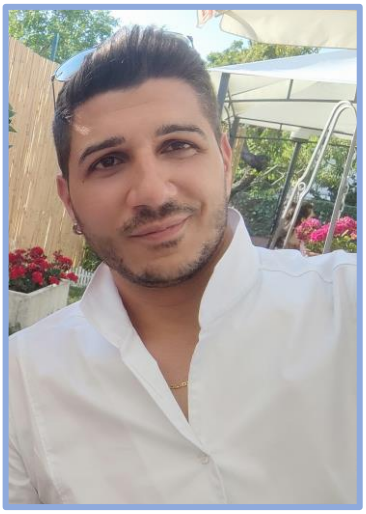
SIMONE BELLO, PH.D.

Post-Doc Researcher



University G. d'Annunzio – via dei Vestini 31, 66100 Chieti – Italy https://www.unich.it/

CRUST member https://www.crust.unich.it/

Date of birth: 13 September 1990 – Citizenship: Italian

Languages: Italian (native language) – English (advanced) – French (basic)

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Scopus : publications = 12 h-index = 7 citations = 271 ID: 57201214924

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Remote Pilot Certificate ITA-RP-016241

Contents

1. Scientific interests

Active Tectonics, Structural Geology, Earthquake Geology and Seismotectonics, Field Geology approached with classic techniques and modern technologies.

2. Higher Education

30 Nov 2021: **Graduation to Professional Geologist** (Italian legislation license to practice as geologist).

23 June 2021: Doctor of Philosophy in Earthquake & Environmental Hazards with the Additional Title of **International Doctor** and recognition of Laude.

23 June 2021: **Ph.D.** *cum laude* in Earthquake & Environmental Hazards - School of Advanced Studies "G. D'Annunzio" – Via dei Vestini 31, 66100 Chieti (Italy) https://www.disputer.unich.it/eeh-phd;
Title of the thesis: "*High-resolution surface faulting data analysis and interpretation of normal active fault earthquakes: case studies from the Apennines of Italy and from the Basin and Range Province of USA*."

09 October 2017: **Master's degree** in Geological Sciences & Technologies **-** full mark 110/110 *cum laude* - Department of Engineering & Geology - Università G. d'Annunzio, Chieti – Pescara (Italy) https://www.ingeo.unich.it/;
Title of the thesis: "*The Irpinia 1980 earthquake: a 3D interpretation from new field evidence and seismological data*".

08 October 2014: **Bachelor's degree** in Geological Sciences - Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

3. Digital skills

Unmanned Aerial Vehicles data acquisition, Microsoft Office, Corel, Adobe, Move (Petex Ltd), ArcGis, QGis, Agisoft Metashape

4. Employment

2022-2023 – Present: **Subject Expert** ("Cultore della Materia" of the Italian legislation) at the Faculty of Structural Geology at the University of Chieti – Pescara.

01 March 2023 – present: **Research Fellow** 04/A GEO/03 with the project "Analisi morfotettonica e strutturale ad alta risoluzione di faglie attive in Appennino centro-meridionale per la ricostruzione di modelli quantitativi geometrici e cinematici", (High-resolution morphotectonic and structural analysis of active faults in southern Apennines for the reconstruction of geometric and kinematic quantitative models).
Affiliation: DiSPuTer - University G. d'Annunzio, Chieti – Pescara (Italy).
Financial support: DPC (Dipartimento della Protezione Civile – Presidenza del Consiglio dei Ministri).
Funds responsible: Prof. Rita de Nardis.

01 March 2021 – 1 March 2023: **Research Fellow** 04/A GEO/03 with the project "Analisi morfotettonica e strutturale ad alta risoluzione di faglie attive in Appennino centro-meridionale per la ricostruzione di modelli quantitativi geometrici e cinematici", (High-resolution morphotectonic and structural analysis of active faults in southern Apennines for the reconstruction of geometric and kinematic quantitative models).
Affiliation: DiSPuTer - University G. d'Annunzio, Chieti – Pescara (Italy).
Financial support: PRIN2017 (scientific research Programs of Relevant National Interest).
Funds responsible: Prof. Giusy Lavecchia.

