Gabriele Amato

	h-index	citations	
Google Scholar	**5**	115	
ResearchGate	**5**	129	RG Score 12.84
Scopus	**5**	92	ID 55556460800

EDUCATION

November 2014 – November 2017

PhD in Earth Sciences

Roma Tre University, Rome (Italy)

Role - For my project "**Terrestrial and Satellite Monitoring** to identify the link between the effects of temporal variations of triggering factors and changes in **deep landslide activity rates**", I worked in **3 study areas**, affected by deep landslides: the first study case is located in an **Alpine periglacial environment** (South Tyrol, Italy); the second is located in the central Apennines, in a **high seismicity context** of carbonate succession; the third is in the **province of Rome**, in an area of siliciclastic formations wide outcropping. In these sites I performed:

- **Planning of monitoring networks** in landslide areas;
- Interpretation of **geophysical, remote sensing** and geotechnical **data** (satellite **InSAR**, piezometers, GPS, inclinometers, extensimeters on damaged structures, borehole stratigraphies, MASW, rain gauges), drafting of geological maps **in GIS** and **geological sections**;
- **Quantification of the average** annual and seasonal **ground movement**;
- **Statistical analysis of time series** of predisposing factors (e.g. rain, earthquakes, temperature variations) in order to identify potential thresholds for landslides activation.

Supervisors Prof. G. Fubelli (University of Turin) & Dr. Christian Iasio (BRGM - French geological survey).
Activity or sector Landslides Monitoring
Scientific results Publication of Scientific Paper: **P.3.** and **P.2.** Presentation at conferences of: **Ai.9., Ai.8., Ai.6.** (See REFERENCES section of this CV).

December 2014[h]

Professional qualification as Geologist

Roma Tre University, Rome (Italy)

2011 - 2014

M.Sc. in Geology

Roma Tre University, Rome (Italy)

Thesis: "**Analysis of mass movements and their evolution: the case of an integrated monitoring in Val Senales (South Tyrol)**"

Supervisors Prof. Giandomenico Fubelli (University of Turin) & Dr. Christian Iasio (BRGM).

September 2012 – February 2013

"Erasmus" – abroad study period

Universidad de Barcelona, Barcelona (Spain)

6 exams given (in English or in Spanish): Landslides and avalanches Risk; Geophysical Data Analysis; Surface Geophysics; Ground Monitoring Methods; Geotechnics and boreholes; Seminar on Natural Hazards.

2007 - 2011

B.Sc. in Geological Sciences

Roma Tre University, Rome (Italy)

Lab thesis: "Reconstruction of the course of the Paleo-Farfa river through photo-interpretation and **GIS**".

Field thesis: "Geological map of Torricella in Sabina municipality (Lazio region, Central Italy)".

Supervisors Prof. D. Cosentino (Roma Tre University) and Prof. G. Fubelli (University of Turin).

WORK EXPERIENCE

May 2021 – To present

Post-Doc Research Fellowship in **Engineering Geology**

Sapienza University – Department of Earth Science, Rome (Italy)

Research activity in the development of innovative systems of Data Mining and Big Data management for scientific and didactical purposes in the field of Engineering Geology and Natural Hazards assessment.
The fellowship is under the scientific responsibility of Prof. Salvatore Martino.
Activity or sector Data Mining and Cloud Service
Scientific results Publication of **P.6.** (See REFERENCES section of this CV).

May 2018 – April 2021

Post-Doc Research Fellowship in **Remote Sensing**

National Research Council (CNR) - Institute of Applied Physics "Nello Carrara" (IFAC), Sesto Fiorentino (Florence, Italy)

Research activity in the field of **Geospatial Modelling through Machine Learning** algorithms for Natural Hazard assessment.
Research activity in the SISSI project in the field of **classification** and **simulation** of **satellite images**, and geological characterization of high temperature phenomena occurring on the Earth surface. The research was funded by the Italian Space Agency (ASI).
Research activity in the HYPER-CONTROL project - "Innovative methods for processing hyperspectral remote sensing data for land management" – in the field of **automatic mapping and retrieval of environmental features** from **Satellite-2** and **Hyperion** images.

