PERSONAL INFORMATIONS

Danilo Morelli , PhD

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Date of birth 31/08/1965 | Nationality Italian

INSTRUCTION AND FORMATION

Postgraduate Specialization and Qualification for Teaching of Mathematics and Sciences in High Schools of I and II degree, at the University of Trieste, on 30-06-2009.

PhD in Environmental Sciences (Physical, marine and coastal environment) at the University of Trieste, on 28/04/2008. Thesis title: "*Marine cartography: example study areas for research and applications oriented to environmental geological risks".*

Degree in Geological Science at Urbino University, on the 01/03/1991. Thesis title: "*Alternative models of the genesis of the Western Mediterranean Basin based on the interpretation of the crustal CROPMARE1-ECORS seismic profile"*.

High School Diploma (Maturità scientifica) at "Liceo Scientifico Galileo Galilei" of Lanciano (CH), on the 20/07/1984.

ACADEMIC QUALIFICATIONS AND PROFESSIONAL DISTINCTIONS

Lecturer in Geology & Sedimentology (Ricercatore a Tempo Determinato GEO-02; art. 24, comma 3, lettera A legge 30 dicembre 2010, n.240). at DISTAV- Department of Earth, Environment and Life Sciences of Genoa University, since 01/03/2020.

Scientific Coordinator of the DISTAV Research Unit of two Marine Cartographic projects of the geological sheet of “Genova” and “Albenga” (scale 50000). The new four-year duration CARG Projects are managed by the Geological Survey of Italy with a total allowed financing of € 230000.00 founded by the Italian Institute for Environmental Protection and Research (ISPRA).

Principal Investigator of the DISTAV Operative Unit dedicated to the official Geological Cartography of the Italian Sea coordinated by the Geological Survey of Italy in the framework of the EMODnet European Project. The activity started in the 2020 with the EMODnet-Geology4 and is still ongoing within the EMODnet-Geology5, with allowed financing of € 5000 (2020-2021) and 7000.00 (2021-2023) from ISPRA.

Principal Investigator of the DISTAV Operative Unit dedicated to the realization of an Evolutionary Model of the Quaternary Italian territory in the framework of the METIQ National Cartographic Project. The redaction of the new geological cartography of the Quaternary at a scale of 1: 500,000 is coordinated by ISPRA in collaboration in collaboration with researchers from CNR, INGV, OGS and other Universities.

Collaborator in consultancy activity within DISTAV Operative Unit dedicated to scientific support and supervision of geological studies and new cartography for the Final Project of the restoration of the Andora - Finale Ligure (SV) railway, ITALFER commissioned

Member of the INTERNATIONAL PROGRAM COMMITTEE of the IEEE International Workshop on Metrology for the Sea, from the 2019, at Genoa, until 2022 at Milazzo.

Co-chairman of the thematic session entitled “Tectonic conditioning on the continental margins architecture” at the 4th Conference of Italian Marine Geologists, "Marine geology in Italy" February 2021.

Reviewer of ISI journals:
Quaternary international (Elsevier); Journal of Marine Science and Engineering (MDPI); Applied Sciences (MDPI).

PROFESSIONAL EXPERIENCES (RESEARCH, TEACHING & CONSULTING)

His research activity has been carried out continuously since 1994 in the context of collaborations and consultancy with public and private operators engaged in the advancement of knowledge in the field of i) Marine Geology;ii) the onshore-offshore connections; iii) the environment and exploration. He participated to several oceanographic cruises in the Mediterranean sea for scientific purposes and offshore exploration..

He began investigating the structure and evolution of the Western Mediterranean basin through multichannel seismic reflection interpretations. Successively, the maturation of other technical skills (e.g analysis and interpretation of surface and deep geological and geophysical marine data, digital processing of seismo-stratigraphic and morpho-tectonic data) allowed to successfully work in the official geological marine cartography that supported the reconstructions of the Neogene geological evolution of Italian continental margins and of some sectors of South America.

His recent studies on marine Quaternary stratigraphy and current seabed morpho-dynamics are used to assess the marine geological hazard at sea in the framework of national and international projects devoted to Geologic Cartography or Geo-Environment Risk Evaluations.

Besides studying the margins structure, sedimentary processes and geological hazards, he is interested in the stratigraphic records of Paleo-seismicity and active tectonics as well as in basin scale studies of stratigraphic architectures, morpho-structural settings and tectonic systems evolution in many geodynamic contexts of the Mediterranean.

2020 - present, he is (Lecturer in Strratigraphical Geology & Sedimentology ("Ricercatore a Tempo Determinato", GEO-02, art. 24, comma 3, lettera A legge 30 dicembre 2010, n.240) at Department of Earth, Environment and Life Sciences (DISTAV) of the Genoa University.

2016 - 2020, appointed as tenured teacher of Mathematics and Science at the Secondary School (Istituto Comprensivo "N. Nicolini" di Tollo, CH), he continued his research activity as an external collaborator of the Trieste Department and as a consultant with other Universities (University of Palermo) and research institutions (ISPRA, OGS);

2013 - 2015 he was Research Fellow (Assegno di Ricerca; L. 240/10) at the same Department of Trieste;

2008 - 2012, he was a CoNISMa research fellow (Borsa di Ricerca) at the Department of Geologic Enriroment and Marine Science (DISGAM) of Trieste, continuing to carry out his research activity focused on the official Marine cartography and on the geological-environmental risks of the Italian sea;

1999 - 2007, he was a **Research Fellow** (Assegno di Ricerca ; art. 51, comma 6, L. 449/1997) at the University of Trieste, dealing with tectonic-stratigraphic evolution, seismostratigraphy, land-sea morphostructural analysis, marine morpho-dynamics and neotectonics of mainly Italians and Chileans continental margins;

1994 - 1997, he has been **Research Fellow** of the National Institute of Geophysics at the University of Urbino, continuing his research on the North-Western Mediterranean, Ligurian Sea and other Italian continental margins (Tyrrhenian sea and South Adriatic Sea);

The described periods of research activity have produced:

- **the collections of new geological and geophysical marine data** in the context of various National and International Projects using new methods of data acquisition, visualization, analysis and digital three-dimensional cartographic rendering with high resolution. These have allowed a better and more detailed reconstruction of the morpho-structural settings, stratigraphic architecture and geologic evolution of some critical Italian continental margins from the point of view of active tectonics and geo-environmental risks (e.g. the Ligurian

Margins, Ionian and Tyrrhenian Calabrian Margin south Adriatic Margin);

- **new reconstructions** of the stratigraphic architecture and distribution of the basin deposits as well as to active and recent tectonics of the study areas, matured in collaboration with other specialists. These represent the overcoming of cognitive and paradigmatic situations of the structural models of Italy of the past years (recent to active tectonics inversion of the Ligurian, Tyrrhenian and Ionian Margin of Calabria), keeping the attention on the critical implications on superficial and deep gravitational instability and their correlation with potentially seismogenic or tsunamigenic active faults**;**

- **the drafting of scientific publications** listed below and divided into: **a) 11** Papers on JCR/ISI peer-reviewed scientific journals; **b) 9** Conference papers on JCR/ISI peer-reviewed scientific journals; **c) 16** not JCR/ISI journals papers and publications in various formats (conference paper, proceedings, extended abstract, notes and contribute in volume); **d) 5** Official Geological Map with notes (CARG Projects); **e) 67** Abstracts of Conference.

