CURRICULUM VITAE

Name: Matteo Picozzi

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Degree in Geological Science (110/110, Summa cum Laude), at the University of Siena, Italy (1995-2001).

Ph.D. in Earth Science, at the University of Siena, Italy (2001-2005).

A. Employment history and main positions held

12/2020 - Present	Associate Professor at the Physics Department of the University of Naples Federico II, Italy
12/2017 – 12/2020	Researcher (RTD-B) at the Physics Department of the University of Naples Federico II, Italy
03/2013 – 12/2017	Researcher (RTD-A) at the Physics Department of the University of Naples Federico II, Italy
02/2012 – 02/2013	Geophysicist at the Magma Energy Italia S.R.L., subsidiary of Alterra Power Corp. (http://www.alterrapower.ca)
09/2007 – 12/2011	Post-doc position at the Helmholtz-Zentrum Potsdam - Deutsches GeoForschungsZentrum GFZ (GFZ-Potsdam), Germany
10/2006 – 07/2007	Fellowship of the DAAD: German Academic Exchange Service at the Helmholtz-Zentrum Potsdam - Deutsches GeoForschungsZentrum GFZ (GFZ-Potsdam), Germany
2006 - 2007	Research Contract in the framework of the project NERIES (Network of Research Infrastructures for European Seismology) at the 'Dipartimento di Protezione Civile, Rome', Italy
03/2006 – 08/2006	Fellowship at the University of Siena, Italy
2005	Qualified to practice the profession of Geologist

B. Bibliometric parameters (at the 21st June 2023)

	Scopus	Web of Science	Google Scholar
Number of Research Articles	87	68	211
H-index	27	26	32
Total number of citations	2370	2053	3299

C. Scientific Research Activities

Ability to attract Competitive Funding as Project Manager

07/2015 – 08/2017	Principal Investigator of the Project 'TRACKING FLUID MIGRATION IN GEOTHERMAL FIELDS BY SEISMIC INTERFEROMETRY, TIMeS', Bando STAR 2014 - Linea 1, finanziato dall'Università degli Studi di Napoli Federico II e dalla Compagnia di San Paolo. (funding100.000,00 €)
09/2015 – 09/2016	Scientific responsible for the Physics Department 'E. Pancini' of the University of Naples Federico II of the Scientific Collaboration Agreement with the Research Institute for Hydrogeological Protection, of the National Research Council (CNR IRPI), aimed at the 'STUDY AND CREATION OF TECHNOLOGICAL AND IT-SOLUTIONS FOR THE IDENTIFICATION, LOCALIZATION AND CHARACTERIZATION OF LANDSLIDES THROUGH THE ANALYSIS OF DATA FROM REGIONAL SEISMIC NETWORKS'. (funding15.000,00 €)
02/2022 – 02/2024	Principal Investigator of the Project 'HOW TO CATCH A DRAGON KING (DRAGON)', Bando STAR PLUS 2020 - Linea 1, Bando STAR 2014 - Linea 1, finanziato dall'Università degli Studi di Napoli Federico II e dalla Compagnia di San Paolo. (funding 101.800,00 €)
2023 - 2025	Principal Investigator of the Project 'Intercepting the PREparatory Phase of lARge earthquakes from seismic information and gEodetic Displacement (PREPARED)', Project code: 2022ZHXWC9. Project funded within the 'Bando PRIN 2022 - Progetti di Rilevante Interesse Nazionale (D.D.MUR n. 746, 31-5-2023). (funding 247.010,00 €)

Organization, Management And Coordination Of Or Participation In National And International Research Centers Or Groups And Other Activities Such As The Management Or Participation In Editorial Committees Of Scientific Journals

- **Projects**

Principal Investigator

1. TIMeS - Tracking Fluid Migration In Geothermal Fields By Seismic Interferometry, Bando STAR Linea 1 - 2014, by Università degli Studi di Napoli Federico II and Compagnia di San Paolo. From 01-09-2015 to 31-08-2017.

2. DRAGON – How to catch a Dragon King, Bando STAR Plus 2020 - Linea 1, by Università degli Studi di Napoli Federico II and Compagnia di San Paolo. From 15-02-2022 to 15-02-2024.

3. PREPARED - Intercepting the PREparatory Phase of lARge earthquakes from seismic information and gEodetic Displacement', Project code: 2022ZHXWC9. Project funded within the 'Bando PRIN 2022 - Progetti di Rilevante Interesse Nazionale (D.D.MUR n. 746, 31-5-2023)

Work-Package Leader

4. PRIN-FLUIDS - Detection and tracking of crustal fluid by multi-parametric methodologies and technologies. PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2017 Prot. 20174X3P29. From 30/10/2019 to today.

5. PREPOSE - PRE and POst Seismic Events analysis – Research contract "PREPOSE" between the University of Naples Federico II and the company ENI SPA (n. 2500033423). From 2019 to 2020.

6. Project MISE – 2016. In the framework of the Operating Agreement for technical-scientific collaboration in the two-year period 2017-2018 between the Ministry of Economic Development, Directorate General for Safety, also environmental, of mining and energy activities - National Mining Office for Hydrocarbons and Georesources - and the University of Naples Federico II. The Project aimed at carrying out research and to provide institutional support concerning the development of innovative approaches in relation to the exploration and production of hydrocarbons at sea. From 2017 - 2018.

7. Framework Agreement N.559/2017 'Research in the field of "Mechanical, Diagnostic and Electric Traction Solutions, for railway applications", Application Agreement 'Development of seismic early warning systems' between the University of Naples Federico II, Department of Physics 'E. Pancini', and Rete Ferroviaria Italiana S.p.A. From 2018 to 2019.

Research Unit Responsible

7. EDIM – Earthquake Disaster Information System for the Marmara Region, Turkey Finanziato dal German Federal Ministry of Education and Research (BMBF). WP B 'Self-Organizing Sensor System'. From 01-09-2007 to 31-07-2010.

8. PROGRESS 'Georisiken im Globalen Wandel'. Founded by German Federal Ministry of Education and Research (BMBF) – 2009 - 2014. WP -Tel D2.1.2: Dezentrales Sensorsystem. Development of a new multi-parameters, low-cost, self-organizing wireless mesh-network system for natural hazards early-warning in Central Asia. From 01-06-2010 to 31-12-2011.

