








Curriculum Vitae

Nicola CASAGLI

BSc CGeol MSc DIC PhD OM

PERSONAL INFORMATION

	University of Florence - Department of Earth Sciences Via G. La Pira n.4, 50121 Firenze (Italy)	Gender	Male
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	Youtube:		
	Google Scholar		
	Skype:		
	Whatsapp:		
	WeChat:		

SUMMARY

Professor of Engineering Geology at the University of Florence, Earth Sciences Department. Degree in Geology, MSc in Engineering Rock Mechanics at Imperial College of London and PhD in Engineering Geology. Expert of geological hazards and ground instability, monitoring technology, engineering geological characterization and modelling. Former head of the Department of Earth Sciences and past member of the Academic Senate of the University of Florence. Head of the Centre of Competence for geo-hydrological hazards at the University of Florence and member of the Major Risks National Committee of the Department of Civil Protection of the Italian Government. President of the Civil Protection Centre of University of Florence. Founder and Vice President for Europe of the International Consortium on Landslides (ICL). Member of the World Centre of Excellence on Landslide Risk Reduction of the International Programme on Landslides. Vice President of the International Consortium on Geo-disaster Reduction (ICGdR). Founder and Associate of the UNESCO Chair on Prevention and Sustainable Mitigation of Geo-hydrological Hazards. Adjunct Professor of the UNESCO Chair on Geoenvironmental Disaster Reduction at Shimane University (Japan). Awarded with the Order of Merit of the Italian Republic (4th Class Officer). Honorary Fellow of Misericordia di Firenze (the oldest voluntary organization in the world). Author of more than 500 scientific publications and holder of 4 industrial patents.

CURRENT POSITION

Professor of Engineering Geology
University of Florence, Department of Earth Sciences

WORK EXPERIENCE

- since 2005 **Full Professor of Engineering Geology**
University of Florence
- 2000-2005 **Associate Professor of Engineering Geology**
University of Florence
- 1996-2000 **Researcher of Engineering Geology**
University of Florence
- 1995 **Visiting researcher**
Imperial College London
- 1994-1995 **Post-doc fellow**
University of Florence
- 1994 **Scientific collaboration**
National Research Council
- 1990-1993 **Scientific collaboration**
University of Florence, Department Earth Sciences

EDUCATION AND TRAINING

- 1995 **Course in Soil Mechanics e Engineering Seismology**
Imperial College London
- 1991-1994 **PhD in Engineering Geology**
University of Ferrara
- 1991-1992 **Diploma of Imperial College - DIC**
Imperial College London
- 1991-1992 **Master of Science - MSc in Engineering Rock Mechanics**
Imperial College London
- 1984-1989 **Degree in Geology**
University of Florence

PERSONAL SKILLS

- Languages** Mother tongue: Italian
Other languages: English (C2)
- Communicative skills** Excellent communication skills acquired as a result of academic teaching, scientific conferences, training courses and media relations.
- Organizational skills** Excellent skills for coordination and administration of people, projects and budgets based on:
- management of academic structures and research facilities
- management of a research team of 50 people
- coordination and organization of more than 250 Research & Development projects

- Professional skills**
- Geohazard forecasting and prevention
 - Landslide hazard and risk assessment
 - Rock and soil characterization
 - Stability analysis of natural and artificial slopes
 - Remote sensing for rapid mapping
 - Satellite monitoring of ground deformations
 - Ground-based radar interferometry for monitoring and rapid mapping
 - Laser scanning techniques for rock mass characterization and stability analysis
 - Prediction of slope movements through the analysis of meteorological data
 - Safeguard of cultural heritage at risk
- Computer skills** Excellent technical skills with computers, networks, and mobile devices

CERTIFICATIONS

- 2002 Qualification for full professor of Engineering Geology**
Ministry of Education University and Research
- 1999 Qualification for associate professor of Engineering Geology**
Ministry of Education University and Research
- 1991 1st Airman - Military Service**
Ministry of Defense
- 1990 Chartered Geologist (CGeol)**
Qualification to the professional practice as Geologist
National Council of Geologists

PUBLICATIONS

Google Scholar Publications = 432
<http://goo.gl/hTCthl> Citations = 7681
h-index = 45
i10-index = 152

