

PERSONAL INFORMATION

Valerio Poggi

📍 Istituto Nazionale di Oceanografia e Geofisica Sperimentale – OGS
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- ResearcherID: C-5195-2013
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- Google scholar: <https://scholar.google.it/citations?user=vzSsf8wAAAAJ&hl=en>

Sex Male | *Date of birth* --/-- | *Nationality* Italian

WORK EXPERIENCE

2023-Today

Researcher II level (Primo Ricercatore)

National Institute of Oceanography and Applied Geophysics – OGS, Udine, Italy

- Real-time earthquake impact forecasting and risk mitigation strategies

Public Research Institute

2019-2023

Researcher III level

National Institute of Oceanography and Applied Geophysics – OGS, Udine, Italy

- Real-time earthquake impact forecasting and risk mitigation strategies

Public Research Institute

2015-2018

Senior Hazard Scientist

Global Earthquake Model Foundation - GEM, Pavia, Italy

- Probabilistic seismic hazard evaluation at global and regional level

Private Research Foundation

2013-2015

Researcher (Oberassistent/Dozent)

Swiss Seismological Service, Swiss Federal Institute of Technology Zurich - ETHZ

- Seismic site response analysis, ground motion prediction models, earthquake hazard

Public Research Institute

2011-2013

Researcher (Postdoc)

Swiss Seismological Service, Swiss Federal Institute of Technology Zurich - ETHZ

- Geophysical site characterization, seismic site response analysis

Public Research Institute

EDUCATION AND TRAINING

2017	National Scientific Qualification for Associate Professorship ("II Fascia"), SSD Geophysics 04/A4 - GEO/10 Solid Earth Geophysics	EQF Level = 8
2011	Ph.D. in Geophysics, Diss., Nr. 19534, "The use of surface waves for site characterization and seismic hazard analysis" Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	EQF Level = 8
2006	Degree in Geology, marks 110/110 cum Laude (with Honors) Università degli Studi di Milano (Italy)	EQF Level = 7

PANELS

2022-today	Elected Member of the Executive Committee of the European Seismological Commission (ESC)
2023-today	OGS representative of the Steering Committee of the Ci3R (Consorzio Italiano per la Ricerca sulla Riduzione dei Rischi)
2023-today	Member of the User Advisory Board of OEFEUS

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	English (Full professional working proficiency, C2) German (Limited working proficiency, B1)
Job-related skills	My research covers a wide range of topics, covering different fields of geophysics and engineering seismology. My interests lie with signal processing (with special regards to ambient vibration seismology and the analysis of diffuse wave-field), surface-wave analysis, solution of inverse problems, ground motion modelling and engineering seismic site-response evaluation. I am presently working on issues related to the probabilistic seismic hazard assessment and earthquake impact evaluation. The current target of my research aims to bridge the gap between applied geophysics and engineering seismology.
Digital skills	OS: GNU/Linux, Mac OS X, Microsoft Windows Programming: Python; ANSI C; MATLAB; UNIX Shell Scripting, GNU/Linux system programming Tools: OpenQuake, Geopsy, QGIS, SAC, ShakeLab, Obspy, WPP