9. REAKT, Strategies and tools for Real Time EArthquake RisK ReducTion. SEVENTH FRAMEWORK PROGRAMME, Environment (including climate change), Call: FP7-ENV-2011/Collaborative project. WP4 - Early Warning and rapid assessment of earthquake damage potential. at GFZ-Potsdam from 01.09.2011 to 31.12.2011 and at University of Naples Federico II, from

01.03.2013 to 31.12.2014.

Participant

DPC - INGV S3 - Shaking scenarios in areas of priority and/or strategic interest. Task 6, Scenarios Area n.4, Gubbio. Objectives: Ground shaking scenarios at the bedrock and for the town of Gubbio, Italy, and its plain. From 01-06-2005 to 31-12-2006.

NERIES - Network of Research Infrastructures for European Seismology. Funding scheme (FP6): Integrated Infrastructure Initiative (I3) 2006 - 2010. Sub-project JRA4 'Developing low cost tools for a reliable characterisation of the ground mechanical properties near the surface at the European strong motion sites'. From 01-10-2006 to 31-07-2007.

SAFER - Seismic early warning for Europe SIXTH FRAMEWORK PROGRAMME, SUSTAINABLE DEVELOPMENT, GLOBAL CHANGE AND ECOSYSTEM PRIORITY 6.3.IV.2.1: REDUCTION OF SEISMIC RISKS, CONTRACT N. 036935. Start Date: 15th June 2006 – End Date: 14th June 2009. WP4 Real Time Shake Maps. From 01-09-2007 to 14-06-2009.

Project DPC - INGV S4 - Accelerometer database (INGV-DPC 2007-2009 Agreement) Research Unit UR8 (GFZ), Title: SEISMIC CHARACTERIZATION OF SITES USING ARRAY TECHNIQUES. From 01-05-2008 to 31-05-2010.

Project MIIC 'Monitoring and Imaging based on Interferometric Concepts'. Founded by the BMBF/DFG Sonderprogramm GEOTECHNOLOGIEN – 2010 - 2013. Work package 2.1: 3D small scale ambient noise tomography and development of field techniques. From 27-08-2010 to 31-12-2011.

SHEER - SHale gas Exploration and Exploitation induced Risk. An EU Horizon 2020 Project, funding scheme: Risks Research and Innovation Action (LCE-16-2014), Understanding, preventing and mitigating the potential environmental impacts and risks of Shale Gas Exploration and Exploitation. WP 4 'Assessment of Induced Seismicity'. From 04-05-2015 to 28-04-2018.

- **Participation in Editorial Committees for the following scientific journals:**

1. Associated Editor for 'Scientific Reports' (https://www.nature.com/srep/)
2. Associated Editor for 'Frontiers in Earth Science - Geohazards and Georisks' (https://www.frontiersin.org/journals/earth-science/sections/geohazards-and-georisks)
3. Associated Editor for 'Forecasting' (https://www.mdpi.com/journal/forecasting/).
4. Associated Editor for 'Academic Platform Journal of Natural Hazards and Disaster Management' (https://dergipark.org.tr/en/pub/apjhad/).

Reviewing activity
Referee of different international seismological journals, e.g.: Bulletin of Seismological Society of America, Geophysical Journal International, Journal of Seismology, Soil Dynamic and Earthquake engineering, Bulletin of Earthquake Engineering, Journal of Applied Geophysics, Geophysics, Near Surface Geophysics, Geophysical Research Letters.

- **Organization of international conferences and meetings:**

1. Co-convener of the session 'SM6.3 Earthquake swarms, complex seismic sequences and their earthquake source properties in tectonic and volcanic regions' at the EGU General Assembly 2023, Vienna, 23-28 April 2023
2. Convener of the session 'S029. Real-time earthquake assessment: Earthquake early warning to post-earthquake damage' at AGU Fall Meeting 2019, 9-13 December, San Francisco, CA, USA.

3. Convener of the session ‘S18 Towards a faster and more accurate assessment of the impact of an earthquake’ Conveners: Matteo Picozzi, John F. Clinton, Stefano Parolai, Aldo Zollo, at the ESC 2018 European Seismological Commission, 36th General Assembly. September 2-7, Valletta, Malta. From 02-09-2018 to 07-09-2018.
4. Convener of the session '15 - Earthquake and multi hazard early warning and rapid response' at ESC 2016 European Seismological Commission, 35rd General Assembly. September 4-10, Trieste, Italia. From 04-09-2016 to 10-09-2016.
5. Convener of the session 'SC4/SM3.3 - Short Course on Earthquake Early Warning: Approaches, Methodologies and Case Studies' at EGU 2014 European Geosciences Union, General Assembly 2014, Vienna | Austria | 27 April – 02 May 2014.
6. Convener of the session 'SD11 Scientific and technological advances in earthquake early warning and rapid response' at ESC 2010 European Seismological Commission, 32nd General Assembly. September 6-10, Montpellier France. From 06-09-2010 to 10-09-2010.

- **Infrastructure and Experiment Managment**

1. Responsible of the experiment DETECT 'The DEnse mulTi-paramEtriC observations and 4D high resoluTion imaging), which consists in the installation and management of 200 seismic stations in 20 municipalities of the epicentral area of the 1980 Irpinia earthquake in Campania and Basilicata. The experiment required the coordination of 8 between Universities and National and International research institutes, for a total of about 50 fellow researchers. From 24.08.2021 to 31.08.2022

2. Responsible for the experiment 'Monitoring of microseismicity through high-resolution seismic micro-antennas in the Collalto area', carried out in cooperation with INOGS - National Institute of Oceanography and Experimental Geophysics. From 07.01.2019 to 20.03.2019

3. Responsible of the 'MOMA' experiment: Installation of 3 seismic micro-antennas (21 stations) in Irpinia, Italy, for the recording of micro-earthquakes. Experiment carried out in cooperation with Helmholtz-Zentrum Potsdam - Deutsches GeoForschungsZentrum GFZ (GFZ-Potsdam), Germany. From 01.04.2016 to 30.06.2016

4. Responsible for the Magma Energy Italia s.r.l. of the: i) design and implementation of seismic networks (infrastructure) for monitoring micro-seismicity in the geothermal research areas of 'Mensano' and 'Roccastrada'; ii) quality control of geophysical data analysis (e.g., gravimetry, magnetotelluric, magnetometry, seismic reflection). From 01-02-2012 to 28-02-2013

5. Co-Field Manager for the GFZ-Potsdam of the seismic noise survey at Karakol and Bishkek (Kyrgyzstan). Installation of a temporary seismic network (infrastructure) of 17 stations in Karakol. Installation of seismic micro-arrays in Karakol and Bishkek. July 2011.

