

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	VIOLANTE CRESCENZO
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Nationality	Italian
Date of Birth	-/-/-
Gender	Male

WORK EXPERIENCE

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| • Dates | 17-24 November 2024 |
| • Main activities and responsibilities | CNR Short Term Mobility at the Institute for Mediterranean Studies (IMS) - Rethymno, Crete, Greece - Geophysics Laboratory - Satellite Remote Sensing and Archaeo-Environmental (GeoSat ReSeArch Lab). |
| • Dates | April 2024 – present |
| • Main activities and responsibilities | Scientific coordinator of a research agreement with the Superintendence of Archaeology, Fine Arts, and Landscape for the Metropolitan Area of Naples entitled: "Geophysical and Geoarchaeological Technologies for the Documentation, Monitoring, and Enjoyment of Marine and Coastal Cultural Heritage." |
| • Dates | February 2024 – present |
| • Main activities and responsibilities | Research project entitled "Infiniti Mondi Napoli Innovation City" Ministerial Decree of August 12, 2022 - PSC MISE 2014-2020. Collaboration agreement for the implementation of the project prot. CNR-ISPC 107583/2023 of 11.04.2023, CUP B67F23000000008. WP3 Experimentation and technology transfer. |
| • Dates | February 2024 – present |
| • Main activities and responsibilities | Scientific coordinator of a research agreement with the Superintendence of the Sea of the Region of Sicily entitled: "Marine geophysical methodologies, underwater acoustic remote sensing, and geoarchaeological research for the documentation, monitoring, and enjoyment of underwater cultural heritage." |
| • Dates | February 2023 – present |
| • Main activities and responsibilities | Scientific coordinator of the RUSH project "Remote sensing of underwater cultural heritage," United Nations Decade of Ocean Science for Sustainable Development 2021-2030. |
| • Dates | May 2022 – present |
| • Main activities and responsibilities | Member of the Faculty Board of the National Doctorate in Heritage Science. Curriculum 5 - Global History and Archaeology of Landscapes. |

• Dates • Name and address of the employer • Main activities and responsibilities	October 2022 – present Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy Partecipazione a progetto ARCHE, Alliance for Research on Cultural Heritage in Europe Grant Agreement No. 101060054, CUP B63C22002320005. WP2 ARCHE Strategic Research and Innovation Agenda e WP5 Dissemination and promotion.
• Dates • Main activities and responsibilities	December 2022 – present Project PE00000020 “Cultural Heritage Active Innovation for Sustainable Society (CHANGES)” CUP B53C22003890006 - Partnerships extended to universities, research centers, and companies for the financing of basic research projects; spoke 5 wp1, wp2, and wp3.
• Dates • Main activities and responsibilities	November 2021 – November 2022 Scientific advisor for MOLAB Transnational Access programme within the EU H2020 Project IPERION HS, contract no. 871034 - Integrating on-land and shallow marine geophysical investigations to detect buried archeological features in a coastal area. The Roman site of Baiae, Phlegrean Fields Archaeological Park (Naples, Italy).
• Dates • Name and address of the employer • Main activities and responsibilities	November 2022 – present Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy Responsible for INAIL accident reporting at the Institute of Cultural Heritage Sciences – Naples.
• Dates • Name and address of the employer • Main activities and responsibilities	November 2022 - November 2023 Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy Treasurer of the Institute of Cultural Heritage Sciences – Naples.
• Dates • Name and address of the employer • Main activities and responsibilities	January - december 2021 Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy PROSIT project “PROgettare in Sostenibilità qualificazione e digitalizzazione in edilizia” (Designing for Sustainability: Qualification and Digitization in Construction) POR Campania FESR 2014/2020 O.S. 1.2 Action 1.2.2 High-tech districts, clusters, and laboratories – Public-private partnerships.
• Dates • Main activities and responsibilities	June 2021 – May 2022 MeSAP project – DGA – Multidisciplinary Archaeological Research Project in Maasser El-Shouf – Qalaat El-Hosn- Italian Ministry of Culture
• Dates • Name and address of the employer • Main activities and responsibilities	March 2021 – February 2022 Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy Responsible for research unit. European program on” Sustainable Management of Cultural Heritage in the Balkans in response to climate change (SMACH)” - Central European Initiative (CEI).
• Dates • Name and address of the employer • Main activities and responsibilities	April 2021 – present Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy Contact person for ISPC_CNR for Rete-Creo CNR, focusing on coordinated communication and dissemination activities, as well as planning of and participation in projects and events.
• Dates • Name and address of the employer	May 2020 – present Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy

