CURRICULUM VITAE

# Prof. Claudio Margottini

Engineering Geology · Rock Mechanics · Geo-hazards · Conservation of Cultural Heritage

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| 371 | 89 | 30 | 45+ | 15 |
|---|---|---|---|---|
| scientific publications and books | heritage sites investigated | countries | years of research, since 1980 | awards and honours |

## PERSONAL INFORMATION

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| **Surname(s) / First name(s)** | Margottini Claudio |
| **Address(es)** | 19, Strada Ponte Sodo, 01100, Viterbo, Italy |
| **Telephone(s)** | Mobile +39 348 7371805 (Ita) |
| **E-mail** | claudio.margottini@unifi.it<br>claudio.margottini@gmail.com |
| **Nationality** | Italy |
| **Date of birth** | 17.01.1957 |
| **Gender** | Male |
| **Occupational field** | Engineering Geology (Full Professor hab.) |

## AFFILIATIONS

**UNESCO Chair on the Prevention and Sustainable Management of Geo-Hydrological Hazards, University of Florence • Florence • Italy**
Adjunct Professor and co-founder

**International Association for the Engineering Geology and Environment (Italian National Group)**
President

**National Institute of Oceanography and Applied Geophysics (OGS)**
Associate

**Galala University • Egypt**
Professor of Engineering Geology — Claudio.Margottini@Gu.edu.eg

**NRIAG – National Institute for Astronomy and Geophysiscs • Egypt**
Adjunct Professor

**CIRPS – Inter-university Centre for Sustainable Development**
ICOMOS Member

**Italian Embassy in Egypt • Cairo • Egypt**
Former Scientific Attaché

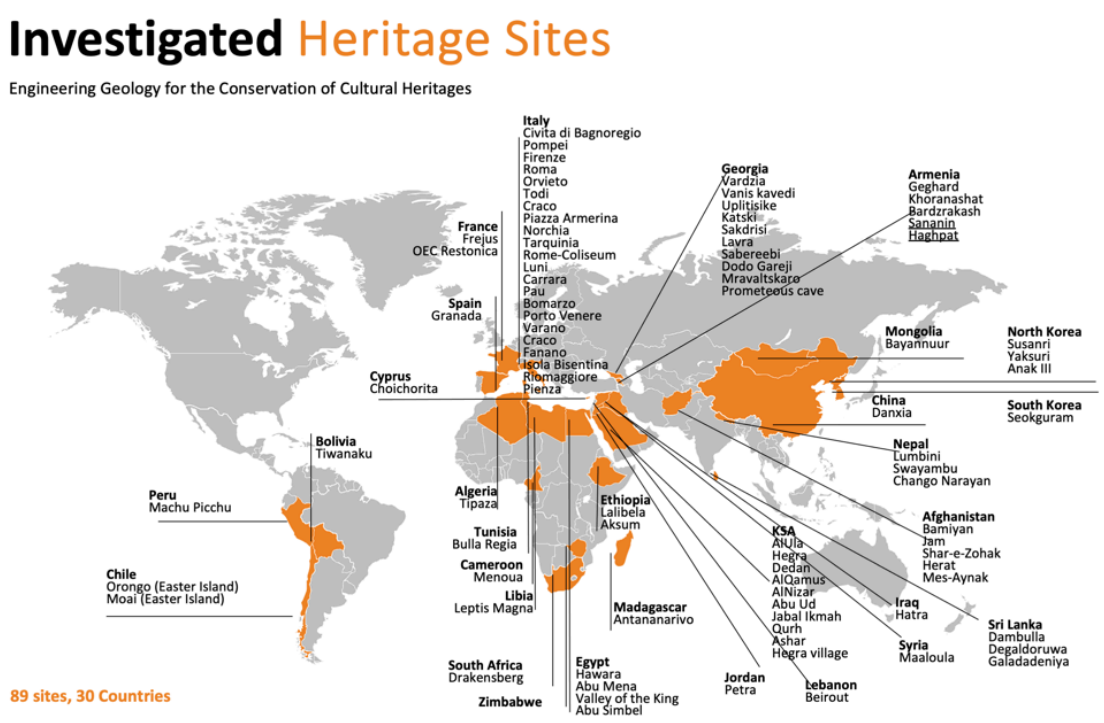
PROFILE

# Scientific profile at a glance

**Personal scientific categories** · Web of Science · *Source: wcs.webofknowledge.com*




**Main scientific projects** · investigated heritage sites worldwide



SCIENTIFIC STANDING

# Current positions and memberships

### PRESENT POSITION

President of International Association for the Engineering Geology and Environment – Italy

UNESCO Chair on Prevention and sustainable management of geo-hydrological hazards at the University of Florence (Italy), adjunct Professor and co- founder

National Institute of Oceanography and Applied Geophysics (OGS), Associate

Galala University (Egypt), adjunct Professor

National Research Institute for Astronomy and Geophysics – NRIAG (Egypt), adjunct Professor

Centro Interuniversitario di Ricerca per lo Sviluppo Sostenibile (CIRPS)

### SCIENTIFIC POSITIONS

Full Professor in Engineering Geology (National Scientific Qualification, 2017)

Adj. Professor and co-founder of UNESCO Chair on Prevention and sustainable management of geo-hydrological hazards at the University of Florence (Italy)

Scopus ID: 6507118987

ORCID n.: https://orcid.org/0000-0001-5045-9942.

Web of Science ResearcherID: G-6816-2015

Google Scholar: http://scholar.google.com/citations?user=jXy_wzkAAAAJ

Research Gate: https://www.researchgate.net/profile/Claudio_Margottini

### ASSOCIATIONS

International Association for Engineering Geology (IAEG)

Associazione Geotecnica Italiana (AGI)

International Society for Rock Mechanics

International Council of Monuments and Sites (ICOMOS) Italia

Blue Shield Italy

Associazione Italiana Geologia Applicata ed Ambiente (AIGAA)

International Association for Promoting Geoethics (IAPG)

Societa Italiana di Geologia Ambientale (SIGEA)

Associazione Nazionale Carabinieri

Ordine dei Geologi Regione Lazio.

CAREER

# Work experience

13 entries

**From 1 March 2023 until 28 February 2027**

**President**

Coordination and Development of Scientific and Technological activities in the field of Engineering Geology

**International Association for the Engineering Geology and Environment (Italian National Group)** · To promote and to disseminate the advancement of Engineering Geology.

**From 9 October 2016 until 8 October 2020**

**Scientific and Technological Attaché**

Coordination and Development of Scientific and Technological activities between Italy and Egypt

**Embassy of Italy in Cairo (Egypt)** · Science Diplomacy

**From 1st January 2011 until 7 October 2020 and since 10 October 2022 until 30 April 2022**

**First researcher**

Senior scientist

**ISPRA - Italian Institute for environmental protection and research (Former APAT, Italian Environmental Agency), Dpt. Geological Survey of Italy** · Engineering geology and rock mechanic, Protection of Cultural Heritages from Natural Hazards, Landslides in rock material, Natural disasters, Geothermal energy.

**From 1st June 2007 until 31st December 2010**

**First researcher**

Coordination and development of International Activities at Dpt. Geological Survey of Italy

**ISPRA - Italian Institute for environmental protection and research (Former APAT, Italian Environmental Agency), Dpt. Geological Survey of Italy** · Engineering geology and rock mechanic, Protection of Cultural Heritages from Natural Hazards, Landslides in rock material, Natural disasters, Climate Change.

**01/01/2006 - 30/05/2007**

**Researcher**

First researcher

**ENEA – Italian Agency for New technology, Energy and Economic Sustainable Development (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Research, Development and Coordination of multidisciplinary projects in the filed of climate change, Protection of Cultural Heritages from Natural Hazards, Rock mechanic, Engineering seismology,

**01/06/2001 - 31/12/2005**

**Researcher**

First researcher

**ENEA – Italian Agency for New technology, Energy and Economic Sustainable Development (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Research, Development and Coordination of multidisciplinary projects in the filed of climate change, Protection of Cultural Heritages from Natural Hazards, Rock mechanic, Engineering seismology,. Member of the advisory board of the European Commission, VI Framework Programme, DG Research, Global Change and Ecosystems

**01/01/1998 - 30/05/2001**

**Head of Section**

Head of the section Geological Dynamics and Territory of the Environment Department

**ENEA – Italian Agency for New technology, Energy and Economic Sustainable Development (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Coordination and management of the ENEA Division dealing with siting and safety of critical infrastructures and power plants (including nuclear and cultural heritages), through paleoclimatology, earthquake engineering, natural disaster, Land use planning and management,

**01/12/1995 - 31/12/1997**

**Head of Section**

Head of the section Geological Dynamics and Territory of the Environment Department

**ENEA – Italian Agency for New technology, Energy and Environment (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Coordination and management of the ENEA Division dealing with siting and safety of critical infrastructures and power plants (including nuclear and cultural heritages), through paleoclimatology, earthquake engineering, natural disaster, Land use planning and management,

**01/05/1994 - 30/11/1995**

**Head of Division**

Head of the Division of Earth Sciences of the Environment Department

**ENEA – Italian Agency for New technology, Energy and Environment (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Coordination and management of the ENEA Division dealing with siting and safety of critical infrastructures and power plants (including nuclear and cultural heritages), through paleoclimatology, earthquake engineering, natural disaster, Land use planning and management,

**01/05/1990 - 30/04/1993**

**Head of Division**

Head of the Division of Extreme Events of the Environment Department

**ENEA – Italian Agency for New technology, Energy and Environment (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Coordination and management of the ENEA Division dealing with siting and safety of critical infrastructures and power plants (including nuclear and cultural heritages), through paleoclimatology, earthquake engineering, natural disaster, Land use planning and management,

**01/06/1983 - 30/04/1990**

**Researcher**

Engineering seismology and seismotectonics

**ENEA – Italian Agency for New technology, Energy and Environment (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Safety and siting of Nuclear power plants

**01/10/1982 - 30/05/1983**

**Research contract**

Engineering seismology and seismotectonics

**ENEA – Italian Agency for New technology, Energy and Environment (former Italian Atomic Energy Commission) Lungotevere Thaon di Revel, 76 - 00196 Roma** · Safety and siting of Nuclear power plants

**24/11/1980 - 23/11/1981**

**Research grant**

Seismotectonic and historical seismicity of the Brasimone Nuclear Site (Central Italy)

**Italian Atomic Energy Commission, Via REgian Margherita 123, 00186 Rome** · Safety and siting of Nuclear power plants

COMPETITIVE CALLS WITH PEER REVIEW

# International research projects

33 entries

*Responsibility of international scientific research projects funded on the basis of competitive calls requiring peer review.*

**2026**

**Project Leader and Coordinator**
Developing a monitoring plan for the leaning minaret of Jam Minaret (Afghanistan).
**UNESCO Kabul** · Engineering geology

**2023 - 2024**

**Project Leader and Coordinator**
Hegra Condition Assessment.
**Royal Commission for Al Ula, Kingdom of Saudi Arabia (RCU)** · Developing a conservation plan for the archaeological site of Hegra, relatively to the ancient inhabited village (Kingdom da Saudi Arabia).