  (***ORCID***: https://orcid.org/0000-0003-2189-9492); Metrics overview (Oct,06,2022) from:
  - ***SCOPUS*** Documents:20; citations: 251; H-index: 7;
  - ***Research Gate,*** 58 research Items ; citations: 699; H-Index: 12; RG score 492.4;
  - ***Google Scholar,*** 68 research Items, citations: 476 (187 dal 2017); H-index 10-11 (7-5 dal 2017).

- **collaboration and consultancy relationships** with researchers from various universities (Bologna, Catania, Chieti, Naples, Florence, Genoa, Milan, Palermo, Pisa and Urbino) and national and international Public and Research Institutions (Tuscany Region, Liguria Region, ISPRA, I.I.M., C.N.R., INGV, O.G.S., IFREMER and Geoscience Azur) as well as with private companies engaged in offshore exploration (SAIPEM, Fugro-Oceansismica, GAS-sas, Geo-Resources and Northern Petroleum);

- **the active participation in National and International Congresses and Conferences:**

  2022 (SGI-SIMP 2022, DRT 2022, 10th SCAR Open Science Conference); **2021** (4° Convegno dei Geologi Marini Italiani); **2019** (3° Convegno dei Geologi Marini Italiani); **2018** (SIMP-SGI2018, GNGTS 2018); **2015** (SIMP-SGI2015, GIGS2015); **2012** (SGI-2012, Meeting Marino 2012); **2013** (AIQUA2013); **2009** ("International Conference on Seafloor Mapping for Geohazard Assessment", GNGTS 2009); **2008** (GIGS2008, EGU 2008, SGI-2008); **2006** (GNGTG 2006, ADRIA2006 International Geological Congress on the Adriatic area); **2005** (GIGS 2005, GEOITALIA-FIST2005, 3rd International Conference on the Oceanography of the Ross Sea Antarctica); **2004** (32° International Geological Congress); **2003** (GIGS2003, FIST 2003); **2002** (Workshop Carta Geologica D'Italia 2002); **2001** (GEOITALIA-FIST2001, GEOSED2001); **2000** (SGI 2000); **1998** (AIOL -98); **1997 (**"La Fossa Sarda", GNGTS-97); **1996**, Progetto CROP-ECORS; **1995,** (AIOL-95, GNGTS 95).

- **the planning and participation in Research Projects** currently completed and in progress, whose are below listed the most prominent.

- **teaching activity**

  Since 2020 he is ***professor*** of ***"Sedimentary Structures and Environments"*** (2CFU) within the module of Geology 2-Mod2 of the Bachelor's Degree programs in Earth Sciences and of ***"Marine Geology"*** (5 CFU) for the Master's Degree in Marine Biology and Ecology of the Genoa University.

  In the A.A. **2011/2012 and 2012/2013**, he was **professor** of the module **Geology II-Mod.1** (5 CFU) of the Bachelor's Degree in Geology of the Trieste University.

  from 1994 to 2014, at the University of Urbino and successively at the University of Trieste, has been applied in the framework of the Bachelor's and Master's Degree Programs in Geological and Environmental Sciences. Continuous didactic activity included:
  - various **seminars and supplementary courses** for the modules of Geology, Structural Geology, Tectonics and Geodynamics, Regional Geology and Geomorphology
  - **tutor activity** for students of the same Degree Programs and the role of **tutor and co-tutor**

of Bachelor's Degree, Post-Graduate Master and PhD **theses** on stratigraphy, structural geology, geodynamics, and geomorphology;
- **seminars and courses** in the context of various Master of the Second level;
- the task of organizer and realization of **training internships for students** (2009-2014) on board **oceanographic vessels and at Research Institutions**.

SYNTHESIS OF THE MAIN RESEARCH ACTIVITIES

His scientific activity concerned the study of the **stratigraphic architecture and of the morpho-structural setting of the continental margins** as well as their **cartographic representation**, focusing on some of the most **critical Italian marine areas** from the point of view of **active tectonics and** related **geohazard**.

The skills maturation in the **digital processing of seismic-stratigraphic and morpho-tectonic data interpretations** and the close collaboration with other specialists, in marine geology and active morpho-tectonics of the onshore areas, served to **overcome cognitive and paradigmatic situations** highlighted from the collection of new data and the problems of **evolutionary models**, allowing the advancement of knowledge in the field of **land-sea geology, the environment and marine exploration.**

NATIONAL AND INTERNATIONAL RESEARCH PROJECTS

IN PROGRESS Projects in which he is scientific or operative responsible

ISPRA-CARG Project (2020-2024) concerning the new National Geological Cartography Project dedicated to the marine areas of the geological sheet of “Genova” and “Albenga” (scale 50000). A further surficial and deep-seated reflection seismic survey has been planned and started in front of Genoa in July 2022.

METIQ-2022 The project, under the supervision of ISPRA, is dedicated to the realization of an Evolutionary Model of the Quaternary Italian territory at a scale of 1: 500,000. In the framework of the project, the Operative Unit of DISTAV is dealing with implementing GIS-based thematic maps for the Ligurian sea and North Tyrrhenian.

GEOLOGICAL CARTOGRAPHY OF THE ITALIAN SEA (2022-2023). The project concerning the drafting of a new cartographic geologic of the Italian seas is coordinated by the Geological Survey of Italy of the ISPRA, in the framework of contributing to the **EMODnet-Geology5** European Project aimed at providing harmonized information on marine geology in Europe.

IN PROGRESS OR UNDER REVIEW Projects in which he is member of Research Unit (RU)..

BOOST-2020. The Project entitled "Bridging Onshore- Offshore STructures at the Pacific Coast of north Victoria Land (Antarctica): an integrated approach." belongs to the call PNRA2019 (Research Program in Antarctica). Principal Investigator Prof. L. Crispini (UniGe). The data acquisition (MSC-Airgun, Chirp profiles, Multibeam and gravity samplings) will be carried out during the next Italian Antarctic Mission aboard the N/O Laura Bassi in collaboration with OGS researchers (January-2023 / March-2023).

RESPECT 2.0. The Project entitled "Responsible usE of georeSources for Population and Environment in the ArCTic.”(Principal Investigator: P. Cianfarra) belongs to the call PRA2021 (Arctic Research Program): funded

FHROST-2022. The Project entitled "Fossil syntectonic HydROtermal SysTems in Victoria Land: a multiscale study to explore tectonics, fluids and paleoclimate interactions" (Principal Investigator: Prof. L. Federico; UniGe), belonging to the call PNRA2022, under review.

PAST Projects

SEALEX November 2020, The project aimed to verify the effects of storm Alex (2-4 October 2020) at the offshore area between Nice and Bordighera. The research activity involved participating in an oceanographic survey on board the French vessel «Pourqoi Pas?» in a framework of collaboration with various researchers from the Université Côte d'Azur, the Ifremer and the La Sapienza University of Rome.