• Main activities and responsibilities	Referent for the Underwater Acoustic Remote Sensing Laboratory at the Institute of Cultural Heritage Sciences (ISPC) of the National Research Council (CNR) - Naples office.
• Dates	October 2020 – present
• Main activities and responsibilities	Scientific co-ordinator of a research agreement with the Phlegraean Fields Archaeological Park. Geophysical and geo-environmental technologies for the monitoring, use, and conservation of submerged archaeological heritage at the submerged site of Baia.
• Dates	September 2020 – December 2022
• Main activities and responsibilities	IDEHA project: Innovations for data processing in the Cultural Heritage sector. AXIS II – Cluster 12 Specialization Areas ARS01_00421” - PON “R&I” Program 2014-2020.
• Dates	October 2020 – present
• Main activities and responsibilities	Responsible for managing Microsoft product licenses at the Institute of Cultural Heritage Sciences.
• Dates	October 2019 – present
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Heritage Science (ISPC) Via cardinale Guglielmo Sanfelice, 18 Naples, Italy
• Occupation or position held	Full-time researcher
• Main activities and responsibilities	Internal security manager
• Dates	September 2018 – October 2019
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Marine Science (ISMAR), Calata Porta di Massa, Naples, Italy
• Occupation or position held	Full-time researcher
• Main activities and responsibilities	Leading the Laboratory of Marine Geophysics
• Dates	September 2001- September 2018
• Name and address of the employer	Italian National Research Council (CNR) - Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
• Occupation or position held	Full-time researcher
• Main activities and responsibilities	Leading the Laboratory of Marine Geophysics
• Dates	September 2008 – October 2018
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
• Main activities and responsibilities	Coordinator of a CNR working group on: “Use of the Side Scan Sonar system to the physical characterization of the seabed”
• Dates	May 2012 – November 2015
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
• Main activities and responsibilities	Member of a CNR_ISPRA working group on: “Seismogenic faults and seismic effects”
• Dates	March 2011 – October 2018
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
• Main activities and responsibilities	Scientific Coordinator of CNR Research Unit on Early-warning for landslides triggered by rainfall. SESAMO. Regional Operative Programme - POR Project.
• Dates	July 2009 – January 2015
• Name and address of the employer	Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
• Main activities and responsibilities	Scientific Coordinator of a Subtask on: Coastal/marine ecosystem classification and mapping with particular reference to Mediterranean Sea: integrating national level works in the global GEOSS approach. GEO Group on Earth Observation.

- Dates **July 2009 – January 2015**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Scientific Coordinator of a Subtask on: Protected Areas Assessment and Monitoring (GEO PAAM): Contribution to Protected areas assessment and monitoring: The Costiera Amalfitana Management Plan (Southern Italy), a tool to combine physical environment and land cover for decision-making within a UNESCO World Heritage Site. GEO Group on Earth Observation.
- Dates **April 2011 – June 2015**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Scientific coordinator of the PON_MONICA project Innovative monitoring for Coastal and Marine Environment.
- Dates **June 2006 – June 2013**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities CNR alternate delegate for the Integrated Ocean Drilling Program (IODP) Italian group.
- Dates **September 2012 – November 2013**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Scientific advisor for the Geological Survey of Italy/Land Protection and Georesources Department –ISPRA for realization and computerization of a map on "Marine Landscape and Habitat of the Cilento and Vallo di Diano Alburni National Park"
- Dates **May 2012 – october 2013**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Consultant for Tecno Bios s.r.l, Benevento for the realization of seafloor maps and databases that illustrate the distribution of benthic habitats of organisms potentially usable for the extraction of bioactive substances.
- Dates **January 2011 – March 2013**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Member of "Cabina di regia" for Rete Natura 2000 of Basilicata Region, Italy for "Geophysical surveys and ecological seafloor characterization of Marine SICs (marine Sites of Community interest) in the Basilicata Region (Italy).
- Dates **July 2008 – October 2010**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Coordinator of a CNR research unit for the European University Center for Cultural Heritage at Ravello (Salerno, Italy) for a project on: "The Costiera Amalfitana Management Plan (Southern Italy), UNESCO World Heritage Site".
- Dates **February 2008 – December 2012**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Coordinator of a Research Group on: "Geological processes, risk and resources in the Coastal Zone" - International Association for Engineering Geology and the Environment – Italian Group.
- Dates **February 2008 – December 2012**
- Name and address of the employer Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
- Main activities and responsibilities Coordinator of a CNR unit in the European Project EU-IP-GOCE 036992 SPICOSA – Science and Policy Integration for Coastal Systems Assessment.

- Dates
- Name and address of the employer
- Main activities and responsibilities

April 2009

Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
Coordinator of a CNR working group commissioned by the Civil Defence to carry out technical and scientific activities in the context of emergency of the L'Aquila earthquake, April 6, 2009

- Dates
- Name and address of the employer
- Main activities and responsibilities

April 2009

Italian National Research Council (CNR)- Institute of Coastal Marine Environment (IAMC), Calata Porta di Massa, Naples, Italy
Coordinator of a CNR working group commissioned by the Civil Defence to carry out technical and scientific activities in the context of emergency of the L'Aquila earthquake, April 6, 2009

EDUCATION AND TRAINING

- Dates
- Name and type of organisation providing education and training
 - Title of qualification awarded

1995-1999

University Consortium of Bologna, Ferrara, Naples e Parma

PhD in Earth Science

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded

1992-1993

Boston University, Boston MA, USA.

Sedimentology, Biology and Geology

Scholarship for specialization abroad on Geology

- Dates
- Name and type of organisation providing education and training
 - Title of qualification awarded

1991

State Examinations Office, University of Naples "Federico II"

Qualification as Professional Geologist

- Dates
- Name and type of organisation providing education and training
 - Title of qualification awarded

1985-1989

University of Naples "Federico II", Naples Italy

University degree in Geological Science

PERSONAL SKILLS AND COMPETENCES

NATIVE LANGUAGE

ITALIAN

OTHER LANGUAGE

ENGLISH

- Reading skills
- Writing skills
- Oral expression skills

EXCELLENT

EXCELLENT

EXCELLENT

SOCIAL SKILLS
AND COMPETENCES

Team work: I have worked in various research teams.

