

## Information

# Training Course “Seismology@School”

### Training activity

Structured training course

### Thematic fields of training activity

Earth Science: seismology, tectonics

Physics: sensors, waves, data logging, signal analysis

Science and Society: seismic risks

### Duration of the training activity

Full five working days (excluding travel time)

### Language of training activity and materials will be provided

English

### Target audience

Science teachers (secondary), teacher trainers, head teachers/principals/managers of schools/organizations offering education from EU Member States and/or Associated Countries

### Institution organizing the training

BGS - British Geological Survey (United Kingdom)

CNRS - Centre national de la recherche scientifique (France)

ETH - Eidgenössische Technische Hochschule (Switzerland)

HES-SO Valais – Haute Ecole Spécialisée de Suisse Occidentale (Switzerland)

INGV - Istituto Nazionale di Geofisica e Vulcanologia, (Italy)

UNINA - Università di Napoli Federico II (Italy)

### Venue

#### Hes-so Valais- Wallis

Route de Rawyl 47,

1950 Sion, Switzerland

[www.hevs.ch](http://www.hevs.ch)

### Full description of training contents

#### Preparation

This course is addressed to secondary school teachers who are currently teaching science or geosciences or are planning to do in the future. Participants have to fill a detailed questionnaire in before the course beginning to indicate their level of experience and training and their expectations from the course.

Participants are invited to prepare a short presentation on the teaching of physics or geosciences in their school/country.

#### Objectives

- To provide through scientific lectures and practical new inspirations and teaching ideas for their science classes
- To introduce techniques and tools for data acquisition
- To encourage participants to create their own materials
- To provide an opportunity for participants to meet and exchange experiences with teachers from

different countries and to consider the setting up of educational projects and inter-school links

- To increase the awareness on earthquake hazards

Methodology

- Lectures and discussion on the teaching of seismology in secondary schools
- Introduction to practical activities that can help the teaching of earth science in schools
- Day on field
- Project and on exchange of experiences through the European teacher's community

### Pre-departure program

Suggested websites:

<http://www.bgs.ac.uk/ssp>

<http://www.edusismo.org>

<http://www.iris.edu>

<http://www.rissclab.unina.it>

<http://www.seismoatschool.ethz.ch>

<http://www.sismoscholar.it>

### Type of certification of attendance awarded

Certificate of participation stating course title, location, dates, summary of content, number of hours  
(*delivered before participants' departure*)

### Follow-up activities

- Distance learning activities
- Email contacts with trainers

It is hoped that participants:

- Keep in touch each other and keep developing contacts with other participants of the course.
- Create and adapt materials to use them in their classrooms.

### Information on course session/s

Date of start: October 20, 2014      Time of start: 8.30 am

Date of end: October 24, 2014      Time of end: 18.00 pm

Contact person for the course session: **Dr. Anne Sauron**

Tel : +41 789 13 15 76

Email: [anne@sed.ethz.ch](mailto:anne@sed.ethz.ch)

### Identification of the trainer/s

Name: **Paul Denton**

Professional qualification: Researcher (BGS, United Kingdom)

Role during the training: Trainer

Name: **Aldo Zollo**

Professional qualification: Professor (University of Naples, Italy)

Role during the training: Trainer

Name: **Jean-Luc Berenguer**

Professional qualification: Science Teacher (CNRS, France)

Role during the training: Trainer

Name: **Stefano Solarino**

Professional qualification: Researcher (INGV, Italy)

Role during the training: Trainer

Name: **Gilles Hillel Wust-Bloch**

Professional qualification: Researcher (TAU, Israel)

Role during the training: Trainer

Name: **Jalal Dabbeek**

Professional qualification: Researcher (Najah, Palestine)

Role during the training: Trainer

Name: **Joseph Moerschell**

Professional qualification: Researcher (HES-SO, Switzerland)

Role during the training: Trainer

Name: **Anne Sauron**

Professional qualification: Researcher (ETH, Switzerland)

Role during the training: Trainer

### **Participation costs**

Course Fee (in euro): 750 (*for the whole course*)

Payment is due 2 months before the course starts

### **Cancellation rules**

There is no cancellation fee

### **Cancellation of the training event**

If the training event will be cancelled, the participant will not be charged with any costs and any course fee paid by participants will be reimbursed.

### **Provision for special needs** (*disabled, dietary, religious, ethnic,...*)

Every reasonable effort will be made to accommodate special needs if required.

### **Information about course and payment**

Contact person: **Dr. Anne Sauron**

Email: [anne@sed.ethz.ch](mailto:anne@sed.ethz.ch)

Institut of Geophysics

ETH Zürich

NO HO 62, Sonneggstrasse 5

8092 Zürich

Telefon: +41 789 13 15 76