6. Responsible of the installation and management of an accelerometer network for seismic early warning at the CAIAG research center in Bishkek, Kyrgyzstan (4 stations installed within the research center). February 2011.

7. Responsible for the experiment for the structural monitoring of the Adolph' Bridge in Luxembourg City, Luxembourg, with accelerometers. May 2010

8. Field manager for the GFZ-Potsdam during the campaign of measurements with seismic arrays for the characterization of the site response of the stations of the national accelerometric network RAN (L'Aquila, Norcia, Val D'Agri), Project DPC-INGV “S4”. May 2009

9. Field manager for the GFZ-Potsdam during the EARTHQUAKE TASK FORCE mission following the L'Aquila earthquake Mw = 6.3 of 6 April 2009. Installation and management of seismic and accelerometer stations (temporary infrastructure). April 2009

10. Responsible for the the GFZ-Potsdam during various field work missions in the framework of the EDIM and SAFER projects. Installation (within infrastructures) and management of the accelerometer network Self-Organizing Seismic Early Warning Information System in Istanbul, Turkey. Installation of an accelerometer network at the Fatih Sultan Mehmet Suspension Bridge in Istanbul, Turkey. During 2008 and 2009

11. Responsible of the BASIN experiment (Brandeburg Array for Seismic Investigation with Noise), measurements with seismic array in Nauen (Barnewitz), Germany. May 2007.

- **Research contracts at qualified foreign or supranational universities and research institutes**

12. Post-doc research contract at the Helmholtz Center Potsdam, GFZ German Research Center for Geosciences (GFZ Potsdam). Researcher in the section 2.1 'Earthquake Risk and Early Warning'. Research activity within the international projects EDIM (Earthquake Disaster Information system for the Marmara region, Turkey) and SAFER (Seismic eArly warning For EuRope). From 01-09-2007 to 31-05-2010.

13. Research contract as 'Senior Researcher' at the research institute Helmholtz Center Potsdam, GFZ German Research Center for Geosciences (GFZ Potsdam). Researcher in section 2.1 'Earthquake Risk and Early Warning'. Research activity within the international projects PROGRESS, REAKT, MIIC, DPC-INGV S4. From 01-06-2010 to 31-12-2011

- **University's third mission**

As part of the University's Third Mission, I am a Founding Member of the Academic Spin-Off RISS: Real Time Innovative Solutions for Seismology (http://www.riss-srl.com). The primary mission of the RISS srl company is the development of automatic systems for seismic Early Warning and the monitoring of natural and induced microseismicity. From 02-10-2015 to today.

- **Invited speaker**

1. Invited speaker (Seminar) at DISTAV, University of Genoa, 10 January 2023. Title: "Temporal and spatial evolution of radiated energy to seismic moment scaling during the preparatory phase of the Mw 6.1, 2009 L'Aquila earthquake (Italy) and the 2016 Central Italy Seismic Sequence".

2. Invited speaker (Seminar) at the Department of Mathematics and Geosciences, University of Trieste, 18 January 2023. Title: "Temporal and spatial evolution of radiated energy to seismic moment scaling during the preparatory phase of the Mw 6.1, 2009 L 'Aquila earthquake (Italy) and the 2016 Central Italy Seismic Sequence".

3. Invited speaker (Seminar) at the inauguration of the IRPINIA Section (INGV) at Grottaminarda "Section Irpinia, the research that makes a network", 4 October 2022. Title: "Space-time evolution and properties of microseismicity observed near Fault Observatory of Irpinia".

4. Invited speaker (Seminar) at the Kickoff meeting of the project "E-City: Near-fault observation and simulation of earthquake ground motion in an urban environment", Grenoble, France, February 15, 2022. Title: "The Irpinia Near -Fault Observatory".

5. Invited speaker (Seminar) at Helmholtz-Zentrum Potsdam research center - Deutsches GeoForschungsZentrum GFZ (GFZ-Potsdam), Germany, 2022-02-16 Potsdam, Germany. Title: "Spatio-temporal evolution of microseismicity source properties and ground-motion intensity at the Irpinia Near-Fault Observatory, southern Italy".

6. Invited speaker (Seminar) at Helmholtz-Zentrum Potsdam research center - Deutsches GeoForschungsZentrum GFZ (GFZ-Potsdam), Germany, 2020-02-17 Potsdam, Germany. Title: “Earthquake Early Warning @RISSCLab Naples: Advances and Scientific Challenges”.

7. Invited speaker (Seminar) at “The international workshop: Early warning systems for debris flows: state of the art and challenges”, 16-18 October 2019 Bozen-Bolzano. Title: “Lessons From Seismology: Early Warning Systems For Earthquakes”.

8. Invited speaker (Seminar) at DISTAV, University of Genoa, 20 May 2019. Title: “The Irpinia Near Fault Observatory (Southern Apennines, Italy): a means for understanding the physics of earthquakes and faulting”.

9. Invited speaker (Seminar) at DISTAV, University of Genoa, 16 July 2018. Title: 'Seismic Early Warning and the PRobabilistic and Evolutionary early warning System PRESTo'.

10. Invited speaker for a Ted TALK like with title 'High resolution seismic antennas for monitoring microseismicity' as part of the Energy activities event. Security as a hub for technological innovation promoted by the Ministry of Economic Development in collaboration with CRIET (Interuniversity Research Center in Territorial Economics) and RSE (Research on the Energy System). Milan 12.18.2017.