WORK ACTIVITIES

Main projects	(* As responsible for the scientific activities of the project and/or single work package) <ul style="list-style-type: none"> • 2024-today, BORIS2, funded by Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG ECHO), GA n° 101140181 – UCPCM-2023-KAPP-PREV • 2022-today, PNRR RETURN* "Multi-Risk sciEnce for resilient commUnities undeR a changiNg climate", PNRR (Piano Nazionale di Ripresa e Resilienza), Mission 4 ("Istruzione e Ricerca"), Component 2 ("Dalla ricerca all'impresa") Investment 1.3, funded by the EU – NextGenerationEU • 2020-2023 SFRARR* "Strengthening Financial Resilience and Accelerating Risk Reduction in Central Asia", OGS, funded by the European Union Research program with the support of the World Bank and the Global Facility for Disaster Reduction and Recovery (GFDRR) • 2020 RISE "Real-time earthquake risk reduction for a Resilient Europe", WP4, H2020 Research and Innovation action call SC5-17-2018, OGS • 2018-2021 ARMONIA "Rete di monitoraggio accelerometrico in tempo reale di siti ed edifici in Italia ed Austria", OGS • 2016-2017 GEM-NAHAZ* "North Africa Seismic Hazard Model", GEM Foundation.
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- 2017 SASPARM “Seismic Risk Mitigation in Palestine”, GEM Foundation in collaboration with EUCENTRE (European Centre for Training and Research in Earthquake Engineering) and IUSS School (Istituto Universitario di Studi Superiori di Pavia).
- 2015-2016 SSAHARA* “The Seismic Hazard Assessment of Sub-Saharan Africa”, GEM Foundation in collaboration with the international project AfricaArray and sponsored by USAID.
- 2014 MONT TERRI “Mont Terri Underground Rock Laboratory”, Swiss Seismological Service (SED), ETH Zurich, Switzerland
- 2014-2015 InterPACIFIC “Intercomparison of methods for site parameter and velocity profile characterisation”, Swiss Seismological Service (SED), ETH Zurich in collaboration with Politenico di Torino and University Joseph Fourier, Grenoble, France.
- 2013-2014 NAGRA-Net* “Site characterisation of the NAGRA seismic network”, Swiss Seismological Service (SED), ETH Zurich, sponsored by the NAGRA consortium (National Cooperative for the Disposal of Radioactive Waste).
- 2010-2015 SUIHAZ “Probabilistic seismic hazard zonation of Switzerland”, Swiss Seismological Service (SED), ETH Zurich.
- 2010-2012 SHARE “Seismic Hazard Harmonization in Europe”, Grant No.226769, WP4. Swiss Seismological Service (SED), ETH Zurich.
- 2010-2013 PRP The PEGASOS Refinement Project (Probabilistic Seismic Hazard Analysis for Swiss Nuclear Power Plant Sites), Swiss Seismological Service (SED), ETH Zurich and in collaboration with ENSI (Swiss Federal Nuclear Safety Inspectorate)
- 2008-2012 COGEAR “Coupled Seismogenic Geohazards in Alpine Regions”, Module 3, Task 3.2. Swiss Seismological Service (SED), ETH Zurich.
- 2008-2010 NERIES “Network of Research Infrastructures for European Seismology”, ID 26130, JRA4. Swiss Seismological Service (SED), ETH Zurich.

Tutoring Activities Teaching and training courses:

- 2019-2024 **Adjunct Professor** (professore a contratto), “Seismic hazard and applied seismology” (51 hours, credits 6), master’s degree course of “Civil Engineering for Mitigation of Risk from Natural Hazards”, Civil Engineering and Architecture department, university of Pavia, Italy
- 2017-2018 **Lecturer** “Seismic Hazard Modelling Tools” – Annual OpenQuake training course, Global Earthquake Model Foundation (GEM), Pavia, Italy
- 2014 **Lecturer** “Engineering Seismology” (course module) - ETH Master course (CODE 651-4021-00L, Earth Sciences Master, Autumn Semester), Swiss Federal Institute of Technology (ETH), Zurich, Switzerland
- 2014 **Lecturer**, “Using Ambient Vibration Array Techniques for Site Characterisation and Seismic Microzonation”, 9th Edition - Training course, University Joseph Fourier, Grenoble, France
- 2013 **Lecturer** “Site effects and site characterization” - ETH ZLG Certificate of Advanced Studies “Erdbebengefährdung und Sicherheit“, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland
- 2007-2013 **Teaching Assistant** – “Geophysikalisches Feldpraktikum - Seismische Bodenunruhe” - ETH Zurich laboratory course, Switzerland

Student supervision and co-supervision:

- 2023 Roselena Morga, PhD candidate, University of Bari, Italy
- 2022 Valentin Schindelholz, Master student, University of Grenoble Alpes, France
- 2021-2022 Alessandro Damiani, Master student, University of Pavia, Italy
- 2020-2021 Laura Cataldi, PhD candidate, University of Trieste, Italy
- 2019 Jacopo Jiritano, PhD candidate, University of Udine, Italy
- 2018 Sonia Lorini, Bachelor student, University of Pavia, Italy
- 2017-2018 Federica Ghione, Master student, University of Pavia, Italy
- 2017 Miguel Pinto, Master student (Individual project), Istituto Universitario di Studi Superiori (IUSS), Pavia, Italy
- 2017-2019 Iason Grigoratos, PhD candidate, Istituto Universitario di Studi Superiori (IUSS), Pavia, Italy
- 2015 Marwan Irnaka, Master student (Individual project), Istituto Universitario di Studi Superiori (IUSS), Pavia, Italy
- 2014 Ashraf Adly, PhD candidate, University of Cairo, Egypt