**2023 - 2024**

**Project Leader and Coordinator**
Slope stability for the archaeological sites of AlNizar and AlQamus in Khaybar region (Kingdom da Saudi Arabia).
**AFALULA (French Agency for the Development of AlUla) in cooperation with RCU (Royal Commission for AlUla)** · Developing a conservation plan against slope instabilities for the archaeological site/villages of AlNizar and AlQamus in Khaybar region (Kingdom da Saudi Arabia).

**2023 - 2024**

**Project Leader and Coordinator**
Stabilisation of a large rock block in Hegra
**AFALULA (French Agency for the Development of AlUla) in cooperation with RCU (Royal Commission for AlUla)** · Developing an operational project for the consolidation of an unstable large block above a Nabatean Well in Hegra.

**2023**

**Project Leader and Coordinator**
Developing a conservation plan against rockfall in the Georgian sites of Vardzia, Vanis, Uplitsike, Sabereebi, David Garenji.
**Georgia Agency for Cultural Heritage Preservation** · Risk assessment and conservation for the archaeological sites of Vardzia, Vanis, Uplitsike, Sabereebi, David Garenji (Georgia).

**2023**

**Co-Project Leader and co-Coordinator**
Developing a conservation plan against rockfall in the back-side of the large Buddha Niche in Bamiyan, Afghanistan.
**UNESCO** · Afghanistan.

**2023**

**Project Leader and Coordinator**
Developing a conservation plan against water infiltration in the archaeological sites of Dambulla, Degaldoruwa and Galadadeniya (Sri Lanka).
**UNESCO** · Risk assessment and conservation for the archaeological sites of Dambulla, Degaldoruwa and Galadadeniya (Sri Lanka).

**2022 - 2024**

**Coordinator of Local Partnership**
Italy-Cameroon Project on “municipality partnership against Covid-Sars 19”. Coordination of Italian partners and coordinator of capacity building in emergency management.
**Agenzia Italiana per la Cooperazione e lo Sviluppo / Amministrazione Comunale di Vasanello** · Project management and capacity building on Emergency Management.

**2020 - 2021**

**Co-Project Leader and coordinator**
Protection of Qurh site (AL-Ula, Kingdom da Saudi Arabia) from flash flood and weathering from water infiltration
**Royal Commission for Al Ula, Kingdom of Saudi Arabia (RCU)** · Investigating the impact of flash floods in the site of Qurh and defining of a proper mitigation project.

**2020 - 2021**

**Project Leader and Co-coordinator**
Investigating the potential geopark of Khaybar volcano (Kingdom da Saudi Arabia).
**French Agency for the Development of AlUla (AFALULA) and Royal Commission for Al Ula, Kingdom of Saudi Arabia (RCU)** · Geological survey and feasibility study for the possible inclusion of Khaybar volcano in the Geopark List of UNESCO.

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| 2020 - 2021 | **Project Leader and Co-coordinator**<br>Geohazards and rock instabilities in the sites of Hegra (WHL), Dadan, Al Ula old town, Abou Ud, Jabal Ikma (Kingdom da Saudi Arabia).<br>**French Agency for the Development of AlUla (AFALULA) and Royal Commission for Al Ula, Kingdom of Saudi Arabia (RCU)** · Conservation of cultural heritages and safety of visitors from rock fall and other rock instabilities in the sites of Hegra (WHL), Dadan, Al Ula old town, Abou Ud, Jabal Ikma. |
| 2017 - | **Project Leader and Coordinator**<br>Sustainable mitigation of Antananarivo geo-hazards<br>**Municipalité de Paris, France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, rock mechanic, natural hazards, climate change). Contribution to the inscription into the UNESCO World Heritage List. |
| 2016 - | **Co- founder and Adjunct Professor**<br>UNESCO chair on the Prevention and Sustainable Mitigation of Geo-Hydrological Hazards<br>**University of Florence, Italy** · Capacity building, monitoring, conservation of Cultural Heritages |
| 2015 – 2018 | **Project Leader and Coordinator**<br>PROTHEGO, Protection of European cultural heritage from geo - hazards,<br>**European Commission project** · Usage of satellite radar interferometry for the safeguard of UNESCO world heritage sites in Europe |
| 2012 – 2015 | **General Scientific Coordinator**<br>SIQ-STABILITY, Monitoring, with new technologies at low environmental impact, of the rock fall instability of Petra (Jordan)<br>**UNESCO, Amman, Jordan and ISPRA-Geological Survey of Italy** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, rock mechanic, natural hazards, climate change) |
| From January 2009 until present | **Scientific Coordinator of ISPRA, into the EEA European Topic Centre - Land Use and Spatial Information**<br>Supporting the European Environmental Agency in the development of a topic centre on land use and spatial information, mainly in the field of natural disasters; responsible for financial administration of the project (ISPRA partner)<br>**ISPRA - Italian Institute for environmental protection and research (Former APAT, Italian Environmental Agency) Dpt. Geological Survey of Italy, Via Curtatone, 3 - 00185 Rome (Italy)** · Land use planning and management |
| 2009 - 2011 | **Scientific Responsible of research unit (T6 Ecosystem)**<br>SCENARIO - Support on Common European Strategy for sustainable natural and induced technological hazards mitigation<br>**European Commission, DG Research** · Land use planning and management in disaster prone areas |
| From June 2008 until 2010 | **Scientific Responsible of research unit (T6 Ecosystem)**<br>ENSURE – Enhancing resilience of communities and territories facing natural and na-tech hazards<br>**European Commission, DG Research** · Land use planning and management in disaster prone areas |
| 2004-2007 | **General Scientific Coordinator**<br>Environmental Impact Assessment for the re-erection of the Rome-Aksum obelisk in the Aksum stelae park.<br>**UNESCO Rue de Miollis, Paris (France)** · Environmental Impact Assessment |
| 2004-2006 | **President of the Scientific Advisory Board**<br>Applied multi Risk Mapping of Natural Hazards for Impact Assessment<br>**Project Consortium** · European Commission DG Research, Land use planning and management in disaster prone areas |
| From 2002 - 2005 | **General Scientific Coordinator**<br>INTERFRASI - Ground based radar interferometry for the monitoring of archaeological structure and rock slides in the site of Machu Picchu (Peru).<br>**Italian Minister of Science and Education** · Conservation of cultural heritages from rock slide |

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| From 2002 - 2005 | **General Scientific Coordinator**<br>Realisation of an expert system for the landscape impact assessment of mitigation works in archaeological sites affected by landslides.<br>**Consorzio Civita** · Landslide science |
| From 2003 - 2004 | **General Scientific Coordinator**<br>European Commission support to the World Geological Congress Florence 2004.<br>**European Commission - DG Research** · Science dissemination |
| 1998-2003 | **Scientific Supervisor**<br>Guidelines for the Protection of cultural heritages from Natural disasters<br>**Italian Minister of Science and Education** · Conservation of cultural heritages from natural disasters |
| 2001 - 2003 | **Partner coordinator (Consorzio Civita)**<br>Innovative monitoring of Cultural Heritages sites affected by rock slide<br>**Italian Minister of Science and Education** · Conservation of cultural heritages from rock slide |
| 1999 - 2000 | **General Scientific Coordinator**<br>Landslide susceptibility in the Virginio watershed (Arno river basin)<br>**Arno river basin authority** · Landslide science |
| 1997 - 1999 | **Research Unit Scientific Coordinator (ENEA)**<br>TEMRAP – The European Multi-hazard Risk Assessment Project<br>**European Commissione DG Research** · Multi-hazard risk assessment and zoning |
| 1996 - 1997 | **General Scientific Coordinator**<br>TIGRA – The Integrated Geological Risk Assessment<br>**European Commission DG Research** · Multi-hazard risk assessment and zoning |
| 1994 - 1997 | **General Scientific Coordinator**<br>SEISMODOC – Electronic Library for Historical Documents Related to European Seismicity prior 1964<br>**European Commission DG Research** · Engineering seismology |
| 1993 - 1996 | **General Scientific Coordinator**<br>MEFISST - Meteorological factors influencing slope stability and slope movement type: evaluation of hazard prone areas<br>**European Commission DG Research** · Landslide science and climate change |
| 1991 - 1992 | **Research Unit Scientific Coordinator (ENEA)**<br>Determination of Magnitude for Italian earthquakes of XX century<br>**CNR – National Group for Protection against earthquakes** · Engineering seismology |
| 1990 - 1991 | **Research Unit Scientific Coordinator (ENEA)**<br>Investigation on historical earthquakes of Central Italy<br>**CNR – National Group for Protection against earthquakes** · Engineering seismology |
| 1988 - 1991 | **Research Collaborator**<br>Transfrontiers Historical Earthquakes in Europe<br>**European Commission** · Engineering seismology |

EXPERTISE AND APPOINTMENTS

# Other scientific experience

95 entries

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| 2026 | **Expert for the evaluation of project proposal**<br>Evaluating the consercation project of "Via dell'Amore" Riomaggiore, UNESCO WHL.<br>**Municipality of Riomaggiore** · Engineering Geology |
| 2026 | **Project leader**<br>Geological investigation on the area of Via Zabaglia (Rome), for a project of rehabilitation of the site.<br>**Studio Arriola & Fiol arquitectes S.C.P. di Barcellona (Spain)** · Engineering Geology |
| 2025 December – 2026 June | **Expert for the evaluation of project proposals**<br>Granting of funding for the internationalization of higher education institutions for art and music (AFAM); evaluation of the implemented work (PNRR – National Plan for Recovery and Resilience).<br>**Ministry of University and Research (MUR)** · Science evaluation |
| 2025 March – 2025 September | **Project leader**<br>Sustainable mitigation of rockfall hazard in the Bisentina Island (Bolsena Lake, Italy)<br>**FIDIM Italia** · Rockfall risk assessment and conservation of the Bisentina Island (Bolsena Lake, Italy) |
| 2022 - 2023 | **Project leader and scientific coordinator**<br>Developing a conservation plan against slope instabilities for the archaeological site/villages in Ashar Valley (AlUla, Kingdom da Saudi Arabia).<br>**EFS Saudi Arabia** · Rockfall risk assessment and conservation of the Ashar Valley (AlUla, KSA) |
| 2022 April - June | **President of the International Scientific Panel evaluating Italian proposals for new scientific technological infrastructures**<br>ITEC - President of the International Scientific Panel evaluating 25 projects proposed by Italian Universities and Research Centers, for a total value of 700 Million €, aimed at the modernization of technological infrastructure of Italian Scientific Community (PNRR – National Plan for Recovery and Resilience).<br>**Ministry of University and Research (MUR)** · Science evaluation |
| 2021-2024 | **Local Organizing Committee**<br>Coordinator of the local organizing committee of 6th World Landslides Forum, Florence, Italy, 2023.<br>**University of Florence** · Science communication |
| 2021-2024 | **Coordinator of Italian Network of International Consortium on Landslides**<br>Advancing landslide science and its practical application in the region for the benefit of society and the environment.<br>**Elected by members of Italian Network of International Consortium on Landslides** · Science development |
| 2021-present | **Coordinator of the Scientific Advisory Board for the UNESCO candidature of the "Cultural Landscape of Civita di Bagnoregio"**<br>Scientific support to the candidature, review documentations, promotion of the site worldwide<br>**Amministrazione Comunale di Bagnoregio** · Science communication and management |
| 2021-2022 | **Coordinator**<br>Coordination and teacher of the course for African young students: ENGINEERING GEOLOGY<br>**Centro Interuniversitario per lo Sviluppo Sostenibile** · Capacity building in Africa |
| 2021-2022 | **Coordinator**<br>Coordination and teacher of the course for African young students: INTERNATIONAL DISASTER MANAGEMENT<br>**Centro Interuniversitario per lo Sviluppo Sostenibile** · Capacity building in Africa |
| 2019 | **Project leader**<br>Leonardo da Vinci and landslides<br>**UNESCO Chair** · Science communication |