Mediating skills: I work between young researchers and participate to different commissions.

Intercultural skills: I have worked in different laboratories in Europe as well as in USA

ORGANISATIONAL SKILLS AND COMPETENCES	Tutoring of students for their bachelor degrees and PhD. Main researcher of national and international projects Coordination of several research groups and commissions Leading of several oceanographic cruises in the Mediterranean Chairing and organization of scientific congresses
TECHNICAL SKILLS AND COMPETENCES	Geophysical techniques Geological survey and analysis Geomorphological analysis Teaching Good command of quality control processes
DRIVING LICENCE(S)	B

ANNEXES

ANNEX 1: LIST OF SCIENTIFIC PUBLICATIONS
 ANNEX 2: LIST OF BOOKS
 ANNEX 3: LIST OF TECHNICAL REPORTS
 ANNEX 4: LIST OF OCEANOGRAPHIC CRUISES
 ANNEX 5: LIST OF THEMATIC MAPS
 ANNEX 6: TEACHING AND TUTORING ACTIVITY

Annex 1

Violante Crescenzo

Scientific Publications

- Violante C., Abate N., Fanini B., Ferdani D., Gallochio E., Masini N., Pagano A., Pagano F., Miliani C. (2025) Tecnologie geofisiche ad altissima risoluzione per la ricerca archeologica nel Parco Sommerso di Baia: nuove opportunità per la mappatura, il monitoraggio e la comunicazione del patrimonio culturale subacqueo. *L'Archeologo Subacqueo*, in stampa.
- Violante C., Gallochio E., Pagano F. (2025) First results from sub-seafloor archaeological investigation in the submerged Roman site of Baiae (Naples, Italy) using Parametric Echo Sounder (PES). 1st International Conference of Mediterranean Harbour & Coastal Archaeology. Honor Frost Foundation Research Publication Series: Honor Frost Foundation Research Publication In press.
- Violante C., Abate N., Ferdani D., Gallochio E., Masini N., Pagano A., Pagano F., (2025) 3D Acoustic remote sensing mapping of the underwater cultural heritage in the marine protected area of Baia submerged park (bay of Pozzuoli, southern Italy). *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLVIII-2/W10-2025, 303–308, <https://doi.org/10.5194/isprs-archives-XLVIII-2-W10-2025-303-2025>, 2025.
- Abate, N., Violante, C., Masini, N. (2024) A Semi-Automatic-Based Approach to the Extraction of Underwater Archaeological Features from Ultra-High-Resolution Bathymetric Data: The Case of the Submerged Baia Archaeological Park. *Remote Sens.* 2024, 16, 1908. <https://doi.org/10.3390/rs16111908>.
- de Alteris G., Violante C., Pepe F. (2024) Deep-seated gravity instability of the southern apron of the Ischia volcanic island (Tyrrhenian Sea, Italy). *Journal of Volcanology and Geothermal Research* 453 (2024) 108148. <https://doi.org/10.1016/j.jvolgeores.2024.108148>.
- Palombini, A., Lucarini, G., Rosati, P., Violante, C. (2024) Opening Up the Sea: A Novel Methodological Approach to Display Mediterranean Shoreline Evolution. *Proceedings* 2024, 96, 14. <https://doi.org/10.3390/proceedings2024096014V>
- Violante C., Gallochio E., Pagano F., Papadopoulos N. (2023) Geophysical and geoarchaeological investigations in the Submerged Archaeological Park of Baia (south Italy). *Proc. of IMEKO Int. Conf. on Metrology for Arch. and Cult. Herit.*, Rome, October 19-21, 886-891. ISBN 978-92-990090-6-2.
- Papadopoulos N., Violante C., Oikonomou D., Kritikakis G. (2023) Coastal and shallow marine geophysical investigations in the Roman site of Baia in Naples, Italy. *Proc. of IMEKO Int. Conf. on Metrology for Arch. and Cult. Herit.*, Rome, October 19- 21, 908-912. ISBN 978-92-990090-6-2.
- Violante, C. (2022). Invisible landscapes: a journey beneath the sea in the Bay of Naples, Italy. In: Vitali, G. & Zoppi, I.M. (eds). *CNR case histories in the Blue Planet Economy* (pp. 79-86). Quaderni IRCrES 16. Moncalieri, TO: CNR-IRCRES. <http://dx.doi.org/10.23760/2499-6661.2022.16.12>.