- 2014 Elena Manea, PhD candidate, National Institute of Earth Physics (NIEP), Bucharest, Romania
- 2013 Laura Ermert, Master student, ETH Zurich, Switzerland (ETH silver medal for outstanding Master thesis)
- 2012 Benjamin Walliman, Bachelor student, ETH Zurich, Switzerland

Editorial activity

- 2023-Today Guest Editor of the Special Issue “Regionally consistent risk assessment for earthquakes and floods and selective landslide scenario analysis in Central Asia”, in NHESS (Natural Hazards and Earth System Sciences).
- 2018-2020 Guest Editor of the Special Issue “Cultural heritage and Earthquakes: bridging the gap between Geophysics, Archaeoseismology and Engineering”, in Journal of Seismology (ISSN 1383-4649), Volume 24, Issue 4.
- 2017-2018 Guest Editor of the Special Issue “Site-Specific Seismic Hazard Analysis: New Perspectives, Open Issues and Challenges” in Geosciences, MDPI AG. (ISSN 2076-3263; CODEN: GBSEDA), St. Alban-Anlage 66, 4052 Basel, Switzerland. SCOPUS Citescore 1.67.

Workshops & Dissemination

- Peer reviewer - Bulletin of the Seismological Society of America; Geophysical Journal International; Geophysics; Pure and Applied Geophysics; Natural Hazards; Soil Dynamic and Earthquake Engineering; Journal of Applied Geophysics; Physics and Chemistry of the Earth; Computer Physics Communications; Near Surface Geoscience
- 2024 Session Convener of “SHR8 - Application of urgent computing facilities to critical seismological applications”, 18th World Conference on Earthquake Engineering (WCEE2024) Milan, Italy, 30th June to 5th July.
- 2020 Organizer of the 1st EPOS-IT Workshop on Earthquake Hazard, 1-3 December (online).
- 2018 Session convener of “Cultural Heritage and Earthquakes: case studies, issues and new challenges”, 36th General Assembly of the European Seismological Commission (ESC), Valletta, Malta.
- 2016 Organizer of the GEM international workshop “Assessing Earthquake Hazard and Risk in Sub-Saharan Africa”, Global Earthquake Model Foundation, Addis Ababa, Ethiopia.
- 2014 Session convener “Multi-scale passive seismic imaging and monitoring” at the 2nd European Conference on Earthquake Engineering and Seismology (2ECEES), Istanbul, Turkey, 24-29.

Consulting & other scientific activities

- 2017-2018 Microzonation study of the municipality area of Cavezzo (Modena), in collaboration with INGV (Istituto Nazionale di Geofisica e Vulcanologia, Milano) and OGS (Istituto di Oceanografia e Geofisica Sperimentale) within the project LIQUEFACT.
- 2015 Author of the feasibility study “Guidelines and strategies for seismic microzonation in Switzerland” (DOI: 10.3929/ethz-a-010735479) commissioned by FOEN (Federal Office for the Environment, Swiss Confederation) for the project “Risk Model Switzerland” (funded).
- 2015 Author of the feasibility study “Input for the new Swiss code for dams” commissioned by SFOE (Swiss Federal Office of Energy) for the incoming building code revision.
- 2008-2015 Geophysical characterisation (pre- and post-installation) of many sites of the Swiss seismological networks SDSNet (Swiss Digital Seismic Network) and SSMNet (Swiss Strong Motion Network). Technical reports are available online at <http://stations.seismo.ethz.ch>
- 2012-2014 Member of the research board “Expertengruppe Starkbeben” sponsored by ENSI (Swiss Federal Nuclear Safety Inspectorate) for the development of regional and site-specific seismic hazard assessment techniques in Switzerland.
- 2011 Collaboration with FocusTerra earth science museum (Zurich, Switzerland) for the development of educational experiments within the project “Seismo@School”
- 2009 Geophysical characterisation of the stability analysis of the Randa rockfall (Canton Vallese, Switzerland). Swiss Seismological Service (SED), ETH Zurich.
- 2007-2008 Microzonation study of the sedimentary basin of Lucerne (Switzerland). Swiss Seismological Service (SED), ETH Zurich.