GEOLOGICAL CARTOGRAPHY OF THE ITALIAN SEA (2017-2021). The project concerning the drafting of a new cartographic geologic of the Italian seas is coordinated by the Geological Survey of Italy of the ISPRA, in the framework of contributing to the **EMODnet-Geology3-4** European Project aimed at providing harmonized information on marine geology in Europe.

MILAZZO (2013-2014) The CNR project was conducted in collaboration with researchers from the University of Naples, Palermo, the CNR (GeoMare Sud) and the INGV of Rome. In January 2014, on board the N / R Urania, multibeam and seismic data at medium and high-resolution mono and multichannel were collected. The data analysis realized in 2015 within a Degree Thesis in Geological Sciences at Trieste University highlighted the close relationship between active fault systems and the focus on slope instability features often associated with fluid escapes. The structural setting of the marine area between the Eolian isles and the Sicilian Shelf is dominated by active and intensely deformed NW-SE bands. These show typical strike-slip structures (flower structures) activated since the Middle Pleistocene.

TEATIOCA10 (2010-2011) The project planned to study the active tectonics and paleo-seismicity of the southeastern prosecution of the Pollino Faults System. The collected geological and geophysical data in the Corigliano Gulf confirmed, with a greater degree of resolution, the character and recent activity of the Amendolara regional transpressive system. Stratigraphic and morpho-structural evidence suggests a correlation between the recurrence and focussing of large submarine landslides, fluid escape, sediments liquefaction features and paleoseismicity of the Amendolara Fault System (seismic shaking large earthquakes related)

RITMARE (2012-2014); Within the Trieste operative sub-unit, the activity was concentrated on the processing of data and reconstructions of the Magic Projects 1-2, obtaining thematic maps on geological-environmental risks of the italian sea.

MAGIC1-2 (Marine Geohazards along the Italian Coasts; 2007-2014) Magic was a five-year Civil Protection Department Project aimed at mapping geohazard-related features of the Italian seafloor to improve risk mitigation activities and the management of emergencies. He was in charge of the realization of the oceanographic surveys and of the scientific redaction of the maps and accompanying notes of six sheets (on a scale of 500000) of the Ligurian Sea and Ionian Calabrian margin (Nizza, Ventimiglia, Savona, Genova, La Spezia and Capo Spartivento).

MALISAR 1-2 (2006-2007) The project conducted by IFREMER and Geosciences Azur in collaboration with researchers of the University of Genoa and Trieste involved the new data collections (MCS-Airguns and Multibeam) addressed to the mapping seismically active regional tectonic systems and geohazard-related seabed features (Canyons erosion and mass movements along the slope) of the Ligurian Continental Margin as well as assessing the related potential geo-environmental risks.

APAT/ISPRA-CARG Project (2000-2016) concerning National Geological Marine Cartography Project. He was in charge of the scientific redaction, of the maps and accompanying notes of six sheets (on a scale of 500000) of the Ligurian Sea and North Tyrrhenian (270 Ventimiglia, 258 San Remo 259 Imperia, 248 La Spezia, 249 Massa Carrara and 328 Isola D'Elba). In many case

he was responsible for the organization and realization of the related oceanographic surveys.

BAY-05 (2004-2005) ***"****Paleoenvironmental evidence of Holocene climatic fluctuations recorded in sediments of the Western Ross Sea bays".* n the framework of the Italian "XX Antarctic Expedition" of the PNRA, a research team (DISGAM of Trieste and ISMAR-CNR of Bologna) provided a new data collection (Sub-Bottom-Profile and gravity coring) on board the M\N "Italica". The data analysis allowed a detailed reconstruction of the Ross Sea bays' recent sedimentary dynamics and post-LGM global paleoclimatic variations.

MESCS-05 (2005) *"Morphology and evolution of the submarine canyons in the Ionian Margin of Calabria"*. In the framework of a collaboration with the OGS has been realized in 2005, a new survey on-board of the N\R OGS-EXPLORA, planned by a research group of the DISTAV of Trieste, collecting new Multibeam, Chirp, MCS-Airgun and seabed sampling data. These highlighted the diffusion of erosive and gravitational phenomena testified by a well-carved system of canyons and widespread and large surficial and deep-seated mass movements often associated with fluid escapes and active tectonics;

SOLICITED SEMINARS, INVITED TALKS

- Morelli Danilo ""Seismo-stratigraphy and morpho-structural setting of the Ligurian Alpine Margin between Capo Mortola and Bordighera" - - Invited talk for the Kick-off meeting of the S-P-Heritage Project (FISR2019 del MUR), held at San Remo on 10-06-2021.

SCIENTIFIC PRODUCTION

- The research papers are listed in chronological order and grouped into: **a) 11** Papers on JCR/ISI peer-reviewed scientific journals; **b) 9** Conference papers on JCR/ISI peer-reviewed scientific journals; **c) 16** not JCR/ISI journals papers and publications in various formats (conference paper, proceedings, extended abstract, notes and contribute in volume); **d) 5** Official Geological Map with notes (CARG Projects); **e) 67** Abstracts of Conference; f) **4** Articles under review or in progress. The conference papers he presented orally are also indicated **(P).**

a) Papers on JCR/ISI peer-reviewed scientific journals

1) **Danilo Morelli,** Michele Locatelli, Nicola Corradi, Paola Cianfarra, Laura Crispini, Laura Federico, Sébastien Migeon. **(2022)** Morpho-Structural Setting of the Ligurian Sea: The Role of Structural Heritage and Neotectonic Inversion. Journal of Marine Science and Engineering, 10 (9), 1176. https://doi.org/10.3390/jmse10091176
2) Ilaria Ferrando, Pierluigi Brandolini, Bianca Federici, Antonio Lucarelli, Domenico Sguerso, **Danilo Morelli,** Nicola Corradi **(2020)** Coastal Modification in Relation to Sea Storm Effects: Application of 3D Remote Sensing Survey in Sanremo Marina (Liguria, NW Italy). Water, 13, 1040. https://doi.org/10.3390/w13081040
3) Bartole R., Lodolo E., Obrist-Farnerc J., **Morelli D. (2019).** *Sedimentary architecture, structural setting, and Late Cenozoic depocentre migration of an asymmetric transtensional basin: Lake Izabal, eastern Guatemala.* Tectonophysics, 750, 419-433.
4) Ferranti L., P. Burrato, F. Pepe, , E. Santoro, M. E. Mazzella, **D. Morelli,** S. Passaro, G. Vannucci (**2014)** *An active oblique-contractional belt at the transition between the Southern Apennines and Calabrian Arc: The Amendolara Ridge, Ionian Sea, Italy.* Tectonics, 33, 11, 2169-2194; DOI: 10.1002/2014TC003624.
5) **Morelli D.,** A. Cuppari, F. Fanucci, E. Colizza**. (2011)** *Geomorphic setting and geohazard-related features along the Ionian Calabrian margin between Capo Spartivento and Capo Rizzuto (Italy).* Marine Geophysical Researches, 32, 139-149. DOI 10.1007/s11001-011-9130-4
6) Savini A., Corselli C., Durmishi C., Marku S., **Morelli D.** & Tessarolo **C. (2010)** *Geomorphology of the Vlora gulf seafloor: results from multi-beam and high resolution seismic data.* Journal of Coastal Research, 58, 6-16.

