

## Curriculum Vitae

**Daniele SPIZZICHINO**

**Researcher, Civil & Environmental Engineer**

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<https://scholar.google.it/citations?user=AdUG1qcAAAAJ&hl=it&oi=ao>

[https://www.researchgate.net/profile/Daniele\\_Spizzichino](https://www.researchgate.net/profile/Daniele_Spizzichino)



### Education

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- 1999** Degree in environmental engineering at "La Sapienza" University of Rome. Thesis developed at **ENEA Research Centre**, concerning the TEMRAP project (*The European Multy-Hazards and Risk Assesment Project*) financed by UE, *DG XII*). Title: "Geological parameters and triggering mechanism of debris flows - River *Vezza* basin case study".
- 2000** Professional qualifications and inscription to national engineer board.
- 2012** *PhD on Earth system sciences: environment, resources and cultural heritage at Modena and Reggio Emilia University – Thesis Title: Landslide risk assessment and management in the archaeological site of Machu Picchu Inca citadel (Peru)*

### Professional licenses and certifications

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- Mar - Jun. 1999** Post degree course on job health and safety, D.L.vo 494/96
- November 2002** Course on FLAC<sup>(R)</sup> and FLAC/Slope<sup>(R)</sup> (*Harpaceas*)
- December 2003** "Fourth Day on studies and applications of low impact techniques for landslide mitigations measures in Lazio Region".
- September 2008** Post degree international advanced course on landslide risk: LARAM School – 2008.
- October 2008** Post degree advanced course "Introduction to ArcGIS 1 and 2 modules" (40 hours) Esri® Italy. 13-17 October 2008.
- October 2008** Post degree advanced course "Working with ArcGIS-Spatial Analyst" (24 hours) Esri® Italy. 27, 28 e 29 October 2008.
- July 2009** Post degree advanced course " Open GIS tools for the geo-database management :Quantum Gis - PostGis - GrassGis. Rome 18, 19 & 30 June, 1-2 July 2009;
- July 2009** Post degree advanced course " *Passive seismic techniques with digital tromography Tromino e Soilspy Rosina.*" 13 July 2009;
- November 2009** Post degree advanced course "*Environmental Impact Assessment and Strategic Environmental Assessment*". 10, 11 November 2009;
- August 2010** Post degree advanced course "*GPS Mapping and Remote sensing techniques*". Civil Engineering Department La Sapienza University of Rome 26, 27 August 2010;
- January 2011** "Basic Security in the field – staff safety, health and Welfare"; 2) Unesco Field Security Awarness Training; 3) Advanced Security in the Field. United Nations Department of Safety and Security
- April 2013** Post degree advanced course "Advanced analysis and Desktop" Esri® Italy.
- April 2014** Risk assessment and safety measures for works at height, ISPRA, Rome.

### PARTECIPATION TO ENVIRONMENTAL EMERGENCIES

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- 2016-2017** Earthquake emergency in Central Italy and support to the Civil Protection's Activities;
- 2013-2014** Landslide emergency in Montescaglioso village (Basilicata region), ISPRA geotechnical support to the Civil Protection's Activities;

**2013** Landslide emergency due to High Velocity Tunnelling excavation in Ripoli village – Comune di San Benedetto in Val di Sambro (Emilia Romagna region), ISPRA geotechnical support to the Civil Protection’s Activities;

**2011 -2012** Floods and Landslide emergency in Lunigiana Tuscany and Liguria regions, ISPRA geotechnical support to the post emergency phase Civil Protection’s Activities;

**2008** Landslide emergency in San Fratello village (Sicily region), ISPRA geotechnical support to the post emergency phase Civil Protection’s Activities

**PROFESSIONAL MEMBERSHIPS and AFFILIATIONS**

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**2000** Council of Engineers (Province of Rome) n° 21540

**2004** International Association of Engineering Geology (IAEG), Italian section boarding member (May 2019).

**2007-2014** Auditor of Italian section of IAEG.

**2010** Italian Geotechnical Association (AGI) boarding member (April 2019)

**2015** **Corresponding member of TC301 - ISSMGE Technical Committee Preservation of Monuments and Historic Sites**

**Personal skills**

Mother tongue Italian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken Production	
English	Advanced (C2)		Advanced (C2)		Intermediate (B2)
Spanish	Intermediate (B2)		primary (A2)		primary (A2)

**Communication, organisational/managerial skills**

During my life, both in the professional, social and human sphere, I have learned to adapt very well to multi-cultural environments; I have developed team group attitude and strong communication and relational capabilities. Good communication skills gained through my experience as research project manager.

**Digital Competence**

Operating systems Windows, Linux, OS

Application programs office (WORD, EXCEL, POWERPOINT, ACCESS, PROJECT 2000);

Specific programs and software Computational and modelling through: FLAC, Geo Slope, Plaxis, RocPlane; RocFall, Wedge, Geopsy, Walls, Grilla, SoilSpy Rosina, Geopsy; statistical analysis SPSS SAS ed R, Corel Draw e Photoshop, Autocad, Surfer, Grapher, structural geology DIP, ArcGis® Esri, GIS open source Qunatum Gis, gvSIG, GrassGis.

Specific tools, equipments Use and data acquisition with following tools: digital Tromografo; digital sound level meter, Laser scanner; manual tiltmeter, PointLoad, Scmidt Hammer.

programming languages HTML, JAVA

**Driving licence**

B since 1991, A since 2007.

**SKILLS**

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Daniele Spizzichino has been graduated at the University of Rome in 1999, with a final year project thesis on the natural hazard risk assessment. He got the PhD on Earth System Sciences: environment, resources and Cultural Heritage at Modena and Reggio Emilia University in 2012. He is a an engineer with a wide experience in new ICT (e.g. slope stability analysis, finite elements calculations methods, Geographical Information System, multivariate statistical analysis, hydrological risk analysis, hazard and risk digital maps elaboration) applied in different sectors of civil and environmental domains. He has worked, as a researcher and professional consultant, in several team work (research centres, consortium, universities, private enterprises). Since 2000 his work has been mainly focuses on: national and international research project; executive design of low impact mitigation measures and consolidation works; monitoring system implementation and design (e.g. remote sensing, satellite and traditional

topographical network); natural hazard risk assessment and protection plan for Cultural Heritage; laboratory test on rock and earth material. In the last 15 years, as Geotechnical Engineer, he was extensively supporting national and international agency and institute (e.g. UNESCO, WMF, ISCR) in national and international topics for the protection and conservation of World Heritage sites such as: (Machu Picchu) Peru, (Aksum, Lalibela) Ethiopia, (Tiwanaku) Bolivia, (Ester Island) Chile, (Vardzia and David Gareji) Georgia, Armenia, (Petra) Jordan, (Bamiyan Valley) Afghanistan, (Lumbini and Katmandu) Nepal, (Pompei, Tarquinia and Roma), Madagascar (Antananarivo) Italy and many others. Author and co-author of more than 100 publications and books. He has published several articles in scientific journal, papers and conference proceedings. He is a member of many associations (AGI (TC301), IAEG, ICL). He is currently employed – as researcher - at ISPRA - The Institute for Environmental Protection and Research - Dept. for the Geological Survey of Italy and associated researcher to the UNESCO Chair on prevention and sustainable management on Geo-Hydrological Hazards.

## Research Projects

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- EO4GEO “Towards an innovative strategy for skills development and capacity building in the space geo-information sector supporting Copernicus User uptake” - Proposals EACEA 04/2017 Erasmus + program, Sector Skills Alliance.
- ARTEK Project – “A satellite based service platform for the preservation and management of Cultural heritage”. Artes20: Integrated Applications Promotion (IAP) Programme Feasibility Studies/Demonstration Projects. – ESA (test site: Matera, Villa Adriana, Civita di Bagnoregio, Baia, Gianola e Monte Orlando).
- 13<sup>th</sup> Expert Working Group for the Safeguarding of the Cultural Landscape and Archaeological Remains of the Bamiyan Valley (Afghanistan) – UNESCO World Heritage Property.
- U-Geohaz Project – impact assessment for urban areas. In the ISPRA working group for landslide hazard assessment. European Civil Protection
- Protection and conservation project of AKAPANA PYRAMID – TIWANAKU archaeological site, Bolivia - UNESCO Quito project.
- Strengthening the Conservation and Management of *Lumbini*, the Birthplace of Lord Buddha, the World Heritage Property (Phase II)” – UNESCO Kathmandu project.
- National Agency for Cultural Heritage Preservation of Georgia for the landslide risk assessment of Vardzia monastery and Katskhi archaeological sites.
- POMPEI archaeological Park – Technical support for satellite data interpretation and geotechnical/geological assessment for the new excavation campaigns.
- ESA Project Hyperspectral Imaging Mission Concepts - Consolidation of user requirements and derivation of product/service requirements and high level observational requirements. In the ISPRA team work for technical support concerning satellite data interpretation. ISPRA Responsible and coordinator for the Cultural Heritage downstream services task implementation.
- PROTHEGO PROJECT - Funded in the framework of the Joint Programming Initiative on Cultural Heritage and Global Change (JPICH) – HERITAGE PLUS, under ERA-NET Plus and the Seventh Framework Programme (FP7) of the European Commission, the project PROTHEGO aims to make an innovative contribution towards the analysis of geo-hazards in areas of cultural heritage in Europe.
- PROJECT LIFE+IMAGINE (Integrated Coastal Area Management Application Implementing GMES/Copernicus, INSPIRE and SEIS Data Policies) as Responsible and coordinator for training modules and Landslide PILOT
- SIQ Stability project - “Sustainable monitoring techniques for assessing instability of Slopes in the SIQ of Petra – Jordan” – UNESCO ISPRA contract.
- Life project ACT– Adapting to Climate change in Time” , funded by EC, as expert on Climate Change and geological and hydraulic hazard.
- BRISEIDE (Bridging Services, Information and Data for Europe) 2010 -2011 project aims to realize GIS platform space-time earnings to the Civil Defence for the multi-level management of natural disasters.
- FORGEO project – Rome Municipality. Improving the knowledge of new techniques aimed to analyse, evaluate and mitigate the geomorphologic/landslide hazard in Andean region (Cuzco an Machu Picchu), through specific training courses organized by expert professors, researchers and technicians in natural hazards investigation field.
- Easter Island (Chile) - *Marenostrum*, Louis Vuitton Foundation (2009-2010). Analysis of geological and geotechnical conditions of the historical village of Orongo vs. slope stability and proposal of long-term conservation strategies.
- Easter Island (Chile) - *Marenostrum*, Louis Vuitton Foundation (2007-2008). Analysis of geological and geotechnical conditions of materials forming the Moai statues and proposal for conservation strategies.
- AKSUM – UNESCO (2006). Environmental Impact Study of the re-erection of Stela 2 project and works in the archaeological area of the Northern Stelae Park of Aksum (Ethiopia). In situ geotechnical, hydrological and landscaping survey (topography, land use, geotechnical characterisation and meteorological settlement). Quantitative analysis of environmental and human impact on the area.
- SCENARIO (Support on Common European Strategy for sustainable natural and induced technological hazards mitigation, contract n°036979)– European Commission (2006-2008). Specific Support Action for a common European strategy for sustainable mitigation strategy of natural and technological hazards applied to land use planning and management.
- ARMONIA – (Applied multi Risk Mapping of Natural Hazards for Impact Assessment contract n° 511208), funded by FPVI, priority 1.1.6.3 – IV.2.c Mechanisms of desertification and natural disasters. European Commission (2004-2007). STREP Project for the harmonisation of legends and maps on multi-risk applied to spatial planning at different scales. Responsible of the WP2: Collection and evaluation of current methodologies for landslide risk assessment and map production; WP3: Methodology for a harmonised integrated map and development of a guideline for an EU directive on harmonisation of multi-hazard risk mapping.
- CLIM –Abruzzo Region (2005-2006). Feasibility project for the assessment of impacts derived by Climate Change on the Abruzzo Region. Responsible for T6 enterprise and coordinator of the task “Landslides and floods”.
- VIP – Italian Ministry of University and Research (2002-2006). Scientific consultant for Consorzio Civita of the project VIP (Landscape Impact Assessment). Development of a DSS for the assessment of landscape impacts derived by landslide mitigation works in historical

towns and archaeological areas. Coordination of hazard, vulnerability and risk analysis in the case studies of the ancient Stabiae and Craco village. Feasibility project design of sustainable mitigation works. Definition of a methodology for Landscape Impact Assessment.

