

CURRICULUM VITAE

Alessandra Savini

Dept. Of Earth and Environmental Sciences, Milano-Bicocca University
P.za della Scienza, 4 – 20126 Milano, Italy
Tel. +39 (0)2 64482079 - +39 (0)2 64482070. Fax +39 (0)2 64482273
E-mail: alessandra.savini@unimib.it



Position: Associate professor, Physical Geography and Geomorphology, University of Milano-Bicocca, Italy
<https://en.unimib.it/alessandra-savini>

Web of Science research ID: C-2264-2019 **Scopus ID:** 8383758600 - **ORCID:** <https://orcid.org/0000-0002-5818-5947> - **Google Scholar:** <https://scholar.google.it/citations?user=WHu-wwAAAAJ&hl=it>

Vital statistics: Born in Cantù (Italy - CO) on 10/11/'72

EDUCATION

- 2004 PhD in Geological Sciences and Geotechnologies, Milano-Bicocca University, Italy. PhD Thesis: "Development of analytical methods for the interpretation of seafloor mapping data and their management in Geographical Information Systems (GIS)".
- 2001 Post-graduate specialization (II level University Master Degree) in Applied Geophysics. Institute of geophysics and marine environment. La Spezia.
- 1999 Master of Science in Natural Sciences. Thesis title: "Monitoring of coastal environments by means of acoustic seafloor mapping techniques (western Sicily)". University of Milan.

SUMMARY STATEMENT OF RESEARCH INTERESTS AND ACTIVITY

Alessandra Savini is associate professor at the University of Milano-Bicocca, chair of the international master course in Marine Sciences. She is a marine geoscientist with expertise in seafloor imaging and mapping using geophysical data (bathymetry, backscattering and seismic) and RGB still images and videos. Her research focuses on submarine geomorphology and on the processes controlling the evolution of seafloor landscapes and benthic habitats, as well as their interactions with the ocean, biosphere, and subsurface. She investigates marine systems across a range of spatial and temporal scales and environmental settings, from tropical coral reefs and continental margins to cold seeps, hydrothermal systems, and polar environments. Her work combines geomorphological analysis, quantitative habitat mapping, acoustic and optical seafloor imaging, seismic data, direct seabed observations, sampling, and environmental datasets to investigate marine bioconstructions, fluid-seabed interactions, geohazards, anthropogenic pressures, and environmental change. She develops advanced approaches for multiscale, multisensor seafloor investigation, integrating heterogeneous datasets through quantitative spatial analysis, automated image classification, three-dimensional modelling, repeated monitoring, and the visual communication of marine geological and ecological information. She participated, also as leader or co-leader, in numerous national and EU funded projects, taking part in more than 40 oceanographic surveys in the Mediterranean Sea and Atlantic, Indian, Pacific and Arctic Oceans (leading 11). She is co-chair of the Submarine Geomorphology Working Group (established under the flag of the International Association of Geomorphologists – IAG), whose activity has made a significant contribution to the establishment of submarine geomorphology as a scientific discipline, emphasizing its multidisciplinary role and numerous applications in the environmental field as well. Since 2012 she is a member of the Scientific Committee of the MarHE (Marine Research and High Education) center, located in Maldives (www.marhe.unimib.it), which is included in the Italian node of the European EMBRC (European Marine Biological Research Center) community infrastructure, where she periodically coordinates a training course on mapping technologies in coral-reef environments.

CARRIER SUMMARY

October 2020 – present:

Associate professor (Physical Geography and Geomorphology) at the University of Milano-Bicocca (School of Sciences, Dept. of Earth and Environmental Sciences - DISAT)

Present-day teaching duties:

- Fundamentals in Marine Physical Geography (renamed “Marine Geomorphology” from AY 2026/27 – International Master Course in *Marine Sciences* (6 CFU) and Geological Sciences and Geotechnologies (8 CFU).
- Applied Geomorphology and Habitats (2CFU) – International Master Course in Marine Sciences.
- Applied Marine Geology (2CFU) – International Master Course in Marine Sciences.
- Introduction to Oceanography (3CFU) – Bachelor course in Geological Sciences and Geotechnologies.
- Habitat Mapping for Ecosystem-based Management of the Deep Sea (1 CFU) – Doctoral School in Marine Sciences, Technology and Management (MTM)

December 2008 – September 2020

Assistant professor (Physical Geography and Geomorphology) - University of Milano-Bicocca (School of Sciences, DISAT)

December 2006 – December 2008

Researcher - CoNISMa (national interuniversity consortium for marine sciences) – Local Research Unit of Milano-Bicocca University. Seafloor and benthic habitat mapping.

March 2004 – June 2006

Post-doc fellowship - CoNISMa (national interuniversity consortium for marine sciences) – Local Research Unit of Milano-Bicocca University. Seafloor and benthic habitat mapping.

2004 – 2008

Short-term professional consultancy contracts with private offshore companies, mainly related to marine survey activities, seafloor mapping and/or offshore geophysical data interpretation.

