INGV ANNALS OF GEOPHYSICS

HOME ABOUT LOGIN REGISTER SEARCH ANNOUNCEMENTS INGV ARCHIVES

CURRENT

Powered by OJS, engineered and maintained by 4Science.

USER



MOST VIEWED

OPERATIONAL EARTHQUAKE FORECASTING....
ObsPy - What can it do for data...
Twitter earthquake detection:...
Magnitude and energy of earthquakes
Comparison between low-cost and...

AUTHOR GUIDELINES

EARLY PAPERS

Vol 61, 2018

FAST TRACKS

- Vol 56, Fast Track 1, 2013
- Vol 57, Fast Track 2,
- 2014 • Vol 58, Fast Track 3,
- 2015 • Vol 59, Fast Track 4,
- 2016
- Vol 59, Fast Track 5. 2016
- Vol 60, Fast Track 6,
- 2017 • Vol 60, Fast Track 7,
- 2017
- Vol 61, Fast Track 8, 2018

ARTICLE TOOLS

Indexing metadata
 How to cite item
 Email this article (Login required)
 Email the author
 (Login required)

ABOUT THE AUTHORS

OK

A. Bobbio Istituto Nazionale di Geofisica e Vulcanologia, Sezione OV, Napoli, Italia

New tools for scientific learning in the EduSeis project: the e-learning experiment A. Bobbio, L. Cantore, N. Miranda, A. Zollo

Abstract

Home > Vol 50, No 2 (2007) > Bobbio

The Educational Seismological Project (EduSeis) is a scientific and educational project, the main aim of which is the development and implementation of new teaching methodologies in Earth Sciences, using seismology as a vehicle for scientific learning and awareness of earthquake risk. Within this framework, we have recently been experimenting with new learning and information approaches that are mainly aimed at a high school audience. In particular, we have designed, implemented and tested a model of an e-learning environment in a high school located in the surroundings of the Mt. Vesuvius volcano.

The proposed e-learning model is built on the EduSeis concepts and educational materials (web-oriented), and is based on computer-supported collaborative learning. Ten teachers from different disciplines and fifty students at the I.T.I.S. Majorana technical high school (Naples) have been taking part in a cooperative e-learning experiment in which the students have been working in small groups (communities). The learning process is assisted and supervised by the teachers. The evaluation of the results from this cooperative e-learning experiment has provided useful insights into the content and didactic value of the EduSeis modules and activities. The use of network utilities and the Learning Community approach promoted the exchange of ideas and expertises between students and teachers and allowed a new approach to the seismology teaching through a multidisciplinary study.

Keywords

elearning;Jigsaw method;EduSeis web tools

Full Text: PDF

References

DOI: https://doi.org/10.4401/ag-3080

Published by INGV, Istituto Nazionale di Geofisica e Vulcanologia - ISSN: 2037-416X

Fisiche, Università di Napoli "Federico II", Italy

N. Miranda ITIS "E. Majorana", Somma Vesuviana, Napoli, Italy

A. Zollo Dipartimento di Scienze Fisiche, Università di Napoli "Federico II", Italy

JOURNAL

CONTENT

Search , Search Scope All

Browse 🚺 By Issue By Author D By Title

Journal Help

KEYWORDS

Central Italy Earthquake GPS Historical seismology Ionosphere Irpinia earthquake Italy Mt. Etna Seismic hazard Seismic hazard assessment Seismology UN/IDNDR earthquake earthquakes historical earthquakes ionosphere magnetic anomalies paleoseismology seismic hazard seismicity seismology

NOTIFICATIONS

View Subscribe

USAGE STATISTICS INFORMATION

We log anonymous usage statistics. Please read the privacy information for details.