The fellowship was under the scientific responsibility of Dr. Valentina Raimondi (IFAC-CNR).

Activity or sector **Remote Sensing**
Scientific results Publication of: **Pp.1.**, **P.4.** and **P.5.** Presentation at conferences of: **Ai.10., Ai.11., Ai.12.** and **Ai.13** (See REFERENCES section of this CV).

July 2014 – September 2014

Postgraduate Research Fellowship in **Geomorphology**

Department of Science - University of Roma Tre, Rome (Italy)

Role - Research activities on "Morpho-evolution of tectonically active areas in relation to climatic changes" aimed at identifying the geomorphological processes that have characterized the evolution of seismically active, intermountain basins, in relation to climate changes, from the Pliocene-Pleistocene. The activities included **geomorphological survey** and rock sampling in Central Italy and southern Spain, synthesis and processing of data collected on **GIS platform.**

The fellowship was under the scientific supervision of Prof. Giandomenico Fubelli (University of Turin).
Activity or sector Field survey and GIS
Scientific results Publication **P.1.** and presentation at conferences of: **Ai.4.** and **An.2**. (See REFERENCES).

February 5th, 2012 - May 5th, 2012

Geology Consultant

Department of Geological Sciences - University of Roma Tre, Rome (Italy)

Role - Geology Consultant with tasks of "**Landslides inventory** in the Gerano, Pisoniano and Rocca Santo Stefano municipalities (Rome Province, Italy) and data editing on **GIS platform**". The activity included geological field survey, landslides inventory and characterization, production of geomorphological and thematic maps.

The activity aimed at evaluate the **landslide hazard** and to support the implementation of structural **remedial works in urban areas** and along provincial roads.

The activity was under the supervision of Prof. Massimo Mattei. Contact Prof. Giandomenico Fubelli (University of Turin) for info.

Activity or sector Landslide hazard
Scientific results Production of Technical Reports: **Rt.1.** and **Rt.2.** (See REFERENCES section of this CV).

July 2011 - August 2011

Geology Consultant

Department of Geological Sciences - University of Roma Tre, Rome (Italy)
Role - Geology Consultant in the framework of the scientific collaboration "**Relation between faults and geomorphological features**" between the Department of Geological Sciences of Roma Tre University and the Forest CMI company. Contact Prof. Massimo Mattei (Roma Tre Univ.) for further info.
My activities included geomorphological survey and landslides inventory, **production of a landslide map on GIS platform**.

Activity or sector **Natural hazard**

July 2011

Geology Consultant

Geoambiente company

Role – For the realization of the **Seismic Microzonation** of San Vito Romano municipality (Central Italy), I performed the inventory of landslides triggered by the heavy rainfall of March 2011 and the production of the **geological and geomorphological maps** of San Vito Romano on **GIS platform**.

Contact Prof. Giandomenico Fubelli (University of Turin) for info.

Activity or sector **Natural hazard**

PARTICIPATION IN RESEARCH PROJECTS

2021, one month

Scientific collaboration in the **Horizon 2020** research project "SURPRISE"

CNR - IFAC, Sesto Fiorentino (Florence, Italy)

Research activity in the SURPRISE project – SUper-Resolved comPRessive InStrument in the visible and medium **infrared for Earth observation applications**. The project is coordinated by CNR IFAC.

Activity or sector **Remote Sensing**

2020, one month

Scientific collaboration in the research project "OT4CLIMA"

CNR - IFAC, Sesto Fiorentino (Florence, Italy)

Research activity in the OT4CLIMA project - Development of innovative Earth Observation technologies for the study of Climate Change and its Impacts on the Environment and Territory – in the field of **soil moisture estimation from remote sensing optical imagery**.