- Giordano L., Buonocunto F.P., Ferraro L., Milia A., Violante C. (2022) The environmental function analysis: a promising tool to evaluate the coastal zone conservation potential, pp. 234-243 © 2022 Author(s), CC BY-NC-SA 4.0, <http://dx.doi.org/10.36253/979-12-215-0030-1.21>.
- Violante C. (2020) Acoustic remote sensing for seabed archaeology. *Proceedings of the International Conference on Metrology for Archaeology and Cultural Heritage*. Trento, Italy, October 22-24, 2020, 21-26. ISBN: 978-92-990084-9-2.
- Violante C. (2020) Computer-Aided Geomorphic Seabed Classification and Habitat Mapping at Punta Licosa MPA, Southern Italy. In: Gervasi O. et al. (eds) *Computational Science and Its Applications – ICCSA 2020*. ICCSA 2020. *Lecture Notes in Computer Science*, vol. 12250, 681-695. Springer, Cham. https://doi.org/10.1007/978-3-030-58802-1_49
- Violante C., De Lauro M., Esposito E. (2020) Fine-scale seabed habitats off Capri Island, southern Italy. In: Peter T. Harris and Elaine K. Baker (Eds.) *Seafloor Geomorphology as Benthic Habitat*. *GeoHAB Atlas of Seafloor Geomorphic Features and Benthic Habitats*. Second Edition. Elsevier, 439-450. DOI: <https://doi.org/10.1016/B978-0-12-814960-7.00023-3>. ISBN: 978-0-12-814960-7.
- D'Angelo, S., Stefano F., Fiorentino A., Lettieri, M.A., Russo, G., Violante, C. (2020) Marine landscapes and habitats of Cilento Geopark (Italy). Linking geo- and bio- diversity with a multiscale approach. In: Peter T. Harris and Elaine K. Baker (Eds.) *Seafloor Geomorphology as Benthic Habitat*. *GeoHAB Atlas of seafloor geomorphic features and benthic habitats*. Second Edition, 421-437. Elsevier, DOI: <https://doi.org/10.1016/B978-0-12-814960-7.00023-3>, ISBN: 978-0-12-814960-7.
- Violante C., Buonocunto F., Esposito E., Ferraro L., Giordano L. (2019) The Submerged Cultural Landscape: Examples from the Bay of Naples. In: E. Fasano, A. Scamardella and V. Bucci (Eds.) *Nautical and Maritime Culture, from the Past to the Future*. *Proceedings of the 3rd International Conference on Nautical and Maritime Culture*. *Progress in Marine Science and Technology*, IOS Press, Vol. 3, 212-219. <https://doi.org/10.3233/PMST3>. ISSN: 2543-0963.
- Buonocunto F., Esposito E., Ferraro L., Giordano L., Violante C. (2019) The Marine and Coastal Landscape: Geological and Cultural Heritage. In: E. Fasano, A. Scamardella and V. Bucci (Eds.) *Nautical and Maritime Culture, from the Past to the Future*. *Proceedings of the 3rd International Conference on Nautical and Maritime Culture*. *Progress in Marine Science and Technology*, IOS Press, Vol. 3, 51-59. <https://doi.org/10.3233/PMST3>. ISSN: 2543-0963.
- Violante C., (2018) A geophysical approach to the fruition and protection of underwater cultural landscapes. Examples from the Bay of Napoli, southern Italy. In: Aveta, A., Marino, B.G., Amore R. (eds.), *La Baia di Napoli. Strategie per la conservazione e la fruizione del paesaggio culturale*. V. 1, 66-70. Artstudiopaparo, ISBN: 978-88-99130.
- Violante C., Esposito E., Tranfaglia G. and Braca G. (2017) Heavy Rains and Flash Floods at Rocky Coast. The Costiera Amalfitana (Southern Italy). M. Mikoš et al. (eds.), *Advancing Culture of Living with Landslides*, 4th World Landslide Forum, Ljubljana Slovenia, 329-336, https://doi.org/10.1007/978-3-319-53485-5_38.
- Violante C., Sacchi M., Spiess V. and Steinmann L. (2017) Seafloor response to large volcanic activity and geohazard implications in Naples bay, southern Italy. *Society of Underwater Technology (SUT)*, *Proceedings of the 8th International Conference on "Offshore Site Investigations and Geotechnics – Smarter Solution for Future Offshore Developments"*, Royal Geographical Society, London, UK, Vol 2, 265-275.

