

## ANNOUNCEMENT

# VESUVIUS 2000 - forum 2004

[www.westnet.com/~dobran/VESUVIUS\\_forum04.html](http://www.westnet.com/~dobran/VESUVIUS_forum04.html)

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**Place:** Villa Campolieto, Herculaneum (Naples), Italy

**Date:** September 2 and 3, 2004

The VESUVIUS 2000 project was launched in 1995 for the purpose of reducing the number of people living in the close proximity of Mt. Vesuvius. To properly address the multidimensional nature of the Vesuvius problem requires the development of global simulation models of future eruption events, education of the population of volcanic risk, development of urban planning and socio-economic scenarios for relocating people, and establishment of living and recreation areas and economic opportunities at safe distances from the volcano. For this purpose, an interdisciplinary group of computer simulation experts, economists, urban planners, sociologists, historians, and volcanologists was assembled and a work plan was presented to the European Union in 1995 for a support, but this support was declined.

Nevertheless, the objectives of VESUVIUS 2000 project and some of its results have been presented to the population of the Vesuvius area and at international scientific meetings through more than 150 seminars and presentations. Recently, some of these objectives have also been adopted by Regione Campania that is responsible for risk management in an attempt to "save" the failed evacuation plan, but these objectives cannot be accomplished without supporting a high level interdisciplinary technical expertise.

You are invited for a forum in the Vesuvius area on September 2 and 3 to become familiar with a unique project and participate in the solution of the Vesuvius problem.

High quality contributions will be peer reviewed and published into a symposium volume shortly after the meeting.

## **Technical Forum:**

1. Vesuvius area territory: geography, social and demographic structure, volcanic risk educational activities, sociological and historical perspectives, urban planning.
2. Physical modeling of eruption scenarios: magma ascent and magma chamber dynamics, pyroclastic dispersions, global volcanic simulation, physical and chemical properties of rocks and melts.
3. Past and future eruption scenarios and structure of the volcanic system.
4. Risk mitigation strategies based on computer simulations and/or probabilistic inferences.
5. Environmental issues: volcanic vs. water, land, and air pollution risks.
6. Risk management responsibilities: scientific vs. public perceptions of risk, roles of scientists and public officials,

## **Guided Excursions:**

1. Ruins of Pompeii.
2. Around Vesuvius and Villa Augustus (Somma Vesuviana).

## **Scientific Program:**

1. Submission of 500-word abstracts to the organizers: by July 1, 2004
2. Notification of abstract acceptance: by July 15, 2004
3. Listing of symposium details and abstracts on the Internet: by July 15, 2004  
([www.westnet.com/~dobran/VESUVIUS\\_forum04.html](http://www.westnet.com/~dobran/VESUVIUS_forum04.html))
4. Submission of technical papers: by October 15, 2004
5. Technical sessions and excursions: September 2 and 3, 2004