ADDITIONAL INFORMATION

Publications

Total number of publications in peer-review journals: 43 (Scopus)
 Total number of citations: 2090 by 1595 documents (Scopus)
 H index: 20 (Scopus)

Total number of publications in journals belonging to the first Scopus quartile (Q1): 32
(evaluated as for 2020 metric)

Selected publications:

- 1) Damiani, A., Poggi, V., Scaini, C., Kohrangji, M., Bazzurro, P. Impact of the Uncertainty in the Parameters of the Earthquake Occurrence Model on Loss Estimates of Urban Building Portfolios (2024), *Seismological Research Letters*, 95(1), pp. 135–149.
- 2) Alvioli, M., Poggi, V., Peresan, A., Scaini, C., Tamaro, A., Guzzetti, F. A scenario-based approach for immediate post-earthquake rockfall impact assessment (2024), *Landslides*, 21 (1), pp. 1-16.
- 3) Cataldi, L., Poggi, V., Costa, G., Parolai, S., Edwards, B. Parametric spectral inversion of seismic source, path and site parameters: application to northeast Italy (2023), *Geophysical Journal International*, 232(3), pp. 1926–1943.
- 4) Petronio, L., Baradello, L., Poggi, V., ... Martelli, L., Lai, C.G. Combining SH- and P-wave seismic reflection survey to support seismic response analysis. A case study from Cavezzo (Italy) after the 2012 Emilia earthquake (2023), *Engineering Geology*, 313, 106916.
- 5) Scaini, C., Peresan, A., Tamaro, A., Poggi, V., Barnaba, C. Can high-school students contribute to seismic risk mitigation? Lessons learned from the development of a crowd-sourced exposure database (2022) *International Journal of Disaster Risk Reduction*, 69, art. no. 102755.
- 6) Pecchioli, L., Panzera, F., Poggi, V. Correction to: Cultural heritage and earthquakes: bridging the gap between geophysics, archaeoseismology and engineering (*Journal of Seismology*, (2020), 24, 4, (725-728), 10.1007/s10950-020-09936-1) (2021) *Journal of Seismology*, 25 (6), pp. 1557-1558.
- 7) Zuccolo, E., O'Reilly, G.J., Poggi, V., Monteiro, R. haselREC: an automated open-source ground motion record selection and scaling tool (2021) *Bulletin of Earthquake Engineering*, 19 (14), pp. 5747-5767.
- 8) Ghione, F., Poggi, V., Lindholm, C. A hybrid probabilistic seismic hazard model for Northeast India and Bhutan combining distributed seismicity and finite faults (2021) *Physics and Chemistry of the Earth*, 123, art. no. 103029.
- 9) Lai, C.G., Bozzoni, F., Conca, D., Famà, A., Özcebe, A.G., Zuccolo, E., Meisina, C., Boni, R., Bordoni, M., Cosentini, R.M., Martelli, L., Poggi, V., Viana da Fonseca, A., Ferreira, C., Rios, S., Cordeiro, D., Ramos, C., Molina-Gómez, F., Coelho, C., Logar, J., Maček, M., Oblak, A., Ozcep, F., Bozbey, I., Oztoprak, S., Sargin, S., Aysal, N., Oser, C., Kelesoglu, M.K. Technical guidelines for the assessment of earthquake induced liquefaction hazard at urban scale (2021) *Bulletin of Earthquake Engineering*, 19 (10), pp. 4013-4057.
- 10) Poggi, V., Scaini, C., Moratto, L., Peressi, G., Comelli, P., Bragato, P.L., Parolai, S. Rapid damage scenario assessment for earthquake emergency management (2021) *Seismological Research Letters*, 92 (4), pp. 2513-2530.
- 11) Bragato, P.L., Comelli, P., Saraò, A., Zuliani, D., Moratto, L., Poggi, V., Rossi, G., Scaini, C., Sukan, M., Barnaba, C., Bernardi, P., Bertoni, M., Bressan, G., Compagno, A., Del Negro, E., Di Bartolomeo, P., Fabris, P., Garbin, M., Grossi, M., Magrin, A., Magrin, E., Pesaresi, D., Petrovic, B., Linares, M.P.P., Romanelli, M., Snidarci, A., Tunini, L., Urban, S., Venturini, E., Parolai, S. The OGS northeastern Italy seismic and deformation network: Current status and outlook (2021) *Seismological Research Letters*, 92 (3), pp. 1704-1716.
- 12) Pagani, M., Garcia-Pelaez, J., Gee, R., Johnson, K., Poggi, V., Silva, V., Simionato, M., Styron, R., Viganò, D., Danciu, L., Monelli, D., Weatherill, G. The 2018 version of the Global Earthquake Model: Hazard component (2020) *Earthquake Spectra*, 36 (1_suppl), pp. 226-251.
- 13) Manea, E.F., Cioflan, C.O., Coman, A., Michel, C., Poggi, V., Fäh, D. Estimating Geophysical Bedrock Depth Using Single Station Analysis and Geophysical Data in the Extra-Carpathian Area of Romania (2020) *Pure and Applied Geophysics*, 177 (10), pp. 4829-4844.
- 14) Lai, C.G., Poggi, V., Famà, A., Zuccolo, E., Bozzoni, F., Meisina, C., Boni, R., Martelli, L., Massa, M., Mascandola, C., Petronio, L., Affatato, A., Baradello, L., Castaldini, D., Cosentini, R.M. An inter-disciplinary and multi-scale approach to assess the spatial variability of ground motion for seismic microzonation: the case study of Cavezzo municipality in Northern Italy (2020) *Engineering Geology*, 274, art. no. 105722.
- 15) Pecchioli, L., Panzera, F., Poggi, V. Cultural heritage and earthquakes: bridging the gap between geophysics, archaeoseismology and engineering (2020) *Journal of Seismology*, 24 (4), pp. 725-728.
- 16) Grigoratos, I., Poggi, V., Danciu, L., Rojo, G. An updated parametric catalog of historical earthquakes around the Dead Sea Transform Fault Zone (2020) *Journal of Seismology*, 24 (4), pp. 803-832.
- 17) Poggi, V., Garcia-Peláez, J., Styron, R., Pagani, M., Gee, R. A probabilistic seismic hazard model for North Africa (2020) *Bulletin of Earthquake Engineering*, 18 (7), pp. 2917-2951.
- 18) Holt, J., Edwards, B., Poggi, V. Scenario-dependent site effects for the determination of

