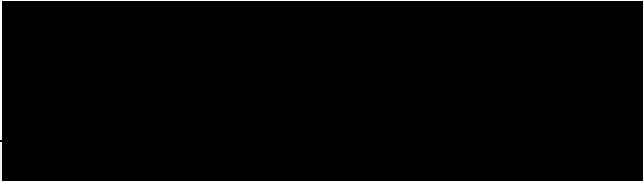


Curriculum Vitae

(As of Jan. 2025)

Name	Laura Beranzoli
Current position	Dirigente Tecnologo https://orcid.org/0000-0002-2273-3593
Affiliation and contacts	Istituto Nazionale di Geofisica e Vulcanologia (www.ingv.it) Sezione Roma-2 <i>UF GOA - Ricerche multidisciplinari sulle interazioni Geosfera-Oceano-Atmosfera</i> 
	Graduated in Physics with background in geophysics at Università degli Studi di Roma 'La Sapienza'. In the mid-90s she contributed to start a new research area at INGV aimed at the geophysical and environmental observation of the seabed. Since 1995 she has been constantly involved in international projects on seafloor observation, mainly European programs, and in national projects focused on the development and operation of multi-parameter observatories of the seabed for the collection of geophysical and oceanographic time series in relevant areas of the Med, NE Atlantic and the Antarctic (see http://www.moist.it). Since 2007, she has contributed to the formation of the pan-European research infrastructure EMSO (www.emso-eu.org, included in the ESFRI Roadmap since 2006), a network of seafloor and water column fixed platforms from the Arctic Sea to the Black sea through the NE Atlantic and the Med. In 2016, she worked to the establishment of the EMSO ERIC, a European consortium for the coordination and the service provision to the scientific community. She has been among the promoters of the EMSO-Italia Joint Research Unit (JRU), which associates and coordinates the Italian scientific community belonging to public research institutions and universities involved in EMSO operation; from 2023 she is coordinator of the JRU. She has gained deep experience and knowledge of the Research Infrastructures of the environmental sector in the European scientific landscape and of similar infrastructures in North America and in the Pacific. Because of this skill, she has been engaged in initiatives promoted by other national and international institutions.
Current Job Position	
2003 - present	Technology Director at INGV
1992 - 2003	Researcher, permanent position
1988 - 1992	Researcher, term contract
Assignments by INGV	
2023 - present	Coordinator of the Joint Research Unit EMSO Italia for the coordination and management of the activities of the Italian national scientific community in support of EMSO ERIC operation.
2022 - 2025	Principal Investigator (Responsabile Scientifico) of INGV in the project PNRR ITINERIS – <i>Italian Integrated Environmental Research Infrastructure System</i> , (durata nov. 2022-apr. 2025)
From 2024	Member of the Science and Technology Committee of the Italian National Technology Cluster BIG-Blue Italian Growth (association of Italian public research institutions, SMEs,

	and industries) for the sector of Marine and Maritime Research Infrastructures and Technology Transfer.
2018 - 2024	INGV Representative in the Governing Council of the Italian National Technology Cluster BIG-Blue Italian Growth (association of Italian public research institutions, SMEs, and industries) for the sector of Marine and Maritime Research Infrastructures and Technology Transfer.
2019	Member of the selection panel for the comparative evaluation of the scientific and professional CVs of the applicants to the position of Direttore di Dipartimento Ambiente of INGV, Decreto del Presidente n 104/2019, AOO INGV Prot. Generale U n. 0009553 del 27/06/2019
2015 - present	Coordinator of statutory high-relevance activities of INGV related to the participation in the European research infrastructure EMSO ERIC.
2016-2019	Head of Unit SIAM - Integrated Systems for Marine Environmental Infrastructures, INGV-Division Roma 2.
2013 - 2016	Head of Unit RIDGE – Inter-Disciplinary GEomarine Research, INGV Division Roma 2.
Assignments by other institutions	
From 2024	Member of the delegation of the European Commission in the Working Group – Marine Research Infrastructure at the G7 – Future of the Seas and Oceans Initiatives.
From 2016	Member of the Italian delegation with the role of advisor at the Assembly of Members Countries of EMSO ERIC by appointment of Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR) e Ministero dell'Università e della Ricerca (MUR)
2017 – present	Staff in-kind of INGV to the Central management Office of EMSO ERIC (www.emso.eu) with the role of <i>Science Officer</i> , which supports the EMSO Consortium Director General, and tasked with coordination and monitoring of the scientific activities of the <i>Science Service Group</i> . Liaison between EMSO ERIC and the ERIC Host Organisation (INGV) for institutional relations, and DG's internal advisor for the ERIC organisation shaping and management. In 2020 she performed as Deputy DG of EMSO ERIC by letter of agreement of Prof. Juanjo Danobeitia EMSOERIC DG at that time..
Professional experience	
STRATEGIC ACTIVITY	
2013 – present	i. Design and implementation of management process in EMSO ERIC (e.g., Service operational framework, governing bodies and operational board functions management). ii. Concept of relevant institutional regulatory documents of EMSO ERIC. iii. Identification of S&T strategic objectives and deployment of actions in the disciplinary sectors with focus on deep ocean and sea observation systems. iv. Analysis and evaluation of national, European, and global initiatives to improve the inclusion and recognition of the institutional activities in the marine domain in the context of national and international marine observation systems and research infrastructures. v. Scouting, development, and follow-up of partnering with R&I national and international bodies and institutions.
COORDINATION	
2013 - present	i. coordination of national and European projects, coordination of technical work and managerial work. ii. design, planning, implementation, and coordination of scientific and technological