11. Invited speaker (Seminar) for the talk 'The Seismic Network of Irpinia, a near-fault observatory and a center for Early Warning', at the Symposium “1976-2016, Seismic and accelerometric monitoring for Civil Protection: status of art and new strategies 40 years after the Friuli earthquake” and "Inauguration of the new headquarters of the OGS Seismological Research Centre", 19 April 2016, Udine. (19-04-2016)

12. Invited speaker (Seminar) for the talk 'Seismic Early Warning and the PRobabilistic and Evolutionary early warning SysTem PRESTo' at the research center OGS National Institute Of Oceanography And Experimental Geophysics, October 28, 2014. (28-10-2014)

13. Invited speaker (Seminar) for the talk 'Application of the PRESTo Earthquake early warning system in north-eastern Italy, Slovenia and Austria: Experience with the CE3RN network' at the CE3RN MEETING – 29 OCT. 2014, Zagreb, University of Zagreb, Faculty of Science, Geophysical Department. (29-10-2014)

14. Invited speaker (Seminar) for the talks 'Smart sensors in earthquake early warning and rapid response' and 'Worldwide implementation of the PRESTo regional and on-site early-warning and alert management system' at the International Workshop on Earthquake Early Warning, Nov 4-7, 2015, Beijing, China. Invitation from the China Earthquake Administration (CEA). (04-11-2015)

15. Invited speaker (Seminar) for the talk 'Seismic Risk and Early Warning' at the "GeoX and PROGRESS, Scientific meeting & General Assembly". 20/21.06.2011 Potsdam, Germany. (2011-06-20)

16. Invited speaker (Seminar) for the talk 'Status and future plans and needs of research with the SOSEWIN system' at the "Deutsche Forschungsgemeinschaft (DFG) and Leibniz University Hannover Rundgespräch Geosensor Networks". Hannover, Germany, February 3rd, 2010. (2010-02-03).

17. Invited speaker (Seminar) for the talks 'Self-organizing seiewsmic early warning information network' and 'Wireless technologies for the monitoring of strategic civil infrastructures: an ambient vibration test of the Faith Bridge, Istanbul, Turkey' on the occasion of the "International Earthquake Symposium –Kocaeli (Turkey), 17-19 Aug 2009". (17-08-2009)

18. Invited speaker (Seminar) for the talks 'Self-organizing seiewsmic early warning information

network' at the "EWS Transport (Early Warning Systems for transport lines) Workshop". 9-10 February 2009, Karlsruhe, Germany. (09-02-2009)

- **Participation as speaker at international and national conferences**

1. Picozzi M., Temporal and spatial evolution of radiated energy to seismic moment scaling during the preparatory phase of the Mw 6.1, 2009 L'Aquila earthquake (Italy) and the 2016 Central Italy Seismic Sequence, GNGTS 2023, The 41st National Conference of the GNGTS, 7th - 9th of February 2023, *Geophysics for the future of the Planet,*

2. Picozzi M., Iaccarino A.G., Forecasting of the Preparatory Phase of Induced Earthquakes by Recurrent Neural Network, '37th General Assembly (GA) of the European Seismological Commission', virtual event 19-24th September 2021.

3. Picozzi M., Bindi D., Spallarossa D., Oth A., Di Giacomo D., and Zollo A., Moment and energy magnitudes: diversity of views on earthquake shaking potential and earthquake statistics, AGU Fall Meeting 2019, 9-13 December, San Francisco, CA, USA.

4. Picozzi M., Bindi D., Spallarossa D., Di Giacomo D., Zollo A., A RAPID RESPONSE MAGNITUDE SCALE FOR TIMELY ASSESSMENT OF THE HIGH FREQUENCY SEISMIC RADIATION. ESC 2018 European Seismological Commission 36th General Assembly. September 2-7 2018, Valletta, Malta. ESC2018-S18-316.

5. Picozzi M., Oth A., Parolai S., Bindi D., De Landro G., Amoroso O., ACCURATE ESTIMATION OF SEISMIC SOURCE PARAMETERS OF INDUCED SEISMICITY BY A COMBINED APPROACH OF GENERALIZED INVERSION AND GENETIC ALGORITHM: APPLICATION TO THE GEYSERS GEOTHERMAL AREA, CALIFORNIA. ESC 2018 European Seismological Commission 36th General Assembly. September 2-7 2018, Valletta, Malta. ESC2018-S32-318.

6. Picozzi M., Spallarossa D., Bindi D., and Zollo A., Rapid determination of local energy magnitude and scaled energy for Central Italy. 36° Convegno GNGTS, Trieste, 14-16 Novembre 2017.

7. Picozzi M., D. Bindi, P. Brondi, D. Di Giacomo, S. Parolai, and A. Zollo, Rapid determination of P-wave-based Energy Magnitude: Insights on source parameter scaling of the 2016 Central Italy earthquake sequence, EGU 2017 - European Geosciences Union, General Assembly 2017, Vienna | Austria | 27 April – 02 May 2017.

8. Picozzi M., D. Bindi, P. Brondi, D. Di Giacomo, S. Parolai, and A. Zollo, Rapid determination of P-wave-based Energy Magnitude: Insights on source parameter scaling of the 2016 Central Italy earthquake sequence, EGU 2017 - European Geosciences Union, General Assembly 2017, Vienna | Austria | 27 April – 02 May 2017.

9. Picozzi M., Oth A, Parolai S., D. Bindi, G. De Landro, O. Amoroso, and A. Emolo, Seismic source parameters of the induced seismicity at The Geysers geothermal area, California, by a generalized inversion approach, SSA 2017 Annual Meeting – Seismological Society of America, 18-20 April, Denver, Colorado.

10. Picozzi M., Bindi D., Brondi P., Di Giacomo D., Parolai S., and A. Zollo, Rapid determination of P-wave-based Energy Magnitude: Insights on source parameter scaling of the 2016 Central Italy earthquake sequence, SSA 2017 Annual Meeting – Seismological Society of America, 18-20 April, Denver, Colorado.

11. Picozzi M., P. Brondi, D. Bindi, D. Di Giacomo, S. Parolai, and A. Zollo, Real-time estimation of energy magnitude for EEW purposes, ESC 2016 European Seismological Commission 35rd General Assembly. September 4-10 2016, Trieste Italy.