National MIUR database Total publications: 558
<http://bit.ly/1ODIKm>

- Journal article: 203
- Journal abstract: 59
- Book chapter: 92
- Short introduction: 1
- Conference proceedings: 123
- Abstract in Conference proceedings: 54
- Book: 9
- Edited book: 6
- Patent: 8
- Map: 1
- Other: 2

PATENTS

- PCT/IB2014/064278** An improved drone structure
- PCT/IB2014/001328** Method for the creation of database of events having a mediatic echo in the internet

- PCT/IB2014/061425 Liquid sampler
- PCT/IB2014/061421 Method for determining the orientation of a submerged surface and apparatus that carries out this method

HONORS AND AWARDS

- 2018 Best paper award - Geoenvironmental Disasters, Springer
International Consortium on Geo-disaster Reduction (ICGdR)
- 2017 Honorary Fellow
Venerabile Arciconfraternita della Misericordia di Firenze
- 2017 Plaque of appreciation to the research group for all emergency events occurred in the period 2012-2017
University of Florence
- 2017 Recognition to the research group for the activities carried out for the Rigopiano avalanche emergency
City Council of Florence
- 2017 Recognition to the research group for the activities carried out for the Rigopiano avalanche
President of the Italian Republic
- 2017 Fellow
International Consortium for Geo-disaster Reduction
- 2016 UNESCO Chair Prevention and sustainable management of geo- hydrological hazards at the University of Florence. Recognition obtained by the research group.
UNESCO
- 2014 Order of Merit of the Italian Republic (4th Class Officer) awarded for meritorious service or achievement.
President of the Italian Republic
Decree of the President of the Italian Republic 27 December 2014
- since 2009 World Centre of Excellence on Landslide Risk Reduction (WCoE) for Earth observation advanced technologies for landslide monitoring, management and mitigation.
Awarded to the research group for four consecutive three-year terms
International Programme on Landslides
1st World Landslide Forum UNU Tokyo 2009
2nd World Landslide Forum FAO Rome 2011
3rd World Landslide Forum Beijing 2014
4th World Landslide Forum Ljubljana 2017
- since 2005 Centre of Competence of the National Civil Protection Service.
Awarded to the research group and confirmed for six consecutive terms.
Presidency of the Council of Ministers - Department of Civil Protection
Decrees of the Head of Civil Protection Department n.252 of 26 January 2005, n.1922 of 15 May 2006, n. 4324 of 11 September 2007, n. 3593 of 20 July 2011, n. 3152 of 24 July 2013, n. 2616 of 19 June 2018

ACADEMIC SERVICES

- since 2018 President of the Centre for Civil Protection, Centre of Competence of the National Civil Protection Service
Università degli Studi di Firenze
Rector Decree Prot. 59139 (423) of 10 April 2018
Decree of the Head of Civil Protection Department n. 2616 of 19 June 2018
- since 2018 Member of the Interdisciplinary Centre for Conservation and Sustainable Management of Natural and Cultural Heritage COSP-SHeC
University for Foreigners Perugia
- since 2018 Adjunct Professor of the UNESCO Chair on Geoenvironmental Disaster Reduction
Shimane University, Japan
- since 2016 Founder and associate of the UNESCO Chair Prevention and sustainable management of geo- hydrological hazards at the University of Florence
UNESCO (Agreement 7 June 2016)
- since 2015 Founder
Geoapp spin-off company
- since 2011 Member of the Inter-university Centre for Land Sciences (CIST)
University of Florence
- since 2009 Member of the Scientific Council of the Centre for the study of Risk and Safety Conditions and Development Activities of Civil and Environmental Protection (CESPRO)
University of Florence
- since 2008 Member of the Steering Committee of the Earth Sciences Department
University of Florence
- 2013-2015 Member of the Council of the School of Mathematics, Physics and Natural Sciences
University of Florence
- 2013-2014 Representative of the University of Florence in the Board of Directors
Massa spin-off company
- 2010-2015 Representative of the University of Florence in the Board of Directors
Prato Ricerche Foundation
- 2010-2012 Elected Member of the Academic Senate as representative of the scientific area for two consecutive terms
 Member of the University committees for Research, Departments, missions and Ethical Code
University of Florence
Rector Decree n. 88664 - 1605 of 22/12/2009
Rector Decree n. 1086 of 25/10/2010
- 2009-2015 Member of the Scientific Council of the Centre for Cultural Heritage of the University of Florence (CABEC)
University of Florence
- 2008-2010 Member of the Steering Committee of the Centre for Information Services (CSIAF)
University of Florence
Del. Sen. Acc. del 28/2/2008 e Del. Cons. Amm. del 29/2/2008
- 2008 Member of the committee for the Triennial Program
Università degli Studi di Firenze