	research activities concerning geophysical seabed monitoring carried out by means of submarine multiparameter observatories; iii. design, planning, and coordination of long-term geophysical monitoring experiments with multi-parameter seafloor observatories
PARTICIPATION TO R&I PROJECTS	
2007 - present	<i>a) EC funded projects</i> - SBEP- Sustainable Blue Economy Partnership (2022- in corso) – Task Leader e membro INGV della General Assembly- https://bluepartnership.eu/ - GeoInquire (dal 2022, in corso) – Partecipazione alle attività di progetto, https://www.epos-eu.org/geo-inquire - EMSO Link (dal 2016 - 2020) - Participation to proj. activities, http://www.emso-eu.org/site/news-events/item/372-emso-link-has-kicked-off.html - COOPLUS (dal 2016, 2018) – Participation to proj. activities http://www.coop-plus.eu/ - EMSODEV (dal 2015 - 2019) – Participation to proj. activities, http://www.emsodev.eu/ - ENVRI Plus (dal 2014 - 2019) – Principal Investigator for INGV, Task Leader, and member of the <i>Board of European Environmental Research Infrastructure</i> (BEERI) established in the project for coordinating the EU Environmental Research Infrastructures, http://www.envriplus.eu - COOPEUS (2012-2014) - WP Leader, https://www.coopeus.eu/ - FIXO3 (2013 – 2017) - Participation to proj. activities, Member of the General Assembly of the Partners, http://www.fixo3.eu/ - ENVRI (2012 – 2014) – Participation to proj. activities - EMSO Preparatory Phase (2008-2011) – member of the coordination team - ESONET Network of Excellence (2007-2011)– WP Leader - ESONET CSA (2002-2004) – Participation to proj. activities - NEAREST (2006 – 2010) – WP Leader - Orion Geostar 3 (2002-2005) – member of the coordination team - Assem (2002 – 2004)- Participation to proj. activities - Geostar 2 (1998 – 2001) – Member of the coordination Team - Geostar (1995-1998) – Member of the Coordination Team <i>b) Italian national projects</i> - <i>Progetto PNRR ITINERIS (2022- ongoing)</i> – Pls of INGV, representative of the Italian component of the European Research Infrastructure EMSO - <i>Progetto Obiettivo Nazionale InSea (2019 - 2023)</i> – Participation to proj. activities of the OR1 (enhancement of the monitoring capabilities of the facility EMSO Western Ionian Sea) - <i>Progetto Obiettivo Nazionale EMSO-MedIT (2013 – 2016)</i> – Leader of the Capacity Building Activity (<i>Progetto di Formazione</i>) which was part of the project (development of the public selection for trainees and trainees courses programs, organisation and development of the trainees' final test). - Flagship project RITMARE (2015 – 2019) – Participation to proj. activities - <i>Design and construction of a submarine seismic monitoring and alarm network in areas highly exposed to seismic risk - Construction of a first node in Eastern Sicily (SN-1) – (2000 - 2002) Project Coordinator.</i>
S&T RESEARCH ACTIVITY	
2008 - 2023	Analysis of geophysical signals acquired by observatories and multiparametric seabed

	monitoring modules with particular reference to seismic signals and water column pressure signals, for studies of seabed deformation and propagation of pressure waves and seismic waves in the marine environment. Analysis of acoustic data acquired at seafloor for ocean noise characterisation. Seafloor geophysical monitoring systems settings for long-term environmental data acquisition.
1994 - 2017	Set up of seabed observatories (preliminary design and selection of sensors for geophysics and oceanography measurements and operation mode); organization of preparatory oceanographic campaigns; analysis of seismological data and study of background seismic noise; data analysis with a multiparametric approach for the multidisciplinary interpretation of the observed phenomena; procedures for the data quality control.
Education background	
1986	Degree in Physics at Università degli Studi di Roma 'La Sapienza'