01 November 2017 – 23 June 2021: **Ph.D.** student in Earthquake & Environmental Hazards - School of Advanced Studies "G. D'Annunzio" – Via dei Vestini 31, 66100 Chieti (Italy) https://www.disputer.unich.it/eeh-phd;

5. National/international research projects

- 09 November 2022 – present: **Scientific Responsible** for a Work-Package of a project admitted for funding on November 9, 2022 by the USGS (United States Geological Survey) on the basis of a competitive call with peer review.
  Title of the Project selected for funding: "Constraining Coseismic Surface Displacement and Fault Slip from Topographic Differencing for the 1983 M6.9 Borah Peak, Idaho, Earthquake".
  Specific role: Head of the "Topographic Differencing" Work-Package.
  Funded: $54,534
- 22 March 2018 – present: Member of the "Long-term and active tectonics" working group (WG-A) within a **PRIN** (scientific research Programs of Relevant National Interest) project.
  Title of the Project: "Overtime tectonic, dynamic and rheologic control on destructive multiple seismic events - Special Italian Faults & Earthquakes: from real 4D cases to models" leaded by Prof. Giusy Lavecchia.

6. Teaching activities

6.1. Ph.D. Courses

Academic year 2022/2023*:* **Lecturer** *(10 hours)*, taught at the Ph.D. course in "Geosciences" at the School of Advanced Studies G. d'Annunzio (Italy).

Academic year 2021/2022*:* **Lecturer** *(10 hours)*, taught at the Ph.D. course in "Earthquake and Environmental Hazards" at the School of Advanced Studies G. d'Annunzio (Italy).

Academic year 2020/2021*:* **Lecturer** *(10 hours)*, taught at the Ph.D. course in "Earthquake and Environmental Hazards" at the School of Advanced Studies G. d'Annunzio (Italy).

6.2. Bachelor's and Master's Degree Courses

Academic year 2022/2023*: 3 CFU (30 hours)* **teaching**, class of "Structural Geology", Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

Academic year 2021/2022*: 3 CFU (30 hours)* **teaching**, class of "Tectonics", Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

Academic year 2020/2021*: 3 CFU (30 hours)* **teaching**, class of "Tectonics", Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

Academic year 2019/2020*: 3 CFU (30 hours)* **teaching**, class of "Tectonics", Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

Academic year 2019/2020*: 2 CFU (20 hours)* **teaching**, class of "Geologic mapping" (Rilevamento Geologico), taught at the Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy) by Prof. Francesco Brozzetti.

26 May – 2 June 2019: **field teaching assistant**, tectonic structures related to the volcanic complexes of Lanzarote island (Spain) - Class of Volcanology, curriculum in "Geo-materials for environmental and cultural heritage" – Master's Degree in Geological Sciences and Technologies of Earth and Planets, Chieti (Italy).

Academic year 2018/2019*: 3 CFU (30 hours)* **teaching**, class of "Tectonics", Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

March 2016 – February 2017: **teaching**, class of "Geologic mapping" (Rilevamento Geologico), taught at the Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy) by Prof. Francesco Brozzetti.

7. Visiting positions

January – December 2019: Visiting researcher - School of Earth and Space Exploration – Arizona State University.

8. Honors and Awards

2022-2023: Nominated "Subject Expert" (Cultore della Materia) of Structural Geology by the Department of Engineering & Geology - University G. d'Annunzio, Chieti – Pescara (Italy).

January 2023: Winner of the "Fabrizia Arduini" Award, consisting of an economic contribution of € 2,000.00, for highly qualified Ph.D theses of the 33rd and 34th cycle judged "*cum laude*" by the final Examining Commission. The award is granted by the Department of Psychological, Health and Territory Sciences (DiSPuTer) of the G. d'Annunzio University.

June 2021: Recognition of Laude and of the additional title of International Doctor, after the proclamation of Doctor of Philosophy in Earthquake and Environmental hazards

July 2019: Awarded with the second place at the BEST POSTER COMPETITION – CRUST workshop in memory of Giampaolo Pialli – Perugia 9–10 July 2019; Abstract title: "The 1983 Borah Peak earthquake (M_w 7.3, Io IX MCS) (Idaho - USA) - 3D architecture and seismotectonics".