- INTERFRASI - Italian Ministry of University and Research (2002-2006). Application of innovative and non invasive monitoring techniques of landslide prone areas in the Citadel of Machu Picchu (Peru). Development and application of DInSAR interferometry, ground-based radar interferometry. Implementation of 3 field geological and geotechnical survey for the analysis of landslide hazard, vulnerability and risk in the Inca Sanctuary. Responsible for Consorzio Civita of landslide vulnerability assessment on archaeological site of Machu Picchu.
- PARNASO Project - Italian Ministry of University and Research (2001-2003). Development of innovative monitoring system (GBR remote sensing techniques) and stability model applied to minor historical and cultural heritage affected by landslides.
- Natural disasters and consequences on the Italian Cultural Heritage – Italian Ministry of University and Research (1999-2002) – IGCP-425 UNESCO. Responsible for Civita Consorzio of activities on landslide hazard and risk analysis in some UNESCO sites and other Italian heritage sites (Craco, Porto Venere, Gerace, P.zza Armerina, Civita di Bagnoregio). Coordination of geotechnical engineering activities, landslide risk analysis and mapping and mitigation measures design.
- The European Multi-Hazard and Risk Assessment (TEMRAP) – European Commission (1999 – 2000). Analysis of integrated hazards and risks in some European test.

## Teaching activity

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<b>Apr 2018</b>	Seminar in the frame work of Civil Engineering Degree: "Tecnologie innovative per la conservazione e protezione del patrimonio culturale. Dall' analisi geotecnica alla mitigazione sostenibile". Wednesday, 11 Maggio 2018, ore 14.30 – 16.30, aula TA06 (via Terracini); DICAM Dipartimento di Ingegneria Civile, Ambientale e dei Materiali. Alma Mater Studiorum Bologna.
<b>Marc 2018</b>	Short course ITP 2015-2017 "ROMA, ISCR, PROGETTO DI FORMAZIONE INTERNAZIONALE 2015-2017–PATRIMONIO CULTURALE. FINANZIAMENTI ALES SpA – ex ARCUS SpA": Lecture on "Geo-hazard and cultural heritage: from assessment to management and conservation, national and international prospective - Case studies: CH and geo-hazards"
<b>Feb 2018</b>	Seminar in the frame work of Civil Engineering for Risk Mitigation II level Master: "Cultural Heritage under threat: from prevention to post-earthquake recovery". Wednesday, 28th March 2018 10:00 am - room B0.2 Polo territoriale di Lecco -Campus via Previati 1/c-Lecco
<b>Oct 2017</b>	Short course II level Master on "ANALISI E MITIGAZIONE DEL RISCHIO IDROGEOLOGICO". A.A. 2016-2017. Sapienza Rome University. <i>Monitoraggio e controllo dei fenomeni di dissesto idrogeologico del patrimonio culturale nazionale e internazionale.</i>
<b>Jan 2017</b>	Short course in the ITP international Training Project – ISCR FONDI ARCUS SPA.-ITALIA – IRAN: Geo-hazard and Cultural Heritage: from analysis and assessment to the management and conservation: national and international situation.
<b>May 2014</b>	Short course for the technicians of rock mechanics laboratory (8 hours)
<b>May 2009</b>	University of San Agustin Abad in Cuzco for the Forgeo project "Risk geomorphology in the Andean area" on emergency management in urban areas affected by natural disasters.
<b>Sep. 2004 – Sep. 2005</b>	Research Centre of ENEA Portici (Naples) Post-graduate course on "Landslide risk assessment Vs cultural heritage"
<b>Jun. 2004</b>	University of Rome III, Faculty of Geology Post - graduate course on "Geology and Geomorphology applied to land use planning and management" Rome –10 Jun. - 25 Jul. 2004. Slope stability and Geotechnical tasks.

## TUTOR activities

Supervisor of following recent Graduation:

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DICAM - Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali - SCUOLA DI INGEGNERIA E ARCHITETTURA. Student: Alessandro Malservisi: TESI DI LAUREA MAGISTRALE in Ingegneria delle Rocce : Title: Caratterizzazione meccanica e modellazione agli Elementi Finiti della parete rocciosa di Vardzia. 2017

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DICAM - Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali - SCUOLA DI INGEGNERIA E ARCHITETTURA. Student: Grazia Luna Guido: TESI DI LAUREA MAGISTRALE in Opere in sotterranea : Title: CARATTERIZZAZIONE ED ANALISI DI STABILITÀ DELLA PARETE TUFACEA DEL MONASTERO RUPESTRE IN GEORGIA.

FACOLTÀ DI INGEGNERIA CIVILE E INDUSTRIALE Università Sapienza Roma Corso di Laurea Magistrale in Ingegneria Civile A. A. 2016/2017RA. Student: Rocco Silvaggi: TESI DI LAUREA MAGISTRALE in: Title: Utilizzo di dati satellitari per la valutazione degli effetti di un evento di frana: il caso della frana di Montescaglioso

## Selected research and work experiences

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<b>Oct. 2019</b>	Georgia Filed survey – Monitoring system implementation for the slope stability assessment of the Vanis Kabebi, Uplitsikhe and Vardzia rock cave monastery 26-30 October;
<b>Sep. 2019</b>	International Consortium on Landslide (ICL) Annual member board meeting at UNESCO headquarter in Paris; IPL international workshop;
<b>Jul. 2019</b>	Georgia Filed survey – TLS acquisition. Static and dynamic slope stability assessment of the Vanis Kabebi, Uplitsikhe and David Gareja rock cave monastery 03-07 July.
<b>May. 2019</b>	Filed survey in Madagascar (UNIFI UNESCO Chair), jointly with the municipality of Antananarivo, in cooperation with the Région Île-de-France, dossier implementation for the inscription of the historical part of the city into the UNESCO World Heritage list. Geo-hazards local assessment.
<b>May. 2019</b>	On behalf of ISPRA as responsible for the General Agreement with the Archeological Park of Campi Flegrei (Naples). Slope instability assessment along the coastal cliff, interpretation of instability

processes due to interaction among excavation and archeological structures; identification of underground caves.

- Apr. 2019** Filed survey with Europa Nostra - Georgia - International Conference: Davit Gareji – Multidisciplinary Study and Development Strategy. April 18-20, 2019
- Mar. 2019** On behalf of ISPRA for the implementation of Copernicus Cultural Heritage Task force - user requirements definitions and Copernicus downstream services for Cultural heritage implementation at European level;
- Feb. 2019** On behalf of ISPRA for the implementation of UNESCO Italian task force named Green Helmets;
- Gen. 2019** On behalf of ISPRA as responsible for the General Agreement with the Archeological Park of Coliseum in Rome for the Satellite monitoring implementation and geo-hazards assessment, member of scientific advisory board;
- Dec. 2018** International Consortium on Landslide (ICL) Annual member board meeting at Kyoto Unesco twin University and IPL workshop Kyoto (japan);
- Dec. 2018** Us-Italy Earth Sciences and Cultural Heritage WG - focus on Resilience to Natural Disasters, 2019 - 2021. Embassy of Italy, Washington DC., December 6 2018;
- Nov. 2018** Filed survey with Europa Nostra - Georgia - Rock cut landslide and seismic hazard assessment David gareja Monastery 05-11 November;
- Nov. 2018** Fair of European Innovators in Cultural Heritage 15-16 November 2018, Brussels, EC DG research for research and innovation.;
- Jun. 2018** Filed survey Georgia - Rock cut landslide and seismic Monastery hazard assessment 18-24 june;
- May. 2018** JOINT PROGRAMMING INITIATIVE ON CULTURAL HERITAGE INTERNATIONAL WORKSHOP - Torino 28 - 29 May 2018 Venaria Reale. Prothego project and UNESCO Chair presentation
- Apr. 2018** April 23-27, 2018. Joint mission with ISPRA personnel in the archeological site of Tiwanaku (Bolivia), for the analysis of instability phenomena in the framework of the project: "Preservacion y conservacion de Tiwanaku y la Piramide de Akapana, Bolivia ", in collaboration with UNESCO Quito on behalf of the Japanese Government;
- Mar. 2018** Workshop: "European World Heritage Sites affected by Geo-Hazards – Satellite Monitoring future challenges. The PROTHEGO project contribution". UNESCO headquarters Paris 23 march 2018. Prothego project and UNESCO Chair presentation;
- Mar. 2018** European Civil Protection Forum 2018, Civil protection in a Changing Risk landscape. Brussels 5-6 March 2018;
- Feb. 2018** CONFERENCE ON "THE METHODOLOGY FOR THE CONSERVATION AND STRENGTHENING OF THE ROCKCUT CHURCHES AND THE DRAINAGE SYSTEM FOR MONASTIC COMPLEX OF GEGHARD" 13 – 16 February 2018 Yerevan Armenia;
- Jan. 2018** INTERNATIONAL CONFERENCE JANUARY 23, 2018 DANUBE UNIVERSITY KREMS (AUSTRIA). SAFEGUARDING CULTURAL Heritage from Natural and Man Made disasters. Joint Communication Event in the framework of Interreg Central Europe ProtreCHt2save and Contract EAC-2016-0248. Prothego project and Unesco Chair presentation.
- Dec. 2017** On behalf of ISPRA as expert for Italian "*Soprintendenza Archeologica, Belle arti e paesaggio per l'area metropolitana di Roma, la provincia di Viterbo e l'Etruria Meridionale*". Natural hazard and risk assessment for the archeological site of Norchia and Tarquinia Etruscan Necropolis;
- Sep. 2017** On behalf of ISPRA as expert for the Space Economy National Strategy – User Requirements for Cultural Heritage.
- Apr. 2017** On behalf of ISPRA as expert for the Copernicus for Cultural Heritage – Copernicus User Forum industry workshop.
- Feb. 2017** On behalf of ISPRA in the research team of UNESCO chair on the prevention and Sustainable Management of Geo-Hydrological Hazards, University of Florence, Italy.
- Dec. 2016** On behalf of ISPRA as delegate and Board member in the International Consortium on Landslide - Landslides and Cultural & Natural Heritage Network.
- Sep. 2016** On behalf of ISPRA as expert for the constitution of the I-CULT: Cluster on Cultural Heritage. MIUR – CSIT (Confindustria Servizi Informatici e Tecnologici).
- Apr. 2016** EGU 2016 convener - Session. NH6.2, Multi-Hazard and Multi-Risk studies supported by EO Data. Natural Hazards and Cultural Heritage: from satellite monitoring to hazard assessment, mitigation measures and management policies.
- May. 2016** ISPRA Project manager for the PROTHEGO PROJECT. Protection of European cultural heritage from geo – hazards. European Commission project. Usage of satellite radar interferometry for the safeguard of UNESCO world heritage sites in Europe
- May. 2016** As UNESCO geotechnical engineer consultant Supporting UNESCO in the conservation project of Akapana pyramid (Tiwanaku complex, Bolivia).
- Apr. 2016** As UNESCO geotechnical engineer consultant for the technical mission survey: Strengthening the Conservation and Management of Lumbini, the Birthplace of the Lord Buddha, World Heritage Property, namely the Ashoka pillar and Maya Devi Temple.
- Apr. 2016** On behalf ISPRA as a chairman for the session NH6.2, Multi-Hazard and Multi-Risk studies supported by EO Data. Natural Hazards and Cultural Heritage: from satellite monitoring to hazard assessment, mitigation measures and management policies.
- Jan. 2016** On behalf ISPRA supporting the *Soprintendenza Archeologia del Lazio e dell'Etruria Meridionale, sar-laz@beniculturali.it* for the protection and landslide hazard assessment in the archaeological site of Norchia (VT).
- Dec. 2015** On behalf ISPRA as national expert of WG7: Technologies Applied to Cultural and Natural Heritage, in the Joint Declaration Italy-USA (2016-2017).
- Dec. 2015** PROTHEGO project first User consultation Meeting. Roma 3-4 Dec.