- Violante C., Braca G. C., Esposito E., Tranfaglia G. (2016) The 9 September 2010 torrential rain and flash flood in the Dragone catchment, Atrani, Amalfi Coast (southern Italy). *Nat. Hazards Earth Syst. Sci.*, 16: 333–348, <https://doi.org/10.5194/nhess-16-333-2016>.
- Violante C. (2015) I fondali della Basilicata Ionica. In: Giacanelli V., Guarino R., Menegoni P. and Pignatta, S., *Sistemi ambientali e Rete Natura 2000 della Regione Basilicata*, 1, Coste e rilievi costieri tirrenici. Zaccaria editore, 57-63.
- Violante C. (2015) Metodi geofisici per la valutazione e la protezione di risorse biotiche e abiotiche nelle Aree Marine Protette. Esempi dal margine tirrenico centrale e meridionale. In: Bertini A., Nicoletti, D., Russo, F., Vitolo, T. *Aree protette in Italia. Il caso della Campania*. Rubettino editore, 135-155. ISBN 978-88-496-4500-6.
- De Lauro, M. and Violante C. (2015) Caratterizzazione e mappatura di habitat bentonici: esempi dall'offshore settentrionale dell'Isola di Capri (Golfo di Napoli, Tirreno meridionale). *Oceanografia Operativa e Tecnologie Informatiche per la sicurezza Marittima*, IAMC - Istituto per l'Ambiente Marino e Costiero, 206-2016.
- de Alteriis G., A. Santolo di Scotto, F. L. Chiocci, M. Ramondini, and C. Violante (2014) The Case of Ischia Underwater Debris Avalanche (Italy, Tyrrhenian Sea) and Its High Mobility. In: G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 4*, https://doi.org/10.1007/978-3-319-08660-6_43
- Esposito E., Porfido S., Violante C., Tranfaglia G., Molisso F., Mazzola S., Sacchi S., Santoro S., Spiga S. (2014) The 1773 Cava de' Tirreni Flash Flood (Southern Italy), an Opportunity to Further Enhance the Use of Documentary Sources as Hazard and Risk Assessment. In: G. Lollino et al. (eds.), *Engineering Geology for Society and Territory – Volume 5*, https://doi.org/10.1007/978-3-319-09048-1_167
- Violante C. (2013) Coupling On-Land and Marine Investigations to Assess Coastal Instability in the Napoli and Salerno Bays (Campania, Southern Italy). In: C. Margottini et al. (eds.), *Landslide Science and Practice*, 5, 140-145. https://doi.org/10.1007/978-3-642-31427-8_17
- D'Angelo, S., Di Stefano, F. Fiorentino, A. Lettieri, M., Russo, G. & Violante, C. (2013) The map of the marine landscapes and habitats of Cilento, Vallo di Diano and Alburni Geopark. Linking geo- and bio- diversity with a multiscale approach. *Proceedings of the 12th European Geoparks Conference. National Park of Cilento, Vallo di Diano and Alburni Geopark – Italy 4-6 September 2013*
- Berlusconi A., Ferrario M.F., Livio F., Michetti A.M., Violante C., Esposito E., Porfido S., Fiaccavento P., Ripamonti L., Roncoroni M. (2013) Quaternary Faults and Seismic Hazard in the Lake Garda Area. *Ingegneria Sismica*, Anno XXX, 1, 10-35.
- Porfido S., Molisso F., Sacchi M., Violante C. (2013) Flood Historical Data for Flood Risk Estimation in Coastal Areas, Eastern Tyrrhenian Sea, Italy. In: C. Margottini et al. (eds.), *Landslide Science and Practice*, 5, 103-108. https://doi.org/10.1007/978-3-642-31427-8_13.
- Violante C., Esposito E., Porfido S., Sacchi M., Molisso F., Mazzola S. (2012) Debris - flows dominated fan delta system at Amalfi Coast, Southern Italy. *Rendiconti online della Società Geologica Italiana*, Volume 21, Fascicolo 1pp. 467 - 469
- Violante C., De Alteriis G., Pepe F., Mazzola S. Large deep - seated slump structure off Ischia volcanic island, Eastern Tyrrhenian sea (Italy) (2012) *Rendiconti online della Società Geologica Italiana*, Volume 21, Fascicolo 2, pp. 978 – 979.
- Violante C., Mazzola S. (2012) - Geophysical techniques for protection and management of marine habitat: example from the Campania offshore, Eastern Tyrrhenian Sea. *Proceeding of 7th EUREGEO - European congress on REgional GEOscientific cartography and Information systems*, Bologna 2012, 395-397.
- Violante C., de Alteriis G., Esposito E., Molisso F., Porfido S., Sacchi M. (2011) Coastal and Offshore Geohazard in the Bays of Napoli and Salerno (Campania, Southern Italy). In: Brugnoli E., Cavarretta G., Mazzola S., Trincardi F., Ravaioli M., Santoleri R (eds), *Marine Research at Cnr*, ISSN: 2239-5172 Volume DTA/06, CNR, 1664-1680.
- Esposito E., Porfido S., Violante C., Molisso F., Sacchi M., Santoro G., Spiga E. (2011) Flood Risk Estimation Through Document Sources Analysis : the Case of the Amalfi Rocky Coast. In: Brugnoli E., Cavarretta G., Mazzola S., Trincardi F., Ravaioli M., Santoleri R (eds), *Marine Research at Cnr*, ISSN: 2239-5172 Volume DTA/06, CNR, 979-991.
- Molisso F., Esposito E., Insinga D., Lubritto C., Porfido S., Sacchi M., Toth T., Violante C. (2011) Facies Analysis of Flood-Dominated Fan-Deltas Off the Amalfi Coast, Eastern Tyrrhenian Sea. In: Brugnoli E., Cavarretta G., Mazzola S., Trincardi F., Ravaioli M., Santoleri R (eds), *Marine Research at Cnr*, ISSN: 2239-5172 Volume DTA/06, CNR, 523-539.
- Porfido S., Esposito E., Violante C., Molisso F., Sacchi M., Spiga E. (2011) Earthquakes-Induced Environmental Effects in Coastal Area: Some Example in Calabria and Sicily (Southern Italy). In: Brugnoli E., Cavarretta G., Mazzola S., Trincardi F., Ravaioli M., Santoleri R (eds), *Marine Research at Cnr*, ISSN: 2239-5172 Volume DTA/06, CNR, 1803-1815.
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Annex 4: Oceanographic Cruises