NATIONAL AND INTERNATIONAL RESEARCH PROJECT INVOLVEMENT

PROJECT	ROLE
MATRICES R/V FALKOR(TOO) RESEARCH EXPEDITION (17 MAY – 20 JUNE 2026) – ATLANTIC OCEAN DOLDRUM TRANSFORM FAULT COORDINATOR: MBARI	TEAM MEMBER Scientific responsible for geomorphological characterization of benthic habitats. Supervisor of 2 PhD candidates participating in the expedition. (https://schmidttocean.org/cruise/doldrums-fracture-zone-2/)
EU Polarin FLAIR – 2026 (fluid-seafloor interactions across the Antarctic seafloor under climate-driven change) – COORDINATOR: MBARI	TEAM MEMBER Scientific responsible for characterization of benthic habitats using ROV video data.
MeDiverseaty – EU – HORIZON-TMA-MSCA-DN - In quest of the human dimensions of MEDiterranean Marine Biodiversity	TEAM MEMBER Coordinates training activities and programs in close interaction with the PhD Supervisors Group to ensure the quality of individual training paths according to each candidate needs. MEDiverSEAty training will enhance the “blue generation” skills and competences and boost its employability in relevant sectors: fisheries, maritime spatial planning, sustainable tourism, MPA management, education etc.
EXTREME 24-25 Extreme Environments in the Arctic regions and beyond (https://uit.no/project/extremes) COORDINATOR: ARCTIC UNIVERSITY OF NORWAY (UIT)	RESEARCH EXPEDITION PARTICIPANT Scientific responsible for seafloor habitat mapping in extreme environments of the Arctic ocean, applying submarine photogrammetric techniques to work-class ROV videos and still images. Participation in two oceanographic expedition (2024 and 2025)
PNRA_2022 EXPLORE - EXPand current knowLedge on the seafloOR and communitiEs in understudied coastal Terra Nova Bay area COORDINATOR: CNR	RESEARCH UNIT COORDINATOR – UNIVERSITY OF MILANO-BICOCCA EXPLORE aims at characterize deep-sea habitats typified by the signature of small scale landforms created by fishes. RU of Milano-Bicocca will coordinate the definition of standard protocol for geospatial analysis of multibeam and backscattering datasets and automatic classification of

	submarine landforms.
RENOVATE - APPROCCIO ECOSISTEMICO ALLA VALUTAZIONE DELLE OPERE DI COMPENSAZIONE E MITIGAZIONE IN AMBIENTE MARINO: IL CASO STUDIO DELL'HUB PORTUALE DI CIVITAVECCHIA – COORDINATOR: CMCC	RESEARCH UNIT COORDINATOR – UNIVERSITY OF MILANO-BICOCCA Application of machine learning techniques on acoustic remote sensing data to detect suitable areas for restoration of <i>Posidonia oceanica</i> meadow
BRIDGET "BRIDGING THE GAP BETWEEN THE LAND AND THE SEA IN A VIRTUAL ENVIRONMENT FOR INNOVATIVE TEACHING AND COMMUNITY INVOLVEMENT IN THE SCIENCE OF CLIMATE CHANGE-INDUCED MARINE AND COASTAL GEOHAZARD" ERASMUS + KA220 (CALL 2021 ROUND 1 KA2 - KA220-HED - COOPERATION PARTNERSHIPS IN HIGHER EDUCATION) https://bridget.unimib.it/	PI The interdisciplinary European partnership of our project is made up by marine geoscientists and professionals with tracked expertise in geohazard assessment and climate-driven impacts in tectonically and/or climatically sensitive areas. The team will focus on the exploration of coastal and marine 3D models through the medium of VR, with a goal of developing an ad-hoc curriculum at postgraduate level. BridgET aims at deeply renew the way in which applied marine geosciences can be taught, strengthening digital readiness, inclusion, resilience and capacity in students.
PNRA2021-2023 ISOBatA - Italian Southern Ocean Bathymetry from consistent exploitation of opportunistic seafloor datasets in Antarctic region and surrounding areas	RESEARCH UNIT COORDINATOR – UNIVERSITY OF MILANO-BICOCCA ISOBATA aims at defining a FAIR-Compliant approach to bathymetric data collection for seabed coverage in the Antarctic region, during transit times of the R/V Laura Bassi. RU of Milano-Bicocca will coordinate the definition of standard protocols for geospatial analysis of acoustic datasets and the automatic classification of submarine landforms.
CRESCIBluREEF – FISR 04543 2021-2023 - Grown in the blue: new technologies for knowledge and conservation of Mediterranean reefs.	TEAM MEMBER Scientific responsible of the geomorphological characterization of the continental shelf offshore Marzamemi (south-eastern Sicily coast – Ionian Sea), based on integration of acoustic remote sensing data and the application of photogrammetry-based techniques on video data for 3D imaging and modelling of biogenic submarine landforms (coralligenous bioconstructions).
LITHOMAR - Assessing the relationships between lithospheric processes and seafloor topography at oceanic hotspots and divergent margins - 2021-2025	PI <i>International Lithosphere Program</i> (ILP - https://www.scl-ilp.org/) fund Development of an international Task Force (TF) for the establishment of a international network of experts to improve the understanding of interactions between endogenous (tectonics, volcanism and fluid circulation) and underwater surface processes, on long and short-term space-time scales, at oceanic hotspots and divergent margins.
AKMA – ADVANCING KNOWLEDGE OF METHANE IN THE ARCTIC (https://akma-project.com/)– 2019-2023	TEAM MEMBER Geomorphological characterization of fluid seeping sites offshore Svalbard and in the Barents Sea, based on integration of acoustic remote sensing data and the application of photogrammetry-based techniques on video data for 3D imaging and modelling of deep-sea environments. Involvement in teaching activity for PhD and Master students.
ERASMUS + 3DTELC - Bringing the 3D world into the classroom: a new approach to teaching, learning and communicating the science of geohazard in terrestrial and marine environment - 2017-2020 http://3dtelc.lmv.uca.fr/about.html	TEAM MEMBER Student tutoring during in 2 <i>training schools</i> (<i>Santorini summer school and Etna summer school</i>) on field work and frontal lectures on the integration of <i>on-shore, near-shore e offshore</i> geospatial data for geohazard assessment (http://3dtelc.lmv.uca.fr/training/santorini-summer-school/11-santorini/13-programme-santorini-summer-school-2018.html).
3DARGO - Augmented virtual reality for geology and geophysics - 2017-present. Finanziamento MIUR ACPR15T4_00098 (https://argo3d.unimib.it/)	TEAM MEMBER Development of 3D model of submarine environments to promote their exploration through the medium of Virtual Reality (VR) to develop innovative teaching/learning tools and outreach activities.
DEEPGEO Deepsea Bioconstructions as expression of geomorphic and oceanographic processes" 2017-2019. FUNDED BY THE UNIVERSITY OF MILANO-BICOCCA through an internal competitive funding scheme awarded to PIs of positively evaluated but non-funded research proposals (<i>Fondo di Ateneo per la Quota Competitiva</i>)	PI Geomorphological and morphometric characterization of biogenic submarine landforms (i.e. carbonate bioconstructions), based on photorealistic 3D models developed through the application of photogrammetry-based techniques on video data and still images acquired in underwater environment.

