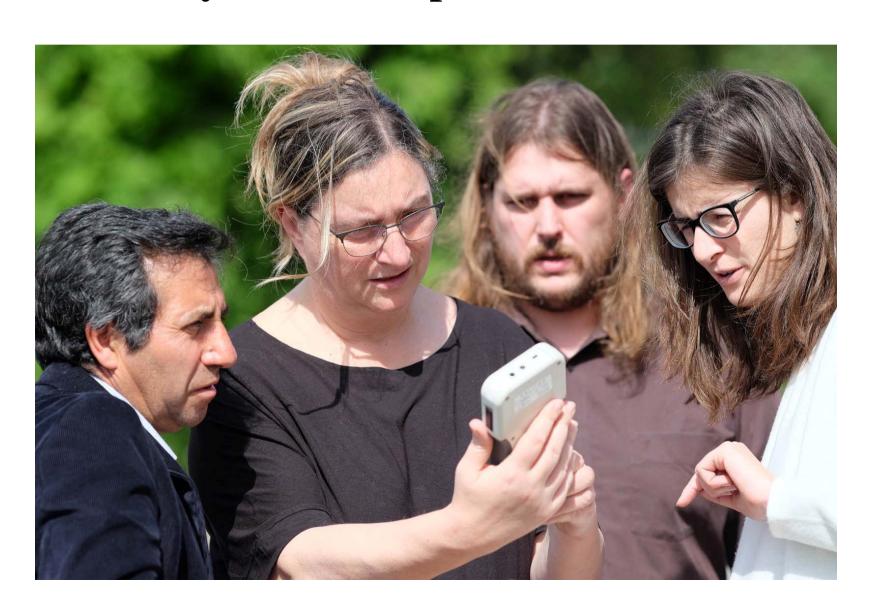
Insegnaci Etna

Summary after the April 16-18 seminar



What is InsagnaciEtna?

- A network of school willing to exchange knowledge in the field of geosciences
- An educational Observatory
- Yearly 4-days seminars in the Etna area
- A workshop for the development of sensors and information systems at school

Network of school willing to exchange knowledge in the field of geosciences

- Schools from the Etna area (stage 1 2018)
- Schools from others places in Italy and Europe (stage 2 2019)
- Teachers willing to be involved
- Students (and teachers!) interested in the content of the school

Educational Environmental Observatory

- Sensors in the schools from the Etna area
 - Cheap but professional
 - May be developed / built by the teachers and their students
 - Various fields (seismology, atmosphere, sea, geodesy, remote sensing)
- Repositories for data and products
- Software to work on the data
- Connection with the operational observatories
- Teachers, technical staff and students interested in the observatory activities
- Local hub

Yearly 4-days seminars in the Etna area

- 24 teachers
 - 12 from Italy
 - 8 from the partner schools from around Etna
 - 4 from the rest of Italy
 - 12 from other countries (start with Mediterranean countries)
- 6 lecturers
- Rotating locations around Etna (eastern coast, interior, Catania area, Paesi Etnei, ...?)
- Strategy for getting the teachers together during the seminars (logistics, accommodation, ...)
- Strategy for the language (during the seminars, for the educational material for teachers and for students)

Development of sensors and information systems at school

- Promote the development / assembly of sensors by the students themselves
- Promote and use didactic equipments
 - Sismobox (to be built within IETNA)
 - Calitoo

Partners

- USR Sicilia & scools from around Etna
- Lycée international de Valbonne
- Université Côte d'Azur
- Università Roma Tre
- Ecole Normale Supérieure
- Istituto Nazionale di Geofisica e Vulcanologia
- ... others welcome
- European Geosciences Union

Supporting projects

- EDUMED (Project 2017-2021 ANR France)
- GIFT for teachers (EGU)
- Project of the partners schools from the Etna area & USR Sicily
- CNES and ESA support for education

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Web resources

- InsegnaciEtna web site: http://ietna.eu
 - Editors will be needed!
- InsegnaciEtna data repositories :
 - UCA / EDUMED for the seismic data
 - To be determined for the other data
 - Link to operational Observatories servers

Technical developments

- Promote the development of sensors, integrated sensors, software, web interfaces
- Works toward rugged instruments that could be installed in the field
- Envisage the possibility of equipment to be installed temporarily in the field during an event
- Consider the possibility of using sensors on board of satellites

Agenda for 2018 and 2019

- May 2018 : inventory of available existing sensors in the schools
- May 2018 September 2018 : looking for candidate teachers from Europe interested by the 2019 seminar
- September 2018: Putting in contact professors from the various schools from Etna and Europe
- October 2018 : installation of sensors in partner schools & operation of those sensors with their classes
- March 2019 : benchmarking the status of the didactic observatory
- April 2019 : some InsegnaciEtna teachers to attend the EGU in Vienna
- October 2019 : InsegnaciEtna2019