12. Picozzi, M., A: Emolo, C. Martino, A. Zollo, S. Colombelli and the REAKT Working Group, PRESToPlus and Sentinel an Earthquake Early Warning System for Schools: a Feasibility Study in Southern Italy, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

13. Picozzi, M., A. Manconi, V. Coviello and F. De Santis, Landslide Induced Seismicity: Near real-time Detection and Characterization Using Regional Seismic Networks, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

14. Picozzi, M., A: Emolo, C. Martino, A. Zollo, S. Colombelli and the REAKT Working Group, PRESToPlus and Sentinel an Earthquake Early Warning System for Schools: a Feasibility Study in Southern Italy, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

15. Picozzi, M., A. Manconi, V. Coviello and F. De Santis, Landslide Induced Seismicity: Near real-time Detection and Characterization Using Regional Seismic Networks, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

16. Picozzi, M., A. Emolo, C. Martino, A. Zollo, S. Colombelli and the REAKT Working Group, PRESToPlus and Sentinel an Earthquake Early Warning System for Schools: a Feasibility Study in Southern Italy, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

17. Picozzi, M., A. Manconi, V. Coviello and F. De Santis, Landslide Induced Seismicity: Near real-time Detection and Characterization Using Regional Seismic Networks, ECGS & ESC/EAEE Joint Workshop 'Earthquake and Induced Multi-Risk Early Warning and Rapid Response', November 18-20, 2015, Luxembourg.

18. Picozzi M., A. Zollo, S. Colombelli, A. Emolo, G. Festa, L. Elia, and C. Martino, New directions in real-time earthquake characterization, loss and structural damage assessment, JLG97 - 97th Journées Luxembourgeoises de Géodynamique (JLG97); 2–4 October 2013, Luxembourg.

19. Picozzi M., Tailor-made earthquake early warning for buildings, EGU 2011 – European Geosciences Union General Assembly 2011; Vienna | Austria | 03 – 08 April 2011.

20. Picozzi M., Milkereit C., Parolai S., Zschau J., Fleming K., Fischer J., Kuehnlenz F., Lichtblau B., Eveslage I., SOSEWIN, a wireless mesh network of seismic sensors. New perspectives for seismic early warning, rapid response systems, earthquake task force missions, and monitoring of civil infrastructure, ESC 2010 - European Seismological Commission 32nd General Assembly. September 6-10, Montpellier France.

21. Picozzi, M., C. Milkereit, S. Parolai, K. Fleming, J. Zschau, J. Fischer, F. Kühnlenz, B. Lichtblau and I. Eveslage, Wireless mesh network of seismic sensors, new perspectives for seismic early warning, earthquake task force missions and monitoring of civil infrastructure, JLG95 - 95th Journées Luxembourgeoises de Géodynamique (JLG95); 9-11 November 2009, Luxembourg.

22. Picozzi M., C. Milkereit, C. Zulfikar, R. Ditommaso, M. Erdik, E. Safak, K. Fleming, O. Ozel, J. Zschau, and A. Apaydin, Wireless technologies for the monitoring of strategic civil infrastructures: an ambient vibration test of the Faith Bridge, Istanbul, Turkey, EGU 2009 - European Geosciences Union General Assembly 2009, Vienna, Austria, 19 – 24 April 2009.

23. Picozzi M., and the SAFER and EDIM working groups Team, The Self-Organising Seismic Early Warning Information Network, EGU 2009 - European Geosciences Union General Assembly 2009, Vienna, Austria, 19 – 24 April 2009.

24. Picozzi M., and the SAFER and EDIM work groups, Seismological and early warning activities of the SOSEWIN, EGU 2008, European Geosciences Union General Assembly 2008, Vienna, Austria, 13 – 18 April 2008.

25. Picozzi M. and D. Albarello, Inversione Congiunta Di Curve Di Dispersione E Dei Rapporti Spettrali H/V Da Misure Passive Mediante Combinazione Di Algoritmi Genetici E Metodi Linearizzati (Marquardt-Svd), GNGTS 2006 - 25° Convegno Nazionale GNGTS, Roma 28-30 Novembre 2006.

26. Picozzi, M., Parolai, S., Richwalski, S.M., Inversione Congiunta Di Curve Dei Rapporti Spettrali H/V E Di Dispersione Da Rumore Sismico Ambientale: Stima Delle Vs Nel Bedrock, GNGTS 2005 - XXIV Convegno Nazionale del G.N.G.T.S. - C.N.R., Roma, 15-17 novembre 2005.

27. Picozzi, M., Parolai, S., Albarello, D., Joint inversion of phase velocity dispersion and H/V ratio curves from seismic noise recordings using a genetic algorithm, also considering higher modes, ESC 2004 - European Seismological Commission XXIX General Assembly, Potsdam, Germany 2004.

- **Review of projects and PhD theses abroad**

1. Reviewer of Bambang Setiawan's PhD thesis 'Quantifying the Seismic Site Amplification Characteristics of Adelaide's Regolith' for the University of Adelaide, Australia. August 20, 2018

2. Reviewer for the 'Netherlands Organization for Scientific Research' of the research project 'The Netherlands Organization for Scientific Research' of Prof. dr. ir. C.P.A. wapenaar. July 16, 2018.

3. Reviewer for the 'Swiss National Science Foundation' of a seismological research project. July 2022.

D. Teaching, supplementary teaching and student service activities

- **Teaching**

1) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2022-2023 (N. CFU: 12, N. HOURS: 112), Role: Owner of the course.

2) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2021-2022 (N. CFU: 12, N. HOURS: 112), Role: Owner of the course.

3) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2020-2021 (N. CFU: 12, N. HOURS: 112), Role: Owner of the course.

4) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2019-2020 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

5) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2018-2019 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

6) Course name: Seismology
Master degree in Physics, at the Physics Department ‘E. Pancini’, University of Naples Federico II. Period: A.Y. 2018-2019 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

7) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2017-2018 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

8) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2016-2017 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

9) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2015-2016 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

10) Course name: Physics
Bachelor degree in Geological Sciences, at the Department of Earth Sciences (Distar), University of Naples Federico II. Period: A.Y. 2014-2015 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

11) Course name: Applied Geophysics
Master degree in Physics, at the Physics Department ‘E. Pancini’, University of Naples Federico II. Period: A.Y. 2013-2014 (N. CFU: 8, N. HOURS: 64), Role: Owner of the course.

12) Course name: Advanced Seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2021-2022 (N. CFU: 3, N. HOURS: 24), Role: Owner of the course.

13) Course name: Advanced Seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2020-2021 (N. CFU: 3, N. HOURS: 24), Role: Owner of the course.