7) L. Ferranti , M. E. Mazzella, E. Santoro, C. Monaco, **D. Morelli (2009)** *Active transpression in the northern Calabria Apennines, southern Italy***.** Tectonophysics, 476, 226-251.
8) Ferranti L., Monaco C., **Morelli D.,** Antonioli F., Maschio **L. (2008)–** *Holocene activity of the Scilla fault, southern Calabria: insights from morpho-structural and marine geophyisical data.* Tectonophysics, 453, 74-93.
9) Bartole R., S. De Muro, D. **Morelli & F.** Tosoratti **(2008).** *Glacigenic features and Tertiary stratigraphy of the Magellan Strait (Southern Chile).* Geologica Acta, 6, 1, 85-100.
10)) Corradi N., A. Cuppari, F. Fanucci & **D. Morelli (2001)** - *"Gravitative instability of the sedimentary masses on the Ligurian sea floor".* GeoActa , 1, 37-44**.**
11) **1**Colantoni P., A. Cuppari, G. Gabbianelli, & **D. Morelli (2001)** - *"The Milazzo Canyon and its Depositional Wedge (submarine fan) on the Northern Sicilian Continental Slope (Tyrrhenian Sea)".* GeoActa , 1, 15-26.

b) Conference paper in JCR/ISI peer reviewed journals

1) Santoro E., L. Ferranti., S. Passaro, P. Burrato**, , D. Morelli (2012)** *Morphometric analysis in the offshore of the southern Taranto Gulf: unveiling the structures controlling the Late Pleistocene-Holocene bathymetric evolution.* Rend. Online Soc. Geol. It., 21, 1132-1135.
2) Ferranti L., F. Pepe, P. Burrato, E. Santoro, M. E. Mazzella**, D. Morelli,** S. Passaro, G. Vannucci **(2012)** *Geometry and modeling of an active offshore thrust-related fold system: the Amendolara Ridge, Ionian Sea, southern Italy.* Rend. Online Soc. Geol. It., 21, 222-224.
3) Ferranti, L.; Mazzella, M.E.; Monaco, C.; **Morelli, D.;** Santoro, E**. (2009).** Active transpression within the frontal zone of the Southern Apennines in northern Calabria by integration of geomorphologic, structural, and marine geophysical data. Rend. Online Soc. Geol. It., 5, 97-99.
4) Ceramicola S.,D.Civile, A.Caburlotto, A. Cova, D. Cotterle, P. Diviacco, M. Caffau, D. Praeg, D. Accettella, E.Colizza, S. Critelli , A. Cuppari, R.Dominici, F. Fanucci**, D. Morelli,** F. Muto, C.Romano, R. Ramella **(2009)** *Features of mass wasting along the submarine slopes of the Ionian Calabrian margin.* Abstract of the "International Conference on seafloor mapping for Geohazard Assessment" Ischia. Rendiconti on line Soc.Geol.It.., 7, 87-89.
5) **D. Morelli,** E. Colizza, A. Cuppari, F Fanucci, S. Ceramicola R. Ramella A. Caburlotto, D. Civile, A. Cova, D. Accettella **(2009).** *Geohazard survey along the Ionian coast of Calabria, from Capo Spartivento to Capo Rizzuto (Italy): examples* .Abstract of the "International Conference on Seafloor Mapping for Geohazard Assessment", Ischia. Rendiconti on line Soc.Geol.It**.., 7,** 13-16.
6) **(P)** Ferranti L., C. Monaco**, D. Morelli,** R. Tonielli, L. Tortorici & Badalini M., **(2008).** *Morphostructural Setting And Active Faults In The Messina Strait: New Evidence From Marine Geological Data*. Rend. Online SGI, 1, 86-88.
7) R. Bartole, **D. Morelli,** L. Tomasi, E. Lodolo, M. Menichetti & A. Cuppari **(2007)**. **S***eismostratigraphy and structural evolution of the Lago de Izabal Basin, Eastern Guatemala,*. Rend. Soc Geol.It., 4, 141-144.
8) **(P)** F. Fanucci & **D. Morelli (2006)** – *Morpho-structural pattern and poliphasic evolution of the Apennines Margin between Portofino and La Spezia*. Rend. Soc. Geol.it. 2 (2006) Nuova Serie 139-141.
9) R. Bartole, A. Cuppari and **D. Morelli (2003)** *Sismostratigrafy and sedimentology of the South Chile Margin: state of art and future prospect.* Workshop on Antartic Earth Sciences. Terra antartica Reports,9, 35-40.

c) Not JCR/ISI journals articles and publications in various formats (conference paper, proceedings, extended abstract, notes, contributes in volume and Doctoral Thesis).

1) S Ceramicola, F Fanucci, C Corselli, E Colizza, D Morelli, A Cova, A Savini, D Praeg, M Zecchin, A Caburlotto, O Candoni, D Civile, M Coste, D Cotterle, S Critelli, A Cuppari, M Deponte, R Dominici, E Forlin, E Gordini, C Tessarolo, F Marchese, F Muto, S Palamara, R Ramella, L Facchin, R Romeo. Tavola 8 Calabria Ionica. in: F.L.Chiocci et al **(2021)** Atlante dei lineamenti di pericolosità geologica dei mari italiani- Risultati del progetto MaGIC. CNR edizioni, Roma, pag. 175-189. ISBN 978-88-8080-457-4.
2) **D. Morelli,** S. Migeon, N. Corradi, A. Savini, I. Balduzzi, D. Chisari, M. Coste, A. Cuppari, A. Darbo, E. Olivari, F. Fanucci - Tavola 1. Mar Ligure. in: F.L. Chiocci et al **(2021)** Atlante dei lineamenti di pericolosità geologica dei mari italiani- Risultati del progetto MaGIC. CNR edizioni, Roma, pag. 20-41. ISBN 978-88-8080-457-4.
3) **Morelli D. (2008).** "*La cartografia marina: ricerche ed applicazioni orientate ai rischi*

geologico-ambientali in aree campione". **Tesi di Dottorato di ricerca** in Scienze Ambientali (Ambiente fisico, marino e costiero; XX Ciclo) dell'Università Degli Studi di Trieste, 118.