27-31 October 2025. Offshore Sea campaign "MAGIE" MARine Geoarcheological Investigations in the Elounda Bay, Crete (Greece) with a parametric Sub-bottom system for the identification of buried landscapes and targets of archeological interest. Position held: Party Chief, Scientific director.

23-28 June 2025. Offshore Sea campaign "GAP" - Archaeological-geophysical surveys with a Ultra-high-resolution multibeam system for the documentation and digitization of the ancient submerged harbor of Aegina, Aegina Island, Greece. Position held: Party Chief, Scientific director.

06 November 2024. Offshore Sea campaign "ARCA" - Archaeological-geophysical surveys with a high-resolution multibeam system off the coast of Grotta Bianca" for the documentation and digitization of submerged archaeological evidence on the island of Capri. Position held: Party Chief, Scientific director.

15-19 May 2023 Offshore Sea campaign "MB-Baiae_2023" - Ultra-high resolution multibeam bathymetric surveys in the Marine Protected Area of Baia, Archaeological Park of the Phlegraean Fields (Naples)." Position held: Party Chief, Scientific director.

5-8 April 2021 - Offshore Sea campaign SuBaiae - "Integrating on-land and shallow marine geophysical investigations to detect buried archeological features in a coastal area in the Roman site of Baiae, Phlegraean Fields Archaeological Park (Naples, Italy). Position held: Party Chief, Scientific director.

10-14 November 2021 - Offshore Sea campaign "MB-Baiae_2021" - Ultra-high resolution multibeam bathymetric surveys in the Zone A of the Marine Protected Area of Baia, Phlaegraean Fields Archaeological Park (Naples)." Position held: Party Chief, Scientific director.

31 January - 10 February 2016 - CAFE_2015 Oceanographic Cruise. High-resolution multichannel seismic investigations in the Gulf of Pozzuoli. R/V MINERVA1-CNR.

Position held: Party Chief

26 September - 3 October 2015 - SELINUS_15 Oceanographic Cruise. Study of the slope instability in volcanic settings and of recent and active tectonics on selected areas of the eastern Tyrrhenian margin: Ischia Island Capo Vaticano offshore. R/V MINERVA1-CNR

Position held: Party Chief

12-21 August 2014 - SEASCAPE_2014 Oceanographic Cruise. Geological, geomorphological and sedimentological characterization of selected shelf - upper slope areas in the P. Campanella and P. Licosa Marine Protected Areas. R/V URANIA-CNR.

Position held: Party Chief

2-15 October 2012 - SEASCAPE_2012 Oceanographic Cruise: Geomorphological and sedimentological characterization of selected shelf - upper slope areas in the Gulf of Taranto and Saccia offshore (Graham and Terrible Banks) and of the major associated biologic communities. R/V URANIA-CNR.

Position held: Party Chief

1-10 September 2012 - Natura 2000 Basilicata Oceanographic Cruise. R/B IDROSFERA

Position held: Party Chief

28 February - 2 March 2010 - PERLA-G Oceanographic Cruise: High resolution morpho-bathymetric study of Lake Garda for the assessment of seismic hazard in the Lombardy Region (Northern Italy). Motovedetta GdF – CP862.

Position held: Party Chief

10-20 November 2010 - PECOS Oceanographic Cruise: Geological Hazard characterization resulting from tectonic and volcano-tectonic processes active in marine coastal areas of the Southern Tyrrhenian Sea. R/V URANIA-CNR.

Position held: Party Chief

7-8 March 2009 - AQUILA Oceanographic Cruise: High-resolution morphobathymetric study with Multibeam system of lake Sinizzo after the April-May 2009 Abruzzo seismic sequence (Central Italy). R/B BOMBO.

Position held: Party Chief

27 November – 19 January 2008 - CAFÉ Oceanographic Cruise: Drilling through an active caldera for geohazard purpose. Offshore Campi Flegrei, eastern Tyrrhenian margin. R/V URANIA-CNR.

Position held: Party Chief

1-19 January 2007 - GECO Oceanographic Cruise: Geological Hazard Assessment in the Gulfs of Naples and Salerno (Southern Tyrrhenian Sea): correlation with extreme events and tool for risk assessment in the Campania coastal area. R/V URANIA-CNR.

Position held: Party Chief

1-15 March 2005 - AMALFI_2005 Submerged Harbour Oceanographic Cruise. R/V JUNO.

Position held: Party Chief

10-20 June 2004 - AMALFI_2004 Oceanographic Cruise. R/V REDFISH.

Position held: Party Chief

13-25 May 2002 GEOSSED Oceanographic Cruise. R/V TETHIS - CNR.

Position held: Party Chief

1-15 January 2001 - GMS_01 Oceanographic Cruise: Study of the continental shelf between Gaeta and the island of Ischia (Southern Tyrrhenian Sea). R/V URANIA-CNR.

Position held: Party Chief

2 February – 13 March 2000 - BELL2 Oceanographic Cruise: Geomorphological study of the Punta Campanella marine protected area (Salerno, Southern Italy). R/V VETTORIA.

