europass Curriculum vitae

PERSONAL INFORMATION

Nicola D'Agostino

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Sex Male | Date of birth 15/03/1964 | Nationality Italian

POSITION

Senjor Researcher, Istituto Nazionale Geofisica Vulcanologia

WORK EXPERIENCE

01/02/2004–Present
Senjor Researcher
Istituto Nazionale Geofisica Vulcanologia, Roma (Italy)

01/03/2002–01/02/2004
Researcher
Istituto Nazionale Geofisica Vulcanologia, Roma (Italy)

1999–2002
Assistant Resercher
University Roma Tre, Roma (Italy)

EDUCATION AND TRAINING

1992
Laurea in Scienze Geologiche
Università La Sapienza, Roma (Italy)

1998
PhD in Earth Sciences
Università la Sapienza, Roma (Italy)

1998–2001
Post-Doc
NASA Jet Propulsion Laboratory, Pasadena (USA)

1998
Post-Doc
Bullard Laboratories, University of Cambridge (UK)

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1		
francesee	B1	B1	A2	A2	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user			

Digital skills - Self-assessment grid

- Linux-Unix systems
- fortran, GMT, matlab

ADDITIONAL INFORMATION

Invited Seminars (from 2012)

- 30/11/2012: "Spatio-temporal distribution of tectonic strain accumulation and release in Italy from few years of geodesy and 400 years of seismicity" Univ. Oxford, Dept. Earth Sciences.
- 25/11/2013: "Complete seismic release of tectonic deformation and frequency of Mw>6.5 earthquakes in the Apennines " Univ. Durham, Institute of Hazard, Risk and Resilience
- 12/02/2014: "Gravitational flow of the Calabrian Arc and plate motion of the Ionian Sea", Univ. Cambridge, Bullard Labs
- 14/05/2014: "The contribution of dense GPS velocity field to seismic hazard assessment", EPPO (Earthquake Planning and Protection Organization), Athens
- 26/11/2014: "Complete seismic release of tectonic deformation and earthquake recurrence in the Apennines (Italy)", GNGTS, Bologna (Italy)
- 20/04/2016: "Complete seismic release of tectonic deformation and earthquake recurrence in the Apennines (Italy)", Seismological Society of America 2016 Annual Meeting, Reno.
- EWF Seminars Alma Aty
- 22/12/2016 "Tectonic and Hydrologic applications of Global Positioning System", Univ. Benevento
- 14/03/2017 "Transient deformation of karst aquifers", Univ. Napoli, Dept. Physics
- 11/05/2017 "The evolving relationship between earthquake science and society in Italy", Earthquakes Without Frontiers Workshop, University of Oxford, Dept. Earth Sciences.

Memberships

- American Geophysical Union
- Seismological Society of America

Honours and awards

2000 Fulbright Fellowship (post-doc at JPL, Pasadena)

Visiting Professor

- IsTerre Grenoble, May-July 2018.
- Ecole Normale Superieure Paris, March 2010.

Session and Conference Organization

- AGU 2017 Fall Meeting, New Orleans, G53B Hydrological Signals in Geodetic Data. Primary Convener.
- EGU 2018 General Assembly, Vienna, G3.6/SM2.20 Transients detection and modeling in geophysical time series. Co-Convener.
- Wegener 19th Assembly, Grenoble. Scientific Committee.

Review and evaluation activity

- Reviewer for Basin Research, BSSA, EPSL, G3, Geology, GJI, GRL, IJES, Journal, Geological Soc. London, Journal Geoddynamics, JGR, Journal of Seismology, Journal of Structural Geology, Tectonics, Tectonophysics
- Proposal reviewer for Agencie National de la Recherche (ANR, France), ERC Starting Grants, FIRB 2013/2015, Fulbright Fellowship, HRZZ (Croatian Science Foundation), NSERC (National Sciences and Engineering Research Council of Canada), VQR 2011- 2014.