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| 2017-2020 | **Project leader**<br>Investigation on the evolution of Hawara pyramid: a landslide?<br>**UNESCO Chair** · Conservation of Cultural Heritage |
| 2015 | **Member of Advisory Board of Parco della Maddalena (Consiglio di Amministrazione)**<br>Planning the development and activities of the Park<br>**Minister of Environment Decree** · Management |
| 2015 | **Coordinator of Scientific Committee for Viterbo Italian Capital of Culture 2016-2017**<br>Participation to the National tender<br>**Municipality of Viterbo** · Management |
| 2015 - | **Engineering Geology expert**<br>Reducing the impact of landslides on the Changu Temple, Katmandu Valley (Nepal)<br>**UNESCO** · Conservation of Cultural Heritage |
| 2015 - | **Engineering Geology expert**<br>Reducing the impact of landslides on the Swayhambu temples, Katmandu valley (Nepal)<br>**UNESCO** · Conservation of Cultural Heritage |
| 2015 - | **Engineering Geology expert**<br>Strengthening the Conservation and Management of Lumbini, the Birthplace of the Lord Buddha, World Heritage Property, namely the Ashoka pillar and Mayadevi Temple<br>**UNESCO** · Conservation of Cultural Heritage |
| 2014 - 2017 | **Vice President of the International Consortium on Landslides (elected)**<br>Coordination and Development of international projects and activities on the field of landslide science<br>**International Consortium on Landslides, composed by 55 Scientific Agency and Universities from 34 Countries and supported by UNESCO, WMO, FAO, ISDR, UNU, ICSU, WFEO (Research Centre on Landslides Disaster Prevention Research Institute Kyoto University Uji, Kyoto 611-0011, Japan)** · Landslide science |
| January 2014 – December 2015 | **Member of the Italian Observatory for the monitoring and safeguard of nuclear sites and for the management and safety of radioactive waste disposal**<br>Expert advice<br>**IFFI – Fondazione per lo Sviluppo Sostenibile and SOGIN – Societa Gestione Impianti Nucleari** · Nuclear waste disposal |
| 2014 - 2016 | **Scientific Coordinator.**<br>The UNESCO initiative on Sustainable Monitoring Techniques for Assessing Instability of Slopes in the Siq of Petra, Jordan<br>**International Consortium on Landslides/International Programme on Landslides** · Rock mechanic and cultural heritage conservation |
| December 2014 – until present | **Vice President**<br>Capacity building in emergency management<br>**CERFED (Research Centre for Capacity Building and Documentation in the sector of Civil Protection).** · Civil protection |
| September 2014 – December 2014 | **Rock mechanic specialist Consultant**<br>Structural investigation and stability condition of Sakdrisi golden mine in Georgia<br>**National Agency for Cultural Heritage Preservation of Georgia** · Rock mechanic analysis and structural engineering assessment |
| March 2014 – December 2014 | **Coordinator**<br>Multidisciplinary survey and monitoring of the “Vardzia rock cut complex (Georgia)<br>**National Agency for Cultural Heritage Preservation of Georgia** · Rock mechanic analysis and structural engineering assessment |
| March 2014 – May 2014 | **Rock mechanic specialist**<br>Structural investigation and stability condition of UNESCO rock Grotto of Seokguram (South Korea)<br>**ICOMOS Korea and Korean Ministry of Cultural Heritage** · Rock mechanic analysis and structural engineering assessment |

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| From 2013 until present | **Expert consultant for UNESCO**<br>Conservation of the underground structure and related mural paintings of Bayannuur tomb (Mongolia)<br>**UNESCO (Beijing) and Ministry of Culture of Mongolia** · Conservation of underground cultural heritages from structural degradation and water infiltration |
| 2013 -2014 | **Expert consultant for UNESCO**<br>Preparation of a position paper on the influence of geology and rock characteristics on historic urban landscapes (to support the UN Convention Concerning the Protection of the World Cultural and Natural Heritage)<br>**UNESCO, Paris** · Architecture and monument conservation |
| From 2012 until present | **Coordinator**<br>Landslides and Cultural and Natural Heritage Network<br>**International Consortium on Landslides** · Coordination of a network of research institutions and scientists |
| 2012 -2017 | **Adjunct Professor**<br>Three yearly courses of “Fundamentals of Geothermal Energy I” and “Fundamentals of Geothermal Energy II” and “Thermogeology”<br>**ICARE Consortium EU/China (Huazong University of Science and Technology, Wuhan, China)** · University courses |
| 2012 November | **European Commission project evaluator**<br>Peer reviewing of EU project for funding<br>**European Commission, DG Research** · Expert evaluation |
| 2012 | **Expert Commission Member**<br>Evaluating the impact of the June 2012 Earthquake (Northern Italy) on the Cultural Heritage sites of the region<br>**UNESCO** · Conservation of cultural heritages from earthquakes and other environmental issues (Engineering geology, engineering seismology, earthquake engineering) |
| From 2011 until now | **Scientific Coordinator**<br>Supporting UNESCO in soil erosion stabilization of the archaeological citadel of Shar-e-Zohak (Afghanistan).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| 2011 December | **Expert Representative**<br>ICCROM representative in the Expert Working Group for the Preservation of the Safeguarding of Cultural Landscape and Archaeological Remain of Bamiyan valley World Heritage Property in Tokyo (Japan).<br>**ICCROM** · Rock mechanic and cultural heritage conservation |
| From 2011 until present | **Expert consultant for the National Agency for Cultural Heritage Preservation of Georgia**<br>Conservation of Bizantine Monasteries of Vardzia<br>**Tiblisi, Georgia** · Conservation of cultural heritages from rock-slides and other environmental issues |
| From 2011 until present | **Expert consultant for the National Agency for Cultural Heritage Preservation of Georgia**<br>Conservation of Bizantine Monasteries of Katski Coloumn<br>**Tiblisi, Georgia** · Conservation of cultural heritages from rock-slides and other environmental issues |
| 2011 - 2014 | **Member of the Italian Board**<br>IUGS-IAEG (International Union of Geological Sciences - International Association of Engineering Geology) Elected Member of the Italian Board<br>**International Association of Engineering Geology** · Promoting Engineering Geology |
| 2011 - 2014 | **Scientific Director**<br>Geothermal water research in Viterbo (Central Italy)<br>**Il Bacucco SRL** · Direct use of geothermal water |

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| 2010-2011 | **Expert consultant**<br>Supporting UNESCO in the conservation project of Akapana pyramid (Tiwanaku complex, Bolivia).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| From 2010 until now | **Member of the Scientific Advisory Body**<br>Promoting the environment protection and safeguard<br>**Fondazione Univerde** · Environment protection and natural diasater mitigation |
| From 2010 until now | **Expert consultant**<br>Supporting UNESCO in managing and protecting the 5th leaning minaret of Heart (Afghanistan).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from settlemts and other environmental issues (Engineering geology, soil mechanics, natural and climate change) |
| 2010 | **European Commission project evaluator**<br>Peer reviewing of EU project for funding<br>**European Commission, DG Research** · Expert evaluation |
| From 2009 until present | **Member of Association**<br>Member of the Informal Group for Geothermal Energy and Environment<br>**Informal Group for Geothermal Energy and Environment (c/o University of Florence)** · Promoting use of geothermal energy |
| From 2009 until present | **Member of Committee**<br>Member of the ATC19 Geoengineering for conservation of cultural heritage and historical site<br>**International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) Asian Regional Technical Committee n. 19 (ATC19) Geoengineering for conservation of cultural heritage and historical sites** · Promoting Soil mechanics and cultural heritage conservation |
| From June 2009 until 2013 | **Project manager**<br>Developing a cliff stabilisation project for the conservation of archaeological site of Orongo, Easter Island (Chile)<br>**Corporación Nacional Forestal (CONAF) from Easter Island (Chile) and Fondazione Marenostrum (Carrara, Italy)** · Rock mechanic, Conservation of cultural heritages from rock slide |
| From November 2009 until 2013 | **Vice President of International Consortium on Landslide**<br>Promoting landslide awareness worldwide; developing science and technology for landslide prevention and mitigation; organising and chairing the second World Landslide Forum in FAO, Italy, October 2011.<br>**International Consortium on Landslides, Research Centre on Landslides Disaster Prevention Research Institute Kyoto University Uji, Kyoto 611-0011, Japan** · Research and risk awareness |
| 2009 April 3-8 | **Consultant**<br>Contribution to the UNESCO Rock Art and the World Heritage Convention. Agenda. International Experts Meeting. Ukhahlamba/ Drakensberg Park<br>**UNESCO, Paris (France)** · Rock art conservation |
| From 2009 until present | **Founder of EnergiaItalia**<br>Project Manager in the field of renewable energy<br>**Via Mario de Fani (Rome) Italy** · Photovoltaic and geothermal renewable energy |
| From 2009 until present | **Member of the Scientific Advisory Board**<br>Communication in the field of natural disasters<br>**EEDI (Eventi Estremi e Disastri – Centro Euro Mediterraneo di Documentazione), Spoleto, Italy** · Science |
| From March 2009 until present | **Responsible for coordination and development of international affairs**<br>Development of projects at international level, internal coordination of initiatives such as GEOSS, GMES of the European Commission, representing the Italian Geological Survey at international level such as Eurogeosurveys, etc.<br>**ISPRA - Italian Institute for environmental protection and research (Former APAT, Italian Environmental Agency) Dpt. Geological Survey of Italy, Via Curtatone, 3 - 00185 Rome (Italy)** · Environmental protection and research, rock mechanic, landslides, land use planning and management, cultural heritage protection and conservation |