Recent JCR papers

- [1] Sciacca, V.; Morello, G.; Beranzoli, L.; Embriaco, D.; Filiciotto, F.; Marinaro, G.; Riccobene, G.M.; Simeone, F.; Viola, S. Song Notes and Patterns of the Mediterranean Fin Whale (*Balaenoptera physalus*) in the Ionian Sea. *J. Mar. Sci. Eng.* 2023, 11, 2057. <https://doi.org/10.3390/jmse11112057>.
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- [3] Lo Bue N., M.M.R. Best, D. Embriaco, D. Abeyisirigunawardena, L. Beranzoli, R. K. Dewey, P. Favali, M. Feng, M. Heesemann, U. Leijala, D. Ó'Conchubhair, M. Scherwath, E. Scoccimarro and T. Wernberg, *The Importance of Marine Research Infrastructures in Capturing Processes and Impacts of Extreme Events*, *Front. Mar. Sci.* 8:62666, 2021, doi: 10.3389/fmars.2021.626668
- [4] De Martino, P., S. Guardato, G. P. Donnarumma, M. Dolce, T. Trombetti, F. Chierici, G. Macedonio, L. Beranzoli, G. Iannaccone, *Four years of continuous seafloor displacement measurements in the Campi Flegrei caldera*, *Frontiers in Earth Science, Solid Earth Geophysics*, 2020, in press.
- [5] Iannaccone, G., G. Pucciarelli, S. Guardato, G. P. Donnarumma, G. Macedonio, L. Beranzoli, *When the Hydrophone Works as an Accelerometer*, *SRL*, 2020, <https://doi.org/10.1785/0220200129>.
- [6] De Caro, Mariagrazia; Montuori, Caterina; Frugoni, Francesco; Monna, Stephen; Cammarano, Fabio; Beranzoli, Laura; T Phases Observed at the Ionian Seafloor: Seismic Source and Bathymetric Effects, *SRL*, 2020, <https://doi.org/10.1785/0220200096>.
- [7] Dañoibeitia, Juan Jose; Pouliquen, Sylvie; Johannessen, Truls; Basset, Alberto; Cannat, Mathilde; Pfeil, Benjamin Gerrit; Fredella, Maria Incoronata; Materia, Paola; Gourcuff, Claire; Magnifico, Giuseppe; *Toward a comprehensive and integrated strategy of the European marine research infrastructures for ocean observations*, *Frontiers in Marine Science*, 7,180, 2020, Frontiers.