Teaching

- 2001: Tectonics Geomorphology, Dipartimento Sc. Geologiche, Università Roma Tre
- 2007-2013: Seismotectonics of the Mediterranean area and the contribution of space geodesy, Doctoral School of Geodynamics, Dipartimento Sc. Geologiche, Università Roma Tre
- 2009: Seismology and Seismic Risk, Dipartimento Sc. Geologiche, Università Roma Tre
- 2010: Seismology and Seismic Risk, Dipartimento Sc. Geologiche, Università Roma Tre
- 2011: Seismology and Seismic Risk, Dipartimento Sc. Geologiche, Università Roma Tre
- 2013: Seismology and Seismic Risk, Dipartimento Sc. Geologiche, Università Roma Tre
- 2016: Seismology and Geodesy, Dipartimento Sc. Geologiche, Università Roma Tre

Supervising student and post-docs

- Elisabetta D'Anastasio (Laurea in Scienze Geologiche)
- Sergio Mantenuto (Laurea in Scienze Geologiche, and PhD)
- Daniele Cheloni (Laurea in Science Geologiche and PhD)
- Francesca Silverii (Laurea in Physics and Phd in Geophysics)
- Marianne Métois (post-doc)

Evaluation committee

- 2010: Michele Di Marcello (PhD Evaluation Committee; Ecole Normale Superieure Paris)
- 2015: Anne Soquet (Habilitation à Diriger des recherches de l'Université de Grenoble)
- 2017: Jim Tesson (PhD Evaluation Committee; CEREGE Aix en Provence)

Publications

- Devoti R., N. D'Agostino, E. Serpelloni, G. Pietrantonio, et al.(2017), A Combined Velocity Field of the Mediterranean Region, ANNALS OF GEOPHYSICS, 60, 2, 2017, S0217; doi:10.4401/ag-7059.
- Cheloni D., N. D'Agostino, G. Selvaggi, A. Avallone, G. Fornaro, R. Giuliani, D. Reale, E. Sansosti, P. Tizzani (2017), Aseismic transient during the 2010-2014 seismic swarm: evidence for longer recurrence of M ≥ 6.5 earthquakes in the Pollino gap (Southern Italy)?, Sci. Rep. 2017; 7(1): e576. Doi: 10.1038/s41598-017-00649-z.
- Avallone A., D. Latorre, E. Serpelloni, A. Cavaliere, A. Herrero, G. Cecere, N. D'Agostino et al., (2016), Coseismic displacement waveforms for the 2016 August 24 Mw 6.0 Amatrice earthquake (central Italy) carried out from High-Rate GPS data, ANNALS OF GEOPHYSICS, 59, FAST TRACK 5, 2016; DOI: 10.4401/ag-7275
- *Cheloni D., E. Serpelloni, R. Devoti, N. D'Agostino et al. (2016),* GPS observations of coseis-mic deformation following the 2016, August 24, Mw 6 Amatrice earth- quake (central Italy): data, analysis and preliminary fault model, ANNALS OF GEOPHYSICS, 59, FAST TRACK 5, 2016; DOI: 10.4401/ag-7269
- Silverii, F., N. D'Agostino, M. Métois, F. Fiorillo, and G. Ventafridda (2016), Transient deformation of karst aquifers due to seasonal and multiyear groundwater variations observed by GPS in southern Apennines (Italy), J. Geophys. Res. Solid Earth, 121, doi:10.1002/2016JB013361.
- Cheloni D., R. Giuliani, N. D'Agostino, M. Mattone, M. Bonano, G. Fornaro, R. Lanari, D. Reale, and S. Atzori (2016), New insights into fault activation and stress transfer between en echelon thrusts: the 2012 Emilia, Northern Italy, earthquake sequence, J. Geophys. Res. Solid Earth, 121, doi:10.1002/2016JB012823.
- Métois M., N D'Agostino, A Avallone, N Chamot□Rooke, A Rabaute, L Duni, et al (2015), Insights on continental collisional processes from GPS data: Dynamics of the peri□Adriatic belts, Journal of Geophysical Research: Solid Earth 120 (12), 8701-8719
- Silverii, F.; Cheloni, D.; D'Agostino, N.; et al. (2014), Post-seismic slip of the 2011 Tohoku-Oki earthquake from GPS observations: implications for depth-dependent properties of subduction megathrusts GEOPHYSICAL JOURNAL INTERNATIONAL, 198, 1, 580-596.
- Fornaro, G., N D'Agostino, R Giuliani, C Noviello, D Reale, S Verde (2014), Assimilation of GPS-Derived Atmospheric Propagation Delay in DInSAR Data Processing, IEEE Geoscience & Remote Sensing Society, 8 , 2, 784 – 799.
- D'Agostino N., P England, I Hunstad, G Selvaggi (2014), Gravitational potential energy and active deformation in the Apennines, Earth and Planetary Science Letters 397, 121-132
- Cheloni, D.; Giuliani, R.; D'Anastasio, E.; et al. (2014), Coseismic and post-seismic slip of the 2009