<b>Nov. 2015</b>	Italian Corresponding member designed for the <i>TC301</i> on Preservation of Monuments and Historic Sites of the International Society of Soil Mechanics and Geotechnical Engineering.
<b>Oct. 2015</b>	On behalf ISPRA is working with the archaeological Pompei Superintendence for the SAR data interpretation and analysis in order to detect possible ground motion, deformation and wall collapse.
<b>Oct. 2015</b>	On behalf ISPRA as Point of Contact for the C2 "Geo-hazards" component task DI-01 "Disasters" in the GEO Workplan.
<b>Feb. 2015</b>	On behalf ISPRA, in the <i>Expert Group</i> of Water and Ground technical board of Euro Geo Survey.
<b>Dec. 2014</b>	On behalf ISPRA jointly with UNESCO AMMAN office for the Siq stability project of Petra (Jordan) field survey mission.
<b>Dec. 2014</b>	On behalf ISPRA jointly with National Agency for Cultural Heritage Preservation of Georgia for the landslide risk assessment of Vardzia archaeological sites
<b>Sept. 2014</b>	Convener of session "5.13 – Landslide and flood hazard in urban areas: assessment, monitoring and mitigation strategies"- IAEG 2014, Torino.
<b>Sept. 2014</b>	Convener of session "8.7 – Monitoring and modelling applications for the diagnosis of the actual conditions, preservation and management of Cultural Heritage"- IAEG 2014, Torino.
<b>march. 2014</b>	Selected as reviewer for the Italian Journal of Geosciences.
<b>Dec. 2013</b>	On behalf ISPRA in the board responsible for the post emergency activities after the Montescaglioso landslide event.
<b>May. 2013</b>	Monitoring system installation filed mission in the SiQ of Petra (Jordan).
<b>gen. 2013</b>	In the ISPRA - AIPCR working (technical Committee 2.5). Landslide and minor transportation network.
<b>Jun. 2012</b>	Selected as reviewer for NHESS (Natural Hazards and Earth System Sciences).
<b>May. 2012</b>	On behalf ISPRA jointly with National Agency for Cultural Heritage Preservation of Georgia for the landslide risk assessment of Vardzia and Katskhi archaeological sites.
<b>Apr. 2012</b>	In the ISPRA working group for the Landslide risk assessment induced by "Variante di Valico" to Ripoli village (Bo).
<b>Oct. 2011</b>	In the ISPRA working group for the post emergency phase of Cinque Terre, Lunigiana and Genova October and November Flood. Landslide Residual risk assessment.
<b>Oct. 2011</b>	In the ISPRA working group for the post emergency phase of Cinque Terre, Lunigiana and Genova October and November Flood. Landslide Residual risk assessment.
<b>Set. 2011</b>	Convener of K1 session "Patrimonio Culturale" Geoitalia - FIST 2011, 19-23 sept. Torino.
<b>Jul 2011</b>	Confirmed researcher in ISPRA after national competition.
<b>Feb. 2011</b>	In the Working Group of ETC-SIA – European Topic Centre on Spatial Information and Analysis, (2011 – 2013).
<b>Jan. 2011</b>	Convener of L24 session "Landslide and Cultural Heritage" in the 2 <sup>nd</sup> WLF.
<b>Jan. 2010</b>	In the Working Group for the support activities of ISPRA/ENVIRONMENTAL MINISTRI IPPC Committee as: contact person for investigations relating several IPPC industrial sites.
<b>Nov. 2009</b>	As a consultant for the stability analysis, the mitigation measures and executive design of " <i>geotechnical work on landslide triggered close to Ramici location</i> " in the Municipality of Lugnano in Teverina (TR).
<b>Oct. 2009</b>	On behalf of ISPRA to the day "Seismic Risk in Italy: Prevention Research Planning, Techniques" organized by the National Board of Geologists
<b>Sep. 2009</b>	On behalf ISPRA at the ninth forum of Earth Sciences Geoitalia2009 in Rimini, as chairman of the session " <i>Monitoring systems applied to the conservation of cultural heritage</i> " and as scientific <i>rapporteur</i> of five oral contributions.
<b>Jul. 2009</b>	ISPRA responsible for drafting the paragraph relating to landslides in the European Environmental Report by the European Environmental Agency (EEA 2008).
<b>Jun. 2009</b>	Involved in the ISPRA Working Group for the monitoring of mitigation measures implemented to reduce the landslide risk in the Abruzzo region affected by the April 2009 earthquake.
<b>Jun. 2009</b>	Participate for ISPRA to the FIRST ITALIAN WORKSHOP ON LANDSLIDES (1ST IWL) RAINFALL-INDUCED LANDSLIDES: mechanisms, monitoring techniques and nowcasting models for early warning systems
<b>Mar. 2009</b>	Selected by ISPRA for the realization of the National workshop on "The Implementation of Flood Directive 2007/60/EC: implementation of existing tools and future requirements"
<b>Feb. 2009</b>	Responsible for the support activities (engineering component) to the EIA commission relating to the investigation of Italy/Algeria gas pipeline design.
<b>Feb. 2009</b>	In the working group for the ISPRA Focus - Quality of Urban environment 2008 with the work – Hydraulic critical issues in the main Italian cities.
<b>Jan. 2009</b>	Technical annex under the agreements between ISPRA and three different university departments (Department of Geology and Geo-technology, University of Milano - Bicocca, Department of Earth Sciences of the University Florence and the Department of Earth Sciences, La Sapienza University of Rome); involved in research activities aimed at developing a methodology for the definition of landslide susceptibility at national scale through the use of the IFFI Project database.
<b>Oct. - Dec. 2008</b>	He attended the university post degree course in Rock Mechanics, Faculty of Engineering, University of Rome La Sapienza - Department of Structural and Geotechnical Engineering. Advanced Geotechnical Engineering - Degree (CFU = 6) for a total of 60 hours, held by Professor Tatiana Rotonda.
<b>Sep. 2008</b>	Selected among ten best Italian PhD, at the post-graduate school on landslide risk LARAM 2008 – 7 <sup>th</sup> to 20 <sup>th</sup> September 2008 in Ravello (60 hours of lectures, 10 tutorials and 5 of field training)
<b>May. 2008</b>	Invited speaker to the International Symposium: "Conservation and Sustainable Development of the Tuff Towns: An exploration of Pitigliano, Civita di Bagnoregio and Orvieto" organized by The World Monument Fund.

<b>Feb. 2008</b>	technical referent for work programme 2008 -2009; national ambit for the adoption of Directive 2007/60/CE (management and assessment of flood risk); at European level for the work programme "Working group F - on floods" (Common Implementation Strategy - CIS) water directive 2000/60/CE.
<b>Jan. 2008</b>	Account for monitoring of landslide mitigation measures for the province of Modena.
<b>Oct. 2007</b>	Scientific support for the Workshop: <i>Il progetto IFFI - Inventario dei Fenomeni franosi in Italia: Metodologia e Risultati</i>
<b>Aug. 2007</b>	Scientific reviewer for the journal <i>Natural Hazard</i> , Springer.
<b>Mar. 2007</b>	APAT's referent for the technical scientific organization of the Workshop on climate change and hydro geological disasters: Future scenarios to the national adaptation program. Naples - Castel dell'Ovo, 9 <sup>th</sup> -10 <sup>th</sup> July 2007
<b>Jan. 2007</b>	APAT's referent for the agreement between APAT and Sarno River basin Authority for the preliminary of mitigation measures for the debris flows risk reduction on the north portion of M. Pendolo Gragnano Municipality (Na).
<b>Nov. 2006</b>	Researcher in APAT - Geological Survey of Italy as expert in landslide risk, climate change vs. landslide hazard and monitoring of landslide mitigation measures for several Italian provinces.
<b>Feb. 2006</b>	As a geotechnical designer of consolidation works for landslide risk mitigation in the municipality of Mazzano Romano (Rome).
<b>Jan. 2006</b>	Consultant as geotechnical engineer (preliminary and executive design) of consolidation works for landslide risk mitigation (Law 180/1998) in the municipalities of: Anguillara Sabazia (Rome), Monterosi (Rome) (3 projects), Magliano Romano (Rome) (2 projects), Civita di Bagnoregio (Viterbo), Lubriano (Viterbo), San Felice Circeo (Rome), Zagarolo (Rome).
<b>Jul. 2004 – Oct. 2005</b>	With the Civita Consorzio as scientific responsible of the educational project "Landslide risk assessment Vs Cultural heritage"
<b>May. 2004</b>	As a geotechnical consultant with faculty of Geology, University "La Sapienza" of Rome, for design, consolidation works and landslide risk mitigation in the Cave municipality.
<b>Feb. 2002 – Feb.2006</b>	With the Faculty of Engineer (Department of structural and geotechnical engineer) as a consultant on geo-mechanical laboratory test.