- unbiased local magnitude (2019) *Bulletin of the Seismological Society of America*, 109 (6), pp. 2658-2673.
- 19) Poggi, V., Edwards, B., Fäh, D. Development of hazard- and amplification-consistent elastic design spectra (2019) *Soil Dynamics and Earthquake Engineering*, 126, art. no. 105118.
 - 20) Mascandola, C., Massa, M., Barani, S., Albarello, D., Lovati, S., Martelli, L., Poggi, V. Mapping the seismic bedrock of the po plain (Italy) through ambient-vibration monitoring (2019) *Bulletin of the Seismological Society of America*, 109 (1), pp. 164-177.
 - 21) Lai, C.G., Conca, D., Famà, A., Özcebe, A.G., Zuccolo, E., Bozzoni, F., Meisina, C., Boni, R., Poggi, V., Cosentini, R.M. Mapping the liquefaction hazard at different geographical scales (2019) *Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions- Proceedings of the 7th International Conference on Earthquake Geotechnical Engineering*, 2019, pp. 691-704.
 - 22) Adly, A., Danciu, L., Fäh, D., Poggi, V., Omran, A., Hassoup, A. Probabilistic seismic hazard model for Cairo, Egypt: estimates and uncertainties (2018) *Bulletin of Earthquake Engineering*, 16 (12), pp. 5697-5733.
 - 23) Foti, S., Hollender, F., Garofalo, F., Albarello, D., Asten, M., Bard, P.-Y., Comina, C., Comou, C., Cox, B., Di Giulio, G., Forbriger, T., Hayashi, K., Lunedei, E., Martin, A., Mercerat, D., Ohrnberger, M., Poggi, V., Renalier, F., Sicilia, D., Socco, V. Guidelines for the good practice of surface wave analysis: a product of the InterPACIFIC project (2018) *Bulletin of Earthquake Engineering*, 16 (6), pp. 2367-2420.
 - 24) Poggi, V., Durrheim, R., Tuluka, G.M., Weatherill, G., Gee, R., Pagani, M., Nyblade, A., Delvaux, D. Assessing seismic hazard of the East African Rift: a pilot study from GEM and AfricaArray (2017) *Bulletin of Earthquake Engineering*, 15 (11), pp. 4499-4529.
 - 25) Poggi, V., Burjanek, J., Michel, C., Fäh, D. Seismic site-response characterization of high-velocity sites using advanced geophysical techniques: Application to the NAGRA-Net (2017) *Geophysical Journal International*, 210 (2), pp. 645-659.
 - 26) Adly, A., Poggi, V., Fäh, D., Hassoup, A., Omran, A. Combining active and passive seismic methods for the characterization of urban sites in Cairo, Egypt (2017) *Geophysical Journal International*, 210 (1), pp. 428-442.
 - 27) Poggi, V., Edwards, B., Fäh, D. A comparative analysis of site-specific response spectral amplification models (2017) *Physics and Chemistry of the Earth*, 98, pp. 16-26.
 - 28) Manea, E.F., Michel, C., Poggi, V., Fäh, D., Radulian, M., Balan, F.S. Improving the shear wave velocity structure beneath Bucharest (Romania) using ambient vibrations (2016) *Geophysical Journal International*, 207 (2), art. no. ggw306, pp. 848-861.