September 2018: Awarded with a scholarship from the Italian Geological Society for the participation at the Joint Conference SGI-SIMP Catania 2018, for the presentation of the work: "*3d fault model of the Campania-Lucania (southern Italy) 1980 earthquake from new field evidence and seismological data*" (**Bello S.***, Lavecchia G., Scarpa R., Brozzetti F., Cirillo D. & Ferrarini F.)

09 October 2017: Awarded for the performance of a CRUST Master's Thesis, full mark 110/110 *cum laude.*

9. Service

9.1. University public roles held

2017 – 2021: **Ph.D. students' representative** in the Department of Psychological, Health and Territorial Sciences (DiSPUTer - https://www.disputer.unich.it).

2017 – 2021: **Member of the faculty board** as Ph.D. student's representative for the Ph.D. Course in Earthquake and Environmental Hazards – EEH (Art. 1.2.1. - EEH Internal Regulation - https://www.disputer.unich.it/eeh-phd/eeh-internal-regulation)

9.2. Outreach

21 January 2022 – present: Head of the Social Media and Communication Working Group at the degree course in Geological Sciences.

03 March 2021 – present: member of the **educational guidance committee** (commissione orientamento) for schools at the degree course in Geological Sciences.

22 November 2022: Member of the **organizing committee** of the 30th anniversary of the Degree Course in Geology at the G. d'Annunzio University of Chieti.

9.3. Editorial activities

- Editor of "Open Geosciences" journal (https://www.degruyter.com/journal/key/geo/html#editorial)
- Academic Editor of PLOS ONE (https://journals.plos.org/plosone/static/editorial-board)

9.4. Review activities

- Reviewer for Tectonophysics

- Reviewer for Natural Hazards and Earth System Sciences (EGU)
- Reviewer for Frontiers in Earth Sciences
- Reviewer for Geosciences
- Reviewer for Applied Sciences
- Journal of Asian Earth Sciences: X
- Remote Sensing

10. Membership to Societies or research groups

CRUST – (InterUniversity Center for 3D Seismotectonics with Territorial applications) https://www.crust.unich.it/

Geological Society of America https://www.geosociety.org/

Società Geologica Italiana https://www.socgeol.it/

Member of the Open EMERGEO Working Group (Active during the 2016 – 2017 Seismic Sequence in Central Italy)

11. Training courses and activities

17-19 June 2019: Lectures on «**Active faulting and topographic analysis**» taught by Professor J Ramón Arrowsmith (School of Earth and Space Exploration - Arizona State University, Tempe, U.S.A.) and Professor Federica Ferrarini (University G. d'Annunzio Chieti – Pescara, Italy).

2019 Spring semester: **Advanced Structural Geology** (SES 598) taught by Dr. Chelsea Scott and Prof. J Ramon Arrowsmith – Arizona State University (AZ – USA).

31 July 2018: Acquisition certificate 24 CFU for FIT registration - credits for teaching.

11-16 June 2018: **Advanced English Course** - Academic writing and speaking - Nazareth College of Rochester (USA) - Chieti (Italy).

23-24 April 2018: Training course H2020 - ERC - Scrittura di un progetto - APRE - Agenzia per la Promozione della Ricerca Europea.

23-24 April 2018: Training course H2020 - MSCA Marie Sklodowska-Curie Actions- APRE - Agenzia per la Promozione della Ricerca Europea.

August 2017 – December 2017: **trainee** for the digital mapping of the surface faulting produced by the Central Italy seismic sequence.