- 2002-2008 Director of the Department of Earth Sciences, for two consecutive terms
University of Florence
Rector Decree n°1163 of 27/12/2005
Rector Decree n.1158 of 11/12/2002

INSTITUTIONAL SERVICES

- since 2019 Member of the Copernicus Cultural Heritage Task Force
Ministry of Cultural Heritage
- since 2018 Member of the institutional commission for the analysis and verification of the impact of the law n. 240 of 2010
Ministry of Education, University and Research
Decree of Head of Department of Higher Education and Research n.2704 of 17 Oct. 2018
- since 2018 Representative of the Ministry of Education, University and Research in the Board of Directors
Ligurian District Marine Technologies
- since 2011 Member of the National Committee for the Forecast and Prevention of Major Risks of the Department of Civil Protection of the Italian Government
Presidency of the Council of Ministers - Department of Civil Protection
Decree of the President of the Council of Ministers n. 6696 of 23/12/2011
Decree of the President of the Council of Ministers n. 17A08255 of 27/10/2017
- since 2010 Expert Witness in Proceedings involving fatalities and injuries caused by landslides
Ministry of Justice
- 2010-2017 Member of the Scientific Committee
Foundation of Geology of Tuscany
- since 2005 Head of the Center of Competence of the National Civil Protection Department established at the University of Florence
Presidency of the Council of Ministers - Department of Civil Protection
Decrees of the Head of Civil Protection Department n.252 of 26 January 2005, n.1922 of 15 May 2006, n. 4324 of 11 September 2007, n. 3593 of 20 July 2011, n. 3152 of 24 July 2013, n. 2616 of 19 June 2018
- since 1996 Member of the expert group for technical assessment of risks for public safety
Presidency of the Council of Ministers - Department of Civil Protection
- 2007-2012 Member of the committee on soil conservation
National Council of Geologists
- 2002-2004 UNESCO-ICL Joint Scientific Mission in Machu Picchu
UNESCO

SCIENTIFIC AFFILIATIONS

- ICL** International Consortium on Landslides (ICL)
Vice-president for Europe since 2017
Director of the European Centre (ICL-Europe) since 2006
- ICGdR** International Consortium on Geo-disaster Reduction (ICGdR)
Vice-president since 2017
- GEO** Group for Earth Observations
Geohazards Community of Practice - Disasters Advisory group
- IPL** International Programme on Landslides
Former member of the Management Committee
- JIC-Nh** Joint International Centre on Natural Hazards
- GADRI** Global Alliance of Disaster Research Institutes
- FIST** Italian Federation of Earth Sciences
Member of the Panel Research Assessment
- GSA** Geological Society of America
- CNIT** Consorzio Nazionale Inter-universitario per le Telecomunicazioni
Associated member
- H2CU** Honors Centre of Italian Universities for Scientific and Academic Collaboration Italy-USA
Former member of the Scientific Committee
- EGU** European Geophysical Union
- AGU** American Geophysical Union
- AEG** Association of Engineering Geology
Former member of the Steering Committee
- IGOS** Integrated Global Observing Strategy
Geohazards
- AIGA** Italian Association of Applied Geology
Founder and member of the Steering Committee
- IAEG** International Association for Engineering Geology and the Environment
Former member of the Steering Committee of the Italian Section (2002-2010)
- ISSMGE** International Society of Soil Mechanics & Geotechnical Engineering
- ISRM** International Society of Rock Mechanics
- AGI** Italian Geotechnical Society
- SGI** Italian Geological Society
- CNR-GNDCI** National Research Council Group for Prevention of Hydro-geological Disasters
Coordinator of the Research Unit 2.14
- OdG** Professional Order of Geologists
Regional register of Tuscany (n. 248)