 - 29) Garofalo, F., Foti, S., Hollender, F., Bard, P.Y., Comou, C., Cox, B.R., Ohrnberger, M., Sicilia, D., Asten, M., Di Giulio, G., Forbriger, T., Guillier, B., Hayashi, K., Martin, A., Matsushima, S., Mercerat, D., Poggi, V., Yamanaka, H. InterPACIFIC project: Comparison of invasive and non-invasive methods for seismic site characterization. Part I: Intra-comparison of surface wave methods (2016) *Soil Dynamics and Earthquake Engineering*, 82, pp. 222-240.
 - 30) Woessner, J., Laurentiu, D., Giardini, D., Crowley, H., Cotton, F., Grünthal, G., Valensise, G., Arvidsson, R., Basili, R., Demircioglu, M.B., Hiemer, S., Meletti, C., Musson, R.W., Rovida, A.N., Sesetyan, K., Stucchi, M., Anastasiadis, A., Akkar, S., Engin Bal, I., Barba, S., Bard, P.-Y., Beauval, C., Bolliger, M., Bosse, C., Bonjour, C., Bungum, H., Carafa, M., Cameelbeeck, T., Carvalho, A., Campos-Costa, A., Coelho, E., Colombi, M., D'amico, V., Devoti, R., Drouet, S., Douglas, J., Edwards, B., Erdik, M., Fäh, D., Fonseca, J., Fotopoulou, S., Glavatovic, B., Gómez Capera, A.A., Hauser, J., Husson, F., Kastelic, V., Kästli, P., Karatzetzou, A., Kaviris, G., Keller, N., Kierulf, H.P., Kouskouna, V., Krishnamurthy, R., Lang, D., Lemoine, A., Lindholm, C., Makropoulos, K., Manakou, M., Marmureanu, G., Martinelli, F., Garcia Mayordomo, J., Mihaljevic, J., Monelli, D., Garcia-Moreno, D., Nemser, E., Pagani, M., Pinho, R., Pisani, A.R., Pitilakis, D., Pitilakis, K., Poggi, V., Radulian, M., Riga, E., Sandikkaya, M.A., Segou, M., Siegert, R., Silva, V., Stromeyer, D., Sousa, L., Sørensen, M.B., Tellez-Arenas, A., Vanneste, K., Wahlstöm, R., Weatherill, G., Viganò, D., Vilanova, S., Yenier, E., Zulfikar, C., Adams, J., Bommer, J.J., Bonilla, F., Faccioli, E., Gülen, L., Koller, M., Pinto, A., Pinto, P., Papaioannou, C., Peruzza, L., Scherbaum, F., Scotti, O., Stirling, M., Theodoulidis, N., Wenk, T., Zschau, J., The SHARE Consortium The 2013 European Seismic Hazard Model: key components and results (2015) *Bulletin of Earthquake Engineering*, 13 (12), pp. 3553-3596.
 - 31) Dal Moro, G., Keller, L., Poggi, V. A comprehensive seismic characterisation via multi-component analysis of active and passive data (2015) *First Break*, 33 (9), pp. 45-53.
 - 32) Michel, C., Edwards, B., Poggi, V., Burjánek, J., Roten, D., Cauzzi, C., Fäh, D. Assessment of site effects in alpine regions through systematic site characterization of seismic stations (2014) *Bulletin of the Seismological Society of America*, 104 (6), pp. 2809-2826.
 - 33) Poggi, V., Ermert, L., Burjanek, J., Michel, C., Fäh, D. Modal analysis of 2-D sedimentary basin from frequency domain decomposition of ambient vibration array recordings (2014) *Geophysical Journal International*, 200 (1), pp. 615-626.
 - 34) Ermert, L., Poggi, V., Burjánek, J., Fäh, D. Fundamental and higher two-dimensional resonance modes of an Alpine valley (2014) *Geophysical Journal International*, 198 (2), pp.