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| From 2009 until present | **Founder of CETRI-TIRES European Centre for the third industrial revolution, European branch of FET (Foundation of Economic Trends) from Jeremy Rifkin.**<br>Developing geothermal energy for a cleaner and sustainable environment<br>**Rome and Brussels (Italy)** · Geothermal energy |
| From January 2009 to April 2009 | **Expert consultant**<br>Developing a cliff stabilisation project for the conservation of archaeological site of Maaloula (Siria)<br>**Ministry of Education and Culture in Siria** · Rock mechanic, Conservation of cultural heritages from rock slide |
| From June 2008 to December 2011 | **Scientific director**<br>Developing and implementing geophysical investigations for the protection and conservation of MOAI Statue from Easter Island (Chile)<br>**Fondazione Louis Vuitton (Paris, France) and Fondazione Marenostrum (Carrara, Italy)** · Conservation of cultural heritages from rock weathering and other environmental issues |
| From January 2008 to August 2008 | **President of Scientific Advisory Board of the Italian Ministry of Environment (Minister decree)**<br>Advising the Minister of Environment and Director Generals on the scientific importance of policies and strategies to be implemented.<br>**Ministry of Environment, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Advisor |
| March 2008 until December 2008 | **President of the Italian Observatory for hydrogeological disasters and water protection (Minister of Environment Decree).**<br>Accounting cost and benefit for public expenditure in the section of prevention and mitigation of hydrogeological disasters.<br>**Ministry of Environment, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Managing information for better Government strategies |
| From August 2007 to March 2009 | **Staff of the President**<br>Supporting the relationship between the Agency and the Ministry of Environment in the field of climate change and hydrogeological disasters<br>**ISPRA - Italian Institute for environmental protection and research (Former APAT, Italian Environmental Agency) Dpt. Geological Survey of Italy, Via Curtatone, 3 - 00185 Rome (Italy)** · Research |
| From January 2007 to Decemmber 2007 | **Member of Scientific Advisory board of National Climate Change Conference**<br>Coordinating the successful celebration of the Conference<br>**Ministry of Environment and Land and Sea Protection, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Dissemination |
| From December 2007 to May 2008 | **Advisor of the Italian Minister of "Environment and Land and Sea Protection" for development and funding of prevention and mitigation programmes in the field of hydrogeological disaster and water protection (Minister Decree)**<br>Supporting and advising the Minister on the coordination and development of initiatives in the field of climate change, and prevention and mitigation of hydrogeological disasters. Coordinator of the Italian Conference of climate change and hydrogeological disasters (Naples July 2007) and co-coordinator of the Italian General Conference on Adaptation to climate Change, December 2007, Rome (Chaired by President of Italian Republic)<br>**Ministry of Environment, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Transfer knowledge to public administration |
| From November 2006 to November 2009 | **Assistant to President of International Consortium on Landslide**<br>Promoting landslide awareness worldwide; developing science and technology for landslide prevention and mitigation<br>**International Consortium on Landslides, Research Centre on Landslides Disaster Prevention Research Institute Kyoto University Uji, Kyoto 611-0011, Japan** · Research and risk awareness |
| From 2006 to 2009 | **Member of the UNESCO-IGCP scientific committee from 2006-2008**<br>Supporting UNESCO in the activities for the implementation of the International Geological Correlation Programme<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Advising UN organization |

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| September 2005 | **Teacher**<br>Teacher on the UNESCO course for cultural heritage management and conservation in Pyong Yang, Dem. People's Rep. of Korea<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Capacity building |
| From March 2005 to April 2005 | **Contract professor on the high specialization course on Cultural heritage, course of engineering geology**<br>Teacher<br>**Università della Tuscia di Viterbo, Faculty of culutal heritage conservation, Largo dell'Università (già S. Camillo De Lellis) s.n.c. (loc. Riello) 01100, Viterbo** · Education |
| 2005 - 2007 | **Expert consultant**<br>Supporting UNESCO in managing and protecting the Jam leaning minaret of Jam (Afghanistan).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| 2005 until 2013 | **Expert consultant**<br>Coordinating the UNESCO conservation project from water infiltration of Kogurio tombs in Pyongyang (North Korea).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| 2004-2007 | **Expert consultant**<br>Supporting UNESCO in geotechnical and environmental aspects concerning the return of Aksum obelisk from Rome to Aksum (Ethiopia).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| 2004 - 2007 | **Expert consultant**<br>Supporting UNESCO in the conservation of rock hewn Churches of Laibela (Ethiopia).<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| From November 2003 to September 2010 | **Contract Professor in the University of Modena and Reggio Emilia, in academy years, 2003-2004, 2004-2005, 2005-2006, 2006-2007, and 2007-2008, 2008-2009 and 2009 - 2010 responsible for the courses on Engineering Geology for Cultural Heritage and "Engineering geology for the protection of archaeological heritages".**<br>University Adjunct Professor<br>**University of Modena and Reggio Emilia, largo Sant'Eufemia, 19 - 41121 Modena (Italy)** · University |
| 2003 - 2004 | **Co-coordinator**<br>Plaeo environmental map of Italy during the last two climatic extremes (8.500 yy. BP and 21.500 yy. BP)<br>**ENEA and University of Bologna** · Plaeoclimatology |
| From 2002 to 2008 | **Scientific Coordinator.**<br>The geomorphological instability of the Buddha niches and surrounding cliff in Bamiyan valley (Central Afghanistan)<br>**International Consortium on Landslides(International Programma on Landslides** · Rock mechanic and cultural heritage conservation |
| From 2002 to 2006 | **Member of the Advisory Group of the VII° Framework Program of the European Commission, Directorate Environment, DG Research, Global Change and Ecosystems (2002-2006), on assignment of the European Commissioner to the Research Mr. Philippe Busquin.**<br>Managing and proposing future research themes, projects and activities in the field of global change and ecosystems<br>**European Commission, DG Research, SDME 2/2 B-1049 Brussels - Belgium** · Managing research |

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| From November 2002 to November 2006 | **Treasures of International Consortium on Landslides**<br>Financial account of International Consortium on Landslides; promoting landslide awareness worldwide; developing science and technology for landslide prevention and mitigation<br>**International Consortium on Landslides, Research Centre on Landslides Disaster Prevention Research Institute Kyoto University Uji, Kyoto 611-0011, Japan** · Research and risk awareness |
| From 2002 until now | **Expert consultant**<br>Supporting UNESCO in managing and protecting world heritage site of Bamiyan, Afghanistan.<br>**UNESCO, 7, place de Fontenoy 75352 Paris 07 SP France** · Conservation of cultural heritages from landslides and other environmental issues (Engineering geology, natural hazards, climate change) |
| 2001-2005 | **Project manger**<br>Coordination of projects and personnel in the field of climate change, paleoclimatology, engineering geology, prevention and mitigation of natural hazards. In the period 2003 -2004 developing the paleo-environmental map of Italy during the last two climatic extremes warm of 8.500 y.b.p and cold 22.500 y.b.p.<br>**ENEA - Italian Agency for New Technologies Energy and Environment Via Abguillarese, 301 - 00060 S. Maria di Galeria (Rome, Italy)** · Research |
| For September 2000 to July 2007 | **Responsible of the area " environmental hazards and cultural heritages"**<br>Implementing natural and cultural heritage protection from natural hazards and climate change<br>**Consorzio Civita, Piazza Venezia, 3 - 00195 Roma (Italy)** · Public-private consortium |
| From November 2000 to September 2002 | **Contract Professor in the University of Modena and Reggio Emilia, in academy years, 2000-2001, 2001-2002, responsible for the course on Fundaments of Engineering Geology.**<br>University Professor<br>**University of Modena and Reggio Emilia, largo Sant'Eufemia, 19 - 41121 Modena (Italy)** · University |
| From March 2000 to November 2002 | **Expert member, in the National Commission for Environmental Impact Assessment of the Minister of Environment (2000-2002), related to the energy plants of Simeri Crichi (CZ), Tito (Pz), Moncalieri (To), Orta di Atella (Ce), Sannazzaro de Burgondi (To). Official Decree from the Minister of Environment of Italy.**<br>Evaluating proposed power plant on the Italian territory<br>**Ministry of Environment, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Environmental impact assessment |
| 1999 - 2002 | **Scientific Coordinator**<br>Hydrogeological disasters and prevention policies in Italy<br>**Ministry of Environment, Via Cristoforo Colombo, n. 44 00147 - Roma (Italia)** · Hydrogeological disasters and mitigation |
| 1998 - 2002 | **Responsible research unit**<br>Landslide hazard assessment and mitigation for cultural heritage sites and other locations of high societal value<br>**IUGS-UNESCO** · Landslide science |
| 1998 | **Expert**<br>Revision of seismic safety condition for the Slovack Republik Nuclear power plants of Mohovche and Bohunice.<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |
| 1996 - 1996 | **Expert**<br>Landslide inventory after the flood crises of June 1996 in Versilia<br>**ENEA – Regional Administration of Tuscany** · Landslide |
| 1995 | **Expert**<br>Revision of IAE Guidelines: Revision Procedure and Methodology for Historical Earthquake Investigation<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |
| 1995 | **Expert**<br>Revision of seismic safety condition for the South Korea Nuclear power plants.<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |

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| From January 1993 to July 2000 | **Deputy General Manager**<br>Implementing natural and cultural heritage protection from natural hazards and climate change<br>**Consorzio Civita, Piazza Venezia, 3 - 00195 Roma (Italy)** · Public-private consortium |
| 1995 - 2001 | **European Commission project evaluator**<br>Peer reviewing of EU project for funding<br>**European Commission, DG Research** · Expert evaluation |
| 1995 - 1997 | **Italian Co-coordinator**<br>G7 Information Society, Project pilot n. 7 “Global Emergency Management Information Network Initiative”.<br>**ENEA – Dept of Interiors, Italian Civil Protection** · Emergency management |
| From December 1995 to July 2001 | **Responsible of the section geological dynamics and territory**<br>Coordination of projects and personnel in the field of climate change, paleoclimatology, engineering geology, prevention and mitigation of natural hazards. Scientific coordinator of European Commission research projects.<br>**ENEA - Italian Agency for New Technologies Energy and Environment Via Abguillarese, 301 - 00060 S. Maria di Galeria (Rome, Italy)** · Research |
| 1994 | **Expert**<br>Revision of seismic safety condition for the Slovak Republic Power Plant, with respect to 1443 earthquake.<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |
| 1994 May | **Delegate of Italian Government**<br>UNITED NATIONS - INTERNATIONAL DECADES FOR NATURAL DISASTER REDUCTION Worl Conference of Yokohama, Committee n. 6 “Interrelationship between Natural and technological disasters”<br>**United Nation – International Strategy for Disaster Reduction** · Seismic safety of Nuclear Power Plants |
| 1994 - 1995 | **Coordinator**<br>Field mission in the areas affected by extreme flooding in Northern Italy, 1994<br>**European Commission, DG Research** · Landslide science |
| 1993 | **Expert**<br>Revision of seismic catalogue and archaeoseismicity of Syria, with respect to nuclear siting.<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |
| From May 1993 to July 1995 | **Director of the Division of earth science**<br>Coordination of projects and personnel in the field of paleoclimatology, engineering geology, prevention and mitigation of natural hazards. Scientific coordinator of European Commission research projects.<br>**ENEA - Italian Agency for New Technologies Energy and Environment Via Abguillarese, 301 - 00060 S. Maria di Galeria (Rome, Italy)** · research |
| From 1991 to 1997 | **Consultant**<br>evaluation of the seismic safety conditions of the nuclear power plants and/or sites in Iraq, Korea of the South, Syria, Slovakian Republic.<br>**International Atomic Energy Agency P.O. Box 100 Wagramer Strasse 5; A-1400 Vienna, Austria** · Safety of nuclear power plant |
| From June 1990 to April 1993 | **Director of the Division of extreme events**<br>Coordination of projects and personnel in the field of prevention and mitigation of natural hazards<br>**ENEA - Italian Agency for New Technologies Energy and Environment Via Abguillarese, 301 - 00060 S. Maria di Galeria (Rome, Italy)** · research |
| 1993 | **ENEA responsible**<br>Memorandum of Understading to support UNESCO during the International Decades for Disaster Reduction<br>**ENEA - UNESCO** · Support to UNESCO |
| 1990 | **Expert**<br>Revision of seismic safety condition for the Iraq Nuclear Power Plant siting (Bagdad, Tikrit and Mosul).<br>**IAEA – United Nation International Atomic Energy Agency** · Seismic safety of Nuclear Power Plants |

From July 1983 to June 1990

**Resarcher in the field of seismotectonics, historical seismicity and engineering seismology**

ENEA - Italian Agency for New Technologies Energy and Environment Via Abguillarese, 301 - 00060 S. Maria di Galeria (Rome, Italy) · Research in the field of extreme events for nuclear power plant siting

TEACHING

# University teaching and research fellowships

41 courses and fellowships

| Academic year | University / Institution | Course / Role |
|---|---|---|
| 01/1984 - 03/1983 | **Imperial college of Science and Technology, London (UK)** | Academic visitor in Engineering seismology |
| 11/1999 - 11/2000 | **Università degli Studi di Modena e Reggio Emilia (Italy)** | Advances in Engineering Geology |
| 02/2000 - 02/2000 | **Regione dell'Umbria-Alta Scuola** | Stabilizzazione e conservazione dei centri storici in territori instabili |
| 11/2000 - 1/2001 | **Università degli Studi di Modena e Reggio Emilia (Italy)** | Advances in Engineering Geology |
| 11/2010 - 11/2011 | **University of Florence (Italy)** | Advances course in Prevention of Geological and Geoenvironmental Risks |
| 02/2003 - 02/2003 | **University of Florence (Italy)** | Advances course in Prevention of Geological and Geoenvironmental Risks |
| 11/2003 11/2004 | **Università degli Studi di Modena e Reggio Emilia -** | Advances in Engineering Geology |
| 11/2004 11/2005 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2004 11/2005 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of archaeological heritages |
| 11/2004 11/2005 | **Universita della Tuscia, Viterbo (Italy)** | Specialisation course on Enginnering Geology for the protection of Cultural Heritages |
| 05/2005 05/2005 (2 weeks) | **UNESCO** | Pyong Yang (North Korea): Conservation of Cultural Heritages from geological threats |
| 11/2005 11/2006 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2005 11/2006 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of archaeological heritages |
| 11/2006 11/2007 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2006 11/2007 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of archaeological heritages |
| 11/2007 11/2008 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2007 11/2008 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of archaeological heritages |
| 11/2008 11/2008 | **University of Florence (Italy)** | Advances course in “New building code and legislation in Seismic areas” |

| Academic year | University / Institution | Course / Role |
|---|---|---|
| 11/2008 - 11/2008 | **Università di Roma "La Sapienza", Faculty of Engineering, Rome (Italy)** | Environmental Impact Assessment and Landscape Impact |
| 11/2008 11/2009 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2008 11/2009 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of archaeological heritages |
| 02/2009 - 02/2009 | **University of Florence (Italy)** | Advances course in "New building code and legislation in Seismic areas" |
| 01/2010 11/2010 | **University Politecnico of Milano, Faculty of Civil Engineering** | Preservation of historic centres in hazardous areas |
| 11/2009 11/2010 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 11/2010 11/2011 | **Università degli Studi di Modena e Reggio Emilia -** | Engineering geology for the protection of cultural heritages |
| 06/2012 06/2012 | **Bamyian University (Afghanistan)** | Visiting professor |
| 04/2012 04/2012 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Foundamental of Geothermal Energy I |
| 11/2012 11/2013 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Geothermal Energy II |
| 04/2013 04/2013 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Foundamental of Geothermal Energy I |
| 11/2013 11/2013 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Geothermal Energy II |
| 01/2014 – 01/2014 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Geothermal Energy II and Thermogeology |
| 03/2014 – 03/2014 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Foundamental of Geothermal Energy I |
| 10/2014 – 10/2014 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Geothermal Energy II |
| 01/2015 – 01/2015 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Foundamental of Geothermal Energy I |
| 01/2015 – 01/2015 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Thermogeology |
| 04/2015 – 04/2015 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Geothermal Energy II |
| 04/2015 – 04/2015 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Thermogeology |
| 12/2015 – 12/2015 | **Huazong University of Science and Technology (Wuhan, Cina), ICARE Centre on behalf Univ. La Sapienza (Roma)** | Foundamental of Geothermal Energy I |
| 11/2021 – 5/2022 | **Politecnico di Torino** | Executive Master in Ingegneria Mineraria applicata alle cave di pietre ornamentali |
| 11/2022 – 5/2023 | **Politecnico di Torino** | Executive Master in Ingegneria Mineraria applicata alle cave di pietre ornamentali |

| Academic year | University / Institution | Course / Role |
|---|---|---|
| 2024 – 2025 | **Università di Modena e Reggio Emilia** | Georisks and Civil Protection |

ORGANISER / CO-ORGANISER

# Conferences, workshops and symposia organised

53 events

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| **Ottobre 1987** | ENEA - UNITED NATIONS (INTERNATIONAL ATOMIC ENERGY AGENCY) - ROME CRE CASACCIA (ITALY) Historical seismicity of Central Eastern mediterranean Region (co-organizzatore). |
| **Maggio 1990** | ENEA - ASSOCIAZIONE CIVITA - ONG (S. MARTINO AL CIMINO - ITALIA) Studio, monitoraggio e bonifica dei centri abitati instabili (co-organizzatore). |
| **Aprile 1991** | ENEA - ASSOCIAZIONE CIVITA - ONG (VITERBO - ITALIA) Il monitoraggio strumentale delle aree instabili (co-organizzatore). |
| **Maggio 1991** | ENEA - CNR/GNDT - ASSOCIAZIONE CIVITA (VITERBO - ITALIA) Edifici, Storia, Terremoti (coorganizzatore). |
| **Ottobre 1990** | ENEA - ASSOCIAZIONE CIVITA - COMUNE DI BAGNOREGIO Telerilevamento e dissesto idrogeologico (co-organizzatore). |
| **Marzo 1991** | ENEA - ACADEMY OF SCIENCE OF CZECKOSLOVAK REPUBLIC Historical seismicity in Czeckoslovakia and historical depiction (Simposio interno ENEA - organizzatore). |
| **Luglio 1992** | WORLD CONFERENCE ON EARTHQUAKE ENGINEERING - MADRID (SPAIN) Special Symposium on "New approach to the use and interpretation of historical seismic data" (Segretario del Symposio). |
| **Marzo 1993** | COMMISSION OF EUROPEAN COMMUNITIES - CEC - CIVITA DI BAGNOREGIO (ITALIA) Meteorological factors influencing slope stability and slope movement type: evaluation of hazard prone areas (first meeting) (organizzatore). |
| **Maggio 1993** | ENEA - COMUNE DI ISCHIA DI CASTRO Studi geomorfologici sulle instabilità di pendio del Capoluogo comunale. |
| **3 Settembre 1993** | ENEA-Associazione Civita Accompagnatore e guida scientifica del Principe Carlo di Inghilterra ai lavori di consolidamento della rupe di Civita di Bagnoregio |
| **Febbraio 1994** | COMMISSION OF EUROPEAN COMMUNITIES - CEC - COURMAYEUR (ITALIA) Meteorological factors influencing slope stability and slope movement type: evaluation of hazard prone areas (second meeting) (co-organizzatore). |
| **Maggio 1994** | UNESCO - WORLD CONFERENCE ON NATURAL DISASTERS REDUCTION - YOKOHAMA (JAPAN) Poster session (Co-organiser) |
| **Agosto 1994** | ENEA - SYRIAN ATOMIC ENERGY COMMISSION Archeoseismicity and historical seismicity in Syria (Symposio interno ENEA - organizzatore). |
| **Febbraio 1995** | COMMISSION OF EUROPEAN COMMUNITIES - CEC - GRANADA (SPAIN) Meteorlogical factors influencing slope stability and slope movement type: evaluation of hazard prone areas (third meeting) (Co-organizzatore). |
| **Luglio 1995** | G7 - INFORMATION SOCIETY Meeting nazionale del progetto pilota n.7 "Global Emergency Management" (Co-organizzatore) |