## Selected Publications

- C. Margottini, D. Spizzichino, L.M. Puzzilli, P. Pagnin and A. Fiorin. Water table fluctuation and impact on the remains of Maya Devi Temple, the Birthplace of the Lord Buddha, UNESCO World Heritage Site (Lumbini, Nepal). Proceedings of the XVII ECSMGE-2019. Geotechnical Engineering foundation of the future. ISBN 978-9935-9436-1-3. © The authors and IGS: All rights reserved 2019. doi: 10.32075/17ECSMGE-2019-0303.
- D. Spizzichino, G. Leoni, L.M. Puzzilli, L. Guerrieri, M. Marcelli & C. Carta. The 2016 October 30th earthquake effects on cultural Heritage in Rome: the Necropoli Ostiense case study. Proceedings of VII International Conference on Earthquake Geotechnical Engineering. Roma (Italy), 17-20 June 2019. Taylor & Francis Group. 978-0-367-14328-2.
- Spizzichino D. (2018) Tiltmeter. In: Bobrowsky P.T., Marker B. (eds) Encyclopedia of Engineering Geology. Encyclopedia of Earth Sciences Series. Springer, Cham
- Rosa Maria Mateos, Pablo Ezquerro , Jose Miguel Azañón , Bernadí Gelabert, Gerardo, Herrera, Jose Antonio Fernández-Merodo, Daniele Spizzichino, Roberto Sarro, Inmaculada, Garcia-Moreno, Marta Béjar-Pizarro. Coastal lateral spreading in the world heritage site of the Tramuntana Range (Majorca, Spain). The use of PSInSAR monitoring to identify vulnerability. Landslides DOI 10.1007/s10346-018-0949-5 Received: 1 December 2017 Accepted: 12 January 2018. © Springer-Verlag GmbH Germany, part of Springer Nature 2018.
- A. Bruno, C. Margottini, L. Orlando & D. Spizzichino. Safeguarding the leaning Minareto of Jam (Afghanistan) in a conflict Scenario: State of the art and further needs. pp. 229-260. In - Geotechnics and Heritage: Historic towers - Renato Lancellotta, Alessandro Flora, Carlo Viggiani. August 8, 2017 by CRC Press. Reference - 262 Pages. ISBN 9781138748675 - CAT# K32676
- Boldini, D., Guido, G.L., Margottini, C. And Spizzichino D. Stability Analysis of a Large-Volume Block in the Historical Rock-Cut City of Vardzia (Georgia). Rock Mech Rock Eng (2017). <https://doi.org/10.1007/s00603-017-1299-7>
- S. Alberti, A. Ferretti, G. Leoni, C. Margottini and D. Spizzichino. Surface deformation data in the archaeological site of Petra from medium-resolution satellite radar images and SqueeSARTM algorithm, Journal of Cultural Heritage (2017), <http://dx.doi.org/10.1016/j.culher.2017.01.005>.
- Kyriacos Themistocleous, Branka Cuca, Athos Agapiou, Vasiliki Lysandrou, Marios Tzouvaras, Diofantos G. Hadjimitsis, Faidonas Kyriakides, Demetris Kouhartsiouk, Claudio Margottini, Daniele Spizzichino, Francesca Cigna, Giovanni Crosta, Paolo Frattini and José Antonio Fernandez Merodo. The Protection of Cultural Heritage Sites from GeoHazards: the PROTHEGO project. SPIE Remote Sensing 2016. 26th -29th Sept. Edinburgh.
- Francesca Cigna, Claudio Margottini, Daniele Spizzichino, Giovanni B. Crosta, Paolo Frattini, Kyriacos Themistocleous and José Antonio Fernandez Merodo. PROTHEGO: a harmonised approach to assess geohazards in areas of cultural heritage in Europe using remote sensing technologies. SPIE Remote Sensing 2016. 26th -29th Sept. Edinburgh.
- C. Margottini, D. Spizzichino, F. Cigna, G. B. Crosta, P. Frattini, K. Themistocleous & J. A. Fernandez Merodo. European UNESCO Cultural Heritage and Geo – Hazards: The PROTHEGO project. "Sensing the past: Remote Monitoring for Archaeology and Cultural Heritage" . RSCY2016. Fourth International Conference on Remote Sensing and Geoinformation of Environment. 4-8 April Paphos, Cyprus.
- D. Spizzichino, C. Margottini, E. Brustia, V. Commerci, B. Dessi, L. Guerrieri, C. Iadanza, A. Trigila & E. Vittori. EUROPEAN UNESCO CULTURAL HERITAGE SITES AFFECTED BY GEO - HAZARD. "Sensing the past: Remote Monitoring for Archaeology and Cultural Heritage" . RSCY2016. Fourth International Conference on Remote Sensing and Geoinformation of Environment. 4-8 April Paphos, Cyprus.
- M. Amanti, V. Chiessi, P. M. Guarino, D. Spizzichino, A. Troccoli, G. Vizzini, N. L. Fazio, P. Lollino, M. Parise, and C. Vennari. Back-analysis of a large earth-slide in stiff clays induced by intense rainfalls. Landslides and Engineered Slopes. Experience, Theory and Practice. Jun 2016 , 317 -324
- D. Spizzichino, C. Margottini, V. Chiessi, and D. Boldini. Assessment of the stability conditions of a large-volume sandstone block in the northern sector of the Siq of Petra. Landslides and Engineered Slopes. Experience, Theory and Practice. Jun 2016 , 1851 -1858
- Margottini C., Gigli G., Ruther H., Spizzichino D. (2016) Advances in geotechnical investigations and monitoring in rupestrian settlements inscribed in the UNESCO's World Heritage List. The Fourth Italian Workshop on Landslides, Procedia Earth and Planetary Science ([www.sciencedirect.com](http://www.sciencedirect.com)).
- Margottini C., Gigli G., Ruther H., Spizzichino D. (2016) Advances in sustainable conservation practices in rupestrian settlements inscribed in the UNESCO's World Heritage List. The Fourth Italian Workshop on Landslides, Procedia Earth and Planetary Science ([www.sciencedirect.com](http://www.sciencedirect.com))
- Alberti S., Ferretti A., Margottini C., Spizzichino D., - Surface deformation data in the archaeological site of Petra from medium-resolution satellite radar images. Journal of Cultural Heritage. In printing.
- Mario Costantini, Elena Francioni, Luca Paglia, Federico Minati, Claudio Margottini, Daniele Spizzichino, Alessandro Trigila, Carla Iadanza & Bruno De Nigris. PSP SAR interferometry monitoring of ground and structure deformations in the archaeological site of Pompeii. Geophysical Research Abstracts Vol. 18, EGU2016-15312-2, 2016 EGU General Assembly 2016 © Author(s) 2016.