RITMARE - la ricerca italiana per il mare - 2016-2018 - WP 9 (oil & Gas – conflicts and synergies in the use of the sea)	RESEARCH UNIT COORDINATOR - ULR CONISMA MILANO-BICOCCA MIUR (Italian Ministry of Research and University) FUND Establishment of a geodatabase on off-shore energy infrastructure for the Adriatic-Ionian region, to support studies for Environmental Impact Assessment derived from exploration and production activities in the context of the different uses of the sea.
RITMARE - la ricerca italiana per il mare - 2012-2015 - WP 4 (marine spatial planning of offshore and deep-sea resources)	RESEARCH UNIT COORDINATOR - ULR CONISMA MILANO-BICOCCA MIUR (ITALIAN MINISTRY OF RESEARCH AND UNIVERSITY) FUND Development of new methods and techniques for improving studies on habitat mapping, anthropogenic impacts and ecosystem services for the deep-sea (http://www.ritmare.it/risultati/sp4-mare-profondo/wp2-mappatura-degli-habitat-impatti-antropici-e-servizi-ecosistemici).
MARINE STRATEGY 2016 CNR-CONISMA RESEARCH AGREEMENT 2016 MARINE STRATEGY FRAMEWORK DIRECTIVE CNR (National Research Council) fund	RESEARCH UNIT COORDINATOR - ULR CONISMA MILANO-BICOCCA Development of methodological standards and strategies for the national Marine Strategy monitoring programme – WP2 (benthic habitats and biodiversity) and WP6 (hydrographic conditions). Research Unit coordinator for WP6.4 (implementation of topographic and bathymetric information and monitoring of their evolution) and Research Unit supervisor for WP2.1 (monitoring of Cold-water coral habitats), WP2.2 (monitoring of coralligenous habitats) e WP2.4 (monitoring of maerl/rhodoliths bed habitats).
VII° EU Framework program – COCONET (Towards COast to COast NETworks of marine protected areas from the shore to the high and deep sea, coupled with sea-based wind energy potential), 2011 – 2015. Collaborative project - Grant agreement no: 287844. Coordinator: Prof. F. Boero.	RESEARCH UNIT COORDINATOR - ULR CONISMA MILANO-BICOCCA EU FP7 fund Project task responsible: Habitat mapping: state of knowledge, data integration and scenarios of protection.
EuroFleet cruise CWC Moira European Union Seventh Framework Programme (FP7/2007-2013), under the Eurofleets grant agreement n° 228344	TEAM MEMBER EU euro-fleet call Involved in the organization of the oceanographic cruise EuroFleet – CWC Moira 2012 (http://marinegeology.ucc.ie/wp-content/uploads/sites/87/2018/06/EUROFLEETS_cruise-report_Belgica12.16.pdf)
BIOMAP – BIOcostruzioni MARine in Puglia (marine bioconstruction along the Apulian coast) 2011-2013. www.biomapping.it .	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA Puglia Region fund Acquisition, processing and interpretation of seafloor mapping (multibeam bathymetry and side-scan sonar backscattering) and observational ROV data to map coralligenous habitats along the continental shelf of the Southern Adriatic and Northern Ionian Seas offshore Puglia.
VII° EU Framework program – CORALFISH (Assessment of the interaction between corals, fish and fisheries, in order to develop monitoring and predictive modeling tools for ecosystem based management in the deep waters of Europe and beyond) 2008-2012 http://eu-fp7-coralfish.net/ .	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA EU FP7 fund Member of the project <i>steering committee</i> and work-package leader (WP1 - regional cold water coral setting).
MAGIC (Marine Geohazard along the Italian Coasts) 2008-2013, www.magicproject.it . Coordinator Prof. F. Chiocci	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA National fund from the agency for civil protection (<i>protezione civile</i>) Member of the project technical committee for quality data assessment and scientific responsible for the compilation of two maps of marine geohazards (sheet 36 – Siderno and sheet 47 – Santa Maria di Leuca)
VI° Framework Program – HERMES (Hotspot Ecosystem Research on the Margins of European Seas), 2005 – 2009 GOCE-CT-2005-511234-1	TEAM MEMBER EU FP6 fund - Involvement in three project oceanographic cruises: - MEDECO, R/V Pourquoi pas? (2007) Assistance in deep-sea coral habitat visual exploration and mapping by means of marine robotic systems (ROV VICTOR6000) at the Santa Maria di Leuca cold-water coral province. - METEOR 70/1, R/V Meteor (2006) Involvement in the acquisition, processing and interpretation of seafloor mapping data in different Mediterranean locations, to drive further direct observations of associated

