

Information

Training Course “Seismology@School”

Venue

Hes-so Valais- Wallis
 Route de Rawyl 47,
 1950 Sion, Switzerland
www.hevs.ch

Training activity

Structured training course

Thematic fields of training activity

Earth Science: seismology, tectonics, Geodynamics,
 Physics: sensors, waves, data logging, signal analysis, modeling earthquakes
 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 -Zürich- Eidgenössische Technische Hochschule (Switzerland)
 HES-SO Valais – Haute Ecole Spécialisée de Suisse Occidentale(Switzerland)
 INGV - Istituto Nazionale di Geofisica e Vulcanologia, (Italy)

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 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: 19.00 pm

Contact person: Dr. Anne Sauron

Institut of Geophysics, ETH Zürich

NO HO 62, Sonneggstrasse 5

8092 Zürich

Telefon: +41 789 13 15 76

Email: anne@sed.ethz.ch

Identification of the trainer/s

Name: **Jean-Luc Berenguer**

Professional qualification: Science Teacher (CNRS, France)

Role during the training: Trainer

Name: **Jean-Pierre Burg**

Professional qualification: Professor (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Jalal Dabbeek**

Professional qualification: Professor (Najah, Palestine)

Role during the training: Trainer

Name: **Luis A. Dalguer**

Professional qualification: Researcher (Swissnuclear, Switzerland)

Role during the training: Trainer

Name: **Paul Denton**

Professional qualification: Researcher (BGS, United Kingdom)

Role during the training: Trainer

Name: **Blaise Duvernay**

Professional qualification: Researcher (BAFU, Switzerland)

Role during the training: Trainer

Name: **Jean-Luc Epard**

Professional qualification: Researcher (University of Lausanne, Switzerland)

Role during the training: Trainer

Name: **Donat Fäh**

Professional qualification: Professor (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Domenico Giardini**

Professional qualification: Professor (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Marianne Marot**

Professional qualification: Researcher (Geoazur, France)

Role during the training: Trainer

Name: **Arnaud Mignan**

Professional qualification: Researcher (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Joseph Moerschell**

Professional qualification: Researcher (HES-SO, Switzerland)

Role during the training: Trainer

Name: **Roberto Peruzzi**

Professional qualification: Professor (Bureau d'ingénieurs civils Kurmann & Cretton SA, Switzerland)

Role during the training: Trainer

Name: **Anne Sauron**

Professional qualification: Researcher (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Stefano Solarino**

Professional qualification: Researcher (INGV, Italy)

Role during the training: Trainer

Name: **Bozidar Stojadinovic**

Professional qualification: Professor (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Gülüm Tanircan**

Professional qualification: Assoc. Professor (Kandilli Earthquakes center, Turkey)

Role during the training: Trainer

Name: **Stefan Wiemer**

Professional qualification: Professor- Director of the SED (ETH Zürich, Switzerland)

Role during the training: Trainer

Name: **Gilles Hillel Wust-Bloch**

Professional qualification: Researcher (TAU, Israel)

Role during the training: Trainer

Participation costs

Course Fee (in CHF): NO

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

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

Accommodation:

Hôtel Chalet Royal

<http://www.chaletroyal.com/en/#>

Prices for Seismology@School training

1) CHF 60.00 (49 Euros) per person, per night in double occupancy

2) CHF 90.00 (73 Euros) per person, per night, single occupancy

Contact Anne Sauron to make your reservation