12. Collaborations

12.1. Major foreign collaborations

Prof. Ramon Arrowsmith, Arizona State University (USA)

Prof. Gerald Roberts, University of London (UK)

Prof. Chelsea Scott, Arizona State University (USA)

Prof. Joanna Faure Walker (UK)

12.2. Major Italian collaborations

Prof. Massimiliano R. Barchi, Università Degli Studi Di Perugia

Prof. Francesco Brozzetti, Università degli Studi G. d'Annunzio, Chieti-Pescara

Dr. Marco Cattaneo, INGV Ancona

Dr. Giancarlo Monachesi, INGV Ancona

Prof. Carmelo Monaco, Università di Catania – INGV Osservatorio Etneo

Prof. Rita de Nardis, Università degli Studi G. d'Annunzio, Chieti-Pescara

Prof. Federica Ferrarini, Università degli Studi G. d'Annunzio, Chieti-Pescara

Prof. Giusy Lavecchia, Università degli Studi G. d'Annunzio, Chieti-Pescara

Prof. Barbara Orecchio, Università degli studi di Messina

Prof. Debora Presti, Università degli studi di Messina

Prof. Roberto Scarpa, Università "E.R. Caianiello", Salerno

13. National and International Conferences and Workshops

13.1. Organization

FieldTrip: MUSE 4D ITINERANT WORKSHOP

Role: Main Leader

Title: "*A geological tour across some of the most destructive southern Apennines's earthquakes (Italy) from Campania-Lucania to Calabria*"

Participating institutions: CRUST; Università G. d'Annunzio Chieti-Pescara; Università di Catania; INGV, Rome; INGV, Osservatorio Etneo - Sezione di Catania; Università di Napoli Federico II; Università degli Studi di Urbino Carlo Bo; Università di Messina; Università degli Studi di Perugia.

13.2. Participation

(*= speaker; ***= invited speaker)

EGU 2023 (23-28 April, Vienna, Austra):

- de Nardis R.*, Pandolfi C., Cattaneo M., Monachesi G., Cirillo C., Ferrarini F., **Bello S.**, Brozzetti F., & Lavecchia G. *"Geometry and stress interaction of a complex lithospheric-scale thrust system as unveiled by background seismicity and moderate seismic sequences - the Marche-Adriatic case (eastern Central Italy)".*

GNGTS 2023 (07-09 February, Bologna, Italy):

- **Bello S.*****
  "*The Borah Peak Earthquake and the Lost River Fault (Idaho, Mw 6.9): A Case Study for Earthquake Geology and Seismogenesis"*
- **Bello S.***, Perna M. G., Consalvo A., Brozzetti F., Galli P., Cirillo D., Andrenacci C., Tangari A. C., Carducci A., Menichetti M., Lavecchia G., Stoppa F., Rosatelli G.
  "Investigating past earthquakes with Rare Earth Elements and high-resolution topography: a multidisciplinary approach applied along the Caggiano fault (southern Apennines, Italy)"
- de Nardis R., Pietrolungo F., Pandolfi C., **Bello S.**, Talone D., Lavecchia G.
  "The 2022 compressional seismic sequence (M_w 5.5): another piece of information to the 3D seismotectonic fault model of the Marche-Adriatic offshore area (Italy)"

TSG - Tectonics Studies Group AGM 2023 (10-12 January, Leeds, United Kingdom):

- **Bello S.***
  "Morphotectonic anatomy and segmentation pattern of the 1983, M_w 6.9 Borah Peak earthquake (Idaho, USA)"
- Pietrolungo F.*, Lavecchia G., Pandolfi C., **Bello S.**, Talone D., & de Nardis R.
  "The November 9, 2022, compressional seismic sequence (M_w 5.5)- another piece of information to the 3D seismotectonic fault model of the coastal Marche-Adriatic offshore area (Italy)"

GeoEarth-2022 (22-23 September, Barcelona, Spain):

- **Bello S.*****
  "*QUIN 1.0: a QUaternary fault strain INdicators database from Italy*."