L'Aquila (central Italy) M-w 6.3 earthquake and implications for seismic potential along the Campotosto fault from joint inversion of high-precision levelling, InSAR and GPS data; TECTONOPHYSICS , 622, 168-185.

- Cheloni, D.; D'Agostino, N.; Selvaggi, G. (2014) Interseismic coupling, seismic potential, and earthquake recurrence on the southern front of the Eastern Alps (NE Italy) JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH , 119, 5, 4448-4468.
- D'Agostino, N. (2014) Complete seismic release of tectonic strain and earthquake recurrence in the Apennines (Italy) GEOPHYSICAL RESEARCH LETTERS, 41, 4, 1155-1162.
- Cheloni, D.; D'Agostino, N.; D'Anastasio, E.; et al. (2012). Reassessment of the source of the 1976 Friuli, NE Italy, earthquake sequence from the joint inversion of high-precision levelling and triangulation data GEOPHYSICAL JOURNAL INTERNATIONAL , 190, 2, 1279-1294.
- D'Agostino, N.; Cheloni, D.; Fornaro, G.; et al. (2012), Space-time distribution of afterslip following the 2009 L'Aquila earthquake, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH , 117, Article Number: B02402.
- Romano, F., A Piatanesi, S Lorito, N D'Agostino, K Hirata, S Atzori, (2012), Clues from joint inversion of tsunami and geodetic data of the 2011 Tohoku-oki earthquake, *Scientific Reports* 2, Article number: 385 doi:10.1038/srep00385.
- Serpelloni, Enrico; Anderlini, Letizia; Avallone, Antonio; et al. (2012), GPS observations of coseismic deformation following the May 20 and 29, 2012, Emilia seismic events (northern Italy): data, analysis and preliminary models, ANNALS OF GEOPHYSICS , 55 , 4 , 759-766.
- D'Agostino, Nicola; D'Anastasio, Elisabetta; Gervasi, Anna; et al. (2011), Forearc extension and slow rollback of the Calabrian Arc from GPS measurements, GEOPHYSICAL RESEARCH LETTERS , 38, Article Number: L17304.
- D'Agostino, Nicola; Mantenuto, Sergio; D'Anastasio, Elisabetta; et al. (2011), Evidence for localized active extension in the central Apennines (Italy) from global positioning system observations, GEOLOGY , 39, 4, 291-294.
- Avallone, A.; Marzario, M.; Cirella, A.; et al. (2011), Very high rate (10 Hz) GPS seismology for moderate-magnitude earthquakes: The case of the M-w 6.3 L'Aquila (central Italy) event JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH , 116 ,Article Number: B02305.
- Cheloni, D.; D'Agostino, N.; D'Anastasio, E.; et al. (2010), Coseismic and initial post-seismic slip of the 2009 M-w 6.3 L'Aquila earthquake, Italy, from GPS measurements, GEOPHYSICAL JOURNAL INTERNATIONAL , 181, 3, 1539-1546.
- Avallone, Antonio; Selvaggi, Giulio; D'Anastasio, Elisabetta; et al. (2010), The RING network: improvements to a GPS velocity field in the central Mediterranean, ANNALS OF GEOPHYSICS, 53, 2 , 39-54.
- D'Agostino, N.; Mantenuto, S.; D'Anastasio, E.; et al. (2009), Contemporary crustal extension in the Umbria-Marche Apennines from regional CGPS networks and comparison between geodetic and seismic deformation, TECTONOPHYSICS, 476, 1-2 Special , SI, 3-12.
- Walters, R. J.; Elliott, J. R.; D'Agostino, N.; et al. (2009), The 2009 L'Aquila earthquake (central Italy): A source mechanism and implications for seismic hazard, GEOPHYSICAL RESEARCH LETTERS , 36, Article Number: L17312.
- Giuliani, R.; D'Agostino, N.; D'Anastasio, E.; et al. (2009), Active crustal extension and strain accumulation from GPS data in the Molise region (central-southern Apennines, Italy), BOLLETTINO DI GEOFISICA TEORICA ED APPLICATA, 50, 2, 145-156.
- D'Agostino, N.; Avallone, A.; Cheloni, D.; et al. (2008), Active tectonics of the Adriatic region from GPS and earthquake slip vectors, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 113,B12, Article Number: B12413.
- Mattei, M.; Cifelli, F.; D'Agostino, N. (2007), The evolution of the Calabrian Arc: Evidence from paleomagnetic and GPS observations, EARTH AND PLANETARY SCIENCE LETTERS, 263, 3-4, 259-274.
- Giuliani, R.; Anzidei, M.; Bonci, L.; et al. (2007), Co-seismic displacements associated to the Molise (Southern Italy) earthquake sequence of October-November 2002 inferred from GPS measurements, TECTONOPHYSICS , 432 , 1-4 , 21-35.
- D'Agostino, N; Cheloni, D; Mantenuto, S; et al. (2005), Strain accumulation in the southern Alps (NE Italy) and deformation at the northeastern boundary of Adria observed by CGPS measurements, GEOPHYSICAL RESEARCH LETTERS, 32,19, Article Number: L19306.
- D'Agostino, N; Selvaggi, G. (2004), Crustal motion along the Eurasia-Nubia plate boundary in the

