

## Research scientist

Laurea cum laude in Geological Sciences, 1999, University of Bologna  
PhD in Earth Sciences, 2002, University of Bologna

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- Research scientist at the Institute of Marine Sciences (ISMAR) since November 2<sup>nd</sup>, 2009.
- Member of the joint IOC-IHO GEBCO (General Bathymetric Charts of the Oceans) Guiding Committee since 2014.
- Member of the GEBCO Technical Sub-Committee since 2013.
- Head of the Continental Margins group of ISMAR (2015-2017).
- Regional coordinator of the Central Mediterranean Sea for the EMODnet Bathymetry AND HRSM projects, sponsored by the EU Directorate-General for Maritime Affairs and Fisheries, for an accessible and sustainable digital mapping of the European sea-beds at the highest possible resolution.
- Action leader of the marine Raw Materials assessment in the Italian seas within the RITMARE project, a national flagship program funded by the Italian Ministry of Research and Education.
- Action leader of the flagship Ritmare project, action “Oil & Gas” in the Ionian-Adriatic region.
- Technical director of a project funded by Regione Puglia for the assessment of offshore sandy deposits for beach nourishment along the southern Italy coasts.
- Co-Editor of the IUCN, Global Marine and Polar Programme, book “Atlas of the Mediterranean seamounts and seamount-like structures”.
- Member of the Legal and Technical Commission of the International Seabed Authority (2015-2016).
- Member of the Planning Team for the GEBCO Forum for the Future of the Ocean Floor Mapping, 15-17 June, Monaco, and executive board for Seabed 2030 initiative.
- Member of the Establishment Team of the GEBCO-Nippon Foundation Seabed 2030 project.
- ISMAR project head of the scientific collaboration with Ministero dello Sviluppo Economico for geohazard characterization (faults and fluid-flow) in areas of hydrocarbons, including the SPOT project.
- PhD supervisor of ESR3 within H2020-MSCA-ITN-2016 (Marie Skłodowska-Curie Innovative Training Networks) SLATE (Submarine Landslides and Their impact on European continental margins). Study areas: Strait of Sicily and Southern Tyrrhenian Sea.

Marzia participated in and served as chief scientist in more than 40 oceanographic cruises for research and industry purposes in the Mediterranean Sea and in the Atlantic Ocean. Her interests include: cold seep and hydrothermal habitats, marine georesources, deep oceanic crustal structure, marine cartography, seafloor mapping, deep-sea depositional systems, geohazards such as marine landslides and tsunami sources.

She participated in several EU projects (FP, H2020, ESF IPA, EMODnet, STOA, KAVA-KICS) and other National programs and she also worked for research projects sponsored by consortia of oil companies and public stakeholders. She is advisor of undergraduate, MSc and PhD projects. She is also adviser in matters concerning Maritime Safety and Security and the Law of the Sea.

