



APAT

Italian Agency for Environment
Protection and Technical Services

Seismically Induced Ground Ruptures and Large Scale Mass Movements

**Field Excursion and Meeting
21-27 september 2001**

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Index

Preface

ITINERARY

1	GEOLOGICAL AND TECTONIC SETTING OF THE APENNINES AND CALABRIAN ARC	1
2	NEOTECTONICS AND LARGE-SCALE GRAVITATIONAL PHENOMENA IN THE UMBRIA-MARCHE APENNINES, ITALY	17
	SOME REMARKS ON THE RELATIONS BETWEEN THE 1972 ANCONA EARTHQUAKE SEQUENCE AND THE ANCONA LANDSLIDE	31
3	CAMERINO (MC) - COLFIORITO (PG). 1997 CENTRAL ITALY EARTHQUAKE: TECTONIC GROUND RUPTURE ALONG THE COSTA FAULT (COLFIORITO) AND LARGE SCALE GRAVITATIONAL PHENOMENA NEAR SELLANO (PG)	35
	COLFIORITO (PG) - RIETI, VALLE DEL SALTO. HOLOCENE SURFACE FAULTING ALONG THE FIAMIGNANO FAULT AND ASSOCIATED LARGE SCALE SLOPE DEFORMATION	57
4	GRAVITATIONAL PHENOMENA TRIGGERED BY THE 1980 SOUTHERN ITALY EARTHQUAKE	69
	SLOPE MOVEMENTS TRIGGERED BY THE 1980 IRPINIA EARTHQUAKE	77
5	CASTROVILLARI (CS). EARTHQUAKE INDUCED GROUND RUPTURES AND PALEOSEISMOLOGY IN THE MT. POLLINO AREA	85
	NORTH CALABRIA – 1783 AND 1905 EARTHQUAKE-TRIGGERED LANDSLIDES	100
	THE ANCIENT LARGE LANDSLIDE OF MOUNT MARTINELLA-SAN LUCIDO (CS),	104
	IN THE CALABRIAN COASTAL CHAIN, AND ITS REACTIVATION BY THE CALABRIAN EARTHQUAKES OF 1783	
	MARTIRANO (CZ). LANDSLIDE REACTIVATED BY THE 1638 AND 1905 EARTHQUAKES	107
	THE SEISMICITY OF MARTIRANO AREA	109
	ACKNOWLEDGEMENTS	111

Since October 6, 2002, the **Italian Agency for Environment Protection and Technical Services (APAT)** has been operative. This new institution incorporates the former Italian Agency for Environment Protection (ANPA) and the Technical Services of the Presidency of the Council of Ministers, (Geologic, Hydrographic and Mareographic Services).

According to the directives, and under the supervision of the Ministry for the Environment and Territory, **APAT** will keep on carrying out all the technical-scientific tasks for which it has been responsible so far, consisting in the protection, monitoring and control of the environment, soil and water protection, prevention of technological risks and nature conservation. So far as its institutional duties are concerned, **APAT** will continue being a reference point in terms of collaboration, consultancy, assistance, service and support to the Public Administrations, as defined by relevant agreements.

In the framework of a consolidated environmental network, it will be always responsibility of the Agency, to work towards the integration of the Informative System into the SINA network, in which both the National Cartographic System and the Environmental Regional Informative Systems (SIRA) will have to be integrated.

APAT's targets, priorities and resources will be defined by a triennial activity program, updated on a yearly basis, according to the directives coming from the Ministry for the Environment and Territory.

APAT's bodies consist in the General Director (assisted by a consultive Committee) and the Board of Revisors; the Agency is divided into Departments and interdepartmental Services. A new feature is represented by the institution of a Federal Council, headed by the General Director and composed of legal representatives of the Regional and Provincial Agencies for Environment Protection (the ARPAs and APPAs), and one representative of the State-Region Conference.

Within this new framework, the correctness, reliability and integrity of the data and technical surveys performed by the Agency's experts, which always characterized the institutional reports and documents previously produced by ANPA, will be improved by **APAT**, in such a way as to contribute to the transparency and authoritiveness of the environmental information.

The General Director
Giorgio Cesari

Preface

In the framework of the APAT (the Italian Agency for Environment Protection and Technical Services) activities dealing with the prevention and reduction of hydro-geologic risks, between September 21 and 27, 2001, a field workshop, titled "Seismically Induced Ground Rupture and Large Scale Mass Movements" has been held.

The organization of the event was carried out in strict co-operation with the Department of Geological Sciences of "Roma Tre" University, the Department of Earth Sciences of Camerino University, the Department of Chemical, Physical and Mathematical Sciences of Insubria University of Como, IRPI-CNR in Cosenza, and with the patronage of INQUA (International Union for Quaternary Research).

People from universities, research institutions and professionals of Italy, U.S.A., Australia, Japan, Venezuela, France, Sweden, Belgium, Poland and Egypt have taken part in the event.

With the purpose of providing the convenors with guidance, a "Field Trip Guide Book" was produced. A significant improvement of this book has resulted in the present document, representing a useful tool for understanding the structural-geological framework of the central and southern Apennines, as well as the relationship between neotectonics, seismic features and gravitational phenomena which characterize this mountain belt.

This document is, therefore, intended to provide a contribution to the knowledge of Italy's physical environment which, due to its relatively young geologic and geomorphologic framework, is particularly subjected to natural phenomena such as earthquakes and landslides that are potentially catastrophic in terms of human consequences, unless an adequate awareness of their evolutive dynamic processes is raised.

The General Director
Giorgio Cesari

