

Curriculum Vitae (CV) with professional experience

Massimo Cocco

Born on August 4, 1960, in Rome, Italy, citizen of Italian Republic.

Current position:

Senior Researcher, Seismologist at the Istituto Nazionale di Geofisica e Vulcanologia (INGV)
Senior Researcher at the Seismology and Tectonophysics Department, Roma 1

Academic record:

1984 - graduated in physics; Diploma Thesis in seismology at Faculty of Physics, La Sapienza University, Rome.

Positions Held

1985-1987 Research fellowship at the Istituto Nazionale di Geofisica (ING), Rome.
1987-1991 Researcher at the Istituto Nazionale di Geofisica, Rome.
1991-1997 Associate Researcher at Istituto Nazionale di Geofisica, Rome.
1991-1993 Chief of the National Seismic Network managed by ING.
1995-1996 Professor of Seismology at the University of Bologna (temporary position).
1996-1998 Professor of Seismology at the University of Milan (1996-1997; 1997-1998)
(temporary position).
1998-2000 Professor of Seismology at the University of Rome III (1998-1999; 1999-2000)
(temporary position).
2001-2007 Director of the Department of Seismology and Tectonophysics at INGV
1997-present Senior Researcher at Istituto Nazionale di Geofisica, Rome

Research activities:

- (1) Strong motion seismology;
- (2) Earthquake physics;
- (3) Seismic Monitoring and management of Research Infrastructures;
- (4) Fault interaction and seismicity patterns;
- (5) Seismic hazard and engineering seismology.

Scientific Interests:

Massimo Cocco is a Director of Research at the Istituto Nazionale di Geofisica e Vulcanologia, sezione Seismology and Tectonophysics, Rome. His research interests are focused on the physics of earthquakes and faults. More specifically, his work deals with earthquake dynamics and fault interaction, seismicity patterns and fault frictional properties. He is interested in both theoretical studies and observational researches. He has interests in all aspects of the mechanics of earthquake and faulting from observations of natural faults through geophysical and geological measurements to experimental faults at the laboratory scale. His expertise also covers the management of seismic networks and monitoring research infrastructures. He has coordinated the Preparatory Phase and is presently coordinating the Implementation Phase of the European Project named EPOS: European Plate Observing System. Its mission is the long-term integration of research infrastructures for solid Earth Science (www.epos-eu.org).

Teaching:

Faculty of Physics, University of Bologna, 1995-1996
Faculty of Earth Sciences, University of Milano, 1996-1998
Faculty of Geology, University of Rome III, 1999-2000
Rose School, University of Pavia, 2009

Supervisor of 18 Diploma Thesis and 8 PhD. Theses

Professional Associations:

Member of Seismological Society of America (1986-1999)

Member of American Geophysical Union

Member of European Geophysical Society

Member of the European Seismological Commission

Membership in scientific commissions:

Member of the Scientific Council of the Istituto Nazionale di Geofisica 1999-2001

Member of the Commission for Development of Earth Science of CNR, comitato 05.

Member of the Commission for Monitoring of Volcanoes for the GNV of CNR

Member of the Scientific Council of the Gruppo Nazionale per la Difesa dai Terremoti (GNDT).

Member of the Commission of the Italian Civil Protection for the proposition of the Coordinated Research Framework Program of the National Group of Volcanology (GNV).

Member of the Commission of the Italian Civil Protection for the proposition of the Coordinated Research Framework Program of the Gruppo Nazionale Difesa dai Terremoti (GNDT).

Member of the Executive Committee of the European Seismological Commission (ESC), sub-commission SC-C Physics of the Earthquake Sources.

Member of the Commission for Defending PhD. Thesis in Geophysics in Italy and France.

Member of the Board of Directors of INGV.

Member of the Scientific Council of the European Centre for Training and Research in Earthquake Engineering (EUCENTRE).

Member of the Scientific Board of the Global Earthquake Model (GEM).

Member representing Italy in the ESFRI Working Group on investment strategies in e-infrastructures (2016).