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| **Ottobre 1995** | ENEA - ISRAELIAN GEOLOGICAL SURVEY Archeoseismicity and historical seismicity in Israel (Symposio interno ENEA - organizzatore) |
| **Maggio 1996** | COMMISSIONE EUROPEA Organizzazione della scuola per giovani ricercatori su "Floods and landslides: integrated risk assessment" (Co-organizzatore). |
| **Luglio 1996** | COMMISSIONE EUROPEA Presentazione, alla presenza del Sottosegretario alla Protezione Civile, del Presidente del CNR, del Presidente dell'ENEA, del Presidente del Consorzio Civita, dell'Autorità di Bacino del Po e del Prof. F. Siccardi, del Volume "Meteorological events and Natural Disasters - An appraisal of the Piedmont case history of 4-6 November 1994 by a EC field mission". |
| **Settembre 1996** | G7 - INFORMATION SOCIETY III meeting internazionale del progetto pilota n.7 "Global Emergency Management Information Network Initiative". Apertura dei lavori del Sottosegretario alla Protezione Civile e del Presidente dell'ENEA (Co-organizzatore). |
| **Settembre 1996** | COMMISSIONE EUROPEA Final meeting of EC Project "Meteorlogical Factors Influencing Slope Stability and Slope Movement Type: evaluation of hazard prone areas (organizzatore). |
| **Aprile 1997** | ENEA- RUSSIAN ACADEMY OF SCIENCE Seminario del prof. V. Keilis-Borok e del Prof. L. Pietronero (organizzatore). |
| **Settembre 1998** | COMMISSIONE EUROPEA Responsabile scientifico di una scuola di formazione per giovani ricercatori dal titolo "Rischi naturali e sviluppo sostenibile", Orvieto. |
| **4 maggio 1999** | COMMISSIONE EUROPEA Responsabile scientifico di un workshop dal titolo "Tools for planning in seismic areas: integrated approach and data availabiltiy", Brussels. |
| **4 Novembre 1999** | FORUM DISSESTO IDROGEOLOGICO Responsabile scientifico ed organizzatore del workshop "futuro sostenibile e disastri naturali" Roma. |
| **Novembre 1999** | NATO ASI Collaborazione all'organizzazione di una scuola della NATO Advanced Study Institute su "copying with flash floods" Ravello 8-18 Novembre 1999 |
| **Agosto 2000** | INTERNATIONAL GEOLOGICAL CONFERENCE Co-organizzazione di una sessione del Congresso mondiale di geologia di Rio de Janeiro (agosto 2000 geology and sustainable development for the third millenuim) dal titolo "Salvaguardia dei beni culturali dai rischi naturali". |
| **Settembre 2001** | FEDERAZIONE NAZIONALE DI SCIENZE DELLA TERRA Organizzazione e chairman della sessione relativa alla salvaguardia dei beni culturali dai rischi naturali. |
| **Gennaio 2002** | UNESCO - KYOTO UNIVERSITY, DISASTER PREVENTION INSTITUTE Conference on cultural heritage at risk, chairman of session on landslide hazard assessment and mapping. |
| **22-24 Maggio 2002** | Quarta Conferenza MondoGis Organizzazione sessione Poster Università e Ricerca: l'Enea per l'ambiente |
| **AUGUST 2004** | 32ND INTERNATIONAL GEOLOGICAL CONGRESS OF FIRENZE MEMBRO DEL COMITATO SCIENTIFICO |
| **AUGUST 2004** | 32ND INTERNATIONAL GEOLOGICAL CONGRESS OF FIRENZE RESPONSABILE DEI RAPPORTI CON LA COMMISSIONE EUROPEA |
| **AUGUST 2004** | 32ND INTERNATIONAL GEOLOGICAL CONGRESS OF FIRENZE MEMBRO DEL FUND RAISING COMMITTEE. |
| **AUGUST 2004** | 32ND INTERNATIONAL GEOLOGICAL CONGRESS OF FIRENZE CO-COORDINATORE DEL SYMPOSIO SPECIALE SU GEOLOGIA E BENI CULTURALI.. |
| **AUGUST 2004** | 32ND INTERNATIONAL GEOLOGICAL CONGRESS OF FIRENZE CO-COORDINATORE DEL WORKSHOP DELLA COMMISSIONE EUROPEA SU SCIENZE DELLA TERRA: NUOVI OBIETTIVI E PROSPETTIVE DI RICERCA. |

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| **12-13 SETTEMBRE 2005** | LANDSLIDES IN MACHU PICCHU, PERÙ MEMBRO DEL COMITATO ORGANIZZATIVO (MACHU PICCHU, CUSCO, PERÙ) |
| **12-14 OTTOBRE 2005** | International Consortium on Landslides annual BOR, Washington D.C., USA Membro del Comitato Organizzativo |
| **9-10 Luglio 2007** | Napoli Cambiamenti climatici e dissesto idrogeologico: verso la conferenza nazionale sul clima Organizzazione congiunta tra APAT-ARPAC |
| **12 - 13 Settembre 2007** | Roma Conferenza nazionale sul clima del Ministero dell'Ambiente e della Tutela del Territorio e del Mare Membro del Comitato Tecnico-scientifico e key note speaker su "Dissesto idrogeologico e cambiamenti climatici" |
| **16 Ottobre 2007** | Civita di Bagnoregio Presentazione, insieme all'On. Vittorio Prodi, di un progetto per l'utilizzo di idrogeno da biomassa come vettore energetico di un piccolo centro storico |
| **16 Novembre 2007** | Accompagnatore e guida scientifica del Presidente della Repubblica Giorgio Napolitano ai lavori di consolidamento della rupe di Civita di Bagnoregio Ventennale dell'Associazione Civita |
| **13-15 Dicembre 2007** | Napoli - Città della Scienza Primo Forum Nazionale sulla Sostenibilità, Chairman della sessione CLIMA 2: L'ADATTAMENTO Le strategie per ciò che è già cambiato |
| **12-14 Maggio 2008** | World Monument Fund Co-organiser del workshop: Città del tufo tra Orvieto, Pitigliano e Civita di Bagnoregio |
| **3-9 Ottobre 2011** | International Consortium on Landslides Second World Landslide Forum(WLF2) Chairperson and main organizer |
| **9 Luglio 2012** | Roma UNESCO - ISPRA Organizzatore della conferenza di presentazione e firma degli accordi tra UNESCO ed ISPRAS in relazione al progetto: SIQ STABILITY - Sustainable Monitoring Techniques for Assessing Instability of Slopes in the Siq of Petra, Jordan. |
| **17-19 Luglio 2012** | Amman (Giordania) UNESCO Coordinamento scientifico del Workshop internazionale: SIQ STABILITY - Sustainable Monitoring Techniques for Assessing Instability of Slopes in the Siq of Petra, Jordan. |
| **16-18 Ottobre 2012** | Tiblisi (Georgia) National Agency for Cultural Heritage Preservation of Georgia Coordinamento scientifico del Workshop internazionale: Landslide hazard assessment and sustainable monitoring techniques for the instability processes on Vardzia Monastery area |
| **10-11 Dicembre 2013** | UNESCO - 12th Expert Working Group Meeting for the Safeguarding of the Cultural Landscape and Archaeological Remains of the Bamiyan Valley World Heritage Property and Extraordinary session of the Afghanistan World Heritage Management Advisory Board. Orvieto, Italy |
| **3rd December 2015** | EU Project PROTHEGO (Protection of European Cultural heritages from Geohazards) Roma (Italy) 1st Internal meeting Roma |
| **4th December 2015** | EU Project PROTHEGO (Protection of European Cultural heritages from Geohazards) 1st User Consultation workshop 4th – 6th December 2019 Sustainable conservation of UNESCO and other heritages sites through proactive geosciences Luxor-Aswan (Egypt) |
| **9th December 2019** | Leonardo da Vinci and Landslides Cairo (Egypt) Istituto Italiano di Cultura |
| **18 December 2024** | Innovazione e Trasformazione nella Gestione del Rischio Frane in Italia IAEG co. CNR, Rome Italy |
| **25 - 27 November 2025** | Sustainable conservation of rupestrian heritage sites IAEG - ICOMOS Saudi – RCU Saudi – ICOMOS Italy – UNESCO Chair, Florence Univ ersity |
| **11 February 2026** | Scienza e tecnica al servizio dell'avanzamento della conoscenza nel campo della Geologia Applicata: il ricordo del Prof. Vincenzo Cotecchia IAEG |

INVITED SPEAKER

# Invited lectures and keynote speeches

14 events

| | |
|---|---|
| | Brussels (Belgium) 15-17 July 2002 EUROPEAN COMMISSION - DG RESEARCH - Key note speaker in the GMES (Global Monitoring for Environment and Security) conference on "A global environmental monitoring for the prevention of natural and technological disasters (a key issue for a sustainable development action plan). Titolo "Natural and Technological hazards" |
| November 2002 | UNESCO - ICOMOS - Rapporteur at the first Wokshop for the "Conservation of Bamiyan site" in Afghanistan (Munich - Germany) |
| JUNE 2003 | EUROPEAN COMMISSION RAPPORTEUR ON THE THESSALONIKY WORKSHOP ON "EU-MEDIN HARMONISATION OF HAZARD MAPS AND DATA" Thessaloniki (Hyatt Regency Hotel - Greece), |
| 26-27 May 2003 | European Commission, Directorate Global Change and Ecosytems EU-MEDIN Forum on Disaster Research Titolo della lecture "Vulnerability limits and applications for hydrogeological hazard prone areas: some results from cultural heritage sites" |
| 24 October 2003 | Ottawa (Ontario - Canada) Invited lecture to Geological Survey of Canada Lecture title: The geomorphological instability of the Buddhas niches and surrounding cliff in Bamiyan valley (Central Afghanistan) |
| 21 December 2004 | National Research Institute for Cultural Properties, Tokyo (Japan), Invited lecture to the International Symposium on the Preservation of Bamiyan site Titolo: "Enforcement and geo-mechanical problems for the conservation of the niches of Bamiyan Buddhas" |
| 27 Settembre 2005 | Università della Tuscia di Viterbo Invited speaker al venticinquennale dell'Università Titolo della lecture "Monumenti in guerra. Distruzioni ed alterazioni". 26 Maggio 2004 Seminario presso l'Università degli studi di Modena e Reggio Emilia Titolo: I Budda Giganti dell'Afghanistan |
| 19 October 2008 | First World Landslide Forum Key note in General Assembly: The destruction of giant Buddha statues of Bamiyan (Afghanistan) 5th October 2011 Second World Landslide Forum Key note in the session: Landslide and cultural heritages Title: Cultural Heritage in landslide areas: between adaptation and mitigation 23rd February 2012 Ministero per gli Affari Esteri - Cooperazione allo Sviluppo Key note in: 10 anni di attività Italiana in Afghanistan Maxxi – Rome 15-19 September 2014 - XII International Congress of IAEG (Intenrational Association of Engineering Geology), Turin, Italy. Plenary Key Note: Engineering geology in shaping and preserving the historic urban landscapes and cultural heritage: some achievements in UNESCO World Heritage Sites 16 Ottobre 2014. Seconda Università degli Studi di Napoli, Scuola Politecnica e delle Scienze di Base, i giovedi del dottorato: Protezione e conservazione del patrimonio dell'umanità dell'UNESCO dai rischi idrogeologici attraverso il recupero delle conoscenze e delle tradizioni locali 19-24 April 2015 - 6th INQUA International Workshop on Active Tectonics Paleoseismology and Archaeoseismology Pescina, Fucino Basin, Italy - Plenary Key Note: The Avezzano earthquake of 13th January 1915: magnitude characterisation and aftershocks distribution in the period January-July 1915 |
| 28 November 2016 | Celebration of 25 th Anniversary "ECAE. Engineering Centre for Archaeology and Environment from the Cairo (Egypt) University Invited speaker |
| 11-13 December 2016 | Italian -Egyptian Workshop on Sciences and Technologies applied to Cultural Heritage I (STACH 1) Invited Speaker |
| 20-21 February 2017 | VIRTUAL HERITAGE CAIRO 1ST INTERNATIONAL CONFERENCE SUSTAINING HERITAGE IN THE DIGITAL AGE Towards Virtual Environments for Middle East's Cultural Heritage (Cairo, Egypt) Invited Speaker |
| 14 July 2017 | GEOMEAST 2017 International Congress Engineering geology for the conservation of UNESCO heritage sites Specialized Lecture |
| 25th June 2023 | CIPA 2023 Florence (Italy) Geohazards in the climate change era: a shift in thinking in sustainable management and conservation of heritage sites Key Note speaker |