	deep-sea habitats using the ROV QUEST4000. - CORSARO, R/V Urania (2006) Acquisition of seafloor mapping data to detect distribution and extent of living and dead cold-water coral occurrences.
LANDSCAPES OF WAR – Improving Public understanding through the compilation and inventory of 20th century conflict heritage of the European Union, 2006-2008	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA EU Cultura 2000 programme Coordination of shipborne expeditions and definition of a dedicated workflow for the detection and characterization of II World War shipwrecks in the Mediterranean Sea.
CISM project - International center for marine sciences in Albania, 2006 – 2008. InterregIII Italia-Albania (www.cismalbania.it).	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA ARPA (Italian Regional Agency) Puglia fund Chief scientist of project oceanographic cruises (R/V Universitatis) and responsible for acquisition, processing and interpretation of seafloor mapping data (multibeam bathymetry, side-scan sonar and high resolution seismic) and sediment samples (gravity corer and box corer samples).
PRIN2006-2008 MESC project (Mud Volcanoes ecosystem study – Sicily Channel)	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA MIUR (ITALIAN MINISTRY OF RESEARCH AND UNIVERSITY) FUND Chief scientist on board R/V Universitatis and responsible for acquisition, processing and interpretation of seafloor mapping data and sediment samples (gravity corer and box corer samples).
Aplabes (Apulian Plateau Bank Ecosystem Study) FIRB 2004/2006 RBAU 01RKC7_004	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA MIUR (ITALIAN MINISTRY OF RESEARCH AND UNIVERSITY) FUND Responsible for acquisition, processing and interpretation of seafloor mapping data, collection of sediment samples and planning of direct observation using the MODUS-GAS-Scipack module developed by INGV (www.ingv.it) and TecnoMare.
FIRB2003/2005 Archaeo – Reconstruction and valorization of archaeological sites in coastal environment using innovative non-invasive techniques.	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA MIUR (ITALIAN MINISTRY OF RESEARCH AND UNIVERSITY) FUND Chief scientist on board an “ad-hoc” developed surface vehicle, designed for shallow water environments, for acquisition, processing and interpretation of seafloor mapping data.
V° EU Framework Program – BIODEEP (Biotechnologies from the Deep), 2001-2005	TEAM MEMBER EU FP4 fund Responsible for acquisition, processing and interpretation of high resolution seismic profiles acquired during a dedicated oceanographic expedition on-board R/V Urania.
Sedimentology and stratigraphy of Holocene-Late Pleistocene continental shelf deposits offshore Acropoli and Sapri 2004	RESEARCH UNIT SCIENTIFIC RESPONSIBLE - ULR CONISMA MILANO BICOCCA <i>Autorità di Bacino Sinistra Sele</i> (regional administrative body) fund Chief scientist on board R/V Universitatis for the detection of sedimentary bodies suitable for beach nourishment. Responsible for acquisition, processing and interpretation of seafloor mapping data and collection of sediment samples (gravity corer and grab).
Feasability study for the establishment of the Marine Protected Area (MPA) – Capo Murro di Porco (Siracusa, Sicily) - 2003	TEAM MEMBER Italian Ministry for the Environment (MATT) fund Responsible for acquisition, processing and interpretation of seafloor mapping data (multibeam bathymetry, side-scan sonar).
RIPO “Rivisitazione della mappatura di alcune praterie di Posidonia oceanica lungo le coste di Liguria, Toscana, Lazio, Basilicata e Puglia” – 2002-2003	TEAM MEMBER Italian Ministry for the Environment (MATT) fund Development of a dedicated geodatabase and GIS platform to store and analyze seafloor mapping data and regional maps for the qualitative assessment of the data representing the distribution of <i>Posidonia oceanica</i> meadows along Italian coasts (Liguria, Toscana, Lazio, Basilicata and Puglia).
Mapping of Posidonia oceanic meadows along the coast of Sardinia and associated minor islands.. Finanziamento MATT	TEAM MEMBER Italian Ministry for the Environment (MATT) fund Responsible for acquisition, processing and interpretation of seafloor mapping data and the development of a dedicated geodatabase.
Atlas of Side Scan Sonar data: acoustic facies of the Mediterranean continental shelves’ submarine landforms - 2002 –	PI Italian Ministry for Research and University (MIUR) fund for young researchers - (Ministry note n. 1707 del 22.07.1998) Generation of an Atlas of Side-Scan Sonar imagery representing typical submarine landforms of the continental shelves of the Mediterranean Sea.