18. Claudio Margottini, Daniele Spizzichino, Alessia Argento & Alfonsina Russo. Rock-fall hazard in the Etruscan archaeological site of Norchia (Central Italy). *Geophysical Research Abstracts* Vol. 18, EGU2016-14434, 2016 EGU General Assembly 2016 © Author(s) 2016.
19. Giovanni Gigli, Claudio Margottini, Daniele Spizzichino, Heinz Ruther & Nicola Casagli. True 3D kinematic analysis for slope instability assessment in the Siq of Petra (Jordan), from high resolution TLS. *Geophysical Research Abstracts* Vol. 18, EGU2016-14068-1, 2016 EGU General Assembly 2016 © Author(s) 2016.
20. Mikheil Elashvili, Nikoloz Vacheishvili, Claudio Margottini, Giorgi Basilaia, Davit Chkhaidze, Davit Kvavadze, Daniele Spizzichino, Francesco Boscagli, Giorgi Kirkitadze, Luka Adikashvili, and Levan Navrozashvili. Concept of Complex Environmental Monitoring Network – Vardzia Rock Cut City Case Study. *Geophysical Research Abstracts* Vol. 18, EGU2016-13460-2, 2016 EGU General Assembly 2016 © Author(s) 2016.
21. Claudio Margottini, Daniele Spizzichino, Francesca Cigna, Giovanni B. Crosta, Paolo Frattini, Kyriacos Themistocleous and José Antonio Fernandez Merodo – Protection of European Cultural Heritage from geo-hazards : the PROTHEGO project. *Geophysical Research Abstracts* Vol. 18, EGU2016-12571, 2016 EGU General Assembly 2016 © Author(s) 2016.
22. Paolo Maria Guarino, Mauro Lucarini, and Daniele Spizzichino – Landscape changes and natural hazards affecting the Pincio hill (Rome, Italy) in historical times. *Geophysical Research Abstracts* Vol. 18, EGU2016-12340, 2016 EGU General Assembly 2016 © Author(s) 2016.
23. Margottini, C., Spizzichino, D., Crosta, G.B., Frattini, P., Mazzanti P., Scarascia G., beninati L.(2016). Rock fall instabilities and safety of visitors in the historic rock cut monastery of Vardzia (Georgia). *Volcanic Rocks and Soils – Rotonda et al. (eds) Taylor & Francis Group, London ISBN 978-1-138-02886-9. pp. 372-378.* *Volcanic Rock and Soil*.
24. D. Spizzichino, P.M. Guarino, M. Lucarini & S. Lepera - The Pincio Hill: contribution to the geomorphological evolution and geological settings reconstruction. *Bolletino di Archeologia*: ISSN 2039-0076 (2016). pp.13
25. B. Dessi, A. Cataldo, D. Spizzichino, P. Villani. Il rischio idrogeologico e la rete viaria nazionale minore. *Strade & Autostrade* n°1 2015. pp.8.
26. Margottini C., Melelli L., Spizzichino D. Chapter: A "living landscapes" at the border of volcano: Mesa and Butte landforms in Lazio, Umbria and Tuscany. *LANDFORMS AND LANDSCAPES OF ITALY* Series Editor: Piotr MIGON Book Editors: Mauro SOLDATI & Mauro MARCHETTI Publisher: Springer. pp.16
27. Margottini, C., Antidze, N., Corominas, J., Crosta, G.B., Frattini, P., Gigli, G., Giordan, D., Iwasaky, I., Lollino, G., Manconi, A., Marinos, P., Scavia, C., Sonnessa, A., Spizzichino, D., & Vacheishvili, N. (2015). Landslide hazard, monitoring and conservation strategy for the safeguard of Vardzia Byzantine monastery complex, Georgia. *Landslides*, 12: 193-204
28. Marco Amanti, Vittorio Chiessi, Paolo Maria Guarino, Daniele Spizzichino, Alessandro Troccoli, and Giorgio Vizzini. Stability model and risk assessment for the Montescaglioso Landslide. (Southern Italy). *Geophysical Research Abstracts* Vol. 17, EGU2015-14384-1, 2015 EGU General Assembly 2015 © Author(s) 2015
29. D. Spizzichino, V. Campo, M. P. Congi, C. Cipolloni, G. Delmonaco, L. Guerrieri, C. Iadanza, G. Leoni, and Alessandro Trigila. Landslide hazard assessment : LIFE+IMAGINE project methodology and Liguria region use case. *Geophysical Research Abstracts* Vol. 17, EGU2015-14398, 2015 EGU General Assembly 2015 © Author(s) 2015.
30. D. Spizzichino. Rischi naturali e patrimonio culturale italiano. *Materiali e strutture* Prima e dopo il restauro nuova serie ii n° 5-6 2014.
31. C. Margottini and D. Spizzichino - Chapter 2. How Geology Shapes Human Settlements. *Reconnecting the City: The Historic Urban Landscape Approach and the Future of Urban Heritage*. Francesco Bandarin & Ron van Oers (Editors). ISBN: 978-1-118-38398-8 376 pages December 2014, Wiley-Blackwell. pp.47-84
32. Claudio Margottini, Daniele Spizzichino, Alberico Sonnessa and Luca Maria Puzzilli. Natural Hazard Affecting the Katskhi Pillar Monastery (Georgia). G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 8* DOI: 10.1007/978-3-319-09408-3\_68, © Springer International Publishing Switzerland 2015. pp. 393-398.
33. G. Delmonaco, G. Leoni, C. Margottini and D. Spizzichino. Implementation of advanced monitoring System Network in the Siq of Petra (Jordan). G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 8*, DOI 10.1007/978-3-319-09408-3\_52, © Springer International Publishing Switzerland 2015. pp. 299-303.
34. Margottini C., Spizzichino D. (2014). The management of cultural heritage in sites prone to natural hazard. *Mem. Descr. Carta Geol. d'It. XCVI* (2014).
35. Claudio Margottini, Jordie Corominas, Giovanni Battista Crosta, Paolo Frattini, Giovanni Gigli, Ioshinori Iwasaky, Giorgio Lollino, Paul Marinos, Claudio Scavia, Alberico Sonnessa, Daniele Spizzichino, and Daniele Giordan. Landslide Hazard Assessment, Monitoring and Conservation of Vardzia Monastery Complex. G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 8*, DOI 10.1007/978-3-319-09408-3\_51, © Springer International Publishing Switzerland 2015. pp. 293-297.
36. Daniele Spizzichino, Alessio Capriolo, and Fiorina Di Gioia. Climate Change, Landslide Risk Assessment and Adaptation Policies: The Urban Area of Ancona Municipality. G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 5*, DOI: 10.1007/978-3-319-09048-1\_159, © Springer International Publishing Switzerland 2015. pp. 821-825
37. Brancaloni R., Celletti F., Garbin F., Padula G., Serio L., Spizzichino D. (2014). Consolidation and Restoration of the Moletta's Tower (Circus Maximus\_ Roma)\_ *Engineering Geology for Society and Territory – Volume 8*, DOI 10.1007/978-3-319-09408-3\_51, © Springer International Publishing Switzerland 2015. pp. 335-338 – IAEG XII CONGRESS, Torino 2014.
38. G. Delmonaco, C. Margottini, D. Spizzichino & B. Khrisat (2014) - Rock Slope Potential Failures in the Siq of Petra (Jordan) - *Landslide Science for a Safer Geoenvironment*. Volume 3: Targeted Landslides. Part V. pp 341-347. DOI 10.1007/978-3-319-04996-0\_52. ISBN 978-3-319-04995-3. Springer International Publishing.
39. C. Margottini, L. M. Puzzilli, A. Sonnessa, D. Spizzichino (2014) - Instability processes affecting the Katskhi pillar Monastery (Georgia) - *Landslide Science for a Safer Geoenvironment*. Volume 3: Targeted Landslides. Part V. pp 349-355. DOI 10.1007/978-3-319-04996-0\_53. ISBN 978-3-319-04995-3. Springer International Publishing.
40. Maria Pia Congi, Valentina Campo, Carlo Cipolloni, Giuseppe Delmonaco, Luca Guerrieri, Carla Iadanza, Daniele Spizzichino, and Alessandro Trigila. Landslide risk impact management and web services for improving resilience: the LIFE+IMAGINE project approach- *Geophysical Research Abstracts* Vol. 16, EGU2014-6611, 2014 EGU General Assembly 2014
41. B. Dessi, A. Cataldo, D. Spizzichino, P. Villani Characterization of extreme events on Italian roads in winter time (T.C. 2.5 PIARC) XIVE Congrès international de la Viabilité hivernale Andorre la Vieille, 4-7 février 2014 Sessione: Evénements extrêmes en hiver (Tema 3)
42. Daniele SPIZZICHINO, Carlo CACACE, Carla IADANZA, Alessandro TRIGILA (2013) BENI CULTURALI E RISCHIO IDROGEOLOGICO IN ITALIA. *Bollettino ICR Nuova Serie* numero 27 2013
43. Claudio MARGOTTINI, Maria MARSELLA, Luciana ORLANDO, Orlando PANDOLFI, B. RENZI, Alberico SONNESSA, Pierluigi SODDU, Daniele SPIZZICHINO, The Rock mechanical and geophysical characterization of Moai statues Rapa Nui Easter Island (Chile) 18th International Conference on soil Mechanics and geotechnical Engineering" a Parigi. Presentazione orale al workshop on Geo Engineering for conservation of Cultural Heritage
44. Claudio MARGOTTINI, Mauro SOLDATI, Daniele SPIZZICHINO - Landslide risk assessment and management in the archaeological site of Machu Picchu Inca citadel (Peru) 8th IAG International Conference on Geomorphology Paris from August 27 to 31, 2013. Presentazione Orale 3rd SAGA Trento 9 -11 ottobre 2012
45. C. Margottini, D. Spizzichino & A. Sonnessa 2013 - Landslide risk and monitoring system for conservation of Vardzia monastery, Georgia. *Proceedings of Geotechnical Engineering for the Preservation of Monuments and Historic Sites* (Napoli, Italy 30-31 May 2013)
46. Daniele Spizzichino, Carlo Cacace, Carla Iadanza, and Alessandro Trigila. Cultural Heritage exposed to landslide and flood risk in Italy- *Geophysical Research Abstracts* Vol. 15, EGU2013-11081, 2013 EGU General Assembly 2013
47. Akasheh T, Cesaro G., Delmonaco G., Paolini A., Khrisat B., Margottini C., Spizzichino D., Ruther H. (2013). Integrated approach for geo-heritage conservation and protection of the Siq of Petra. 7th World Archaeological Congress – WAC-7, The Dead Sea, Jordan, January 13th-18th 2013.
48. Iadanza C., Cacace C., Del Conte S., Spizzichino D., Cespa S. & Trigila A. Il monitoraggio satellitare dei Beni Culturali esposti a fenomeni franosi lenti IV CONGRESSO NAZIONALE AIGA Perugia, Facoltà di Ingegneria dell'Università 6-7 febbraio 2012



