative procedures – Information and solutions from RegeoCities

## Shallow geothermal systems: an efficient and renewable energy source for thermal energy supply

### OBJECTIVE

The objectives of this lesson is introducing the attendants to

- Main ideas behind shallow geothermal energy systems and
- Actual situation of this technology at European and local level

### CONTENTS

- Buildings thermal energy supply
- Shallow geothermal energy systems at European and local level
- Potential of shallow geothermal systems

## Technical aspects and procedures involved in the development of a shallow geothermal energy project

### OBJECTIVE

The objective of this lesson is

- The presentation of an overview of the technical aspects and procedures of a shallow geothermal energy project

### CONTENTS

- Shallow geothermal systems classification.
- Underground heat exchange, geological characterization and drilling.
- Building integration

## Administrative procedures. Information and solutions from RegeoCities

### OBJECTIVE

The objective of this lesson is

- Reviewing the administrative procedures involved in the development of a shallow geothermal project. Information and solutions from RegeoCities

### CONTENTS

- Legal situation at European, National and Local level.
- Best Practices related to regulation of SGE systems
- Handbook and spreadsheet for the development of a standard European Database of SGE installations
- Integration of SGE systems in cities
- Recommendation guideline