4) **13b**) A. Cuppari, E Colizza, F. Fanucci, **D. Morelli**. **(2004)** – *Morfology and Evolution of the Siderno and Bovalino Canyons: their relationship with the calabrian Arc (Calabrian Ionian Arc).* Quaternaria Nova VIII, 29-44.
5) **Morelli D. (2002).** *Evoluzione tettonico-stratigrafica del Margine Adriatico compreso tra il promontorio garganico e Brindisi.* Mem. Soc. Geol. It., 57, 343-353.
6) F. Fanucci & **D. Morelli (2001).** *Modalità e cause della deriva del Blocco Sardo-Corso.* Studi Trentini di Scienze Naturali - Acta Geologica, 77, 5-14.
7) **Fanucci F. & Morelli D. (1999)** - "*Modalità cause della deriva del Blocco Sardo-corso".* Atti dell'Associazione Italiana di Oceanologia e Limnologia, 13, (2), 167-181.
8) Cuppari A., Colantoni P., Gabbianelli G., **Morelli D.,** Alparone R. **(1999)** *"Assetto ed evoluzione morfo-strutturale dell'area marina compresa tra il margine della Sicilia settentrionale e le Isole Eolie (Golfo Di Patti)".* Atti dell'Associazione Italiana Oceanologia e Limnologia, 13, (1), 137-149.
9) M. Tramontana, G. Gabbianelli, G. Lanzafame, P. Colantoni, P.V. Curzi, F. Fanucci, P. L. Rossi **& D. Morelli (1996).** *Assetto morfo-strutturale dei fondali del settore centrale dell'Arcipelago Eoliano (Isole di Vulcano, Lipari e Salina)*. In "caratterizzazione ambientale marina del sistema Eolie e dei bacini limitrofi di Cefalù e Gioia (EOCUMM 95). Data Rep. 96, 455-462.
10) F. Fanucci, D**. Morelli** & M. V. Zuccolini **(1995).** *Principali lineamenti strutturali del Mar Ligure e loro ruolo geodinamico.* Atti del XIV Convegno Nazionale del GNGTS, Roma, 741-746.
11) **D. Morelli, M.** Tramontana & G. Lucantoni **(1995).** *Nuovi dati sulla successione plio-pleistocenica e sulle fasi tettoniche recenti in Adriatico meridionale*. Atti del XIV Convegno Nazionale del GNGTS, Roma. 643-645.
12) F. Fanucci & **D. Morelli (1995).** *Modello cinematico di evoluzione del Mediterraneo nord-occidentale*. Atti del Convegno Scientifico "Geodinamica e Tettonica attiva del Sistema Appennino-Tirreno", Camerino, 383-390.
13) M. Tramontana, **D. Morelli** & P. Colantoni **(1995).** *Tettonica plio-quaternaria del sistema sud-garganico (settore orientale) nel quadro evolutivo dell'Adriatico centro-meridionale.* Atti del Convegno Scientifico "Geodinamica e Tettonica attiva del Sistema Appennino-Tirreno", Camerino, 466-473.
14) **(P)** F. Fanucci & **D. Morelli (1994).** *Principali lineamenti strutturali ed evoluzione del Mar Ligure (Mediterraneo occidentale).* Atti del XI Congresso Nazionale dell' A.I.O.L., 793-806.
15) F. Fanucci, M. Firpo , **D. Morelli** & M. Piccazzo. **(1994).** *Il Mar Ligure: origine e storia di un bacino mediterraneo.* In: "Studi geografici in onore di Domenico Ruocco", Loffredo Editore, 117-130.
16) **Morelli D**., Fanucci F. & Santini S. **(1993**). *Struttura ed evoluzione del Mediterraneo occidentale: alcuni risultati del progetto ECORS-CROP*. Atti del XII Convegno Nazionale del GNGTS, 31-42.

d) Official Geological Map with notes (CARG Projects)

1) E. Abate, F.Fanucci, M.Benvenuti, P. Bruni, N. Cipriani, P. Falorni, M. Fazzuoli, **D. Morelli, E.** Pandeli, M. Papini, M. Sagri, V. Reale & P.Vannucchi **(2005) -** *Carta Geologica d'Italia a scala 1:50.000, Foglio "LA SPEZIA" con note illustrative. APAT –Dipartimento Difesa del Suolo* Servizio Geologico D'Italia, ROMA, 204.
2) Dallagiovanna G, Fanucci F, Pellegrini L, Seno S, Bonini L, Decarlis A, Maino **M, Morelli D,** Toscani G**. (2016).** *Carta Geologica d'Italia a scala 1:50.000, Foglio 257 e 270 "Dolceacqua -Ventimiglia" con note illustrative. ISPRA –Istituto Superiore per la Protezione e la Ricerca Ambientale* - Servizio Geologico D'Italia, ROMA, 103.
3) Giammarino S., Fanucci F., Orezzi S., Rosti D., **Morelli D.,** Cobianchi M., De Stefanis A., Di Stefano A., Finocchiaro F., Fravega P., Piazza M., Vannucci G. **(2010)** *Carta Geologica d'Itala a scala 1:50.000, Foglio "SAN REMO" con note illustrative e Carta del Substrato pre-olocenico dell'area marina (1:100000). ISPRA* - Servizio Geologico D'Italia, ROMA, 123.
4) G. Principi, V. Bortolotti, E. Pandeli,F. Fanucci, M. Benvenuti, M.Criari, A. Dini, M. Fazzuoli, F. Menna, D. **Morelli,** S. Moretti, G. Nirta, V. Reale **(2015)** *Carta Geologica d'Italia a scala 1:50.000, Foglio "ISOLA D'ELBA" con note illustrative. ISPRA –Istituto Superiore per la Protezione e la Ricerca Ambientale* - Servizio Geologico D'Italia, ROMA, 265.
5) Dallagiovanna G., Fanucci F., Pellegrini L., Seno S., Bonini L., Decarlis A., Maino M.**, Morelli D. (2016).** *Carta Geologica d'Italia a scala 1:50.000, Foglio 259 "Imperia" con note illustrative.*

ISPRA –Istituto Superiore per la Protezione e la Ricerca Ambientale - Servizio Geologico D'Italia, ROMA, 88.