49. Spizzichino D., Margottini C., Castellaro S. and Mulargia F. (2013) Passive Seismic survey for Cultural Heritage landslide risk assessment. In: K. Sassa, P. Canuti, C. Margottini (eds.) *Landslide science and practice Vol. 6 Risk Assessment, Management and Mitigation*. Springer pp. 483-489
50. Campobasso C., Delmonaco G., Dessi B., Gallozzi P., Ligato D., Porfidia B., Spizzichino D., Traversa F. and Vizzini G. (2012) Long term strategies and policies for landslide risk mitigation in Italy: the ReNDiS project. In: K. Sassa, P. Canuti, C. Margottini (eds.) *Landslide science and practice Volume 7: Social and Economic Impact and Policies*, Springer pp. 39-45.
51. Delmonaco G., Margottini C. and Spizzichino D. (2013). Rock-fall hazard assessment in the Siq of Petra, Jordan. In: K. Sassa, P. Canuti, C. Margottini (eds.) *Landslide science and practice Vol. 6 Risk Assessment, Management and Mitigation* Springer, pp. 441-449.
52. Delmonaco G., Margottini C., Orlando L. and Spizzichino D. (2013) Integration of geophysical investigation to landslide analysis in the archaeological site of Stabiae (Italy). In: K. Sassa, P. Canuti, C. Margottini (eds.) *Landslide science and practice Vol. 6 Risk Assessment, Management and Mitigation* Springer, pp. 561-568.
53. Delmonaco G., Garbin F., Marsella M., Margottini C., Sonnessa A. and Spizzichino D. (2013) Laser scanning analysis and landslide risk assessment on transportation network: the Lugnano in Teverina (Umbria Region, Italy), landslide case study. In: K. Sassa, P. Canuti, C. Margottini (eds.) *Landslide science and practice Vol. 2 Early warning, Instrumentation and Monitoring*. Springer, pp. 207-214
54. Delmonaco G., Fiorenza D., Guerrieri L., Iadanza C., Spizzichino D., Trigila A., Vittori E. (2013) Landslide risk assessment and management using IT services and tools: the EU BRIDEID Project approach. In: K. Sassa, P. Canuti, C. Margottini (eds) *Landslide science and practice Vol. 7 Socio and Economic Impact and Policies*. Springer, pp. 17-22.
55. Iadanza C., Cacace C., Del Conte S., Spizzichino D., Cespa S., Trigila A. (2013) Cultural heritage, landslide risk and remote sensing in Italy. In: K. Sassa, P. Canuti, C. Margottini (eds) *Landslide science and practice Vol. 6 Risk Assessment, Management and Mitigation*. Springer, pp. 491-500.
56. Trigila A., Frattini P., Casagli N., Catani F., Crosta G., Esposito C., Iadanza C., Lagomarsino D., Lari S., Scarascia Mugnozza G., Segoni S., Spizzichino D., Tofani V. (2013) Landslide susceptibility mapping at national scale: the Italian case study. In: K. Sassa, P. Canuti, C. Margottini (eds) *Landslide science and practice Vol. 1 Inventory and hazard assessment*. Springer, pp. 287-296.
57. Spizzichino D., Margottini C., Trigila A., Iadanza C. (2013) Landslide impacts in Europe: weaknesses and strengths of databases available at European and national scale. In: K. Sassa, P. Canuti, C. Margottini (eds) *Landslide science and practice Vol. 1 Inventory and hazard assessment*. Springer, pp. 73-80.
58. Delmonaco G., Guarino P.M., Lucarini M. and Spizzichino D. (2012). Debris flows triggered by 25th October 2011 event in Val di Vara (Liguria, Italy). In *Proceedings of the international workshop: Monitoring bedload and debris flows in mountain basins. Bozen-Bolzano (Italy) 10-12 October 2012*.
59. Spizzichino D. and Margottini C. (2012). Geotechnical characterisation and monitoring activities for Cultural Heritage conservation: the case study of Vardzia Monastery (Georgia). In *Proceedings of Second International Symposium on Geotechnical Engineering for the preservation of Monuments and Historic sites. 30-31may 2013 Napoli*.
60. Delmonaco G., Margottini C. and Spizzichino D. (2012). Slope dynamics, monitoring and geological conservation of the Siq of Petra (Jordan). In *Proceedings of Second International Symposium on Geotechnical Engineering for the preservation of Monuments and Historic sites. 30-31may 2013 Napoli*
61. Margottini C., Marsella M., Orlando L., Pandolfi O., Renzi B., Sonnessa A., Soddu P and Spizzichino D. (2012). Geotechnical and geophysical characterization of Moai statues – Rapa Nui Easter Island (Chile). In *Proceedings of Second International Symposium on Geotechnical Engineering for the preservation of Monuments and Historic sites. 30-31may 2013 Napoli*
62. Spizzichino D., Margottini C. and Puzilli L.M. (2012). Landslide risk assessment and management in the archaeological site of Machu Picchu (Peru). In *Proceedings of Second International Symposium on Geotechnical Engineering for the preservation of Monuments and Historic sites. 30-31may 2013 Napoli*.
63. Delmonaco G., Margottini C. and Spizzichino D. (2012). Slope dynamics, monitoring and geological conservation of the Siq of Petra (Jordan). *34th International Geological Congress – Symposium 31.4. Abstract Book, 5-10 August, Brisbane Australia*
64. Margottini C., Marsella M., Orlando L., Pandolfi O., Renzi B., Sonnessa A., Soddu P and Spizzichino D. (2012) Low impact investigation techniques for Cultural Heritage conservation: case study of Moai statues – Rapa Nui Easter Island (Chile). *34th International Geological Congress – Symposium 1.1. Abstract Book, 5-10 August, Brisbane Australia*.
65. Capriolo, Giordano, Mascolo, Finocchiaro, Sinisi, Tuscano, Gaddi, Mastrofrancesco, Cusano, Bonanni, Vicini, Mandrone, Spizzichino, Di Legino, Assennato, Cacace, Giovagnoli, Progetto Life Act – Adapting to Climate change in Time: Impatto dei cambiamenti climatici sui beni culturali Qualità dell'ambiente urbano, VIII Rapporto-ISPRA, Cap. 7, p 215-216, Edizione 2012, ISBN 978-88-448-0561-6
66. Arduzzone F., Guzzetti F., Iadanza C., Rossi M., Spizzichino D., and Trigila A. Solid discharge and landslide activity at basin scale. *Geophysical Research Abstracts Vol. 14, EGU2012-11100, 2012 EGU General Assembly 2012 © Author(s) 2012*.
67. Margottini C., Spizzichino D., Castellaro S. and Mulargia F. (2011) Vibration analysis for the prediction of rock fall instability: application to the archaeological ceremonial centre of Mata Ngarau (Orongo Village, Rapa Nui). *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 598*.
68. Spizzichino D., Margottini C., Castellaro S. and Mulargia F. (2011) Passive Seismic survey for Cultural Heritage landslide risk assessment. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 601*.
69. Campobasso C., Delmonaco G., Dessi B., Gallozzi P., Ligato D., Porfidia B., Spizzichino D., Traversa F. and Vizzini G. (2011) Long term strategies and policies for landslide risk mitigation in Italy: the ReNDiS project. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 677*.
70. Delmonaco G., Margottini C. and Spizzichino D. (2011). Rock-fall hazard assessment in the Siq of Petra, Jordan. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 588*
71. Margottini C., Delmonaco G., Spizzichino D. and Pandolfi O. (2011) Landslide mitigation measures for the conservation of the archaeological site of Orongo (Easter Island-Chile). *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 595*.
72. Delmonaco G., Margottini C., Orlando L. and Spizzichino D. (2011) Integration of geophysical investigation to landslide analysis in the archaeological site of Stabiae (Italy). *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 589*.
73. Delmonaco G., Garbin F., Marsella M., Margottini C., Sonnessa A. and Spizzichino D. (2011) Laser scanning analysis and landslide risk assessment on transportation network: the Lugnano in Teverina (Umbria Region, Italy), landslide case study. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 368*
74. Delmonaco G., Fiorenza D., Guerrieri L., Iadanza C., Spizzichino D., Trigila A. and Vittori E. (2011) Landslide risk assessment and management using IT services and tools: the EU BRIDEID Project approach. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 678*
75. Trigila A., Cacace C., Iadanza C., Del Conte S., Spizzichino D., Cespa S. (2011) Cultural heritage, landslide risk and remote sensing in Italy. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 603*
76. Trigila A., Casagli N., Catani F., Crosta G., Esposito C., Frattini P., Iadanza C., Scarascia Mugnozza G., Segoni S., Spizzichino D., Tofani V. (2011) Landslide susceptibility mapping at national scale: the Italian case study. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 158*
77. Spizzichino D., Margottini C., Trigila A., Iadanza C. (2011) Landslide impact in Europe: weaknesses and strengths of databases available at European and national scale. *The Second World Landslide Forum - Abstract Book, 3-9 October 2011, FAO, Rome, Italy. ISPRA, p. 152*
78. Spizzichino D. – Geological and Hydraulic risk assessment in Urban Areas: The Ancona Case Study. *Settimo forum italiano di scienze della terra, Torino 19-23 settembre 2011. 10.1474/Epitome.04.0158.Geoitalia 2011. sessione B4 p.47*
79. Delmonaco G., Margottini C. and Spizzichino D. – *Landslide Rapid Assessment in the Siq of Petra, Jordan*. - Settimo forum italiano di scienze della terra, Torino 19-23 settembre 2011. 10.1474/Epitome.04.0823.Geoitalia 2011. sessione K1 p.223.
80. Spizzichino D. (2011). Verifica delle condizioni di stabilità della cittadella Inca di Machu Picchu (Perù) e definizione di un Master Plan per la messa in sicurezza del sito in Atti del 1° Incontro Annuale dei Giovani Ingegneri Geotecnici (IAGIG) organizzato e promosso dall'AGI a Salerno il 27 -28 maggio.