SGI-SIMP 2022 (19-21 September, Turin, Italy):

- Adinolfi G.M.*, De Matteis R., **Bello S.**, Garofalo A. & Lavecchia G.
  "*A recent, low-magnitude seismic sequence in the epicentral area of Ms 6.9, 1980 Irpinia earthquake"*
- Andrenacci C.*, **Bello S.**, Barbano M.S., Carducci A., Pirrotta C., Pietrolungo F. & Lavecchia G.
  "*A reappraisal of macroseismic data with statistical analysis for the strongest Calabrian earthquakes of the XVIII to XX centuries (southern Italy)"*
- Cirillo D.*, Totaro C., Lavecchia G., Orecchio B., de Nardis R., Presti D., Ferrarini F., **Bello S.** & Brozzetti F.
  "*3D fault model building and seismic potential in the Pollino area (Calabria–Basilicata, southern Italy)"*
- Lavecchia G., **Bello S.***, Andrenacci C., Cirillo D., Ferrarini F., De Nardis R. & Brozzetti F.
  "QUaternary fault strain INdicators database - QUIN 1.0 - first release from the Apennines of central Italy"

GNGTS 2022 (27-29 June, Trieste, Italy):

- **Bello S.***, Lavecchia G., Andrenacci C., Ercoli M., Cirillo D., Carboni F., Barchi M. R. & Brozzetti F.
  "*Unveiling trans-ridge en-echelon fault patterns possibly responsible for the 1857 Basilicata earthquake (Mw 7.2)"*
- Lavecchia G., **Bello S.***, Andrenacci C., Cirillo D., Ferrarini F., De Nardis R. & Brozzetti F.

"A regional collection of fault/slip data and associated strain parameters for the intra-Apennine extensional belt of central Italy"

BeGeo Scientists 2021 (7-10 October, Naples, Italy):

- **Bello S.***, Andrenacci C., Cirillo D., Scott C.P.
  "*Segmentation pattern and morphotectonic anatomy of the 1983, Mw 6.9 Borah Peak earthquake (Idaho, USA)*".

SGI 2021 (16 September, "Geology without borders"):

- **Bello S.***, Andrenacci C., Cirillo D., Scott C.P., Brozzetti F., Arrowsmith J.R. & Lavecchia G.
  "*High detail fault segmentation: deep insight into the anatomy of the 1983 Borah Peak earthquake rupture zone (Mw 6.9, Idaho, USA)*".

INGV, 23 November 2020:

- **Bello S.*** -** invited speaker at the "TERREMOTO80: scienza, memoria, testimonianza" Webinar – Istituto Nazionale di Geofisica e Vulcanologia (INGV) with the video "*Il terremoto Campano-Lucano del 1980* - il video dei risultati di una ricerca dell'Università di Chieti, a cura di Simone Bello" (http://terremoto80.ingv.it/terremoto-e-scienza/).

Webinar, 23 November 2020:

- **Bello S.*** -** invited speaker at the "*FATE PRESTO: 40 anni dopo*" – Salerno.

GSA – Geological Society of America – 2020 (26-30 October, Connects Online):

- **Bello S.***, Scott C., Ferrarini F., Lavecchia G., Arrowsmith J R.
  "*Dense surface faulting data for the study of coseismic and long-term extensional rupture: the case of the Lost River Fault (Idaho, USA)*"

GSA – Geological Society of America 2019 (22-25 September Phoenix, Arizona, USA):

- **Bello S.***, Lavecchia G., Arrowsmith J R., De Nardis R., Brozzetti F., Cirillo D., Ferrarini F.
  "*A new 3D interpretation of the Irpinia 1980 earthquake (M_w 6.9, Italy) fault system: 40 years later*".

SCEC (Southern California Earthquake Center) 2019 (7-11 September, Palm Springs, California, USA):

- **Bello S.***, Arrowsmith J R, Scott C., Lavecchia G., Scott T., Cirillo D., De Nardis R., Ferrarini F.
  "*The 1983 Borah Peak earthquake (M_w 6.9, Io IX MCS) (Idaho - USA) - 3D architecture and seismotectonics from field observations and high-resolution topography integrated with seismological data along the Lost River fault (LRF)*".

CRUST workshop 2019 (in memory of Giampaolo Pialli) - (9-10 July, Perugia, Italy):

- **Bello S.***, Arrowsmith J R., Scott C., Scott T.
  "*The 1983 Borah Peak earthquake (M_w 7.3, Io IX MCS) (Idaho - USA) - 3D architecture and seismotectonics*".