e) Proceedings, Abstracts e Conference Papers

1) Cianfarra, P., Locatelli, M., Crispini, L, **Morelli, D.,** Salvini, F., Federico, L., **(2022)** Deciphering the sub-ice basement architecture of the Rennick-Aviator fault zone: insight from outcrop scale fracture analysis. 10th SCAR Open Science Conference, 1-10 August 2022. Abstract No: 746. Presentazione E-Poster.
2) Corradino M., **Morelli D**., Ceramicola S., Scarfì L., Barberi G., Monaco C. & Pepe F. **(2022)** - Late Miocene - Recent evolution of the Squillace Basin (Offshore Calabria, Italy): a multiscale approach to detect seismogenic faults. Abstract Book del 23rd International Conference on Deformation mechanism, Rheology and Tectonics, DRT 2022, 29.
3) Locatelli M.*, Federico L., Cianfarra P., **Morelli D**. & Crispini L. **(2022)** - Tectonic mélanges in orogenic setting (Western Alps): insights into fluid-assisted deformation and metamorphism. Abstract Book del Congresso SGI-SIMP 2022, Torino, 1050.
4) Cianfarra P., Locatelli M., Federico L., **Morelli D**., Salvini F., Läufer A. & Crispini L. **(2022)** - Fault-related fractures of the Rennick-Aviator shear zone (north Victoria Land, Antarctica): insight to infer the paleo fluid circulation. Abstract Book del Congresso SGI-SIMP 2022, Torino, 1042. https://doi.org/10.3301/ABSGI.2022.02
5) Locatelli M., **Morelli D.,** Crispini L., Corradi N., Federico L., Cianfarra P. & Brandolini P. **(2022)** - The tectono-stratigraphic evolution of the alpine Ligurian margin: new insights from the marine Quaternary deposits (Albenga and Genova sheets - CARG project). Abstract Book del Congresso SGI-SIMP 2022, Torino, 899
6) Corradino M., **Morelli D.,** Ceramicola S., Scarfì L., Barberi G., Monaco C. & Pepe F. **(2022)** - Multiscale approachto reconstruct the tectono-stratigraphic architecture of the Squillace Basin (Offshore Calabria, Italy) from Late Miocene to Recent time. Abstract Book del Congresso SGI-SIMP 2022, Torino 800. https://doi.org/10.3301/ABSGI.2022.02
7) **(P) Morelli D**., Pepe F., Corradino M., Burrato P., Colizza E., Ferranti L., Monaco C. & Sacchi M. **(2021)** - Tettonica attiva del Margine Ionico della Calabria: stato dell'arte e prospettive della caratterizzazione di faglie attive nel Golfo di Squillace. In: Chiocci F.L., Budillon F., Ceramicola S., Gamberi F., Loreto M.F., Senatore M.R., Spagnoli F., Sulli A. (eds) - Abstract Book della Società Geologica Italiana, "La geologia marina in Italia, Quarto Convegno dei Geologi Marini Italiani - Roma, 25-26 febbraio 2021", 91. https://doi.org/10.3301/ABSGI.2021.01.
8) **P) Morelli D.,** Corradi N., Cianfarra P., Crispini L. & Federico L. **(2021)** - Margini alpino e appenninico del Mar Ligure: eredità strutturali, architettura morfo-stratigrafica e neotettonica. In: Chiocci F.L., Budillon F., Ceramicola S., Gamberi F., Loreto M.F., Senatore M.R., Spagnoli F., Sulli A. (eds) - Abstract Book della Società Geologica Italiana, "La geologia marina in Italia, Quarto Convegno dei Geologi Marini Italiani - Roma, 25-26 febbraio 2021", 39. https://doi.org/10.3301/ABSGI.2021.01.
9) Battaglia F., Baradello L., De Santis L., Sauli C., Gordini E., Kovacevic V., **Morelli D.,** Langone L., Bohm G., Colleoni F., Colizza E., Rebesco M., Accetella D. & Ursella L. **(2019)** - *New geophysical evidence from Edisto Inlet fjord, Cape Hallett (Ross Sea, Antarctica).* 3° Convegno dei Geologi Marini Italiani, Roma, 9, DOI: 10.3301/ABSGI.2019.02
10) F. Battaglia, L. Baradello, E. Colizza, F. Colleoni, N. Corradi, L. De Santis , V. E. Gordini, V. Kovacevic, L. Langone, **D. Morelli**, M. Rebesco, C. Sauli, N. Wardell, M. Zecchin, F. Zgur **(2018***) Geophysical investigation of Edisto Bay, Cape Hallett (Ross Sea): preliminary results.* Atti del 37° Convegno GNGTS, Bologna.
11) Agate, M. Battaglini, L; Busetti, M. D'Angelo, S. Fiorentino, A. Giordano, G. Loreto, M. **Morelli, D.** Palmiotto, C. Pantaloni **(2018)** *Structural mapping of Italian Seas: an integrated view of different geological events.* Congresso congiunto SGI-SIMP, Catania,104.
12) Agate, M. Battaglini, L. Busetti, M. D'Angelo, S; Fiorentino, A; Giordano, G; Loreto, **F. Morelli,** D. Muraro, C. Papasodaro **(2016)** *Toward an update of the structural model in Italian submerged areas: contributions from the EMODnet Geology Project. 88° congresso della* Società Geologica Italiana, Napoli, Rend. Online Soc. Geol. It., Suppl. n. 1, Vol. 40, 2016.
13) Agate, M., Battaglini, L., Busetti, M; D'Angelo, S; Fiorentino, A; Loreto**, M; Morelli,** D; Muraro, C; Volpi, V **(2016)** *Mapping tectonics: a key element in submarine geological events and probabilities assessment.* 35th International Geological Congress Abstracts, South Africa, paper number 1921.
14) F. Cultrera, G. Barreca, V.Bruno, P. Burraco. A. Di Stefano, L. Ferranti, M. Mattia, C. Monaco**. D. Morelli.** S. Passaro, F. Pepe, L. Scarfi **(2015).** *Active deformation pattern in the Milazzo*

area: merging of marine and onland structural, morphological, seismological and geodetic data. Riunione Annuale GIGS 2015, Rend. Online Soc. Geol. It., Suppl. n. 1, Vol. 36.

15) **F**. Cultrera, P. Burraco. L. Ferranti. C. Monaco. **D.Morelli.** S.Passaro. F. Pepe **(2015).** *Active faulting in the Gulf of Patti (south-eastern Tyrrhenian Sea, Italy): evidences from high resolution in seismic profiles and swath bathymetry data.* **Abstract** Congresso SIMP-SGI-So.Ge.I-AIV, Firenze.

16) V. Volpi, F. Zgur, L. Facchin, F. Donda, D. Civile, **D. Morelli,** A.Cuppari**. (2013)** *Studio morfostrutturale dell'offshore del Salento dall'analisi di dati geofisici recentemente acquisiti.* Contributi al "Meeting marino", Roma 2012, 58-64.

17) Fanucci F. & **Morelli D (2013)** *Rapporti tra morfologia e tettonica sul margine continentale ligure.* Atti ISPRA 2013 , Contributi al "Meeting marino", Roma 2012, 53-57.

18) **M**. Busetti, S. Ceramicola, S. D'Angelo, R. Di Stefano, F. Fanucci, A. Fiorentino, M.F. Loreto, D. **Morelli, V. Volpi (2013)**. *Una nuova carta strutturale d'Italia: re-interpretazioni da terra e da mare.* Riassunti del Convegno AIQUA 2013, Napoli, Miscellanea INGV, 19, 92.

19) F. Fanucci e D**. Morelli (2013).** *Tettonica compressiva in Alto Tirreno, nella cartografia geologico marina a scala 1:50000 (CARG).* Riassunti del Convegno AIQUA 2013, Napoli, Miscellanea INGV, 19, 97.

20) **(P) Morelli D.,** L. Ferranti, P. Burrato, S. Passaro, F. Pepe, M. Sacchi, E. Santoro, M.E. Mazzella, G. Valenzano. **(2013)** *Estensione e ciclicità di accumuli debritici tardo-pleistocenici nei bacini di Sibari e Corigliano (Mar Ionio): implicazioni per la tettonica recente ed attiva.* Riassunti del Convegno AIQUA 2013, Napoli, Miscellanea INGV, 19, 113.

21) E. Colizza, N. Corradi, F. Finocchiaro, Giordano F., L. Langone, Melis R. **& Morelli D. (2009).** *Sedimentary sequence from embayment along theVictoria Land (Ross Sea, Antarctica) as potential archives recording Holocene climate fluctations*. Geoitalia 2009 Epitome, 306.