INSTITUTIONAL ROLES AND DEPARTMENTAL SERVICE

- 2024 – present: **Chair of the International Master's Degree Programme in Marine Sciences**, University of Milano-Bicocca (<https://www.unimib.it/graduate/marine-sciences>)
- 2023 – 2027: Member of the **Management Board – TECLA**, MUR-funded Department of Excellence Project, Department of Earth and Environmental Sciences (DISAT), University of Milano-Bicocca (<https://sites.google.com/unimib.it/tecla>).
- October 2020 – present: University of Milano-Bicocca representative in **EMBRC-IT**, for the MaRHE Center node.
- 2018-present: Member of the scientific committee of **GEMMA** (Geo Environmental Measuring and Monitoring from multiple platforms), a new infrastructure of the University of Milano-Bicocca, as responsible for acquisition of new tools and facilities for monitoring underwater environments (<https://www.disat.unimib.it/it/ricerca/laboratori-e-strumentazioni/laboratorio-gemma>)
- 2012-present: Member of the scientific committee of the **MARHE center** (*Marine Research and High Education center* - www.marhe.unimib.it), located in Magoodhoo, Faafu atoll, Republic of Maldives.

SCIENTIFIC COMMITTEES, ADVISORY BOARDS AND WORKING GROUPS

- 2026 – present: Member of the Planning Committee of the **International Science Programme “SEAMOUNTS”** coordinated by KAUST. Co-Lead of the “Reference Sites & Protocols Group” team.
- 2022-present: Co-chair of the **Submarine Geomorphology working group** (<http://www.geomorph.org/submarine-geomorphology-working-group/>) established under the flag of the International Association of Geomorphologists (IAG).
- 2008-2012: Member of the Steering Committee of the **EU FP7 CORALFISH project** Theme 6: Environment; Activity 6.2: Sustainable Management of Resources - Grant agreement no.: 213144
- 2007-2012: Member of technical Committee of the national **MAGIC** (*Marine Geohazard along the Italian Coasts*) project for quality data assessment.

VISITING APPOINTMENTS & AWARDS

- October 2024/February 2025: **Fulbright Research Scholar** at Monterey Bay Aquarium Research Institute (MBARI, Moss Landing, CA – USA). Research Project: Bridging gaps in submarine geomorphology for insights into active seafloor processes.
- January-June 2020: Visiting scholar at **CAGE** (Centre of excellence for Arctic Gas Hydrates, Environment and Climate) - Arctic University of Norway (UiT), Tromsø, Norway.
- 2001: Award from the Italian Ministry for Research and University (MIUR) **funding for young researchers** - (Ministry note n. 1707 - 22.07.1998) – project title: Atlas of Side Scan Sonar data: acoustic facies of the Mediterranean continental shelves' submarine landforms

CONSULTING AND NON-ACADEMIC APPOINTMENTS

2020: Consultant for CoNISMa within the framework of "EMODNET - High Resolution Seabed Mapping (SUB-Contract SHOM/Conisma)" project for the evaluation and the collection of seafloor mapping and geological data in the Ionian Sea, Sicily channel, Sardinia channel and Ligurian Sea.

2017: Consultant for the Ministry of Agriculture, Rural Development and Environment, Department of Fishery and Marine Resources of the Republic of Cyprus for the preparation of the *Scope of work* (SoW) for a survey of the benthic biodiversity of Eratosthenes Seamount in the EEZ of The Republic of Cyprus (Tender No.: 9/2017) to improve the identification of specific deep sea benthic habitats included in Annex I of the Habitats Directive (92/43/EC), namely the Habitat 1170 “Reefs” and Habitat 1180 “Submarine structures made by leaking gas”.

2012-2013: Consultant for CoNISMa, within the framework of an agreement with ISPRA (Institute for Environmental Protection and Research), for the compilation of the “report on Expert Judgment” and the definition of the actions to be taken for the application of the marine strategy framework directives.

2012: Consultant for Porto Cesareo MPA - acquisition of tools and facilities for habitat and seafloor mapping activities.

2010: Consultant for CNRS within the framework of WP1 of CANA project (Establishing monitoring and sustainable development of the Lebanese Sea) - Bathymetric maps and management of coastal resources in Lebanon.

2007: Principle Marine Geophysicist *and* chief scientist on board R/V Universitatis (CoNISMa) – site survey for wind farm building offshore Tricase (Southern Adriatic Sea).

2005: Principle Marine Geophysicist and chief scientist on board R/V Universitatis (CoNISMa) for the research of the ATR-72 aircraft, which sunk off Palermo at -1400m of water depth on August 6, 2005. The survey was planned and organized by CoNISMa in collaboration with the Italian Military Navy.

2005: Principle Marine Geophysicist *and* chief scientist on board R/V Universitatis (CoNISMa) – for an archaeological site survey offshore Albenga (Ligurian Sea).

2006: Principle Marine Geophysicist *and* chief scientist on board R/V Universitatis (CoNISMa) – Route survey for a pipeline construction project between Brindisi and Valona (Southern Adriatic Sea) Trans-Adriatic Pipeline (TAP).

2004: Principle Marine Geophysicist / Geologist for RESON MEDITERRANEAN s.r.l. (BO – Italy)

2004: Principle Marine Geophysicist and chief scientist (Harbour Authority La Spezia, Italy) on board a small boat (QUEJII): multibeam survey for the detection of ancient manmade objects with archaeological value.

2000: Assistant surveyor. Technician and scientific navigator in offshore surveys. NAUTILUS s.c.r.l (VV – Italy)

OCEANOGRAPHIC EXPEDITIONS

Alessandra Savini participated in more than 40 oceanographic expeditions carried out in the framework of European projects, national research projects funded by MUR (ex MIUR) or other Italian Ministries or public and/or private institutions and Industry, leading 20 of them (chief scientist in 11 research project oceanographic cruises).