Position held: Party Chief

VIOLANTE CRESCENZO

ANNEX 5: Thematic maps

- 2013 Carta ufficiale dei paesaggi e habitat marini del Parco Nazionale del Cilento, Vallo di Diano e Alburni. Servizio Geologico Nazionale (ISPRA) e CNR.
- 2012 Carta del backscattering dei fondali della Basilicata Ionica a scala 1:5000 nell'ambito del progetto Rete Natura 2000 Basilicata.
- 2012 Carta della geologia superficiale dei fondali della Basilicata Ionica a scala 1:5000 nell'ambito del progetto Rete Natura 2000 Basilicata.
- 2012 Carta degli habitat bentonici della Basilicata Ionica a scala 1:5000 nell'ambito del progetto Rete Natura 2000 Basilicata.
- 2009 Mappa del Geohazard delle aree marino-costiere dei golfi di Napoli e Salerno. Scala 1:250.000. In: Violante C (ed) Geohazard in rocky coastal areas. G.S.I. Publ., 322, 1–31. ISBN 978-1-86239-282-3.
- 2007 Foglio Geologico 485 Termini (aree marine) scala 1:50.000. Progetto CARG per la cartografia geologica nazionale. Servizio Geologico Nazionale (ISPRA).
- 2006 Foglio Geologico 484 Capri (aree marine) scala 1:50.000. Progetto CARG per la cartografia geologica nazionale. Servizio Geologico Nazionale (ISPRA)
- 2005 Foglio Geologico 467 Salerno (aree marine) scala 1:50.000. Progetto CARG per la cartografia geologica nazionale. Servizio Geologico Nazionale (ISPRA)
- 2004 Carta geologica di Capri, Bocca Piccola e Punta Campanella (Italia meridionale). Scala 1:33.000. In: G. Pasquare and C. Venturini (Eds) Mapping Geology in Italy, APAT, Roma.
- 2003 Carta geologica delle Isole Flegree (Ischia e Procida, Italia meridionale). Scala 1:10.000. In: Gambi M.C., De Lauro M., Jannuzzi (eds). Ambiente marino costiero e territorio delle Isole Flegree (Ischia, Procida E Vivara – Golfo di Napoli). Risultato di uno studio multidisciplinare. Mem. Acc. Sc. Fisiche e Matematiche, vol. 5.
- 2001 Carta geologica di superficie dell'Area Marina Protetta di Punta Campanella (Salerno). Scala 1:10.000. Istituto di Ricerca Geomare sud, Napoli. Rapporto tecnico – RINT11.
- 2001 Carta geologica e geomorfologica della Baia dei Maronti (Ischia) scala 1:25.000. In: Indagini geologiche, geofisiche e sedimentologiche dei fondali della Baia dei Maronti (Isola d'Ischia). CNR, Ist. Ric, 'Geomare sud', Napoli, Vol. 1, 77pp, ISBN 88-86598-06-8.
- 2000 Mappa del backscattering dei fondali dell'Isola di Capri. Scala 1:5.000. Istituto di Ricerca Geomare sud, Napoli. Rapporto tecnico – RINT7.
- 2000 Mappa del backscattering dei fondali dell'Isola di Ischia e Procida. Scala 1:5.000. Istituto di Ricerca Geomare sud, Napoli. Rapporto tecnico – RINT8.
- 2000 Mappa del backscattering dei fondali dell'Isola di Ischia. Scala 1:5.000. Istituto di Ricerca Geomare sud, Napoli. Rapporto tecnico – RINT8.

VIOLANTE CRESCENZO
ANNEX 6: Teaching and Tutoring Activity

- 2023** - Co-supervisor of doctoral thesis within the National Doctorate in Heritage Science. Thesis title: The Roman ports of Altinum; Aquileia and Julia Concordia: organization and operation.
- 2023** - Co-supervisor of doctoral thesis within the National Doctorate in Heritage Science. Thesis title: Perceiving Absences: New Methods for Virtual Simulation of Archaeological Contexts. The case of the river landscape of Auser in Pisa during the Roman age.
- 2020** – Marine Geology Course - 18 hours – Specialization course at ITS FSE of Castellammare di Stabia for High Specialization Technician in Industrial Oceanography Applied to Marine Infrastructures - Campania Region 2014-2020
- 2020** – Marine Geophysics Course - 18 hours - Specialization course at ITS FSE of Castellammare di Stabia for High Specialization Technician in Industrial Oceanography Applied to Marine Infrastructures - Campania Region 2014-2020
- 2020** – Hydrographic Survey Course - 18 hours - Specialization course at ITS FSE of Castellammare di Stabia for High Specialization Technician in Industrial Oceanography Applied to Marine Infrastructures - Campania Region 2014-2020
- 2019** - Supervisor of Experimental Degree Thesis titled: Applications of Geophysical Methods and Techniques for Habitat Characterization and Mapping of Benthic Habitats. The example of Punta Campanella Marine Protected Area (NA). University of Naples Federico II - Department of Earth Sciences.
- 2018** - Teaching Subject: Geological Risk in Marine-Coastal Areas. School-Work Alternation Course. IAMC_CNR Naples and the University Center for Cultural Heritage of Ravello, from 11/10/2017 to 27/07/2018, total hours 70.
- 2017-2018** - Teaching Subject: Techniques for Investigating Geological-Geophysical Data in Marine-Coastal Environments. Naples and the University Center for Cultural Heritage of Ravello. School-Work Alternation Project. Total hours 70.
- 2013-2014** - Teaching Subject: Interpretation and Processing of Geophysical Data for Habitat Characterization and Mapping. Training internship - OTTIMA training course titled "Operational Oceanography and Safety" of the TESSA PON project - PON "Research & Competitiveness (R&C) 2007-2013, total hours 42.
- 2012-2014** - Teaching Subject: Interpretation of Morphological and Stratigraphic Data in Landslide Risk Areas. PON01_01525 Training Project ("MONICA") total hours 35
- 2012** – Geology Course for Geothermal Formation in the Salvadoran Academic System – 50 hours. San Salvador (El Salvador). Ministry of Foreign Affairs - Italian Cooperation for Development.
- 2011** – Geology Course at the University of El Salvador (UES), – 36 hours. Regional Interuniversity Network Project on Natural Phenomena Analysis for Risk Assessment in Central America. Ministry of Foreign Affairs - Italian Cooperation for Development.
- 2011** - Company Tutor – Internship Title: Sediment Core Study from the Tyrrhenian Sea. Training and Orientation Project for Internship Activities related to the agreement with the University "Federico II" of Naples.
- 2011** - Company Tutor – Internship Title: Collection and Processing of Sedimentological Data from Oceanographic Campaigns of IAMC_CNR. Training and Orientation Project for Internship Activities related to the agreement with the University "Federico II" of Naples.
- 2010** - Company Tutor – Internship Title: Collection and Processing of Sedimentological Data from Oceanographic Campaigns of IAMC_CNR. Training and Orientation Project for Internship Activities related to the agreement with the University "Federico II" of Naples.
- 2010** – Geology Course at Guatemalan Universities (USAC) – 36 hours. Regional Interuniversity Network Project on Natural Phenomena Analysis for Risk Assessment in Central America. Ministry of Foreign Affairs - Italian Cooperation for Development.
- 2010** - Experimental Degree Thesis Supervisor titled: "Propuesta de zonificación para las áreas de protección de un cauce natural urbano" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses. Universidad del El Salvador (UES) – Central America.
- 2009-2010** - Experimental Degree Thesis Supervisor titled: "Diseño de un Sistema para la Gestión y Comunicación de Información Sobre la Situación de las Amenazas Naturales en el Area Metropolitana de San Salvador" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses. Universidad del El Salvador (UES) – Central America.
- 2009-2010** - Experimental Degree Thesis Supervisor titled: "Modelo de Inundación para Colonia Santa Carlota en el Barrio San Jacinto" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses. Universidad del El Salvador (UES) – Central America.
- 2009-2010** - Experimental Degree Thesis Supervisor titled: "Caracterización de Multiamenazas la comunidad Contreras Zona 8, Municipio de Soyapango San Salvador" within courses aimed at analysis, prediction, and prevention of seismic, volcanic,