SGI-SIMP 2018 (12-14 September, Catania, Italy):

- **Bello S.***, Lavecchia G., Scarpa R., Brozzetti F., Cirillo D. & Ferrarini F.
  "*3d fault model of the Campania-Lucania (southern Italy) 1980 earthquake from new field evidence and seismological data*".
- Scarpa R.*, Lavecchia G., Di Lieto B., Romano P., **Bello S.** & Brozzetti F.
  "*Rupture mechanism of the Campania-Lucania (southern Italy) 1980 earthquake inferred from seismological and geodetic data*".
- Brozzetti F.*, Cirillo D., Boncio P., Ferrarini F., de Nardis R., Testa A., **Bello S.** & Lavecchia G.
  "*Field image of a foreshock-mainshock pair: the Amatrice (M_w 6.0) - Norcia (M_w 6.5) 2016 earthquakes case (central Italy)*".

EGU 2017 (23-28 April, Vienna, Austra):

- D. Pantosti & the Open EMERGEO Working Group Team (2017)
  "*The Surface faulting produced by the 30 October 2016 Mw 6.5 Central Italy earthquake: the Open EMERGEO Working Group experience*". Geophysical Research Abstracts Vol. 19, EGU2017-14161-2, 2017 EGU General Assembly 2017.

SGI 2016 (7-9 September, Naples, Italy):

- Lavecchia G.*, Brozzetti F., De Nardis R., Cirillo D., Ferrarini F., Boncio P., **Bello S.**, Minafra A., Vicentini N.
  "*The Accumoli 2016 Earthquake: Coseismic surface fractures and seismotectonic framework*".

14. Publications

14.1 Refereed publications

(*= corresponding author)

2023 **Bello S**.*, Perna M.G., Consalvo A., Brozzetti F., Galli P., Cirillo D., Andrenacci C., tangari A.C., Carducci A., Menichetti M., Lavecchia G., Stoppa F., Rosatelli G. "Coupling rare earth elements analyses and high-resolution topography along fault scarps to investigate past earthquakes: a case study from southern Apennines (Italy)" **Geosphere** (under review)

2023 Rosatelli G.*, Castorina F., Consalvo A., Brozzetti F., Ciavardelli D., Perna M. G., Bell K., **Bello S.**, Stoppa F. "Elemental abundances and isotopic composition of Italian limestones: glimpses into the evolution of the Tethys" **Journal of Asian Earth Sciences: X**. https://doi.org/10.1016/j.jaesx.2023.100136

2022 de Nardis R.*, Pandolfi C., Cattaneo M., Monachesi G., Cirillo D., Ferrarini F., **Bello S**., Brozzetti F., Lavecchia G. "Lithospheric double shear zone unveiled by microseismicity in a region of slow deformation" **Scientific Reports** 12, 21066. https://doi.org/10.1038/s41598-022-24903-1

2022 Cirillo D.*, Cerritelli F., Agostini S., **Bello S**., Lavecchia G., Brozzetti F. "Post-Processing Kinematic (PPK)–Structure-from-Motion (SfM) with Unmanned Aerial Vehicle (UAV) Photogrammetry and Digital Field Mapping for Structural Geological Analysis" **ISPRS Int. J. Geo-Inf.** 11, 437. https://doi.org/10.3390/ijgi11080437

2022 **Bello S**.*, Lavecchia G., Andrenacci C., Ercoli M., Cirillo D., Carboni F., Barchi M. R., Brozzetti F. "Complex trans-ridge normal faults controlling large earthquakes" **Scientific Reports** 12, 10676 https://doi.org/10.1038/s41598-022-14406-4

2022 Lavecchia G., **Bello S**.*, Andrenacci C., Cirillo D., Ferrarini F., Vicentini N., de Nardis R., Roberts G., Brozzetti F. "QUaternary fault strain INdicators database - QUIN 1.0 - first release from the Apennines of central Italy," **Sci Data** 9, 204. https://doi.org/10.1038/s41597-022-01311-8

2022 **Bello S**.*, Andrenacci C., Cirillo D., Scott C.P., Brozzetti F., Arrowsmith J R., Lavecchia G. "High-detail fault segmentation: Deep insight into the anatomy of the 1983 Borah Peak earthquake rupture zone (M_w 6.9, Idaho, USA)", **Lithosphere** 2022 (1): 8100224. https://doi.org/10.2113/2022/8100224