EXTREME 25 EXPEDITION (11 – 19 NOVEMBER 2025) R/V Kronprins Haakon - Arctic Ocean. Responsible for data logging regarding ROV AEGIR6000 exploration and seafloor photomosaic in selected cold-seep sites located in the Arctic Ocean and in the Barents Sea.

EXTREME 24 EXPEDITION (24 – 31 MAY 2024) R/V Kronprins Haakon - Arctic Ocean. Responsible for data logging regarding ROV AURORA exploration and seafloor photomosaic in selected cold-seep sites located offshore Norway in the Barents Sea.

FK240224 Falkor(too) 22 Febriary – 13 March 2024: Unexplored Seamounts of The Salas Y Gómez Ridge. Responsible for Multibeam data acquisition and processing on board Falkor(too), for selection of suitable sites for ROV Subastian exploration, along unexplored seamounts of the Salas Y Gomex Ridge in the Pacific ocean.

AKMA3: (APRIL 29-MAY 10, 2023, R/V KRONPRINS HAAKON) – Arctic Ocean. Responsible for data logging of video data acquired using the ROV AURORA and seafloor photomosaic in selected cold-seep sites located offshore Svalbard, within the framework of AKMA (Advanced Knowledge of Methane in the Arctic).

CAPE VERDE MBES TRAINING: (26 NOVEMEER 2022 – 3 DECEMBER 2022, REI SPEEDBOAT) – Atlantic Ocean. Responsible for training activity on multibeam mapping, on board Rei speedboat (owned by Mindelo Coastal guard) carried out within the framework of the COAST project (funded by Biodiversa and the German Research Foundation).

CAGE22_2 – AKMA-OCEAN SENSES: (11-23 MAY 2022, R/V KRONPRINS HAAKON) – Arctic Ocean. Responsible for the planning of ROV AEGIR6000-based multibeam surveys and acquisition of video data for seafloor photomosaic in selected cold-seep sites located offshore Svalbard, within the framework of AKMA (Advanced Knowledge of Methane in the Arctic) and OCEAN SENSES projects.

CAGE21_1: (22-31 MAY 2021, R/V KRONPRINS HAAKON) – Arctic Ocean. Responsible for the planning of ROV AEGIR6000-based multibeam surveys and acquisition of video data for seafloor photomosaic in selected cold-seep sites located offshore Svalbard, within the framework of AKMA (Advanced Knowledge of Methane in the Arctic) project.

CAGE20-7 (2-16 NOVEMBER 2020, R/V KRONPRINS HAAKON) – Arctic Ocean. Responsible for the planning of ROV AEGIR6000-based multibeam surveys and acquisition of video data for seafloor photomosaics in selected cold-seep sites located offshore Svalbard.

BIOMAP II (16 – 27 MAY 2012, R/V MINERVAUno). Southern Adriatic and northern Ionian Sea. Chief Scientist. Ship-time funded by Biomap project

BIOMAP I (15 – 23 MARCH 2012, R/V MINERVAUno). Southern Adriatic Sea. Chief Scientist. Ship-time funded by Biomap project

CORAL-LANDER (1-4 NOVEMBER, 2010, R/V MINERVAUno). Northern Ionian Sea. Assistant for benthic lander deployment at the Sant Maria di Leuca cold-water coral province. Ship-time funded by EU-FP7 CoralFISH project

MAGIC-CORALFISH (7-24 APRIL 2010, R/V UNIVERSITATIS). Northern Ionian Sea. Chief scientist. Ship-time funded by EU-FP7 CoralFISH project and MAGIC project.

MAGIC-UNITS02/10 2010 (24 MARCH – 4 MARCH 2010, R/V UNIVERSITATIS). Ligurian sea. Co-Chief scientist. Ship-time funded by MAGIC project.

MAGIC-UNICA08/09 2009 (1-10 JULY, 2009, R/V UNIVERSITATIS). Sardinia channel. Co-Chief scientist. Ship-time funded by MAGIC project.

MAGIC-UNIMI-UNITS07/09 2009 (JUNE, 2009, R/V UNIVERSITATIS). North-western Ionian Sea. Chief scientist. Ship-time funded by MAGIC project.

BOBGEO 2009 (OCTOBER, 2009, R/V POURQUOI PAS?). Bay of Biscay, North-eastern Atlantic sea. Responsible of acoustic data acquisition. Ship-time funded by IFREMER and CoralFISH project.

CETRARO (13-16 DECEMBER, 2008, R/V UNIVERSITATIS): Exploration survey for searching a shipwreck offshore Cetraro (southern Calabria). Southern Tyrrhenian Sea. Chief scientist. Ship-time funded by Calabrian region.

CISM II (8 – 19 JANUARY 2008, R/V UNIVERSITATIS), Southern Adriatic Sea and Valona gulf. Chief scientist. Ship-time funded by CISM project (Interreg Italia-Albania).

MEDECO (11-18 OCTOBER, 2007, R/V POURQUOI PAS?). Northern Ionian Sea. Involved to support the planning and the coordination of ROV Victor6000 inspections to explore, perform high resolution multibeam mapping and sample two coral mounds within the SML cold water coral province. Ship-time funded by IFREMER and EU-FP7 HERMES project.