Activity or sector **Remote Sensing**

September 2016 - November 2016

Internship within the research project "Land@Slide"

GRID-IT mbH, **Innsbruck** (**Austria**)

Role – Within the project, whose objective was the development of semiautomatic procedures to map landslides through Object-Based Image Analysis (OBIA) from Earth Observation data, I performed the following activities:

- geological and geomorphological **interpretation of multispectral satellite images**;
- conceptualization and development of **semi-automatic workflows for mapping of landslides** from multispectral satellite images and **digital terrain models**;
- Implementation of semi-automated workflows in InterIMAGE (an **open source program for OBIA analysis**);

The activity was carried out under the scientific supervision of Dr. Clemens Eisank (GRID-IT mbH).

Activity or sector **Remote sensing**

Scientific results Presentation at conferences of: **Ai.7**. (See REFERENCES section of this CV).

October 2015 - December 2015

Internship within the research project SE.MAP

GRID-IT mbH, **Innsbruck** (**Austria**)

Role - The project aim was the **multi-temporal analysis of gravitational and cryogenic processes** in the Alpine environment from **digital terrain models and satellite imagery** at very high resolution. My activities were:

- processing of **multispectral satellite imagery** in ERDAS IMAGINE and IMAGINE Objective;
- **geological and geomorphological interpretation** of Multispectral satellite imagery;
- conceptualization and development of **semi-automatic workflows for the extraction of geomorphological classes** from multispectral satellite images and digital terrain models;
- implementation of semiautomatic workflow in IMAGINE Objective;
- written and oral **presentation of the results**.

The activity was carried out under the scientific supervision of Dr. Clemens Eisank (GRID-IT mbH).

Activity or sector **Remote sensing**

July 2013 - October 2013

Internship within the **EU INTERREG research project** SloMove

EURAC Research, Bolzano (Italy)

Role - The project focused on the **monitoring of Alpine slope processes** using **satellite radar**, **GPS** systems and terrestrial laser scanner. My activities were:

- **geomorphological survey** of the study area in Val Senales, South Tyrol;
- **GPS monitoring** surveys and **interpretation of collected data**.

The activity was carried out under the scientific supervision of Dr. Giulia Chinellato (Acciona Ghella Joint Venture - AGJV). Contact Stefan Schneiderbauer (EUARC) for info.

Activity or sector Environmental monitoring

Scientific results Presentation at conferences of: **Ai.2.** (See REFERENCES section of this CV).

REFERENCES

Publications in international journals

P.6. Amato, G., Palombi, L., & Raimondi, V. (**2021**). **Data–driven classification of landslide types** at a national scale by using **Artificial Neural Networks**. International Journal of Applied Earth Observation and Geoinformation, 104, 102549. https://doi.org/10.1016/j.jag.2021.102549
journal I.F.: **5.993** - Citations: Scopus=**3**

P.5. Schillaci, et al. (**2021**). New pedotransfer approaches to predict soil bulk density using WoSIS soil data and environmental covariates in Mediterranean agro-ecosystems. Science of The Total Environment, 146609. https://doi.org/10.1016/j.scitotenv.2021.146609
journal I.F.: **7.963** - Citations: Scopus=**5**

P.4. Amato, G., Eisank, C., Castro-Camilo, D., & Lombardo, L. (**2019**). *Accounting for covariate distributions in slope-unit-based **landslide susceptibility models**. A case study in the alpine environment*. Engineering geology, 260, 105237.
journal I.F.: **6.755** - Citations: Scopus=**28**

P.3. Amato, G., Devoti, R., Fubelli, G., Aringoli, D., Bignami, C., Galvani, A., Moro, M., Polcari, M., Saroli, M., Sepe, V., Stramondo. S. (**2018**). *Step-like displacements of a deep-seated gravitational **slope deformation** observed during the 2016–2017 **seismic events** in Central Italy*. Engineering Geology, 246, pp. 337-348.
journal I.F.: **6.755** - Citations: Scopus=**8**