22) L. Ferranti, M. E. Mazzella, **D. Morelli (2009)** *Structural evolution and active tectonics in the Southern Taranto Gulf: insights from seismic reflection profiles analysis***.** GNGTS 09 165-168**.**

23) F. Fanucci , S. Migeon , C. Larroque , A. Cuppari , N.Corradi **, D. Morelli (2009)** *Modelli alternativi per la sismotettonica del margine alpino ligure.* GNGTS 09 163-165

24) **E**. Colizza , A. Cuppari , F. Fanucci , G. Fonda , D. Lenaz , R. Melis , **D. Morelli ,** Accettella D. , Wardwell N**. (2008).** *Morfostrutture e processi sedimentari nei fondali dell'area compresa fra Punta Stilo e Capo Rizzuto (Calabria Ionica), zona a potenziale rischio geoambientale.* Atti del Convegno della Società Geologica Italiana, 2008. Rendiconti on line Soc.Geol.It**., 3,** 248-249.

25) F. Fanucci, D. Morelli , **S. Migeon** & C. Larroque **(2008)** *Il Bacino Ligure: vincoli per la geodinamica del Mediterraneo Occidentale. .* Atti del Convegno della Società Geologica Italiana, 2008. Rendiconti on line Soc.Geol.It., 3, 371-372.

26) F. Fanucci , **D. Morelli** & A. Cuppari **(2008)** *Cartografia marina nei Progetti CARG: alcuni esempi.* Atti del Convegno della Società Geologica Italiana, 2008. Rendiconti on line Soc.Geol.It., 3, 369-370.

27) **Morelli D.,** E. Colizza, N. Corradi, F. Finocchiaro, F. Giglio, L. Langone and D. Ridente **(2008).** *Morpho-stratigraphic features of the Edisto Inlet, a high sedimentation rate site in western Ross Sea (Antarctica).* Geophysical Research Abstracts, Vol. 10, EGU2008-A-07252.

28) **(P) D. Morelli, M. Tramontana, F. Fanucci & P. Colantoni (2006)** – *Neogene evolution of the South Garganic Fault System.* Abstracts of the "Adria 2006" International Geological Congress on the Adriatic area, 95-96.

29) **E. Colizza, N. Corradi, A. Cuppari, F. Fanucci, D. Morelli & A Del Ben (2005)** *Rischi geologici e ambientali sul margine continentale ligure e sul margine della Calabria jonica.* Riassunti estesi del 24° Convegno del GNGTS, 301-304.

30) F. Fanucci & **D. Morelli (2005)** – *Evoluzione geodinamica del margine appenninico tra Portofino e La Spezia.* Riassunti estesi del 24° Convegno del GNGTS, 129-132.

31) **D. Morelli, D.** Ridente, E. Colizza, L. Langone & F. Finocchiaro **(2005)** – *Evidence of bottom current activity in sedimentary deposits of Ross Sea embayments, Antarctica.* Abstracts of the 3rd International Conference on the Oceanography of the Ross Sea Antarctica.

32) E. Colizza, L. Langone, M. Bussi, C. Landucci, **D. Morelli, D.** Ridente, A. Piva, N. Corradi, F. Giglio & F. Finocchiaro **(2005)** – *Bay project: paleoenviromental evidence of Holocene climate fluctation in bay sediments of the Western Ross Sea.* Abstracts del convegno GEOITALIA 2005, 21.

33) I. Balduzzi, A. Bozzano, N. Corradi, M. Ferrari , R. Ivaldi & **D. Morelli (2005)** – *Submarine sources of sand and gravel: discovery of a littoral deposits related to the versilian transgression between Alberga and Loano, Western Liguria*. Abstracts del convegno

GEOITALIA 2005, 85.

34) I. Balduzzi, A. Bozzano, N. Corradi, M. Ferrari , R. Ivaldi **& D. Morelli (2005)** – *Sector of the Ligurian Continental Shelf: the case of San Remo*. Abstracts del convegno GEOITALIA 2005, 170.

35) L. Tomasi, R. Bartole, E. Lodolo, **D. Morelli** & A. Cuppari **(2005)** *Structural geometry, seismo-stratigraphy and evolution of a pull-apart basin: the Izabal Lake in Eastern Guatemala.* Abstracts del convegno GEOITALIA 2005. .

36) **D. Morelli,** A. Cuppari, F. Fanucci & E. Colizza **(2004)** *Morphology and evolution of the Siderno and Bovalino Canyons (Ionian Margin).* Abstract of the 32° International Geological Congress, 234-34.

37) **D. Morelli,** F. Fanucci, A. Cuppari & N. Corradi **(2004).** *Gravitative mass flows and related risks in the Ligurian Sea*. Abstract of the 32° International Geological Congress, 265-8.

38) R. Bartole, G. Grando & **D. Morelli (2004).** *Structural and seismic stratigraphic analysis of the Northern Eratosthenes Basin between the Cyprus Continental Margin and the Eratosthenes Seamount, Eastern Mediterranean Sea*. Abstract of the 32° International Geological Congress, 164-40.

39) **(P)** F. Fanucci & **D. Morelli (2004).** *Neotectonics of Ligurian Continental Margins*. Abstract of the 32° International Geological Congress, 198-5.

40) **(P)** F. Fanucci & **D. Morelli (2004***). Tectonic framework and evolution of Ligurian Sea according to the results of CROP project*. Abstract of the 32° International Geological Congress, 164-32.

41) Cuppari A.,. E Colizza, F. Fanucci, **D. Morelli**. **(2003)** - *Dinamica sedimentaria e morfologia dei canyon di Bovalino e Siderno in rapporto alla neotettonica dell'Arco Calabro.* Convegno Fist 2003.

42) R. Bartole **, D. Morelli** and A. Cuppari **(2003)** *Sismostratigrafia e sedimentologia del Margine cileno meridionale. Ricerche eseguite e potenzialità future*. Convegno Fist 2003.

43) **2**E. Colizza, A. Cuppari, F. Fanucci & **D. Morelli (2003)** – *Morfologia ed evoluzione dei Canyons di Bovalino e Siderno (margine Ionico) in rapporto alla tettonica dell'Arco Calabro*. Riassunti di AIQUA 2003 "Il contributo dello studio delle antiche linee di riva alla comprensione della dinamica recente" Messina, 54-55.

44) **D. Morelli**, F. Fanucci A. Cuppari & N. Corradi **(2003) - *Mass movements of sediment and related risks in the ligurian basin*.** EGS-AGU-EUG Joint Assemby 2003, aprile 2003, Nizza, Geophisical Research Abstract, 5, 11840.

45) **(P) D. Morelli** & F. Fanucci **(2003) -** *Neotectonics of Alpine Margin in Ligurian Basin*. EGS AGU EUG Joint Assemby 2003, aprile 2003, Nizza, Geophisical Research Abstract, 5, 12094.

46) **(P) D. Morelli** & F. Fanucci **(2003) -** *Recent tectonics of continental margin: some example from high resolution seismic profiles*. Riassunti Riunione annuale del GIGS, Febbraio 2003, Foligno, 35-36

47) F. Fanucci & **D. Morelli (2003) –** *The Crop Profiles across the Western Mediterranean Basin* **.** Mem. Descr. della Carta Geol. D'It, LXII, 166-170**.**

48) **(P) D. Morelli** & F. Fanucci **(2002) –** *L'area marina del Foglio "La Spezia"*. V° Workshop sull'informatizzazione della Carta Geologica D'Italia , Siena.