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|---|---|
| 10 October 2025 | AIGEO National Congress Landforms and Memories: the contribution of geomorphology to the protection and conservation of cultural heritage Key Note Speaker |

QUALIFICATIONS

# Education and training

| | |
|---|---|
| September 2009 | **Certificate**<br>Managing EU research projects<br>APRE (Italian Agency for promoting EU research) and ISPRA (Italian Institute for protection and environmental research) |
| 2009 | **Certificate**<br>Seismic passive analysis for rock stability and seismic ground amplification<br>MICROMED |
| 2007 | **Certificate**<br>Advanced course for security in the field - staff safety, health welfare<br>UNESCO |
| 2005 | **Certificates**<br>Basic course for security in the field - staff safety, health welfare<br>UNESCO |
| 14-16 May 2002 | **Certificates**<br>Finite element modeling (FLAC and FLAC SLOPE) for slope stability<br>ITASCA Consulting Group |
| 31 August 1986 – 2 September 1986 | **Position**<br>Engineering seismology<br>Summer school in Erice (Southern Italy) |
| 27 August 1985 – 5 September 1985 | **Position**<br>Engineering seismology<br>Summer school in Erice (Southern Italy) |
| From January 1984 to April 1984 | **Academic visitor**<br>Engineering seismology<br>Imperial College of Science, Technology and Medicine ( London - UK) |
| From November 1980 to October 1981 | **Research grant**<br>Historical investigation on major earthquakes affecting central-north Italy<br>CNEN, Italian Atomic Energy Commission |
| From 1974 to 1979 | **Degree in Geological Sciences (110/110 cum laudae)**<br>Engineering geology and seismotectonics<br>University of Rome, "La Sapienza", Faculty of mathematical, physical and natural sciences |

JOURNALS AND HIGH-LEVEL VOLUMES

# Editorial boards

- Ladslides (Scientific Journal from Springer)
- Encyclopedia of Engineering Geology (Springer). Editorial board member
- Geologia tecnica ed Ambientale (Scientific Journal)
- European Commission/Algosystem - Impact of natural disasters in the Euro-Mediterranean region

RECOGNITION

# Awards and honours

15 distinctions

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|---|---|
| **1993** | INPRATT- Il Grifo d'Oro (premio speciale Ferrovie dello Stato) Claudio Margottini (Scientific Coordinator ENEA - Consorzio Civita, Roma),Nícholas Ambraseys, Enzo Boschi, Franco Do Santis, Paolo Galli, Agnes Levret Guido Martini, per Il progetto di ricerca CEE: "SEISMODOC- Electronic Library of Historical documents related to European seismicity prior to 1945". |
| **September 2005** | Istituto National de Cultura, Perù, Benemerito of Machu Picchu for the study and investigation aimed at securing the site |
| **6 December 2007** | Most famous citizen from Viterbo, contributing to the diffusion of science and protection of cultural heritage world wide (Province Administration of Viterbo) |
| **18 January 2012** | Forum Leader of the Second World Landslide Forum of International Consortium on Landslides |
| **29 May 2017** | 4th World Landslides Forum (Ljubljana-Slovenia). International Program on Landslides, Award of Success |
| **September 2021** | Europa Nostra award on Vardzia Project (Georgia) as one of the best conservation projects in Europe. |
| **November 2021** | Fukuoka award from the International Consortium on Landslides for the long and excellent activities in supporting developing Countries in the mitigation of landslide disaters. |
| **March 2025** | Honorary Citizenship in the municipality of Bagnoregio, for the activities related to the safeguard of Civita di Bagnoregio from landslides and rockfall. |
| **2004** | Best paper award from Landslides Journal (Springer verlag) and International Consortium on Landslides as best scientific paper in 2004 for the engineering geology and rock mechnics applied to the conservation of cultural heritages |
| **4 November 2006** | "Benemerito for the career to protect of territory against hydrogeological disaster in Italy", from the Minister of Environment, in the occasion of 40 years from the the disastrous flood in Florence, 1966, |
| **7 June 2010** | Encomio from the President of Italian Republic for the successful consolidation of Buddha niches in Bamiyan from rock fall, after the Talibans destruction in 2001 |
| **1 November 2015** | “Natalino d’Argento del volontario” from coordinamento organizzazioni volontariato protezione civile – Regione Lazio |
| **January 2019** | L'Association of American Publishers (AAP) ha premiato "Encyclopedia of Engineering Geology" come miglior volume monografico del 2018, nella categoria Scienza, PROSE Awards 2019 (Professional and Scholarly Excellence) (#PROSEAwards) |
| **October 2021** | Award from Association of Architect in Georgia for the continuous effort in conservation of Georgian rock cut monuments |
| **June 2023** | Honorship at the International conference on Mining, Quarries & Technology (Mines&Quarries in Ancient Egypt), Cairo 11-13 June 2023. |

LANGUAGES AND SKILLS

# Personal skills and competences

MOTHER TONGUE
**Italian**

OTHER LANGUAGES
**English and Spanish**

| Language | Listening | Reading | Spoken interaction | Spoken production | Writing |
|---|---|---|---|---|---|
| English | C2 Proficient user | C2 Proficient user | C2 Proficient user | C2 Proficient user | C1 Proficient user |
| French | B2 Independent user | B2 Independent user | B1 Independent user | B1 Independent user | A2 Basic user |
| Spanish | B2 Independent user | B2 Independent user | B1 Independent user | B1 Independent user | A2 Basic user |

*(*) Common European Framework of Reference for Languages*

TECHNICAL SKILLS AND COMPETENCES

Excellent competences of engineering geology, rock mechanic, natural hazards and climate change. Large expertise on managing people and projects (I was responsible of division and section in the Italian Atomic Energy Commission; I was the scientific coordinator of many projects funded by the European Commission, I was responsible of research units in many Italian and EU projects; I was responsible on Italian projects, even with large budget such as few millions €.

The membership of the advisory board of European Commission VII framework program (Global change and ecosystem), the only expert representing the scientific community involved on disaster is a clear example of competences.

Evaluator of EU research projects.

Excellent competences in managing projects in difficult environments such as Afghanistan, Ethiopia, North Korea, Syria, Iraq, Peru, Chile, etc., on behalf of international organisation like UNESCO and International Atomic Energy Agency.

COMPUTER SKILLS AND COMPETENCES

excellent command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);

excellent knowledge of tens of earth science computer programs (PHASE, ROCPLANE, SWEDGE, FLAC, Geoslope, Wedge, DIP, etc.).

excellent knowledge of graphic design applications (Adobe Illustrator™, PhotoShop™, Nikon Capture NX, etc).

good knowledge of computer aided design such as Autocad.

good knowledge of GIS arcview/arcgis computer program

certificate for attending the course on finite element model for slope stability application (Harpaceas, Milano 14-16 maggio 2002)

certificate for attending the course on local seismic amplification (Micromed, July 2009)

FURTHER DETAILS

# Additional information

- I was organising tens of workshops and conferences. Among them the most important are the 32 world geological congress (Florence, 2004) with more than 7.500 participants and the second world landslide forum, in FAO last October 2011 that resulted the largest event ever organisied in the sector.
- Responsible of tens of thesis degree for earth science students;
- Responsible for PhD students in Italian Universities;
- Responsible of international courses such as the UNESCO course in Pyongyang (North Korea) in 2008 and two schools of the European Commission.
- Author and co-author of more than 350 publications and books on engineering geology, rock mechanic, natural hazards and climate change (see http://www.springer.com/generic/search/results?SGWID=6-40109-24-653415-0 &;submit=Invia+richiesta&sortOrder=relevance&searchType=EASY_CDA&queryText=margottini&resultStart=1&searchScope=editions).

- Member of many professional organisation and scientific societies such as the chamber of geologist, the International Association of Engineering Geologists, the Asian Association of Engineering Geology, many international working groups.
- Many awards and, among them, the best paper award for the year 2004 from the springer journal "landslides" from Springer.
- European Environment Agency (EEA) 2010: Included in the short list for the position of Project Manager – Data and methodologies on climate change and vulnerability and adaptation:
- Integrated Research on Disaster Risk (IRDR) 2014: Included in the short list for the position of Secretary General
- Ministero degli Affari Esteri (MAAEE) 2014: Included in the short list for the position of Scientific Attache at the Italian Embassy in Hanoi

INTERNATIONAL SCIENTIFIC REFERENCES

# Identifiers and profiles

| | |
|---|---|
| **Scopus ID** | 6507118987 |
| **ORCID n.** | https://orcid.org/0000-0001-5045-9942 |
| **Web of Science ResearcherID** | G-6816-2015 |
| **Google Scholar** | http://scholar.google.com/citations?user=jXy_wzkAAAAJ |
| **Research Gate** | https://www.researchgate.net/profile/Claudio_Margottini |