geomorphological, and hydrogeological risks. Degree and Master's courses. Universidad del El Salvador (UES) – Central America.

2009 – Teaching Geomorphology. Universidad Nacional Autónoma de Nicaragua (UNAN), Managua. Regional Interuniversity Network Project on Natural Phenomena Analysis for Risk Assessment in Central America. Ministry of Foreign Affairs - Italian Cooperation for Development.

2008-2009 - Supervisor of Experimental Degree Thesis titled: "Plan de Gestion de Riesgos en el área protegida de la Reserva Natural de Monterrico, ante los efectos del cambio climático" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses on risk assessment and reduction for teachers and students. Universidad de San Carlos (USAC) Guatemala City.

2008-2009 - Supervisor of Experimental Degree Thesis titled: "Propuesta de sistema de alerta temprana ante inundaciones para el Zanjón El Cable y Río Michatoya en el municipio de Amatitlán" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses on risk assessment and reduction for teachers and students. Universidad de San Carlos (USAC) Guatemala City.

2008-2009 - Supervisor of Experimental Degree Thesis titled: "Vulnerabilidad y adaptación al cambio climático en el área protegida de la Reserva Natural de Usos Múltiples de Monterrico-RNUMM" (one of the 7 Biotopes managed by USAC through CECON) within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Degree and Master's courses on risk assessment and reduction for teachers and students. Universidad de San Carlos (USAC) Guatemala City.

2008 - Supervisor of Experimental Degree Thesis titled: "Vulnerabilidad Urbana ante Inundaciones Municipio de Estelí" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks.

2008 - Supervisor of Experimental Degree Thesis titled: "Evaluación urbana en cuanto a multi-amenazas en sector del volcán Pacaya" within courses aimed at analysis, prediction, and prevention of seismic, volcanic, geomorphological, and hydrogeological risks. Universidad Nacional Autónoma de Nicaragua (UNAN), Managua.

2000-2001 - Supervisor of Experimental Degree Thesis titled: The Travertines of Pontecagnano. New Sedimentological and Stratigraphic Data within the Geology Course. Università degli Studi di Napoli Federico II - Department of Earth Sciences.

2005 - Elements of Geology Course. Degree in Education Sciences. Istituto Universitario Suor Orsola Benincasa Napoli. Total hours 25.

2004 - Teaching Subject: Geomorphology and Geology. 32nd International Geological Congress, August 2004. Geological field excursion, total hours 25.

2003 – Elements of Geology Course. Degree in Education Sciences. Istituto Universitario Suor Orsola Benincasa Napoli, total hours 20.

2003 – Cultural Geology Course. Degree in Cultural Heritage Conservation. Istituto Universitario Suor Orsola Benincasa Napoli, total hours 20.

2001 - Cultural Geology Course. Degree in Cultural Heritage Conservation. Istituto Universitario Suor Orsola Benincasa Napoli, total hours 20.

2000 - Teaching Subject: Geology and Geomorphology. V Summer School of Quaternary Geology of AIQUA, total hours 15.

1999 - Series of lessons and scientific excursion guide titled: Travertines in the rise and decline of the ancient town of Paestum (2500-1000 B.P.). Eurobasin School, Events VIII & IX Benevento, total hours 18.

1993 - Series of invited lessons on Continental carbonate deposits and Sedimentological Model of Travertine. Geology Course. Eötvös Loránd University of Budapest, Department of Applied Geology, total hours 20.