81. Dessi B., Guerrieri L., Iadanza C., Monacelli G., Spizzichino D., Trigila A. Overview on national flood (impact) databases in Europe Analysis from ETC SIA survey. Presentazione dei risultati ISPRA nell'ambito del progetto ETC-SIA al "Expert meeting on hazard/disaster data: EU Flood information". Brussels 19 May 2011.
82. Delmonaco G., Fiorenza D., Guerrieri L., Iadanza C., Margottini C., Spizzichino D., Trigila A. and Vittori E. Geological risk assessment, mitigation and IT services and tools management: the BRISEIDE Project approach. Geophysical Research Abstracts Vol. 13, EGU2011-10835, 2011 EGU General Assembly 2011 © Author(s) 2011.
83. Capriolo A., Giordano F., Mascolo R.A., and Spizzichino D. Climate change and disaster risk reduction through adaptation plans and policies: the ACT (Adapting to Climate change in Time) project approach. Geophysical Research Abstracts Vol. 13, EGU2011-11928, 2011 EGU General Assembly 2011 © Author(s) 2011.
84. Capriolo A., Giordano F., Mascolo R.A., and Spizzichino D. (2011). Climate change and adaptation policies in the euro Mediterranean area: proposed strategies in the life act (Adapting to Climate change in Time) PROJECT. In: Le modificazioni climatiche e i rischi naturali. Polemio M. (Ed.), ISBN 9788890508806, CNR IRPI, Bari 2011. pp. 173-176.
85. Spizzichino D.; Trigila A., Iadanza C., Delmonaco G.. *Landslide Risk Pilot*. 3rd Briseide Project Meeting Agenda. presentazione orale, Lisbona 22-23 of February 2011.
86. Spizzichino D.; Trigila A., Iadanza C., Delmonaco G., Margottini C.. *Landslide Risk Pilot*. BRISEIDE (Bridging Services, Information and Data for Europe) 2nd Project meeting Rome 2- 4 September 2010
87. Spizzichino D., Margottini C., Trigila A., Iadanza C. Mapping the impacts of natural hazards and technological accidents in Europe An overview of the last decade. EEA Technical report No 13/2010 ISBN 978-92-9213-168-5 ISSN 1725-2237 doi:10.2800/62638. p 81-91
88. Spizzichino D. - Climate change, geological and hydrological impact assessment and adaptation policy - LIFE08 ENV/IT/436 - Kick off meeting of the Life project ACT- Adapting to Climate change in Time. Rome 19 - 21 July 2010 Rome.
89. Dessi B., Iadanza C., Gallozzi P., Spizzichino D. and Trigila A. - Debris flow and flash flood, ispra experiences through mapping and monitoring of mitigation measures and risk reduction in Italy. Working Group F Thematic workshop "Flash Flood and Pluvial Flooding". Cagliari. Abstract e Poster. 26-28 May 2010. In: Abstract Book p.63
90. Spizzichino D. - Il contributo del progetto IFFI (inventario dei fenomeni franosi in Italia) e del progetto RenDis (repertorio nazionale degli interventi per la difesa del suolo) per la mitigazione del rischio da frana - Convegno "La difesa del suolo in Lombardia" Varese 27 aprile 2010.
91. Delmonaco G., Margottini C., Spizzichino D. Kinematic analysis for the implementation of landslide mitigation measures. European Geosciences Union 2010 General Assembly. Vol. 12, EGU2010-10383, 2010. EGU General Assembly 2010. © Author(s) 2010
92. Trigila A., Spizzichino S., and Iadanza C. The impact of landslides on urban areas and infrastructure in Italy. European Geosciences Union 2010 General Assembly. Vol. 12, EGU2010-3286, 2010. EGU General Assembly 2010 © Author(s) 2010
93. Margottini C. and Spizzichino D. Climate change, geological and hydrological hazard and adaptation policy. European Geosciences Union 2010 General Assembly. Vol. 12, EGU2010-10870, 2010 EGU General Assembly 2010 © Author(s) 2010
94. Margottini C. and Spizzichino D. The management of cultural and environmental heritage sites: a pivot for conservation and enhancement. Proceedings of the first International Symposium on Danxia Landform. The 2nd collection. Danxiashan, Guadong (China), 26-28 May, 2009
95. Braca G., Bussetini M., Dessi B., Lastoria B., Monacelli G., Spizzichino D. Verso il recepimento della Direttiva 2007/60/CE: analisi della situazione attuale della pianificazione e della gestione del rischio di inondazione e proposta per la richiesta delle deroghe ex art. 13. pp.25 Eds. ISPRA Luglio 2009. ISBN 978-88-448-0316-2
96. Delmonaco G., Margottini C. and Spizzichino D. Weathering processes, structural degradation and slope-structure stability of rock-hewn churches of Lalibela (Ethiopia) From: Calcaterra, D. & Parise, M. (eds) Weathering as a Predisposing Factor to Slope Movements. Geological Society, London, Engineering Geology Special Publications 2010; v. 23; p. 131-147.
97. Marsella M., Sonnessa A., Orlando L., Soddu P., Margottini C., Spizzichino D.. Ricostruzione 3D e caratterizzazione dei materiali delle statue Moai dell'Isola di Pasqua. GEOMEDIA n°6/2009 (pp. 14-17).
98. Braca G., Bussetini M., Dessi B., Iadanza C., Lastoria B., Spizzichino D. Urbanizzazione e rischio idraulico nei principali capoluoghi italiani in Qualità dell'ambiente Urbano VI Rapporto ISPRA Edizione 2009, pp. 75-80
99. Trigila A., Iadanza C., Spizzichino D. - *Quality assessment of the Italian landslide Inventory using GIS processing*. Springer Eds. Landslide DOI: 10.1007/s10346-010-0213-0, pp 1-17
100. Mazzoli S., Vitale S., Delmonaco G., Guerriero V., Margottini C., Spizzichino D. - Diffuse faulting in the Machu Picchu granitoid pluton, Eastern Cordillera, Peru - Journal of Structural Geology Vol. 31, pp. 1395-1408, doi: 10.1016/j.jsg.2009.08.010.
101. Margottini C., Marsella M., Orlando L., Pandolfi O., Soddu P., Sonnessa A., Spizzichino D., Delmonaco G., Cardarelli E., De Donno G.. - *Low impact investigation techniques for parameterization and conservation of Cultural Heritage: the case study of Moai statues at Easter Island (Chile)*. Geoitalia 2009 - sesto forum italiano di scienze della terra, Rimini 09-11 settembre 2009, in Epitome Volume 3 Sessione F6 p.164
102. Delmonaco G., Margottini C. and Spizzichino D. - *Geological and geotechnical characterization of palagonite tuff of moai statues in eastern island (chile)*. Geoitalia 2009 - sesto forum italiano di scienze della terra, Rimini 09-11 settembre 2009, in Epitome Volume 3 Sessione K2 p.262
103. Trigila A., Iadanza C., Spizzichino D. - Landslide risk in urban areas of Italy and land use planning and management. Geoitalia 2009 - sesto forum italiano di scienze della terra, Rimini 09-11 settembre 2009 in Epitome Volume 3 Sessione E5 p.146
104. Spizzichino D., Campobasso C., Dessi B., Gallozzi P., Traversa F. - Long Term strategy on "Slope stability mitigation measures", the Italian monitoring experience: the *ReNDis* project. Geoitalia 2009 - sesto forum italiano di scienze della terra, Rimini 09-11 settembre 2009. in Epitome Volume 3 Sessione B8 p.71
105. Trigila A., Cacace C., Iadanza C., Margottini C., Spizzichino D. & Bianchi A. - Cultural Heritage and Landslide Risk in Italy Geoitalia 2009 - sesto forum italiano di scienze della terra Rimini 09-11 settembre 2009, in Epitome Volume 3 Sessione F6 p.163
106. Delmonaco G., Margottini C. and Spizzichino D. *Low-impact interventions for the preservation of cultural heritage: the dying town of Civita di Bagnoregio (Central Italy) and the killer landslide* Protection of Historical Buildings, PROHITECH 09 - Mazzolani (ed) © 2009 Taylor & Francis Group, London, ISBN 978-0-415-55803-7. Vol.2 pp. 1455 - 1459.
107. Delmonaco G., Margottini C. and Spizzichino D. *Geomorphological and geotechnical analysis as primary measures for the conservation of Buddha niches and cliff in Bamiyan (central Afghanistan)* Protection of Historical Buildings PROHITECH 09 - Mazzolani (ed) © 2009 Taylor & Francis Group, London, ISBN 978-0-415-55803-7. Vol.1 pp 911 - 916
108. Delmonaco G., Margottini C., Orlando L. and Spizzichino D. *Environmental impact assessment for the re-erection of the Roma Stela in the North Stelae Park of Aksum (Ethiopia)* - Protection of Historical Buildings PROHITECH 09 - Mazzolani (ed) © 2009 Taylor & Francis Group, London, ISBN 978-0-415-55803-7. Vol.1 pp. 899 - 904.
109. Delmonaco G., Margottini C., Spizzichino D. and Falconi L. *Exposure and vulnerability of cultural heritage affected by Geomorphological Hazard: the Machu Picchu case study* - Protection of Historical Buildings PROHITECH 09 - Mazzolani (ed) © 2009 Taylor & Francis Group, London, ISBN 978-0-415-55803-7. Vol.1 pp 905 - 909.
110. Delmonaco G., Margottini C. and Spizzichino D. *Analysis of rock weathering and conservation strategies for rock-hewn churches of Lalibela (Ethiopia)* - Protection of Historical Buildings PROHITECH 09 - Mazzolani (ed) © 2009 Taylor & Francis Group, London, ISBN 978-0-415-55803-7. Vol.1 pp 137 -142
111. Delmonaco G., Margottini C., Spizzichino D., O. Pandolfi, R. Cristostomo, S. Nohe. *Potential landslide activity affecting the archaeological site of Orongo (Easter Island-Chile): preliminary analysis*- European Geosciences Union 2009 General Assembly, Vienna Austria, 19-24 April 2009.
112. Delmonaco G., Margottini C., G. Martini, S. Paolini, D. Spizzichino. *Large scale shallow landslides hazard assessment of the Inca Historical Sanctuary area (Peru)*- European Geosciences Union 2009 General Assembly, Vienna Austria, 19-24 April 2009.
113. Spizzichino D., Delmonaco G., Margottini C. *Geo-structural modelling for potential large rock slide in Machu Picchu*- European Geosciences Union 2009 General Assembly, Vienna Austria, 19-24 April 2009
114. Trigila A., Iadanza C., Spizzichino D. *IFFI project and evaluation of the quality indices of landslide databases for their use in susceptibility models* - European Geosciences Union 2009 General Assembly, Vienna Austria, 19-24 April 2009