14) Course name: Advanced Seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2019-2020 (N. CFU: 2, N. HOURS: 18), Role: Owner of the course.

15) Course name: Advanced Seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2018-2019 (N. CFU: 2, N. HOURS: 18), Role: Owner of the course.

16) Course name: Elements of seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2015-2016 (N. CFU: 2, N. HOURS: 18), Role: Owner of the course.

17) Course name: Elements of seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2014-2015 (N. CFU: 2, N. HOURS: 18), Role: Owner of the course.

18) Course name: Elements of seismology
PhD Course in Structural Engineering, Geotechnics and Seismic Risk, University of Naples Federico II. Period: A.Y. 2013-2014 (N. CFU: 2, N. HOURS: 18), Role: Owner of the course.

- **PhD thesis tutoring**

1) Tutor of Dr. Piero Brondi for the PhD in Seismic Risk, University of Naples Federico II, XXVIII cycle, title of the thesis "Feasibility studies for the implementation and integration of early warning systems on a national and for specific sites".

2) Tutor of Dr. Antonio Giovanni Iaccarino for the PhD in Seismic Risk, University of Naples Federico II, XXXIII cycle (industrial doctorate), title of the thesis "Design, development and implementation of an integrated hardware and software system for seismic early warning".

- **Graduation Thesis Supervisor**

1) Anna Lombardi, Matr. 567000520, Study of environmental seismic noise at the ITIS 'Ettore Majorana' institute in Somma Vesuviana (Naples), Bachelor's Degree in Physics, A.Y. 2012/2013, Department of Physics. University of Naples Federico II.

2) Seva Morici, Matr.N90/795, Diffuse CO_2 degassing from the ground and structural model of the Solfatara di Pozzuoli (Naples, Italy) from geochemical and geophysical investigations, Bachelor's Degree in Geological Sciences, A.Y. 2019/2020, Department of Earth, Environmental and Resources Sciences. University of Naples Federico II.

3) Di Costanzo Emanuela, Matr. 90/298, Seismic monitoring and Earthquake early warning in the Irpinia region, Three-year degree in Geological Sciences, A.Y. 2019/2020, Department of Earth, Environmental and Resources Sciences. University of Naples Federico II.

4) Nunzia Lucci, Matr. N90/850, Spatial and Temporal Variability of Ground Motion in Val D'agri, Basilicata, Bachelor's Degree in Geological Sciences, A.Y. 2019/2020, Department of Earth, Environmental and Resources Sciences. University of Naples Federico II.

5) Amalia Cristofaro, N94/500, Real-time prediction of Distance, Magnitude and PGA using P-wave Features from a Single Station using Machine Learning Regressor for On-site Earthquake Early Warning. Master's Degree in Physics, A.Y. 2020/2021, Department of Physics E. Pancini, University of Naples Federico II

- **Training courses and contributions to institutional courses**

1) Teaching within the Advanced Training Course entitled "Geophysical and volcanological research for the monitoring of natural and environmental risks and for the protection and use of local resources", within the VULCAMED Project (Cod PONa3_00278). Didactic modules: COM-2 'Global seismology and structure of the Earth' (12 hours); 'Early Warning Seismic' (6 hours), from 10-06-2013 to 03-09-2013.

2. Teaching within the Advanced Training Course entitled "Geophysical and volcanological research for the monitoring of natural and environmental risks and for the protection and use of local resources", within the VULCAMED Project (Cod PONa3_00278). Didactic modules: RIC-6 'Insights on seismic early warning techniques' (6 hours), June 2014.

- **Qualified teaching courses from foreign or supranational universities and research institutes**

1) Teaching within the 'INTERNATIONAL TRAINING COURSE ON SEISMOLOGY, HAZARD ASSESSMENT, AND RISK MITIGATION' in Germany organized by the Helmholtz Center Potsdam GFZ and UNESCO. Title of the courses: 'Array data analysis' and 'SOSEWIN stations installation and analysis'. From 2009-09-21 to 2009-10-23.

2) Teaching within the 'GERMAN-CHINISE TRAINING COURSE ON SEISMOLOGY AND HAZARD ASSESSMENT' in Germany organized by the Helmholtz Center Potsdam GFZ and the Chinese Government. Course title: 'Array Methods in Microzonation'. From 16-08-2010 to 03-09-2010.

3) Teaching within the 'INTERNATIONAL TRAINING COURSE ON SEISMOLOGY, SEISMIC DATA ANALYSIS, HAZARD ASSESSMENT, AND RISK MITIGATION' in Turkey organized by the Helmholtz Center Potsdam GFZ and UNESCO. Course title: 'Direct and induced effects of strong earthquake ground motion, microzonation, array measurements'. From 20-09-2010 to 22-10-2010.

4) Teaching within the 'INTERNATIONAL TRAINING COURSE ON SEISMOLOGY, HAZARD ASSESSMENT, AND RISK MITIGATION' in Germany organized by the Helmholtz Center Potsdam GFZ and UNESCO. Course title: 'Array techniques in Microzonation and Seismological Networks'. From 19-09-2011 to 21-10-2011.

- **Support activities**

1) Participation in commissions for research grants and scholarships
2) Participation in a commission for the selection of doctoral students
3) Participation in graduation commissions

E. Management, Organizational and Service Activities

1) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2013/14 - Cycle: XXIX - Duration: 3 years

2) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2014/15 - Cycle: XXX - Duration: 3 years

3) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2015/16 - Cycle: XXXI - Duration: 3 years

4) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2016/17 - Cycle: XXXII - Duration: 3 years

5) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2017/18 - Cycle: XXXIII - Duration: 3 years

6) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2018/19 - Cycle: XXXIV - Duration: 3 years

7) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2019/20 - Cycle: XXXV - Duration: 3 years

8) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2020/21 - Cycle: XXXVI - Duration: 3 years

9) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2021/22 - Cycle: XXXVII - Duration: 3 years

10) Member of the Teaching Board of The Doctorate in 'Structural, Geotechnical and Seismic Risk Engineering', University of Naples Federico II, A.Y. 2022/23 - Cycle: XXXVIII - Duration: 3 years

11) Appointed as member of the Commission for the RESEARCH DOCTORATE IN STRUCTURAL, GEOTECHNICAL ENGINEERING AND SEISMIC RISK - XXXII cycle, of the University of Naples Federico II. (During 2016).