Calabrian Arc and Sicily and active extension in the Messina Straits from GPS measurements, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 109, B11, Article Number: B11402.

- Mattei, Massimo; D'Agostino, Nicola; Faccenna, Claudio; et al. (2004), Some remarks on the geodynamics of the Italian region, PERIODICO DI MINERALOGIA , 73 Special , 1 , 7-27.
- Mattei, M; D'Agostino, N; Zananiri, I; et al. (2004), Tectonic evolution of fault-bounded continental blocks: Comparison of paleomagnetic and GPS data in the Corinth and Megara basins (Greece), JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 109, B2 Article Number: B02106.
- Bartolini, C; D'Agostino, N; Dramis, F (2003), Topography, exhumation, and drainage network evolution of the Apennines, EPISODES, 26, 3 , 212-216.
- Hunstad, I; Selvaggi, G; D'Agostino, N; et al. (2003), Geodetic strain in peninsular Italy between 1875 and 2001, GEOPHYSICAL RESEARCH LETTERS, 30 , 4 ,Article Number: 1181.
- D'Agostino, N; Jackson, JA; Dramis, F; et al. (2001), Interactions between mantle upwelling, drainage evolution and active normal faulting: an example from the central Apennines (Italy), GEOPHYSICAL JOURNAL INTERNATIONAL, 147, 2, 475-497.
- D'Agostino, N; Giuliani, R; Mattone, M; et al. (2001), Active crustal extension in the central Apennines (Italy) inferred from GPS measurements in the interval 1994-1999, GEOPHYSICAL RESEARCH LETTERS, 28, 10, 2121-2124.
- D'Agostino, N; McKenzie, D. (1999), Convective support of long-wavelength topography in the Apennines (Italy), TERRA NOVA , 11, 5, 234-238.
- Doglioni, C; D'Agostino, N; Mariotti, (1998), Normal faulting vs regional subsidence and sedimentation rate, MARINE AND PETROLEUM GEOLOGY, 15, 8, 737-750.
- D'Agostino, N; Chamot Rooke, N; Funiciello, R; et al. (1998), The role of pre-existing thrust faults and topography on the styles of extension in the Gran Sasso range (central Italy), TECTONOPHYSICS, 292, 3-4, 229-254.