P.2. Lombardo, L., Fubelli, G., **Amato**, G., & Bonasera, M. (**2016**). *Presence-only approach to assess **landslide** triggering-thickness **susceptibility**: a test for the Mili catchment (north-eastern Sicily, Italy)*. Natural Hazards, 84(1), 565-588.
journal I.F. **3.102** - Citations: Scopus=**34**

P.1. Fubelli, G., Della Seta, M., **Amato**, G. (**2014**). *Drainage system adjustment in response to the opening of the Rieti intermontane basin (Central Italy): **geostatistical** reconstruction of the PaleoFarfa River alluvial plain*. Rendiconti Lincei, 25(2), 167-176.
journal I.F.: **1.627** - Citations: Scopus=**13**

Technical Reports

Rt.1. Fubelli G., **Amato** G. (**2012**) – Study on slope instabilities along the municipality roads occurred after the flooding events of 15, 16 and 17 March 2011, in the framework of the scientific collaboration between the Province of Rome and the Department of Geological Sciences of University of Roma Tre. Final Report, May 10, 2012, 235 pp.

Rt.2. Fubelli G., **Amato** G. (**2011**) – Study on slope instabilities along the municipality roads occurred after the flooding events of 15, 16 and 17 March 2011, in the framework of the scientific collaboration between the Province of Rome and the Department of Geological Sciences of University of Roma Tre. Preliminary Report, December 10, 2011, 152 pp.

Presentations at **international conferences**

Ai.14. Lastri et al. (**2021**). *SISSI Project: A Feasibility Study for a Super Resolved Compressive Sensing Multispectral Imager in the Medium Infrared*. Engineering Proceedings, 8(1), 28. *https://doi.org/10.3390/engproc2021008028*

Ai.13. Raimondi et al. (**2021**). *Spatial light modulator-based architecture to implement a super-resolved compressive instrument for earth observation*. At The IEEE International Geoscience and Remote Sensing Symposium IGARSS-21, 11 Jul - 16 Jul 2021, Brussels, Belgium. https://doi.org/10.1109/IGARSS47720.2021.9554343

Ai.12. Raimondi et al. (**2021**). *A feasibility study for a compressive sensing imager in the medium infrared for hotspot detection*. International Conference on Space Optics — ICSO 2020, Proc. of SPIE Vol. 11852, doi: 10.1117/12.2599938

Ai.11. Cigala et al. (**2020**) - *#SciComm via the European Geoscience Union Divisions' blogs: experiences from the editorial teams*. In EGU General Assembly Online 2020. https://doi.org/10.5194/egusphere-egu2020-10775.

Ai.10. Nardino, V., **Amato**, G., Guzzi, D., Lastri, C., & Raimondi, V. (**2019**). *Experimental Tests on TIR Multispectral Images for Temperature-Emissivity Separation by Using the MaxEnTES Algorithm*. In Multidisciplinary Digital Publishing Institute Proceedings (Vol. 27, No. 1, p. 10). https://doi.org/10.3390/proceedings2019027010

Ai.9. Amato G., Fubelli G., Pezzo G., Iasio C. (**2017**) – ***Integrated monitoring** system of the San Vito Romano **rockslide** (Central Italy)*. In EGU General Assembly Conference Abstracts, 19, 15612.

Ai.8. Amato G., Aringoli D., Devoti R., Fubelli G., Galvani A., Pambianchi G., Sepe V. (**2017**) – *Reactivation of a Deep-Seated Gravitational **Slope Deformation** observed during the recent **seismic events** in Central Italy*. In EGU General Assembly Conference Abstracts, 19, 15079.