EDITORIAL & REVIEW BOARDS

International scientific journals	Landslides - Springer - Associate Editor
	Geoenvironmental Disasters - Springer - Associate Editor-in-Chief
	Remote Sensing in Earth System Science, Solid Earth division - Springer - Ass. editor
	Remote Sensing - MDPI - Section Associate Editor
	Italian Journal of Engineering Geology and Environment - Advisory board
	Ecological Safety and Natural Resources - Nat. Ac. Sci. Ukraine - Foreign editor
	Sci - Open Access Journal - MDPI - Advisory Board
	Scientific Reports - Nature
	PLOS ONE - Public Library of Science
	Catena - Elsevier
	Springer Nature book series
	Acta Geodynamica et Geomaterialia - Czech Academy of Sciences
	Bulletin de la Société Géologique de France
	Bulletin of Volcanology and Geothermal Research - Springer
	Disasters - John Wiley and Sons
	Earth Surface Processes and Landforms - John Wiley and Sons
	Engineering Geology - Elsevier
	Environmental Earth Sciences - Springer
	Environmental Modeling and Software - Elsevier
	Geology - Geological Society of America
	Geomorphology - Elsevier
	Natural Hazards and Earth System Sciences - European Geosciences Union
	Quaternary International - Elsevier
	Rock Mechanics and Rock Engineering - Springer
National scientific journals	Geologia Tecnica e Ambientale - Consiglio Nazionale dei Geologi - Scientific Committee
	Bollettino della Società Geologica Italiana
	Giornale di Geologia Applicata - Federazione Italiana di Scienze della Terra
International project assessment	UNESCO
	UNISDR International Strategy for Disaster Reduction
	National Science Foundation (USA)
	Research Councils UK NERC - Natural Environment Research Council
	Royal Society
	European Research Council (ERC)
	Netherlands Organization for Scientific Research (NWO)
	Swiss National Science Foundation
	Austrian Academy of Sciences
	GACR Czech Science Foundation
	Institut de France
	Belgian Science Policy Office
	Portuguese Research Council (FCT)
	National Research, Development and Innovation Office, Hungary (NKFIH)
	JTC-1 Joint ISSMGE, ISRM and IAEG Technical Committee on Landslides
	Southwest Jiaotong University, Chengdu (China)
	Università Italo Francese
National project assessment	Ministero dell'Istruzione dell'Università e della Ricerca
	Agenzia Nazionale di Valutazione del sistema Universitario e della Ricerca
	Università di Siena, Bologna, Perugia
	Cassa di Risparmio di Padova e Rovigo

TEACHING

- since 2017 **Master degree of Geo-engineering**
University of Florence - School of Engineering
- since 2011 **PhD School in Earth Sciences**
Universities of Florence, Pisa and Siena
- since 2000 **Undergraduate Course of Geology**
University of Florence - School of Mathematics, Physics and Natural Sciences
- 2013 **Master ESPRI - Forecast and prevention of geo-hydrological risk**
University of Calabria and Consorzio Interuniversitario per l'Idrologia CINID
- 2009-2013 **International PhD Course on Risk Management**
University of Florence
- 2007-2010 **Advanced training courses on GIS applications, Radar Interferometry, Laser Scanner and Rapid Assessment of Landslide Risk**
University of Florence - Department of Earth Sciences
- 2005-2009 **Master in Civil and Environmental Engineering for Civil Protection, risk and emergency management**
University of Palermo - Faculty of Engineering
- 2003-2010 **Advanced training courses in Archaeological Restoration**
University of Florence - Faculty of Architecture
- 2003-2005 **Prevention and safety in quarrying and rock excavation**
University of Florence - Department of Earth Sciences
- 2002-2008 **Master in Civil Protection**
University of Florence - Faculty of Medicine
- 2002-2003 **Master on Hydraulic Risk**
University of Firenze - Faculty of Engineering
- 2000-2017 **Master degree in Geological Sciences and Technology**
University of Florence - Faculty School of Mathematics, Physics and Natural Sciences
- 2002-2010 **Undergraduate Course of Technology for the Conservation and Restoration of Cultural Heritage**
University of Florence - Faculty of Mathematics, Physics and Natural Sciences
- 2001-2006 **Advanced training course in prediction and prevention of geological and geo-environmental hazards**
Director and project manager of 7 editions
University of Florence - Department of Earth Sciences
- 1999-2011 **PhD School in Earth Sciences**
Universities of Florence
- 1996-2000 **Lecturer of Engineering Geology**
University of Florence - Faculty School of Mathematics, Physics and Natural Sciences, Architecture and Engineering
- 1992-1996 **Assistant teacher of Engineering Geology**
University of Florence - Faculty School of Mathematics, Physics and Natural Sciences, Architecture and Engineering

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Prof. Nicola Casagli