- [8] Andrea Billi, Marco Cuffaro, Laura Beranzoli, Sabina Bigi, Alessandro Bosman, Cinzia Caruso, Alessia Conti, Andrea Corbo, Antonio Costanza, Giuseppe D'Anna, Mariagrazia De Caro, Carlo Doglioni, Davide Embriaco, Gioacchino Fertitta, Francesco Frugoni, Luca Gasperini, Francesco Italiano, Gianluca Lazzaro, Marco Ligi, Eleonora Martorelli, Stephen Monna, Caterina Montuori, Alessandra Nigrelli, Giuseppe Passafiume, Lorenzo Petracchini, Patrizio Petricca, Alina Polonia, Giampaolo Proietti, Livio Ruggiero, Tiziana Sgroi, Maria Chiara Tartarello, *The SEISMOFAULTS project: first surveys and preliminary results for the Ionian Sea area, southern Italy*, ANNALS OF GEOPHYSICS, 63, 3, SE326, **2020**; doi:10.4401/ag-8171
- [9] Gutscher, Marc-André; Royer, Jean-Yves; Graindorge, David; Murphy, Shane; Klingelhoefer, Frauke; Aiken, Chastity; Cattaneo, Antonio; Barreca, Giovanni; Quetel, Lionel; Riccobene, Giorgio; Florian Petersen, Morelia Urlaub, Sebastian Krastel, Felix Gross, Heidrun Kopp, Lucia Margheriti and Laura Beranzoli; *Fiber optic monitoring of active faults at the seafloor: I the FOCUS project*, Photoniques, 32-37, **2019**, EDP Sciences.
- [10] Iannaccone, Giovanni; Guardato, Sergio; Donnarumma, Gian Paolo; De Martino, Prospero; Dolce, Mario; Macedonio, Giovanni; Chierici, Francesco; Beranzoli, Laura; *Measurement of seafloor deformation in the marine sector of the Campi Flegrei caldera (Italy)*, Journal of Geophysical Research: Solid Earth, 123, 1, 66-83, **2018**.
- [11] Riccobene, Giorgio; Caruso, Francesco; Viola, Salvatore; Simeone, Francesco; Pulvirenti, Sara; Sciacca, Virginia; Pellegrino, Carmelo; Speziale, Fabrizio; Ameli, Fabrizio; Buscaino, Giuseppa; *Status and results from cabled hydrophones arrays deployed in deep sea off East Sicily (EMSO-ERIC node)*, The Journal of the Acoustical Society of America, 141, 5, 3531-3531, **2017**, Acoustical Society of America.
- [12] S. Viola, R. Grammauta, V. Sciacca, c, d, G. Bellia, **L. Beranzoli**, G. Buscaino, F. Caruso, F. Chierici, G. Cuttone, A. D'Amico, V. De Luca, D. Embriaco, P. Favali, G. Giovanetti, G. Marinaro, S. Mazzola, F. Filiciotto, G. Pavan, C. Pellegrino, S. Pulvirenti, F. Simeone, F. Speziale, G. Riccobene, *Continuous monitoring of noise levels in the Gulf of Catania (Ionian Sea). Study of correlation with ship traffic*, Marine Pollution Bulletin, **2017**, <https://doi.org/10.1016/j.marpolbul.2017.05.040>
- [13] Francesco Chierici, Giovanni Iannaccone, Luca Pignagnoli, Sergio Guardato, Marina Locritani, Davide Embriaco, Gian Paolo Donnarumma, Mel Rodgers, Rocco Malservisi, **Laura Beranzoli**, *A new method to assess long-term sea-bottom vertical displacement in shallow water using a bottom pressure sensor: Application to Campi Flegrei, Southern Italy*, Journal of Geophysical Research: Solid Earth, **2016**, Vol. 121, Num. 11, 7775-7789.
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- [15] Gabriele Giovanetti, Stephen Monna, Nadia Lo Bue, Davide Embriaco, Francesco Frugoni, Giuditta Marinaro, Mariagrazia De Caro, Tiziana Sgroi, Caterina Montuori, Angelo De Santis, Gianfranco Cianchini, **Laura Beranzoli**, Paolo Favali, 2016, *Observing Volcanoes from the Seafloor in the Central Mediterranean Area*, Remote Sens. **2016**, 8(4), 298; doi:10.3390/rs8040298.

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- [20] Paolo Favali ; Francesco Chierici; Giuditta Marinaro; Gabriele Giovanetti; Adriano Azzarone; **Laura Beranzoli**; Angelo De Santis; Davide Embriaco; Stephen Monna; Nadia Lo Bue; Tiziana Sgroi; Gianfranco Cianchini; Lucio Badiali; Enkelejda Qamili; Maria Grazia De Caro; Giuseppe Falcone; Caterina Montuori; Francesco Frugoni; Giorgio Riccobene; Mario Sedita; Giovanni Barbagallo; Giorgio Cacopardo; Claudio Calì; Rosanna Cocimano; Rosa Coniglione; Michele Costa; Antonio D'Amico; Francesco Del Tevere; Carla Distefano; Francesco Ferrera; Valentina Giordano; Massimo Imbesi; Dario Lattuada; Emilio Migneco; Mario Musumeci; Angelo Orlando; Riccardo Papaleo; Paolo Piattelli; Guido Raia; Alberto Rovelli; Piera Sapienza; Fabrizio Speciale; Agata Trovato; Salvatore Viola; Fabrizio Ameli; Maurizio Bonori; Antonio Capone; Rocco Masullo; Francesco Simeone; Luca Pignagnoli; Nevio Zitellini; Federico Bruni; Francesco Gasparoni; Gianni Pavan; *NEMO-SN1 Abyssal Cabled Observatory in the Western Ionian Sea*, IEEE Journal of Oceanic Engineering, **2013**, Volume: 38, Issue: 2, 358- 374, DOI: 10.1109/JOE.2012.2224536.

Roma 15.01.2025

Laura Beranzoli



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