LANDSCAPE OF WAR (30 JULY – 02 AUGUST, 2007, R/V UNIVERSITATIS). Northern Ionian Sea. Chief-scientist to map and characterize a number of shipwrecks from the II world-war off southern Calabria. Ship-time funded by “Landscape of war” project.

MESC2007bis (23-26 JULY, 2007, R/V UNIVERSITATIS). Sicily channel. Chief-scientist. Ship-time funded by MIUR (MESC project).

CISM I (21-26 MAY 2007, R/V UNIVERSITATIS), Southern Adriatic Sea and Valona gulf. Chief scientist. Ship-time funded by CISM project (Interreg Italia-Albania).

MESC2007 (26 FEBRUARY – 5 MARCH, 2007, R/V UNIVERSITATIS). Sicily channel. Chief-scientist. Ship-time funded by MIUR (MESC project).

ITALB (01-14 NOVEMBER 2006, R/V UNIVERSITATIS). Route survey (pipeline) from Durazzo to brindisi, Southern Adriatic Sea. Chief scientist. Ship-time funded by ILF (private company).

M70/1 (23 SEPTEMBER – 18 OCTOBER 2006, R/V METEOR). Western and eastern Mediterranean Sea. Involved to acquire seafloor mapping data (multibeam and SBP profiles) at different sites in the Mediterranean Sea, as a support for ROV QUEST4000 surveys that were performed to explore hotspots biodiversity ecosystems. Ship-time funded by MARUM and EU-FP7 HERMES project.

CORSARO (APRIL 2006, R/V URANIA). Western and Eastern Mediterranean Sea. Involved in seafloor mapping data acquisition at different sites, where living and dead cold-water coral occurrences were documented. Ship-time funded by CNR and EU-FP7 HERMES project.

MESC2006 (26-30 MAY, 2006, R/V UNIVERSITATIS). Sicily channel. Chief-scientist. Ship-time funded by MIUR (MESC project).

GAVIS (MARCH, 2006, R/V UNIVERSITATIS). Exploration survey on the virgin stock and on the habitat of the violet prawn (*Haristeus antennatus*) in the northern Ionian Sea. Responsible of acoustic data acquisition. Ship-time funded by ARPA, Puglia region (GAVIS project).

CIESM-SUBII (1-6 DECEMBER, 2005, R/V URANIA). Tyrrhenian sea. Responsible for navigation and acoustic data acquisition. Ship-time funded by CIESM (the Mediterranean Marine Science Network),

APLABESIII (SEPTEMBER-OCTOBER 2005, R/V UNIVERSITATIS). Northern Ionian Sea. Responsible for navigation and acoustic data acquisition. Ship-time funded by MIUR (FIRB program APLABES).

GECO (AUGUST 2005, R/V URANIA). Eastern Mediterranean Sea. Involved in seafloor mapping data acquisition at different sites in the eastern Mediterranean Sea (off Crete, Karpatos and Rhodes), to explore fossil assemblages of cold water corals. Ship-time funded by CNR and EU-FP7 HERMES project.

ATR72 OCEANOGRAPHIC CRUISE (14-20 AUGUST 2005, R/V UNIVERSITATIS). Southern Tyrrhenian sea. Exploration survey aimed at searching the airplane ATR72, which sunk off Palermo at -1400m of water depth on August 6, 2005. The survey was planned and organized by CoNISMa in collaboration with the Italian Military Navy. Chief-scientist. Ship-time funded by Italian Military Navy.

CIESM-SUBI (JULY, 2005, R/V UNIVERSITATIS). Tyrrhenian sea. Responsible of navigation and acoustic data acquisition. Ship-time funded by CIESM (the Mediterranean Marine Science Network),

ALBENGA_B (14-15 JULY 2005, R/V UNIVERSITATIS). Ligurian Sea, Identification and characterization of an ancient roman shipwreck. Chief scientist. Ship-time funded by the Dept. of National heritage of the Ligurian region.

APLABESII (MAY 2005, R/V UNIVERSITATIS). Northern Ionian Sea. Co-chief scientist, Ship-time funded by MIUR (FIRB program APLABES).

PATTI (JULY 2004, R/V UNIVERSITATIS). Southern Tyrrhenian Sea. Chief scientist and teaching activities for Master students, Ship-time funded by MIUR programme: “identification and experimental in situ treatment of contaminated marine sediments”).

APLABES I (JULY 2004, R/V UNIVERSITATIS). Northern Ionian Sea. Co-chief scientist, Ship-time funded by MIUR (FIRB program APLABES).

CILENTO (APRIL 2004, R/V UNIVERSITATIS). South-eastern Tyrrhenian Sea. Chief scientist, Ship-time funded by the “Authority of the left side Sele river basin, within the framework of the project” Sedimentological and stratigraphic study of the upper Pleistocene – Holocene deposits along the continental shelf between Acropoli and Sapri (south-eastern Tyrrhenian sea)”).

SALERNO (DECEMBER 2003, R/V UNIVERSITATIS). South-eastern Tyrrhenian Sea. Chief scientist, Ship-time funded by the “Administration Authority of Salerno”, within the framework of the project “Marine geophysical investigation aimed at searching relict sand deposits in the Salerno gulf (south-eastern Tyrrhenian sea)”).