115. Spizzichino D., Campobasso C. Gallozzi P. Dessi' B. Traversa F. *Economic aspects of hydro geological risk mitigation measures management in Italy: the ReNDiS project experience* - European Geosciences Union 2009 General Assembly, Vienna Austria, 19-24 April 2009.
116. Braca G., Bussetini M., Dessi B., Latoria B., Spizzichino D. Implementazione della direttiva 2007/60/CE-Analisi della situazione attuale: risultanze del "Questionario ISPRA". Verso il recepimento della DIRETTIVA 2007/60/CE: Strumenti Attuativi e Adempimenti Futuri. Roma Auditorium ISPRA, 04 marzo 2009.
117. Dessi B., Gallozzi P., Spizzichino D. ReNDiS-Repertorio Nazionale degli interventi per la Difesa del Suolo. Verso il recepimento della DIRETTIVA 2007/60/CE: Strumenti Attuativi e Adempimenti Futuri. Roma Auditorium ISPRA, 04 marzo 2009.
118. Braca G., Bussetini M., Dessi B., Iadanza C., Latoria B., Spizzichino D. *Criticità idrauliche nei principali capoluoghi italiani in Qualità dell'ambiente Urbano V Rapporto ISPRA Edizione 2008, Focus su Il Suolo, il Sottosuolo e la Città*, pp. 123-126
119. Spizzichino D., Dessi B., Vizzini G., Campobasso C. - *Analisi statistica dello stato di attuazione degli interventi di messa in sicurezza dal rischio idraulico e geologico: il panorama nazionale ed il progetto ReNDiS* - Nona Conferenza Nazionale di Statistica 15-16 Dicembre 2008 Palazzo dei Congressi. Roma. In Atti del convegno p.24
120. Canuti P., Margottini C., Spizzichino D. *Effects of landslides on Machu Picchu Cultural Heritage* – K. Sassa, P. Canuti (Eds.) Landslide Disaster Risk Reduction © Springer-Verlag Berlin Heidelberg 2009 The First World Landslide Forum 18-21 November 2008, Tokyo, Japan ISBN 978-3-540-69970-5 pp. 411- 416
121. Canuti P., Margottini C., Casagli N., Delmonaco G., Falconi L., Ferretti A., Lollino G., Puglisi C., Spizzichino D. and Tarchi D. *Monitoring, geomorphological evolution and slope stability of inca citadel of Machu Picchu: results from Italian Interfrasi Project*- Landslide Disaster Risk Reduction © Springer-Verlag Berlin Heidelberg 2009 The First World Landslide Forum 18-21 November 2008, Tokyo, Japan ISBN 978-3-540-69970-5 pp. 249 – 257
122. Trigila A., Iadanza C., Spizzichino D. *IFFI PROJECT (Italian landslide inventory) and risk assessment* - Landslide Disaster Risk Reduction © Springer-Verlag Berlin Heidelberg 2009 The First World Landslide Forum 18-21 November 2008, Tokyo, Japan ISBN 978-3-540-69970-5 pp. 341-344
123. Gallozzi P.; Guerrieri L.; Spizzichino D.; Vizzini G.; Campobasso C.. *Il progetto ReNDiS: stato di attuazione ed accessibilità dei dati. Atti 12a Conferenza Nazionale ASITA, L'Aquila 21 – 24 ottobre 2008*
124. Proietti Pannunzi E., Gallozzi P.L., Guerrieri L., Spizzichino D., Vizzini G. *Hydro geological risk and mitigation measures in Italy: results of the ReNDiS project*. 33rd IGC Congress in Oslo 6 - 14 August 2008
125. Margottini C., Spizzichino D., Onorati G.. *Climate change, natural disasters and adaptation: the Italian perspective*. 33rd IGC Congress in Oslo 6 - 14 August 2008.
126. Margottini C., Panizza M. and Spizzichino D. *The huge landslide on which the Machu Picchu citadel was founded*. 33rd IGC Congress in Oslo 6 - 14 August 2008
127. Serva L., Spizzichino D., Policicchio R., Pistocchi L., Ligato D. *An innovative approach for management and governance of rapid mass movement, risk assessment and mitigation measure: the case study of Monte Pendolo, Gragnano village (Na, Italy)*. 33rd IGC Congress in Oslo 6 - 14 August 2008.
128. Margottini C. & Spizzichino D. *Nuove tecniche di consolidamento a basso impatto ambientale a Civita di Bagnoregio*. International Symposium. Conservation and Sustainable Development of the Tuff Towns :An exploration of Pitigliano, Civita di Bagnoregio and Orvieto 14–17 /may 2008- World Monuments Fund.
129. Trigila A., Iadanza C., Spizzichino D. *Urban sprawl and landslide risk in italy: outcome of iffi project*. 33rd IGC Congress in Oslo 6 - 14 August 2008
130. Delmonaco G., Ferrara F., Margottini C., Spizzichino D.: *Landslide hazard assessment, stability analysis modelling and mitigation measures applied to the archaeological area the ancient stabiae (gulf of naples, italy)*. Geoitalia 2007 - sesto forum italiano di scienze della terra, Rimini 12-14 settembre 2007
131. Spizzichino D., Serva L., Cannata G., Policicchio R., Pistocchi L., Ligato D., Della gatta M.: *An innovative approach for rapid mass movement hazard assessment and risk mitigation measure: the test site of monte Pendolo, Gragnano village (Na, Italy)*. Geoitalia 2007 - sesto forum italiano di scienze della terra, Rimini 12-14 settembre 2007
132. Margottini C., Spizzichino D., Onorati G. *Gli eventi preparatori della conferenza - Sintesi dei lavori. Cap.6 Dissesto idrogeologico*. Conferenza Nazionale sui Cambiamenti Climatici 2007. Roma 12-13 settembre 2007 Palazzo della Fao. Pp 103-118
133. Delmonaco G., Margottini C., Orlando L., Spizzichino D. *Geological and geophysical investigation in the north stelae park of aksum (ethiopia) as contribution for the re-erection of the Roma stela*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007
134. Delmonaco G., Margottini C., Spizzichino D. *Geological degradation and rock-slope structure stability of Aba Libanos Church in Lalibela, Ethiopia*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007 - Geophysical Research Abstracts, Vol. 9, 06706, 2007 SRef-ID: 1607-7962/gra/EGU2007-A-06706
135. Boldini D., Delmonaco G., Gasbarrone F., Margottini C., Spizzichino D. *Assessment of the instability phenomena affecting the historical village of Craco (Southern Italy)*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007 - Geophysical Research Abstracts, Vol. 9, 09729, 2007 SRef-ID: 1607-7962/gra/EGU2007-A-09729
136. Delmonaco G., Falconi L., Margottini C., Orlando L., Spizzichino D. *A novel procedure for exposure and vulnerability of Cultural Heritage at landslide risk*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007 - Geophysical Research Abstracts, Vol. 9, 07964, 2007 SRef-ID: 1607-7962/gra/EGU2007-A-07964
137. Delmonaco G., Ferrara F., Maccarini F., Margottini C., Spizzichino. *Landslide hazard assessment, stability analysis modelling and mitigation measures applied to the archaeological area the ancient stabiae (gulf of Naples, italy)*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007
138. Delmonaco G., De Donatis M., Margottini C., Moia F., Spizzichino D. *Integrated geological, geomorphological and geotechnical approaches in long-term monitoring of the large Craco Landslide (Southern Italy)*. European Geosciences Union 2007 General Assembly, Vienna Austria, 15-20 April 2007 - Geophysical Research Abstracts, Vol. 9, 06606, 2007 SRef-ID: 1607-7962/gra/EGU2007-A-06606
139. Abbattista F., D'agostino G., Delmonaco G., Di Filippo L., Falconi L., Leoni. G., Margottini C., Puglisi C., Romano P., Spizzichino D., *Assessment of landslide susceptibility: application to rapid flows at Cervinara (Southern Italy)*. *Geologia Tecnica & Ambientale (journal of technical & environmental geology)* N.1, Gennaio/Marzo 2005, pp. 25-40.
140. CORRADO M., SPIZZICHINO D.: *Il Progetto VIP*, in "CIVITAS", anno VI, numero 2, Luglio 2005, pag. 25;
141. CORRADO M., SPIZZICHINO D., *Linee guida per la salvaguardia dei Beni Culturali*, in "CIVITAS", anno VI, numero 3, Novembre 2005, pag. 26.
142. Delmonaco G., Falconi L., Margottini C., Martini G., Paolini S., Spizzichino D., Todisco L., Trocciola A. *Dissesto Idrogeologico e Strategie di Mitigazione per i Beni Culturali: il caso studio delle Ville Romane dell'antica Stabia*; Risorse e Rischi Geoambientali nella Pianificazione territoriale, Ordine dei Geologi della Campania Comitato Consultivo Provinciale di Benevento 20 – 21 maggio 2005
143. Delmonaco G., Falconi L., Margottini C., Spizzichino D. (2005). *Landslide hazard, archaeological heritage and mitigation measures: the case study of the ancient Stabiae (Italy)*. Proc. Int. Symp. on Landslide Risk Mitigation and Protection of Cultural and Natural Heritage, Kyoto, 15-16 Jan. 2005
144. Delmonaco G., Margottini C., Spizzichino D. (2005). *Slope-structure stability modelling for the rock hewn church of Bet Aba Libanos in Lalibela (Ethiopia): preliminary results*. Proc. Int. Symp. on ICLGA, Washington DC. Springer Verlag, pp. 213-218.
145. Delmonaco G., Falconi L., Leoni G., Margottini C., Puglisi C., Spizzichino D. (2005). *Multi-temporal and quantitative geomorphological analysis on the large landslide of Craco village*. Proc. Int. Symp. on ICLGA, Washington DC. Springer Verlag, pp. 113-118
146. Delmonaco G., Falconi L., Margottini C., Spizzichino D & Trocciola A., *Recuperare con la VIP. La valutazione d'Impatto del Paesaggio applicata al recupero di un insediamento archeologico degradato a seguito di interventi invasivi effettuati per il consolidamento da dissesto idrogeologico: collina di Varano – Castellammare di Stabia*. Bollettino trimestrale Ordine dei Geologi della Campania. N.1 Gennaio – Marzo 2004.
147. Casagli N., Delmonaco G., Falconi L., Margottini C., Moia F., Puglisi C. & Spizzichino D "an integrated monitoring system for the analysis of slope deformations acting on cavon grande landslide in civita di bagnoregio (italy)" - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
148. Delmonaco G., Falconi L., Margottini C., Puglisi C. & Spizzichino D. "geomechanical instability and conservation problems in the rupestrial church of ss. salvatore in vallerano (central italy)" - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
149. Delmonaco G., Falconi L., Margottini C., Puglisi C. & Spizzichino D. "A novel procedure for exposure and vulnerability of cultural heritage at landslide risk: application to the historical inca sanctuary of machu picchu - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004

150. Delmonaco G., Corrado M., Falconi L., Leoni G., Margottini C., Martini G., Paolini S., Puglisi C., & Spizzichino D. "Landslide risk evaluation of craco village (italy): an integrated approach for the preservation of minor historical sites" - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
151. Cavallaro M., D'agostino G., Delmonaco G., Dramis F., Falconi L., Leoni G., Margottini, Mazza G., Puglisi C., Romano P., Spizzichino D. "Methodology for intensity and hazard assessment of superficial landslides: application in the iafra creek basin (cervinara - campania region, italy)" - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
152. Delmonaco G., Falconi L., Leoni G., Margottini C., Martini G., Paolini S., Puglisi C. & Spizzichino D. "Reconstruction of geological dynamics acting on the archeological site of piazza armerina (sicily): a geomorphological and hydraulic combined approach" - 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
153. Delmonaco G., Falconi L., Margottini C., Spizzichino D. *Landslide risk assessment of the archaeological site of Varano Hill, Castellammare di Stabia (Italy)*. 32nd INTERNATIONAL GEOLOGIC CONGRESS Florence – Italy August 20-28, 2004.
154. Delmonaco G., Falconi L., Margottini C., Spizzichino D. *Landslide assessment and risk mitigation of the archaeological site of Varano Hill, Castellammare di Stabia (Italy): A GIS and geotechnical combined approach*. IX International Symposium on Landslides, 28 June – 2 July, 2004 Rio de Janeiro (Brazil)
155. Delmonaco G., Falconi L., Margottini C., Martini G., Paolini S., Puglisi C., Spizzichino D. *Landslide assesment and risk mitigation for the archeological site of Piazza Armerina (Sicily): A Geomorphological and hydraulic combined approach through a GIS analysis*. IX International Symposium on Landslides, 28 June – 2 July, 2004 Rio de Janeiro (Brazil)
156. Delmonaco G., Falconi L., Margottini C., Puglisi C., Spizzichino D. *A project of stabilisation for the mitigation of Cavon Grande Landslide in Civita di Bagnoregio (Italy)*. IX International Symposium on Landslides, 28 June – 2 July, 2004 Rio de Janeiro (Brazil)
157. Delmonaco G., Falconi L., Margottini C., Puglisi C., Spizzichino D. *A geomorphological and geotechnical approach for the risk assessment of Craco village using GIS*. IX International Symposium on Landslides, 28 June – 2 July, 2004 Rio de Janeiro (Brazil)
158. Spizzichino D. *Sistema di supporto per la mitigazione del dissesto idrogeologico in centri storici e aree archeologiche*. Geoesplora Workshop 2004, 6ª Conferenza MondoGis Roma 26-27 maggio 2004
159. Delmonaco G., Leoni G., Margottini C., Puglisi C., & Spizzichino D., *Large scale debris-flow hazard assessment: a geotechnical approach and GIS modelling*. Natural hazards and Earth System Sciences (2003) 3: 1-13.
160. Delmonaco G., Margottini C., Spizzichino D. & Spizzichino L., "Applicazione di modelli probabilistici e metodologie gis alla valutazione della pericolosità da colate di detrito nel bacino del fiume Vezza (Toscana, Italia)" S.Co.2003, Modelli Complessi e Metodi Computazionali Intensivi per la stima e la previsione. Treviso 4-6 settembre 2003.
161. Delmonaco G., Leoni G., Margottini C., Puglisi C., Spizzichino D. *Large scale debris flow hazard assessment: a geotechnical approach and gis modelling*. European Geophysical Society XXVII General Assembly, Nice France, 21-26 April 2002.
162. Delmonaco G., Falconi L., Margottini C., Spizzichino D. (2002). *Preservation of Cultural Heritage against Natural Catastrophes: Development of Guidelines in a Pilot Project of the Italian Minister for Scientific Research (UNESCO/IGCP 425, sub-project n. 23)*. Proc. Int. Symp. on Landslide Risk Mitigation and Protection of Cultural and Natural Heritage, 21-25 Jan. 2002, Kyoto, Japan, pp. 307-328
163. Delmonaco G., Leoni G., Margottini C., Puglisi C., Spizzichino D. & Spizzichino L., *A statistical approach applied to debris - flow susceptibility in the Vezza Basin (Tuscany,Italy)*. RSS 2001 Spatial Modelling Conference, University of Glasgow 3-6 July 2001
164. Puglisi C., Abbattista F., Bevilacqua A., Codebo' L., D'agostino G., Delmonaco G., Falconi L., Foraci R., Gallo G., Grossi A., Leoni G., Martini G., Margottini C., Menditto D., Nisi M., Paolini S., Ruisi M., Screpanti A., Serafini S., Spizzichino D. & Verrubbi V. *Valutazione della suscettibilità da frana: uno strumento per la pianificazione territoriale a scala locale*. GeolItalia 2001. 3° Forum Italiano di Scienze della Terra. Chieti 5-8 settembre 2001.
165. Delmonaco G., Falconi L., Margottini C., Spizzichino D. (2001). *Development of guideline for the preservation of Italian cultural heritages against natural catastrophes: a pilot project of the Italian Minister for Scientific Research, (UNESCO/IGCP sub project n. 23)*. International Symposium on Landslides. Tokyo 2001

**Certifications:**

I the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Signature

Date  
November 2019