- 795-811.
- 35) Poggi, V., Edwards, B., Fäh, D. Reference S-wave velocity profile and attenuation models for ground-motion prediction equations: Application to Japan (2013) *Bulletin of the Seismological Society of America*, 103 (5), pp. 2645-2656.
 - 36) Edwards, B., Michel, C., Poggi, V., Fäh, D. Determination of site amplification from regional seismicity: Application to the Swiss national seismic networks (2013) *Seismological Research Letters*, 84 (4), pp. 611-621.
 - 37) Poggi, V., Fäh, D., Giardini, D. Time-Frequency-Wavenumber Analysis of Surface Waves Using the Continuous Wavelet Transform (2013) *Pure and Applied Geophysics*, 170 (3), pp. 319-335.
 - 38) Poggi, V., Edwards, B., Fäh, D. Characterizing the vertical-to-horizontal ratio of ground motion at soft-sediment sites (2012) *Bulletin of the Seismological Society of America*, 102 (6), pp. 2741-2756.
 - 39) Poggi, V., Fäh, D., Burjanek, J., Giardini, D. The use of Rayleigh-wave ellipticity for site-specific hazard assessment and microzonation: Application to the city of Lucerne, Switzerland (2012) *Geophysical Journal International*, 188 (3), pp. 1154-1172.
 - 40) Edwards, B., Poggi, V., Fäh, D. A predictive equation for the vertical-to-horizontal ratio of ground motion at rock sites based on shear-wave velocity profiles from Japan and Switzerland (2011) *Bulletin of the Seismological Society of America*, 101 (6), pp. 2998-3019.
 - 41) Poggi, V., Edwards, B., Fäh, D. Derivation of a reference shear-wave velocity model from empirical site amplification (2011) *Bulletin of the Seismological Society of America*, 101 (1), pp. 258-274.
 - 42) Bard, P.-Y., Cadet, H., Endrun, B., Hobiger, M., Renalier, F., Theodulidis, N., Ohrnberger, M., Fäh, D., Sabetta, F., Teves-Costa, P., Duval, A.-M., Cornou, C., Guillier, B., Wathelet, M., Savvaidis, A., Köhler, A., Burjanek, J., Poggi, V., Gassner-Stamm, G., Havenith, H.B., Hailemikael, S., Almeida, J., Rodrigues, I., Veludo, I., Lacave, C., Thomassin, S., Kristekova, M. From Non-invasive Site Characterization to Site Amplification: Recent Advances in the Use of Ambient Vibration Measurements (2010) *Geotechnical, Geological and Earthquake Engineering*, 17, pp. 105-123.
 - 43) Burjánek, J., Gassner-Stamm, G., Poggi, V., Moore, J.R., Fäh, D. Ambient vibration analysis of an unstable mountain slope (2010) *Geophysical Journal International*, 180 (2), pp. 820-828.
 - 44) Poggi, V., Fäh, D. Estimating Rayleigh wave particle motion from three-component array analysis of ambient vibrations (2010) *Geophysical Journal International*, 180 (1), pp. 251-267.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Udine, 24 July 2024
Poggi Valerio