## RECENT PUBLICATIONS

- C. Pellegrini, A. Asioli, K.M. Bohacs, T.M. Drexler, H.R. Feldman, M.L. Sweet, V. Maselli, **M. Rovere**, F. Gamberi, G. Dalla Valle, F. Trincardi, 2018. The late Pleistocene PO river lowstand wedge in the Adriatic sea: Controls on architecture variability and sediment partitioning. *Marine and Petroleum Geology* <https://doi.org/10.1016/j.marpetgeo.2018.03.002>
- T. Gauchery, **M. Rovere**, E. Campiani, F. Trincardi. Geomorphology of multi-stage submarine landslides along the southeastern slope of the Gela Basin in the Strait of Sicily (Central Mediterranean Sea). *Geophysical Research Abstracts*, Vol. 20, EGU2018-13453-2, 2018.
- C. Pellegrini, A. Asioli, K. Bohacs, T. Tesi, T. Drexler, M. Sweet, **M. Rovere**, F. Gamberi, F. Trincardi. The utility of clinotherms for discerning paleoenvironmental and paleoceanographic evolution at multiple spatial-temporal scales: the Late Pleistocene to Holocene Adriatic Sea clinotherms. *Geophysical Research Abstracts*, Vol. 20, EGU2018-7895, 2018.
- M. Rovere**, C. Pellegrini, E. Campiani, J. Chiggiato, F. Trincardi. Sedimentary features and shallow-water contourites controlled by dense shelf waters in the South Adriatic Sea. *Geophysical Research Abstracts*, Vol. 20, EGU2018-10502, 2018.
- F. Zaniboni, G. Pagnoni, A. Armigliato, M. A. Paparo, S. Tinti, **M. Rovere**, F. Trincardi. Tsunamigenic potential of a sizable submarine landslide in the Sicily Channel offshore Gela. *Geophysical Research Abstracts*, Vol. 20, EGU2018-13155, 2018.
- M. Rovere**, 2018. The Common Heritage applied to the resources of the seabed. Lessons learnt from the exploration of deep sea minerals and comparison to marine genetic resources. *Marine Safety and Security Law Journal*, in press.
- D. Di Bucci, I. Antoncicchi, F. Ciccone, G. Teofilo, F. Terlizzese, A. Argnani, M. Ligi, **M. Rovere**, R. Basili, M. Coltelli, S. Lorito, B. Borzi, F. Germagnoli, M. Di Ludovico, G.P. Lignola, A. Prota, 2017. The SPOT project (potentially triggerable offshore seismicity and tsunamis): a first appraisal of the possible impact of oil and gas platforms on the seismic and tsunami risks along the Italian coasts. *Geingegneria Ambientale e Mineraria*, Anno LIV, 3, 125-131.
- M. Rovere**, E. Campiani, E. Leidi, A. Mercorella, 2017. Natural hydrocarbon seepage in the Italian offshore. *Geingegneria Ambientale e Mineraria*, Anno LIV, 3, 35-40.
- Caroppo C., **Rovere M.** (2017) Proceedings of the Conference "The Ionian and Adriatic Region: energy resources and environmental sustainability", Taranto 19 May 2017, pp. 68. doi: 10.5281/zenodo.1038936; [https://zenodo.org/record/1038936#.Wfb\\_fbpFxaR](https://zenodo.org/record/1038936#.Wfb_fbpFxaR).
- F. Madricardo, F. Fogliini, A. Kruss, C. Ferrarin, N.M. Pizzeghello, C. Murri, M. Rossi, M. Bajo, D. Bellafiore, E. Campiani, S. Fogarin, V. Grande, L. Janowski, E. Keppel, E. Leidi, G. Lorenzetti, F. Maicu, V. Maselli, A. Mercorella, G. Montereale Gavazzi, T. Minuzzo, C. Pellegrini, A. Petrizzo, M. Prampolini, A. Remia, F. Rizzetto, **M. Rovere**, A. Sarretta, M. Sigovini, L. Sinapi, G. Umgiesser, F. Trincardi, 2017. High-Resolution Multibeam and Hydrodynamic Datasets of Tidal Channels and Inlets of the Lagoon of Venice. *Scientific Data, Nature Publishing Group*, 4:170121. DOI: [10.1038/sdata.2017.121](https://doi.org/10.1038/sdata.2017.121).
- F. Franchi, **M. Rovere**, F. Gamberi, H. Rashed, O. Vaselli, F. Tassi, 2017. Authigenic minerals from the Paola Ridge (southern Tyrrhenian Sea): Evidences of episodic methane seepage. *Marine and Petroleum Geology*, 86, 228-247. DOI: [10.1016/j.marpetgeo.2017.05.031](https://doi.org/10.1016/j.marpetgeo.2017.05.031).
- M.-A. Gutscher, H. Kopp, S. Krastel, G. Bohrmann, T. Garlan, S. Zaragosi, I. Klauke, P. Wintersteller, B. Loubrieu, Y. Le Faou, L. San Pedro, S. Dominguez, **M. Rovere**, B. Mercier