Ai.7. Amato G., Eisank C., Albrecht F. (**2017**) - *A simple and unsupervised semi-automatic workflow to detect **shallow landslides** in Alpine areas based on VHR **remote sensing** data*. In EGU General Assembly Conference Abstracts, 19, 942.

Ai.6. Amato G., Fubelli G., Iasio C., & Schneiderbauer S. (**2016**). *Multidisciplinary approach to evaluate connection between permafrost degradation and deep-seated gravitational **slope deformation** activity: a case study from Schnalstal (South Tyrolean Alps, Italy)*. In Ortner, H. [Ed.] (2016): Abstract Volume of GeoTirol2016 - Annual Meeting of DGGV and PANGEO Austria, 25-28. September 2016, Innsbruck.

Ai.5. Amato G., Fubelli G. (**2015**). *Monitoring Systems to Evaluate **Rainfall Threshold** Triggering Mid-Deep Slow **Landslides***. In Gradualism vs catastrophism in landscape evolution. International Association of Geomorphologists (IAG) Regional conference. July 2-4, 2015. Barnaul, Russia. Compiled by G. Baryshnikov and A. Panin. Barnaul: ASU Publ., 2015. 213.

Ai.4. Amato G., Fubelli G., Della Seta M., Troiani F. (**2015**). ***Geospatial*** *Reconstruction of Ancient Drainage Basins in* ***Uplifting Areas****: The Case of the Velino River (Central Italy)*. In Gradualism vs catastrophism in landscape evolution. International Association of Geomorphologists (IAG) Regional conference. July 2-4, 2015. Barnaul, Russia. Compiled by G. Baryshnikov and A. Panin. Barnaul: ASU Publ., 2015. 213.

Ai.3. Lombardo L., Fubelli G., **Amato** G., Bonasera M., Hochschild V., Rotigliano E. (**2015**). *Presence-only approach to assess* ***landslide*** *triggering-thickness* ***susceptibility****. A test for the Mili catchment (North-Eastern Sicily, Italy)*. In EGU G.A. 2015. Geophysical Research Abstracts, Vol. 17, EGU2015-3979, 2015

Ai.2. Amato G., Fubelli G., Piccin G., Chinellato G., Iasio C., Mosna D., & Morelli C. (**2015**). *Geomorphological survey and remote sensing analysis: a multidisciplinary approach to reconstruct triggering factors of a DSGSD in Maso Corto (South Tyrol, Italy)*. In EGU G.A. 2015. Geophysical Research Abstracts, Vol. 17, EGU2015-6473, 2015

Ai.1. Fubelli G., Della Seta M., **Amato** G. (**2012**). *Geospatial reconstruction of the paleo Farfa River catchment in the Tyrrhenian drainage system (Central Italy)*. Rendiconti Online Società Geologica Italiana, 21 (PART 2): 1237–1238.

Presentation at **national conferences**

An.3. **Amato** G., Lombardo L., Eisank C. (**2019**) - Accounting for covariate distributions in slope-unit-based landslide susceptibility models. A case study in the alpine environment. Presented at VIII Italian Young Geomorphologists' Days, 26th-28th June, 2019, Milan)

An.2. Fubelli G., **Amato** G., Della Seta M. (**2015**) – Evidence of fault inactivity: a multidisciplinary approach integrating Geomorphology, Stratigraphy and Palaeontology. In: miscellanea INGV, AIQUA congress 2015 "The Plio-pleistocene continental record in Italy: highlights on stratigraphy and neotectonics", Torino, Italy February 24-26, 2015. Abstracts Volume. ISSN 2039-6651

An.1. Fubelli G., **Amato** G. (**2011**). GIS modelling of the Gelasian Farfa River catchment (Rieti, Central Italy). In Geoitalia 2011, VIII Forum Italiano di Scienze della Terra, Torino, 19-23 September 2011. Epitome, Volume 4, 2011, 76. ISSN: 1972-1552.