ANNEX

# Scientific publications

371 publications

*Complete list of 371 scientific publications, in reverse chronological order.*

| N° | Year | Author(s) / Title / Reference |
|---|---|---|
| 1 | 2026 | Yang W., Margottini C., Spizzichino D., Tommasi P., Boldini D. (2026) A high-resolution 3D FEM geotechnical model of Civita 1 di Bagnoregio for assessing stability conditions. Submitted to Engineering Geology |
| 2 | 2025 | Boldini, D., Margottini, C., Spizzichino, D., Tommasi, P. Geotechnical characteristics of the pyroclastic mesa and of the clayey slope of Civita di Bagnoregio Caratteristiche geotecniche della mesa piroclastica e del versante argilloso di Civita di Bagnoregio. (2025) Rivista Italiana di Geotecnica, 59 (2-3), pp. 27 - 39 |
| 3 | 2025 | Costantini, L., Margottini, C. The geology and geomorphology of Civita di Bagnoregio La geologia e geomorfologia di Civita di Bagnoregio.(2025) Rivista Italiana di Geotecnica, 59 (2-3), pp. 6 - 26 |
| 4 | 2025 | Margottini, C., Spizzichino, D., Licata, V., Leoni, G. The history of Civita di Bagnoregio (Central Italy) through its interventions realized to mitigate hydrogeological risk La storia di Civita di Bagnoregio (Italia centrale) attraverso gli interventi realizzati per la mitigazione del rischio idrogeologico. (2025) Rivista Italiana di Geotecnica, 59 (2-3), pp. 79 - 93 |
| 5 | 2025 | Lemaire, E., Hamdi, P., Francioni, M., Donati, D., Borgatti, L., Stead, D., Margottini, C. Evaluation of the Civita di Bagnoregio Plateau evolution through multi-temporal remote sensing methods Analisi della evoluzione della rupe di Civita di Bagnoregio attraverso metodi di Telerilevamento Multi-Temporale.(2025) Rivista Italiana di Geotecnica, 59 (2-3), pp. 40 - 51 |
| 6 | 2025 | Margottini, C., Boldini, D., Lancellotta, R., Spizzichino, D. Civita di Bagnoregio: Fragile Ground, Enduring Spirit – Balancing geotechnical vulnerability with cultural resilience. (2025) Rivista Italiana di Geotecnica, 59 (2-3), pp. 3 - 5 |
| 7 | 2023 | Masini, N., Romano, G., Sieczkowska, D., Margottini, C., Lasaponara, R. Non invasive subsurface imaging to investigate the site evolution of Machu Picchu. Scientific Reports, 2023, 13(1), 16035 |
| 8 | 2023 | Masini, N., Romano, G., Sieczkowska, D., Margottini, C., Lasaponara, R. Author Correction: Non invasive subsurface imaging to investigate the site evolution of Machu Picchu (Scientific Reports, (2023), 13, 1, (16035), 10.1038/s41598-023-43361-x. Scientific ReportsThis link is disabled., 2023, 13(1), 19335 |
| 9 | 2023 | Tommaso Beni, Lorenzo Nava, Giovanni Gigli, William Frodella, Filippo Catani, Nicola Casagli, Jos´e Ignacio Gallego, Claudio Margottini, Daniele Spizzichino. Classification of rock slope cavernous weathering on UAV photogrammetric point clouds: The example of Hegra (UNESCO World Heritage Site, Kingdom of Saudi Arabia). Engineering Geology 325 (2023) 107286 |
| 10 | 2023 | Tommaso Beni. Daniela Boldini. Giovanni Battista Crosta. William Frodella. Jos. Ignacio Gallego. Edoardo Lusini. Claudio Margottini. Daniele Spizzichino. Rock instabilities at the archaeological site of Dadan (Kingdom of Saudi Arabia). Landslides DOI 10.1007/s10346-023-02122-7 |
| 11 | 2023 | Margottini C., Spizzichino D., Proactive geosciences for the sustainable management and conservation of heritage sites facing the risks of geohazards and other geo-environmental threats. CIPA Proceedings, Florence 2023. |
| 12 | 2023 | William Frodella, Giovanni Gigli, Daniele Spizzichino, Claudio Margottini, Mikheil Elashvili, and Nicola Casagli. Protection and Conservation of Georgian Rupestrian Cultural Heritage Sites: A Review. I. Alcántara-Ayala et al. (eds.), Progress in Landslide Research and Technology, Volume 2 Issue 1, 2023, Progress in Landslide Research and Technology, https://doi.org/10.1007/978-3-031-39012-8 |
| 13 | 2023 | William Frodella, Daniele Spizzichino, Giacomo Lazzeri, Claudio Margottini, Veronica Tofani, and Nicola Casagli. Assessing Landslide Hazard in the High City of Antananarivo, Madagascar (UNESCO Tentative Site). I. Alcántara-Ayala et al. (eds.), Progress in Landslide Research and Technology, Volume 2 Issue 2, 2023, Progress in Landslide Research and Technology, https://doi.org/10.1007/978-3-031-44296-4_21 |
| 14 | 2023 | José Ignacio Gallego, Claudio Margottini, Ingrid Perissé, Daniele Spizzichino, Tommaso Beni, Daniela Boldini, Francesca Bonometti, Nicola Casagli, Riccardo Castellanza, Giovanni Battista Crosta, Paolo Frattini, William Frodella, Giovanni Gigli, Edoardo Lusini, Serena Rigamonti, Giulia Rusconi, Lorenzo Vitrano Rock Slope Instabilities Affecting the AlUla Archaeological Sites (KSA). I. Alcántara-Ayala et al. (eds.), Progress in Landslide Research and Technology, Volume 2 Issue 2, 2023, Progress in Landslide Research and Technology, https://doi.org/10.1007/978-3-031-44296-4_24 |
| 15 | 2023 | El-Qady, G.M., Margottini, C. Sustainable Conservation of UNESCO and Other Heritage Sites Through Proactive Geosciences. (2023) Springer Geology. |

| N° | Year | Author(s) / Title / Reference |
|---|---|---|
| 16 | 2023 | Fernandez-Merodo, J.A., Mateos, R.M., Azañon, J.M., Ezquerro, P., García-Davalillo, J.C., Bejar, M., Herrera, G., Novo, C., Bee, E., Themistocleous, K., Crosta, G., Frattini, P., Castellanza, R., Leoni, G., Spizzichino, D., Margottini, C. Multiscale Analysis of Geo-Hazards Affecting the Alhambra Cultural Heritage (2023) Springer Geology, pp. 47-61. |
| 17 | 2023 | Margottini, C., Gigli, G., Spizzichino, D., Camorani, M., Fiorini, G., Vicini, D. Rock Mechanic Characterization and 3D Kinematic Analysis of Katskhi Pillar (Georgia) (2023) Springer Geology, pp. 63-80. |
| 18 | 2023 | Antidze, N., Margottini, C., Meliva, T., Spizzichino, D., Vardzelashvili, M. Improving the Georgian National Programme for the Preservation of the Rock-Cut Sites Through Interdisciplinary Geosciences (2023) Springer Geology, pp. 713-722. |
| 19 | 2023 | Margottini, C., El-Qady, G.M. The Aswan Declaration on Sustainable Conservation of UNESCO and Other Heritages Sites Through Proactive Geosciences (2023) Springer Geology, pp. 725-734. |
| 20 | 2023 | Spizzichino, D., Amaru, J.C., Lombardi, L., Revilla, J.I.G., Merodo, J.A.F., Vizzini, G., Margottini, C. Geotechnical Design and Mitigation Measures for the Conservation of Akapana Pyramid in the Tiwanaku Archaeological Site (Bolivia) (2023) Springer Geology, pp. 23-46. |
| 21 | 2023 | Margottini, C., Spizzichino, D., Pandolfi, O. Landslide Mitigation Measures for the Conservation of the Archaeological Site of Mata Ngarau, Orongo Village (Easter Island-Chile) (2023) Springer Geology, pp. 3-22. |
| 22 | 2023 | Iadanza, C., Leoni, G., Spizzichino, D., Trigila, A., Margottini, C., Osanna, M., de Nigris, B., Martellone, A., Costantini, M., Francioni, E., Trillo, F., Minati, F. Instability Processes and SAR Data Analysis in the Pompeii Archeological Park (2023) Springer Geology, pp. 597-613. |
| 23 | 2023 | Margottini, C., Spizzichino, D., Pagnin, P., Puzzilli, L.M. Strengthening the Conservation and Management of Lumbini, the Birthplace of Lord Buddha, World Heritage Property (Lumbini, Nepal) (2023) Springer Geology, pp. 313-332. |
| 24 | 2023 | Margottini, C., Castellotti, U., Ghoshal, D., Lujan, R. Water Infiltration and Waterproofing of Susan-Ri Tomb (North Korea) (2023) Springer Geology, pp. 333-356. |
| 25 | 2023 | El-Qady, G.M., Margottini, C. Preface (2023) Springer Geology, pp. v-vi. |
| 26 | 2022 | Spizzichino, D., Masini, N., Lasaponara, R., Margottini, C. Machu Picchu Physiographic and Environmental Settings. In: Ziółkowski, M., Masini, N., Bastante, J.M. (eds) Machu Picchu in Context. Springer, Cham. https://doi.org/10.1007/978-3-030-92766-0_1 |
| 27 | 2022 | Margottini, C., Spizzichino, D. Geological Setting and Geomorphological Hazards in Machu Picchu Area. In: Ziółkowski, M., Masini, N., Bastante, J.M. (eds) Machu Picchu in Context. Springer, Cham. https://doi.org/10.1007/978-3-030-92766-0_2 |
| 28 | 2022 | Frodella W., Rosi A., Spizzichino D., Nocentini M., Lombardi L., Ciampalini A., Vannocci P., Ramboason N., Margottini C., Tofani V., Casagli N. Integrated approach for landslide hazard assessment in the High City of Antananarivo, Madagascar (UNESCO tentative site). Landslides, July 2022. |
| 29 | 2022 | Domej, G., Previtali, M., Castellanza, R., Spizzichino D., Crosta G. Villa A., Fusi N.,Elashvili, M., Margottini, C. High-Resolution 3D FEM Stability Analysis of the Sabereebi Cave Monastery, Georgia. Rock Mechanics and Rock Engineering Open Access, Volume 55, Issue 8, Pages 5139 – 5162 August 2022 |
| 30 | 2023 | Fernández-Merodo J.A., Mateos R.M., García-Davalillo J.C Azañón J.M. Novo C. Castellanza R. Spizzichino D., Margottini C. Multi-scale stability analysis at San Pedro Cliff in the Alhambra Cultural Heritage. In Lancellotta R., Viggiani C., Flora A., de SilvaF., Mele L. (eds.) Geotechnical engineering for the preservation of monuments and historic sites III. Proceedings of the third international ISSMGE TC301 symposium, Napoli, Italy, 22–24 June 2022 |
| 31 | 2022 | D. Spizzichino, G. Leoni, D. Boldini, S. Loreti & C. Margottini Low-impact mitigation measures to contrast the instability processes affecting the Etruscan necropolis of Norchia. In Lancellotta R., Viggiani C., Flora A., de SilvaF., Mele L. (eds.) Geotechnical engineering for the preservation of monuments and historic sites III. Proceedings of the third international ISSMGE TC301 symposium, Napoli, Italy, 22–24 June 2022 |
| 32 | 2022 | J.I. Gallego, C. Margottini, D. Spizzichino, D. Boldini & J.K. Abul: Geomorphological processes and rock slope instabilities affecting the AlUla archaeological region. In Lancellotta R., Viggiani C., Flora A., de SilvaF., Mele L. (eds.) Geotechnical engineering for the preservation of monuments and historic sites III. Proceedings of the third international ISSMGE TC301 symposium, Napoli, Italy, 22–24 June 2022 |
| 33 | 2022 | Donati D., Borgatti L., Stead D., Francioni M., Ghirotti M., Margottini C. The characterization of slope damage at the Civita di Bagnoregio plateau using a remote sensing approach. In Lancellotta R., Viggiani C., Flora A., de Silva F., Mele L. (eds.) Geotechnical engineering for the preservation of monuments and historic sites III. Proceedings of the third international ISSMGE TC301 symposium, Napoli, Italy, 22–24 June 2022. |

| N° | Year | Author(s) / Title / Reference |
|---|---|---|
| 34 | 2022 | Margottini C., Spizzichino D. (2022) Weak rocks in the Mediterranean region and surroundings: threats and mitigation strategies for selected rock-cut heritage sites. Engineering Geology, Volume 297, February 2022. |
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