12) Appointed as member of the Commission for the RESEARCH DOCTORATE IN STRUCTURAL, GEOTECHNICAL ENGINEERING AND SEISMIC RISK - XXXVII cycle, of the University of Naples Federico II. (During 2021).

13) Appointed as member of the commission for the 'Public selection, by qualifications and interview, for the recruitment of n. 1 researcher with a fixed-term employment relationship, for a period of three years, pursuant to art. 24, paragraph 3, lett. b), of Law 240/2010 for carrying out research, teaching, supplementary teaching and student service activities, - for the competition sector 02/C1 – ASTRONOMY, ASTROPHYSICS, PHYSICS OF THE EARTH AND PLANETS Department of Physics “Ettore Pancini”'. (During 2021).

F. Scientific Articles

- **Peer-reviewed published articles (Scopus/ISI)**

Dino Bindi, Daniele Spallarossa, **Matteo Picozzi**, Adrien Oth, Paola Morasca, Kevin Mayeda (2023) The Community Stress Drop Validation study. Part II: uncertainties of source parameters and stress drop. *Seismological Research Letters* 2023; doi: https://doi.org/10.1785/0220230020.

Dino Bindi, Daniele Spallarossa, **Matteo Picozzi**, Adrien Oth, Paola Morasca, Kevin Mayeda (2023) The Community Stress Drop Validation study. Part I: source, propagation and site decomposition of Fourier spectra. *Seismological Research Letters* 2023; doi: https://doi.org/10.1785/0220230019.

Mauro Palo, **Matteo Picozzi**, Grazia De Landro, and Aldo Zollo (2023). Microseismicity clustering and mechanic properties reveal fault segmentation in southern Italy. Tectonophysics. https://doi.org/10.1016/j.tecto.2023.229849

Adinolfi G.M., De Landro G., **Picozzi M.**, Carotenuto F., Caruso A., Nazeri S., Colombelli S., Tarantino S., Muzellec T., Emolo A., Zollo A., Orefice A., Ulivieri B., Calcagni D., and Piantanida M. (2023), Comprehensive study of micro-seismicity by using an automatic monitoring platform. Methods, Front. Earth Sci. - Solid Earth Geophysics, doi: 10.3389/feart.2023.1073684

Scotto di Uccio F., Scala A., Festa G., **Picozzi M.**, Beroza G.C., (2022), Comparing and integrating artificial intelligence and similarity search detection techniques: application to seismic sequences in Southern Italy, Geophysical Journal International, ggac487, https://doi.org/10.1093/gji/ggac487.

Picozzi M., Serlenga V. and Stabile T.A. (2022), Spatio-temporal evolution of ground motion intensity caused by reservoir-induced seismicity at the Pertusillo artificial lake (southern Italy). Front. Earth Sci. 10:1048196. doi: 10.3389/feart.2022.1048196

Picozzi. M., Spallarossa D., Bindi D., Iaccarino A.G. and E. Rivalta (2022), Detection of Spatial and Temporal Stress Changes During the 2016 Central Italy Seismic Sequence by Monitoring the Evolution of the Energy Index" [Paper #2022JB025100RR], for publication in Journal of Geophysical Research: Solid Earth. doi:10.1029/2022JB025100.

Caracausi, A., Buttitta, D., **Picozzi, M.**, et al. (2022). Earthquakes control the impulsive nature of crustal helium degassing to the atmosphere. Commun Earth Environ, 3, 224. https://doi.org/10.1038/s43247-022-00549-9

Picozzi, M., Spallarossa, D., Iaccarino, A. G., & Bindi, D. (2022). Temporal evolution of radiated energy to seismic moment scaling during the preparatory phase of the Mw 6.1, 2009 L'aquila earthquake (Italy). Geophysical Research Letters, 49, e2021GL097382. https://doi.org/10.1029/2021GL097382

Scala, A., Adinolfi, G.M., **Picozzi, M.**, Scotto di Uccio, F., Festa, G., De Landro, G., Priolo, E., Parolai, S., Riccio, R., Romanelli, M. (2022), Monitoring the Microseismicity through a Dense Seismic Array and a Similarity Search Detection Technique: Application to the Seismic Monitoring of Collalto Gas-Storage, North Italy. Energies, 15, 3504. https://doi.org/10.3390/en15103504

Picozzi M., F. Cotton, D. Bindi, A. Emolo, G.M. Adinolfi, D. Spallarossa, A. Zollo (2021), Spatiotemporal Evolution of Ground-Motion Intensity at the Irpinia Near-Fault Observatory, Southern Italy. Bulletin of the Seismological Society of America, 112 (1), 243–261. doi: https://doi.org/10.1785/0120210153

Nazeri S., A. Zollo, G. M. Adinolfi, O. Amoroso and **M. Picozzi**, (2021), The 2017 Ischia Earthquake (Southern Italy): Source Mechanism and Rupture Model From the Inversion of a Near-Source Strong Motion Record, IEEE Transactions on Geoscience and Remote Sensing, vol. 60, pp. 1-10, 2022, Art no. 4505510, doi: 10.1109/TGRS.2021.3111400.

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Picozzi M., D. Bindi, G. Festa, F. Cotton, A. Scala, N. D'Agostino, (2021), Spatiotemporal Evolution of Microseismicity Seismic Source Properties at the Irpinia Near-Fault Observatory, Southern Italy. Bulletin of the Seismological Society of America, 112, 226–242.
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Bindi D., Razafindrakoto H., **Picozzi M.**, Oth A. (2021): Stress Drop Derived from Spectral Analysis Considering the Hypocentral Depth in the Attenuation Model: Application to the Ridgecrest Region, California. Bulletin of the Seismological Society of America, 111, 6, 3175-3188. https://doi.org/10.1785/0120210039.