Chapter in books

C.3. Amato G., Della Seta M., Esposito C., Falcucci E., Fubelli G., Gori S., Moro M., Saroli M. (**2012**). *The Apennines orogenic system*. In: AIGEO, 16th Joint Geomorphological Meeting "Morphoevolution of tectonically active belts", Rome, July 1-5, 2012. Field Trip Guidebook, 9-17. ISBN: 978-88-548-4916-7.

C.2. Fubelli G., Della Seta M., **Amato** G. (**2012**). *Fara in Sabina Mts.* In: AIGEO, 16th Joint Geomorphological Meeting "Morphoevolution of tectonically active belts", Rome, July 1-5, 2012. Field Trip Guidebook, 19-21. ISBN: 978-88-548-4916-7.

C.1. Fubelli G., Della Seta M., **Amato** G. (**2012**). *Rieti basin*. In: AIGEO, 16th Joint Geomorphological Meeting "Morphoevolution of tectonically active belts", Rome, July 1-5, 2012. Field Trip Guidebook, 23-24. ISBN: 978-88-548-4916-7.

Preprints

Pp.1. Amato, G., Fiorucci, M., Martino, S., Lombardo, L., & Palombi, L. (**2021**). Earthquake-triggered landslide susceptibility in Italy by means of Artificial Neural Network. https://doi.org/10.31223/X59W39

THIRD-PARTY FUNDS

October 2021

"Avvio alla ricerca" call for funds for scientific research

Role – Project team member.

Project – *Artificial Neural Network approaches for data analysis from multi-parametric monitoring systems applied to landslide risk mitigation*.

Contact Prof. Salvatore Martino (Sapienza University, Italy) for references

Amount – 2000 euros
Funding institution Sapienza University (Rome, Italy)

January 2020

EGU Funds for Training schools

Role – Among the main organizers of the course and the main writers of the application proposal.

Project – *3rd IAG-EGU Intensive Course on "Geomorphology of Natural Hazards in Mediterranean Areas: from Field Survey to Risk Assessment"*.

Contact Prof. Mauro Soldati (UNIMORE, Italy) and Dr. Mihai Micu (Romanian Academy – Institute of Geography, Romania) for references

Amount – 6000 euros

Funding institution European Geosciences Union (EGU)

TRAINING COURSES

Abroad

May 19-21st, 2017 — **11th International Young Geomorphologists' Workshop 2017**
Workshop in geomorphology held in Ammersee (**Germany**) organized by Jungen Geomorphologen.

December 5-8th, 2016 — **B.S.G. Postgraduate Training Workshop**
Organized by the **British Society for Geomorphology**
Training in project management, group work, dealing with large data sets, fieldwork, lab and numerical modelling, gaining funding, publication and career development. Held at the Cumberland Lodge in Windsor (United Kingdom).
Certificate released by Prof. Tom Coulthard (University of Hull, UK)

14-25th September, 2015 — **International School on Landslide Risk Assessment and Mitigation**
Held at State Key Laboratory on Geohazards Prevention (SKLGP), Chengdu (**China**).
Course for PhD students about assessing, forecasting and mitigating landslide risk over large areas using the most advanced theories and methodologies in the fields of geotechnical engineering, geomechanics, geology, mathematical modelling, monitoring, GIS techniques.
Certificate released by Prof. Leonardo Cascini (University of Salerno) and Prof. Huang Runqiu (SKLGP)

5-11th July, 2015 — **Intensive Course for Young Geomorphologists**
IAG / AIG (International Association of Geomorphology)
Integrated into the field trip "Russian Altai in the Late Pleistocene and the Holocene: geomorphological catastrophes and landscape rebound" held in the Altai Region during the IAG/AIG Reg. Conference 2015 (Russia).
Professors P. Borodavko (Tomsk State University), P. Carling (Southampton University), J. Herget (Bonn University)