Membership in editorial boards:

Associate Editor for Journal Geophysical Research, Solid Earth. (2002-2004)

Associate Editor for Journal of Seismology. (until 2008)

Associate Editor for Annali di Geofisica (now Annals of Geophysics).

Editor for Geophysical Journal International

Professional record:

1985 research grant at the Istituto Nazionale di Geofisica (ING).

1987 permanent position as Researcher at ING,

1988 3-month working visit to U.S. Geological Survey, Menlo Park, USA.

1991 permanent position as Associate Researcher at ING.

1991-1993 Director of the Italian Seismic Network.

1996 3-month working visit to U.N.A.M. University, Mexico City.

1997 permanent position as Head Researcher at ING.

1999 3-month working visit to IPGP Paris, France.

2001-2007 nominated Head of the Department of Seismology and Tectonophysics at INGV.

Scientific Activity

Author of 115 papers on International Scientific Journals. H index = 37 (updated May 2016).

Invited lectures and seminars given during short visits and research stages in international institutions.

Presenting author of more than 150 communications at scientific international meetings.
Editor of 2 special issues on *Annali di Geofisica* and *Journal of Seismology*.
Editor of 1 special issue on *Journal of Geophysical Research*.
Director of several schools and conferences in Solid Earth Geophysics in 1993, 1998, 2002, 2007, 2008, 2010, 2012, 2013.
Organizer of a European Science Foundation Conference in Earthquake Mechanics in 1999.

International Grant Projects:

EC FRAMEWORK PROGRAM Grant Project CII-CT92-0025 in collaboration with UNAM Mexico City and University J. Fourier Grenoble, partner.
EC 5th FRAMEWORK PROGRAM Grant Project ENV4-CT97-0528, (FAUST), ***Fault as Seismological Tool***, 2002-2004, partner.
EC 5th FRAMEWORK PROGRAM Grant Project EVG1-CT-1999-00001, (PRESAP), 2001-2003, Italian Coordinator.
EC 6th FRAMEWORK PROGRAM Integrated Project LessLoss 2004-2007, Coordinator of INGV team.
EC 6th FRAMEWORK PROGRAM STREP Project 3HZCorinth 2004-2006.
Bilateral Cooperation between Italy and Slovak Republic, Foreign Affairs Ministry.
EC 6th FRAMEWORK PROGRAM STREP SAFER 2006-2009.
EC 6th FRAMEWORK PROGRAM I3 Capacities NERIES 2006-2010.
EC Proposal for upgrading the ESFRI Roadmap EPOS European Plate Observing System 2008
EC 7th FRAMEWORK PROGRAM I3 Capacities NERA 2010-2014.
EC Preparatory Phase Project: **EPOS European Plate Observing System**, Project Coordinator, (www.epos-eu.org), 2010-2014 (4.5 M€)
Principal Investigator of the ICDP project MOLE (Multidisciplinary Observatory and Laboratory of Experiments in Central Italy) for deep drilling in the Apennines.
EC Implementation Phase Project: **EPOS European Plate Observing System**, Project Coordinator, (www.epos-eu.org), 2015-2019 (18.4 M€)

Grant Projects in the Italian Republic:

Coordinator of the GNDT national project “*Development and Comparison between Methodologies for the Evaluation of Seismic Hazard in Seismogenic Areas: Application to the Central and Southern Apennines*” financed by the Italian Civil Protection through the GNDT. participant in 2 and principal investigator in 4 projects.

Coordinator of the Research Unit 6 for the project FIRB Airplane “Piattaforma di ricerca multidisciplinare su terremoti e vulcani” Protocollo: RBPR05B2ZJ_006, Coordinator: Prof. Enzo Boschi.

Coordinator of the Research Unit 4 for the project FIRB Internazionali RBIN047WCL (Assessment and Reduction of Seismic Risk to Large Infrastructural Systems) Italia-Turchia, Coordinator: Prof. Gian Michele Calvi, Responsabile UR4: Massimo Cocco.