49) N. Corradi, F. Fanucci & **D. Morelli (2001).** *Instabilità gravitative di masse sedimentarie sui fondali del Mar Ligure.* Riassunti del GEOSED 2001, 8a Riunione annuale del Gruppo Informale di Sedimentologia del CNR, Potenza.

50) N. Corradi, A. Cuppari, F.Fanucci & **D. Morelli (2001) –** *Il Canyon di Levante: esempio di valle sottomarine di origine tettonico-erosiva***.** Riassunti del Convegno GEOITALIA, 3° Forum FIST, 2001, 82.

51) **D. Morelli (2001).** *Evoluzione polifasica del Margine Adriatico tra il Promontorio Garganico e Brindisi (Adriatico meridionale).* Riassunti del Convegno GEOITALIA, 3° Forum FIST, 2001, 122-123.

52) **D. Morelli,** R. Bedini, L. Magnarini, F. Fantini & P. Colantoni **(2001)** – *Estensione della Posidonia Oceanica in alcuni tratti di litorale dell'Isola D'Elba e del Golfo di Follonica*. Riassunti del Convegno GEOITALIA, 3° Forum FIST, 2001, 97-98.

53) **(P) D. Morelli (2000).** *Evoluzione tettonico-deposizionale del Margine adriatico nel settore marino compreso tra il Gargano e Brindisi.*. Riassunti delle comunicazioni orali e dei poster della 80ª Riuniune Estiva della Società Geologica, Trieste. 333-334.

54) F. Fanucci & **D. Morelli (2000).** *Strutture crostali ed evoluzione geodinamica del Mediterraneo nord-occidentale: risultati del progetto ECORS-CROP.* Riassunti delle comunicazioni orali e dei poster della 80ª Riuniune Estiva della Società Geologica, Trieste. 242.

55) . Bartole , G. Brancolini, F. Coren, F. Fanucci, **D. Morelli,** L. Torelli & C. Zanolla **(1997).** *Il Mar Ligure ed il Tirreno settentrionale nel contesto dell'evoluzione del Mediterraneo occidentale*. Convegno Nazionale Progetto CROP, Trieste, OC14.
56) **D. Morelli** & F. Fanucci **(1997).** *Il Golfo del Leone: caratteri crostali e stili strutturali.* Riassunti delle comunicazioni del XVI Convegno Nazionale del GNGTS, Roma, 22.
57) **(P)** F. Fanucci & **D. Morelli (1997).** *Il Margine Sardo nel contesto geodinamico del Mediterraneo occidentale*. Riassunti delle comunicazioni del Convegno "La Fossa Sarda nell'ambito dell'evoluzione geodinamica cenozoica del Mediterraneo occidentale", Cagliari, 81-83.
58) **D. Morelli** & F. Fanucci **(1996).** *Apertura ed evoluzione del Bacino Balearico-provenzale alla luce delle ultime risultanze del Progetto ECORS-CROP*. Riassunti delle comunicazioni del XV Convegno Nazionale del GNGTS, Roma, 71.
59) **9**M. Tramontana, **D. Morelli & G. Lucantoni (1996).** *Evoluzione tettono-sedimentaria plio-quaternaria dell'Adriatico meridionale al largo di Monopoli*. Atti della Riunione del Gruppo di Sedimentologia del CNR, Catania, 263.
60) **8**F. Fanucci & **D. Morelli (1995).** *Nuovi dati sull'evoluzione del Bacino Sardo-balearico ricavati dal profilo crostale ECORS-CROP*. Riassunti delle comunicazioni del XIV Convegno Nazionale del GNGTS, Roma, 70.
61) **(P)** F. Fanucci, **D. Morelli &** M. V. Zuccolini **(1995).** *Principali lineamenti strutturali del Mar Ligure e loro ruolo geodinamico.* Riassunti delle comunicazioni del XIV Convegno Nazionale del GNGTS, Roma, 88.
62) **Morelli D.,** M. Tramontana & G. Lucantoni **(1995).** *Nuovi elementi sulla sismostratigrafia dell'Adriatico meridionale tra il Promontorio del Gargano e Brindisi*. Riassunti delle comunicazioni del XIV Convegno Nazionale del GNGTS, Roma, 80-81.
63) F. Fanucci & **D. Morelli (1995).** *Cinematica del Blocco corso-sardo e tettonica dell'Appennino.* Convegno Scientifico "Geodinamica e tettonica attiva del Sistema Tirreno-Appennino", Camerino. Riassunti, 124-126.
64) M. Tramontana & **D. Morelli (1995).** *Plio-quaternary extensional deformation during the last evolutive stage of the Garganic Fault (Southern Adriatic Sea, Italy)*. Terra Abstracts, 7, 172.
65) M. Tramontana, **D. Morelli &** P. Colantoni **(1995).** *Evoluzione plio-quaternaria del settore orientale della Faglia Garganica (Avampaese apulo).* Convegno Scientifico "Geodinamica e Tettonica attiva del Sistema Appennino-Tirreno", Camerino. Riassunti, 390-392.
66) **(P)** F. Fanucci & **D. Morelli (1994).** *Principali lineamenti strutturali ed evoluzione del Mar Ligure, con riferimento agli altri bacini del Mediterraneo occidentale .* IX Congresso Naz. A.I.O.L. Abstracts.
67) Fanucci F., **Morelli D.** & Santini S. **(1993).** *Struttura ed evoluzione del Mediterraneo occidentale: alcuni risultati del progetto ECORS-CROP*. Riassunti delle Comunicazioni del XII Convegno Nazionale del GNGTS, 5

f) Papers under review or in progress.

1) Marta Corradino, **Danilo Morelli**, Silvia Ceramicola, Luciano Scarfì, Graziella Barberi, Carmelo Monaco, Fabrizio Pepe. Late Miocene to Recent structural evolution of the Squillace Gulf (offshore eastern Calabria): insights on the active tectonics of the Calabrian Arc. **Submitted on Tectonophysics, 08 Aug 2022.**

2)) **Morelli D.** Locatelli M., Crispini L., Corradi N., Federico L., Cianfarra P. & Brandolini P. (2022) 3D modelling of Late quaternary coastal evolution between Albenga and Loano (Western Liguria, Italy).
3) **Morelli D.,** S. Migeon, M. Locatelli, P. Cianfarra, N. Corradi, A. Savini, I. Balduzzi, M. Coste, A. Cuppari, E. Olivari & F. Fanucci. Geohazard Features of the Ligurian Sea.
4) **AAVV- *New marine structural model of Italy: contributions from the EMODnet Geology Project*.** ISPRA-Servizio Geologico D'Italia, ROMA.

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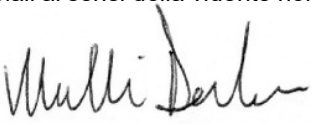
Genoa, 15th October, 2022,



(Danilo Morelli)