- de Lepinay, C. Ranero, V. Sallares, 2016. Active tectonics of the Calabrian subduction revealed by new multi-beam bathymetric data and high-resolution seismic profiles in the Ionian Sea (Central Mediterranean). *Earth and Planetary Science Letters*, 41, 61-72. DOI: [10.1016/j.epsl.2016.12.020](https://doi.org/10.1016/j.epsl.2016.12.020).
- P. Madureira, H. Brekke, G. Cherkashov, **M. Rovere**, 2016. Exploration of polymetallic nodules in the Area: reporting practices, data management and transparency. *Marine Policy*, 70, 101-107. DOI: [10.1016/j.marpol.2016.04.051](https://doi.org/10.1016/j.marpol.2016.04.051).
- M.-A. Gutscher, S. Dominguez, B.M. de Lepinay, L. Pinheiro, F. Gallais, N. Babonneau, A. Cattaneo, Y. LeFaou, G. Barreca, A. Micallef, **M. Rovere**, 2015. Tectonic expression of an active slab-tear from high-resolution seismic and bathymetric data offshore Sicily (Ionian Sea). *Tectonics*, 35(1), 39-54. DOI: [10.1002/2015TC003898](https://doi.org/10.1002/2015TC003898).
- E. Miramontes Garcia, A. Cattaneo, G. Jouet, E. Thereau, Y. Thomas, **M. Rovere**, E. Cauquil, F. Trincardi, 2016. The Pianosa contourite depositional system (northern Tyrrhenian sea): drift morphology and plio-quadernary stratigraphic evolution. *Marine Geology*, 378, 20-42. DOI: [10.1016/j.margeo.2015.11.004](https://doi.org/10.1016/j.margeo.2015.11.004).
- L.A.S. Hansen, R. Callow, I. Kane, F. Gamberi, **M. Rovere**, B. Cronin, B. Kneller, 2015. Complexities of channel related thin-bedded turbidites. *Marine and Petroleum Geology* 67, 852–879. DOI: [10.1016/j.marpetgeo.2015.06.007](https://doi.org/10.1016/j.marpetgeo.2015.06.007).
- P. Weatherall, K.M. Marks, M. Jakobsson, T. Schmitt, S. Tani, J.-E. Arndt, **M. Rovere**, D. Chayes, V. Ferrini, R. Wigley, 2015. A New Digital Bathymetric Model of the World's Oceans. *Earth and Space Science*, DOI: [10.1002/2015EA000107](https://doi.org/10.1002/2015EA000107).
- M. Rovere**, H. Rashed, E. Pecchioni, A. Mercorella, A. Ceregato, E. Leidi, F. Gamberi, Orlando Vaselli, 2015. Habitat mapping of cold seeps associated with authigenic mineralization (Paola Ridge, southern Tyrrhenian Sea): combining seafloor backscatter with biogeochemistry signals. *Italian Journal of Geosciences*, 134, 23-31. DOI: [10.3301/IJG.2014.15](https://doi.org/10.3301/IJG.2014.15)
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- F. Gamberi, **M. Rovere**, A. Mercorella, E. Leidi; G. Dalla Valle, 2014. Geomorphology of the northeastern Sicily continental shelf. *Geomorphology*, 217, 106-121. DOI: [10.1016/j.geomorph.2014.03.038](https://doi.org/10.1016/j.geomorph.2014.03.038).
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- F. Gamberi, **M. Rovere**, A. Mercorella, E. Leidi, 2014. The influence of a lateral slope on turbidite lobe deposition in a modern transient slope fan (Villafranca deep sea fan, Tyrrhenian Sea). *Journal of Sedimentary Research*, 84, 475-486. DOI: [10.2110/jsr.2014.37](https://doi.org/10.2110/jsr.2014.37).
- M. Rovere**, F. Gamberi, A. Mercorella, E. Leidi, 2014. Geomorphometry of a submarine mass-transport complex and relationships with active faults in a rapidly uplifting margin (Gioia Basin, NE Sicily margin). *Marine Geology*, 356, 31-43. DOI: [10.1016/j.margeo.2013.06.003](https://doi.org/10.1016/j.margeo.2013.06.003).
- F. Gamberi, **M. Rovere**, M. Dykstra, I. Kane, B.C. Kneller, 2013. Integrating modern seafloor and outcrop data in the analysis of slope channel architecture and infill. *Marine and Petroleum Geology*, 41, 83-103. DOI: [10.1016/j.marpetgeo.2012.04.002](https://doi.org/10.1016/j.marpetgeo.2012.04.002).
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