Spallarossa D., **Picozzi M.**, Scafidi D., Morasca P., Turino C., Bindi D., (2021), The RAMONES Service for Rapid Assessment of Seismic Moment and Radiated Energy in Central Italy: Concepts, Capabilities, and Future Perspectives. Seismological Research Letters, 92 (3), 1759–1772. doi: https://doi.org/10.1785/0220200348

Picozzi, M.; Iaccarino, A.G. Forecasting the Preparatory Phase of Induced Earthquakes by Recurrent Neural Network. Forecasting 2021, 3, 17–36. https://doi.org/ 10.3390/forecast3010002

Festa G., Adinolfi G.M., Caruso A., Colombelli S., De Landro G., Elia L., Emolo A., **Picozzi M.**, Scala A., Carotenuto F., Gammaldi S., Iaccarino A.G., Nazeri S., Riccio R., Russo G. and Zollo A. Insights into mechanical properties of the 1980 Irpinia fault system from the analysis of a seismic sequence. GEOSCIENCES, vol. 11, ISSN: 2076-3263, doi: 10.3390/geosciences11010028

Bindi, D., D. Spallarossa, **Picozzi M.**, and P. Morasca (2020). Reliability of Source Parameters for Small Events in Central Italy: Insights from Spectral Decomposition Analysis Applied to Both Synthetic and Real Data, Bull. Seismol. Soc. Am. XX, 1–19, doi: 10.1785/0120200126

Iaccarino, A. G., **Picozzi M.**, D. Bindi, and D. Spallarossa (2020). Onsite Earthquake Early Warning: Predictive Models for Acceleration Response Spectra Considering Site Effects, Bull. Seismol. Soc. Am. XX, 1–16, doi:10.1785/ 0120190272

Adinolfi G.M., **Picozzi M.**, Cesca S., Heimann S., and Zollo A., (2020), An application of coherence-based method for earthquake detection and microseismic monitoring (Irpinia Fault System, Southern Italy), May 2020, J. Seismol., https://doi.org/10.1007/s10950-020-09914-7

Picozzi, M., Bindi, D., Zollo, A. et al., (2019), Detecting long-lasting transients of earthquake activity on a fault system by monitoring apparent stress, ground motion and clustering. Sci. Rep., 9, 16268 (2019), doi:10.1038/s41598-019-52756-8

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Adinolfi G.M., Cesca S., **Picozzi M.**, Heimann S. and Zollo A, (2019), Detection of weak seismic sequences based on arrival time coherence and empiric network detectability: an application at a near fault observatory. Geophysical Journal International, Volume 218, Issue 3, September 2019, Pages 2054–2065, https://doi.org/10.1093/gji/ggz248

Moratto L., Romano M.A., Laurenzano G., Colombelli S., Priolo E., Zollo A., Saraò A., **Picozzi M.**, (2019), Microearthquake Source Parameters in the Area around the Collalto Gas Storage (Venetian Alpine foothills, NE Italy), Tectonophysics, Volume 762, 5 July 2019, Pages 159-168. https://doi.org/10.1016/j.tecto.2019.04.030

Picozzi M., D. Bindi, D. Spallarossa, A. Oth, D. Di Giacomo, and A. Zollo, (2019), Moment and energy magnitudes: diversity of views on earthquake shaking potential and earthquake statistics. Geophys. J. Int. (2019) 216, 1245–1259 doi: 10.1093/gji/ggy488

Bindi D, **Picozzi M**, Spallarossa D, Cotton F, Kotha S R., (2019), Impact of magnitude selection on aleatory variability associated with Ground Motion Prediction Equations: Part II – analysis of the between-event distribution in central Italy. Bulletin of the Seismological Society of America, Vol. 109, No. 1, pp. 251–262, February 2019, doi: 10.1785/0120180239.

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Picozzi, M., Bindi, D., Spallarossa, D., Di Giacomo, D., Zollo A., (2018), A rapid response magnitude scale for timely assessment of the high frequency seismic radiation. Scientific Reports – Nature (2018) 8:8562 | DOI:10.1038/s41598-018-26938-9.

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Festa, G., **Picozzi, M.**, Caruso, A., Colombelli, S., Cattaneo, M., Chiaraluce, L., Elia L., Martino, C., Marzorati, S., Supino, M., and Zollo A., (2017), Performance of Earthquake Early Warning Systems during the 2016–2017 Mw 5–6.5 Central Italy Sequence. Seismological Research Letters (2017), 89 (1), 1-12, doi: https://doi.org/10.1785/0220170150.

Picozzi, M., D. Bindi, P. Brondi, D. Di Giacomo, S. Parolai, and A. Zollo, (2017), Rapid determination of P-wave-based Energy Magnitude: Insights on source parameter scaling of the 2016 Central Italy earthquake sequence, Geophys. Res. Lett., 44, doi:10.1002/2017GL073228.

Picozzi, M., A. Oth, S. Parolai, D. Bindi, G. De Landro, and O. Amoroso, (2017), Accurate estimation of seismic source parameters of induced seismicity by a combined approach of generalized inversion and genetic algorithm: Application to The Geysers geothermal area, California, J. Geophys. Res. Solid Earth, 122, doi:10.1002/2016JB013690.

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Emolo A., **Picozzi M.**, Festa G., Martino C., Colombelli S., Caruso A., Elia L., Zollo A., Brondi P., Miranda N., (2016), Earthquake early warning feasibility in the Campania region (southern Italy) and demonstration system for public school buildings. BULLETIN OF EARTHQUAKE ENGINEERING, vol. 14, p. 2513-2529, ISSN: 1570-761X, doi: 10.1007/s10518-016-9865-z.

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Picozzi M., A. Emolo, C. Martino, A. Zollo, N. Miranda, G. Verderame, T. Boxberger, REAKT Working Group, (2015), Earthquake Early Warning System for schools: a feasibility study in Souther Italy. SEISMOLOGICAL RESEARCH LETTERS, vol. 86, p. 398-412, ISSN: 0895-0695, doi: 10.1785/0220140194.

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OF APPLIED GEOPHYSICS, vol. 106, ISSN: 0926-9851, doi: 10.1016/j.jappgeo.2014.04.012.

Colombelli S., A. Zollo, G. Festa, **M. Picozzi**, (2014), Evidence for a difference in rupture initiation between small and large earthquakes. NATURE COMMUNICATIONS, ISSN: 2041-1723, doi: 10.1038/ncomms4958.

Brogi A., Capezzuoli E., Martini I., **Picozzi M.**, Sandrelli F., (2014), Late Quaternary tectonics in the inner Northern Apennines (Siena Basin, southern Tuscany, Italy) and their seismotectonic implication. JOURNAL OF GEODYNAMICS, ISSN: 0264-3707, doi: 10.1016/j.jog.2014.03.001.

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