14-18th February, 2011 — **Intensive Course on Landslide Mapping**
IAG / AIG (International Association of Geomorphology)
Training course for young researchers held in Dessie (Ethiopia) during the IAG Regional Conference 2011.
Professors Prof. G. Fubelli (University of Turin) and Dr. Jan Moeyersons (Royal Museum for Central Africa)

In Italy

26/08/2019 – 30/08/2019 — **1st International Statistical analysis of spatial data in agro-environmental research summer school**
Organized by Lake Como School of Advanced Studies
Topics Advanced literature search and analysis (e.g., meta-analysis), techniques for estimation and visualization of data at territorial scale (e.g., spatial mixed models, random forest, regression boosted trees), methods for covariate acquisition and selection.
Certificate released by Prof. Marco Acutis (University of Milan) and Prof. Michael Märker (University of Pavia)

February 2016 - May 2016 — **Landslides and slope stability**
University of Roma Tre, Rome
The course provided skills on planning investigations in landslide areas, identifying failure mechanism and performing stability tests, **slope monitoring**, structural remedial.
Professor Dr. Massimo Pietrantoni (Integra Group)

March 18th, 2015 — **Inclinometric measures, Data Processing, Data Logger Software**
SISGEO company, Milan
Theoretical and practical training course on **inclinometric measures** and data processing through INCLI 2

February 11th and June 19-20th, 2014 — **The Geologist in Civil Protection activities – level I and II**
University of Roma Tre, Rome
Training Course given by the Italian National Council of Geologists and the Italian Civil Protection Department about: civil protection system, emergency planning, seismic microzonation studies, risk assessment

TEACHING ACTIVITY

November 2021 – to March 2022 — **Master thesis supervisor**
Sapienza Univ. Earth Science Dept., Rome (Italy)
Role Co-Supervisor of the Master thesis on the interaction between landslide movements and damages on human buildings in the Province of Rome (Italy).

June 2021 – December 20th, 2021
Master thesis supervisor
Sapienza Univ. Earth Science Dept., Rome (Italy)

Role Co-Supervisor of the Master thesis in engineering geology entitled "Modello geologico-tecnico dell'impianto di captazione delle Sorgenti di "Le Capore" - Frasso Sabino (RI) e ipotesi di instabilità Gravitative" (*Geological model of a water capture system in Frasso Sabino and hypothesis of slope instability*).

December 2020 – April, 2021
Internship supervision
CNR-IFAC, Florence (Italy)

Role In the framework of a research project, I leaded the activities of an intern concerning elaborations of vectorial and raster files in QGIS and ENVI. Contact Dr. Valentina Raimondi for info.

January 11th, 2016 – May 23rd, 2016
Master students Tutoring
Department of Science - University of Roma Tre, Rome (Italy)

Role In the framework of the Master of Science in Geology, I leaded field activities for master students in seismically active areas such as L'Aquila basin in Central Italy. Contact Prof. Domenico Cosentino for info.

January 15th, 2015 – June 6th, 2015
Master students Tutoring
Department of Science - University of Roma Tre, Rome (Italy)

Role In the framework of the Master of Science in Geology, I leaded field activities for master students in seismically active areas such as L'Aquila basin in Central Italy. Contact Prof. Domenico Cosentino for info

December 17th, 2014
Bachelor thesis supervisor
Department of Science - University of Roma Tre, Rome (Italy)

Role Supervisor of the bachelor thesis of Mauro Bonasera in shallow landslides susceptibility entitled "Caratterizzazione geomorfologica del bacino del Torrente Mili (ME) finalizzata alla valutazione della suscettibilità da frane a rapida evoluzione" (*Geomorphological characterization of the basin of Torrente Mili (ME) aimed at assessing the susceptibility to rapidly evolving landslides*). Contact Prof. G. Fubelli (Torino University) for reference.

December 17th, 2014
Seminar "Landslide type classification through photo-interpretation"
Department of Science - University of Roma Tre, Rome (Italy)

Role Seminar for Bachelor students in Geological Sciences. Contact Prof. Elsa Gliozzi for info.