2022 Cirillo D.*, Totaro C., Lavecchia G., Orecchio B., de Nardis R., Presti D., Ferrarini F., **Bello S**., Brozzetti F.* "Structural complexities and tectonic barriers controlling recent seismic activity in the Pollino area (Calabria-Lucania, southern Italy) - constraints from stress inversion and 3D fault model building", **Solid Earth**. Vol. 13, No. 1, 205 – 228. https://doi.org/10.5194/se-13-205-2022

2021 **Bello S**.*, Scott C.P., Ferrarini F., Brozzetti F., Scott T., Cirillo D. de Nardis R., Arrowsmith J R., Lavecchia G. "High-resolution surface faulting from the 1983 Idaho Lost River Fault Mw 6.9 earthquake and previous events", **Sci Data** 8, 68. https://doi.org/10.1038/s41597-021-00838-6

2021 **Bello S.***, de Nardis R., Scarpa R., Brozzetti F., Cirillo D., Ferrarini F., di Lieto B., Arrowsmith J R., Lavecchia G. Fault Pattern and Seismotectonic Style of the Campania – Lucania 1980 Earthquake (Mw 6.9, Southern Italy): New Multidisciplinary Constraints. **Front. Earth Sci.** 8:608063. https://doi.org/10.3389/feart.2020.608063

2018 Villani F.*… **S. Bello**, et al. A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy. **Sci. Data** 5:180049. https://doi.org/10.1038/sdata.2018.49

2018 Civico R.* … **S. Bello**, et al. Surface ruptures following the 30 October 2016 Mw 6.5 Norcia earthquake, central Italy. **Journal of Maps**, 14, 2, 151–160. https://doi.org/1010.1080/17445647.2018.1441756

14.2. Book Chapters

(*= corresponding author)

2021 Lavecchia G., de Nardis R.*, Ferrarini F., Cirillo D., **Bello S.**, Brozzetti F. "Regional seismotectonic zonation of hydrocarbon fields in active thrust belts: a case study from Italy" in Building knowledge for geohazard assessment and management in the Caucasus and other orogenic regions. Editors F. L. Bonali, F. Pasquaré Mariotto, N. Tsereteli (the Netherlands: Springer). https://doi.org/10.1007/978-94-024-2046-3

14.3. Data and Tools publications

(* = corresponding author)

2021 Andrenacci C., **Bello S.***, de Nardis R., & Lavecchia G. (**2021**) *FAULT-STRIATION PAIR ANALYSIS (F-SPA) Tool.* Zenodo. https://doi.org/10.5281/zenodo.5603992

2021 Lavecchia G., **Bello, S.***, Andrenacci C., Cirillo D., Ferrarini F., Vicentini N., de Nardis R. & Brozzetti F. (**2021**). *Host Faults Database of central Italy [Data set].* Zenodo. https://doi.org/10.5281/zenodo.5603004

2021 Lavecchia G., **Bello, S.***, Andrenacci C., Cirillo D., Ferrarini F., Vicentini N., de Nardis R., Brozzetti F. (**2021**). *QUaternary fault strain INdicators database: QUIN 1.0 - first release from the Apennines of central Italy.* PANGAEA, https://doi.pangaea.de/10.1594/PANGAEA.934802

2020 Scott, C., **Bello, S.***, & Ferrarini, F. (**2020**): *Matlab algorithm for systematic vertical separation measurements of tectonic fault scarps.* Zenodo. http://doi.org/10.5281/zenodo.4247586

2020 **Bello, S.***, Scott, C. P., Ferrarini, F., Brozzetti, F., Scott, T., Cirillo, D., De Nardis, R., Arrowsmith, J R., Lavecchia, G. (**2020**): *Database of vertical separation measurements along the Lost River Fault (Idaho - USA) from 1983 Mw 6.9 earthquake ruptures and Quaternary fault scarps*. Pangaea https://doi.org/10.1594/PANGAEA.921027

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