December 5th, 2014
Seminar "Photo-interpretation of morphostructures in tectonically active areas"
Department of Science - University of Roma Tre, Rome (Italy)

Role Seminar for Bachelor students in Geological Sciences. Contact Prof. Elsa Gliozzi for info.

PERSONAL SKILLS

Native language: Italian

	LISTENING	SPOKEN	WRITING	
ENGLISH	B2	B2	B2	*Certificate Issued By EF (Education First) in 2005*
SPANISH	B2	B2	B2	*Certificate Issued By Estudios Hispánicos (Universidad De Barcelona) in 2012*
FRENCH	A1	A1	A1	

Professional skills

- **GIS,** acquired through work experiences, research and studies
- **Geological and Geomorphological survey and mapping** acquired through field campaigns, work experience, Ph.D.
- **Interpretation of satellite images and aerial photos** acquired through participation in various research projects
- **Pixel- and Object- Based Image Analysis (OBIA)** acquired through international work experiences, research projects and Ph.D.
- Principles of **SAR interferometry and differential GPS** obtained during work experiences
- Skills in interpretation **of subsurface geophysics, extensimeters, piezometers, inclinometers, and borehole investigations** as well as presentation of obtained data
- **Ability to work autonomously and in team** acquired during work experiences and Ph.D.
- **Teaching skills** acquired tutoring master students, presenting seminars for bachelor students and giving private lessons for high school students

Communication skills	▪ Teamwork attitude ▪ Constructive and motivational attitude ▪ Presentation of results and report ▪ Predisposition to work in international contexts Skills acquired through work experiences, Ph.D., during international conferences and field campaigns.
Digital skills	▪ Good knowledge of Windows, Microsoft Office, **ArcGIS**, **QGIS**, INCLI2, InterIMAGE, **ENVI,** SagaGis; Basic knowledge of **Matlab**, **ERDAS** Imagine 2015, Rstudio, **Snap, IDL,** LaTeX.
Organizational and management skills	▪ Ability in planning work at short, medium and long term, **respecting project deadlines** ▪ Sense of responsibility ▪ Predisposition to international and **interdisciplinary collaboration** ▪ Willingness to travel ▪ Problem solving Work experiences, PhD, Erasmus and field works allowed me to acquire these skills.
Driver's license	International driving license

HONORS & AWARDS

April 2022	**Co-convener** of the EGU GA 2022 short course "*SC5.17 Modelling approaches for temperature-dependent processes in landslides*".
2021 - present	Handling **editor** for *Landslides* Journal.
2019 - present	**Reviewer** for *Landslides* and *Stochastic Environmental Research and Risk Assessment (SERRA)* journals
2018 - present	**Author** for the European Geosciences Union (EGU) - **Natural Hazards Division blog**
April 26th, 2021	**Co-convener** of short course "*Parametric delineation of geomorphological slope units with r.slopeunits in GRASS GIS*" held at vEGU21 (https://meetingorganizer.copernicus.org/EGU21/session/38902).
April 14th, 2017	**Grant AIGeo** (Italian Association of Physical Geography and Geomorphology) to support the participation at the "11th International Young Geomorphologists' Workshop" - 2017
Nov. 19th, 2016	**Grant IAG / AIG** (International Association of Geomorphology) to support the participation at the "BSG Post-Graduate Training Workshop 2016
April 8th, 2015	**Grant AIGeo** (Italian Association of Physical Geography and Geomorphology) to support the participation at the "IAG Regional Conference 2015
May 26th, 2014	**"Erasmus Prize 2012/2013"** issued by University of Roma Tre for the academic results obtained during the Erasmus study period at Barcelona University

I certify that the information contained in this Curriculum Vitae correspond to truth, in accordance with the Italian law (445/2000 DPR).