MADDALENA (APRIL 2003, R/V UNIVERSITATIS). Western Ionian Sea. Chief scientist, Ship-time funded by CoNISMa, within the project “Environmental assessment and characterization of the Maddalena peninsula (eastern Sicily), to establishing Marine Protected Area zonation”.

COR2 (AUGUST 2002, R/V URANIA). Western and Eastern Mediterranean Sea. Seafloor mapping data acquisition at different sites, to explore fossil and living assemblages of cold water corals. Ship-time funded by CNR.

SARDEGNA (1 JULY – 12 SEPTMEBER 2000, R/V COOPERNAUT FRANCA). Western Mediterranean. Responsible of seafloor mapping data acquisition on the Continental shelf of Sardinian margin, in order to map *Posidonia oceanica* meadows. Ship-time funded by the Ministry of Environment.

EDITORIAL ACTIVITY

2021 – PRESENT: Member of the editorial board as **ASSOCIATE EDITOR** for the open access journal *Frontiers in Marine Geosciences* - <https://www.frontiersin.org/journals/earth-science/sections/marine-geoscience#editorial-board>

2024 – PRESENT: **GUEST EDITOR** ON “**MARINE GEOLOGY**” ELSEVIER – SPECIAL ISSUE “**QUATERNARY GEOMORPHOLOGICAL EVOLUTION OF CONTINENTAL AND INSULAR MARGINS**” (D. CASALBORE, D. CASAS, G. ERCILLA, A. SAVINI, S. KRSTEL) - [HTTPS://WWW.SCIENCEDIRECT.COM/SPECIAL-ISSUE/10FJXXZKHWD](https://www.sciencedirect.com/special-issue/10FJXXZKHWD)

2023 – PRESENT: **GUEST EDITOR** ON “**REMOTE SENSING**” MDPI – SPECIAL ISSUE “**MONITORING COASTAL AND MARINE ENVIRONMENTS BASED ON REMOTE SENSING DATA**” (L. FALLATI, A. SAVINI, G. CASAL) - [HTTPS://WWW.MDPI.COM/JOURNAL/REMOTESENSING/SPECIAL_ISSUES/85U5ATZ1162018](https://www.mdpi.com/JOURNAL/REMOTESENSING/SPECIAL_ISSUES/85U5ATZ1162018)

2021: **GUEST EDITOR** on **Water**, MDPI – special issue “**Landscape and Landforms of Terrestrial and Marine Areas**” (M. Soldati, F. Foglini, M. Prampolini, A. Savini) https://www.mdpi.com/journal/water/special_issues/Landscapes_Landforms_Marine

2015-2017: **GUEST EDITOR** on **Deep Sea Research PartII** – Topical Studies in Oceanography Elsevier (I.F. 2,69) – special issue “**Towards ecosystem based management and monitoring of the deep Mediterranean, North-East Atlantic and Beyond**”, (<https://www.sciencedirect.com/journal/deep-sea-research-part-ii-topical-studies-in-oceanography/vol/145>).

WORKSHOP & CONFERENCE

Member of the Scientific committee – International Conference on Seafloor Landforms, Processes and Evolution (ICSLPE). 3rd Edition. 20-24 July 2026. Durban, South Africa. <https://icslpe.com/>

Co-Convenor - session GM8.1/ co-organized by SSP3, co-sponsored by ILP and IAG "**Submarine Geomorphology**" EGU26 General Assembly, 3-8 May 2026.

<https://meetingorganizer.copernicus.org/EGU26/session/56794>.

Co-Convenor - session GM8.1/ Co-organized by OS4/SSP3, co-sponsored by ILP and IAG "**Submarine Geomorphology**" EGU25 General Assembly, 27 April - 2 May 2026.

<https://meetingorganizer.copernicus.org/EGU26/session/56794>.

Organizer and member of the Scientific committee – International Conference on Seafloor Landforms, Processes and Evolution (ICSLPE). Second Edition. 1-3 July 2024. Lipari, Italy. <https://icslpe.com>

Convenor - session GM9.6/Co-organized by OS2/SSP3 and co-sponsored by ILP and IAG "**Submarine Geomorphology and Subseafloor Seismic Geomorphology**" EGU24 General Assembly, 13-19 April 2024. <https://meetingorganizer.copernicus.org/EGU24/session/48079>.

Co-Convenor - session GM6.3/ OS4/SSP1 Co-sponsored by IAG "**Submarine Geomorphology and offshore Geohazards**" EGU23 General Assembly, 23-28 April 2023. <https://meetingorganizer.copernicus.org/EGU23/session/47040>.

Co-organizer and member of the Scientific committee – International Conference on Seafloor Landforms, Processes and Evolution. 4-6 July 2022. La Valletta, Malta. <https://www.um.edu.mt/event/seafloor2022>.

Co-Convenor - session GM6.10/ OS1/SSP3 Co-sponsored by IAG "**Submarine geomorphology**" EGU22 General Assembly, 23-27 May 2022. <https://meetingorganizer.copernicus.org/EGU22/session/43897>.

Co-Convenor - Session "Geology and Ecosystems" – SGI (Italian Geological Society) conference, Trieste, 14-16 September 2021.

Co-Convenor - session GM6.3/ OS4/SSP3 Co-sponsored by IAG "**Submarine geomorphology**" vEGU General Assembly 2021, 19-30 April.

https://meetingorganizer.copernicus.org/EGU21/session/40288#vPICO_presentations.

Co-Convenor - session "EP065 **Submarine and Seismic Geomorphology** " AGU2020, in the online format 1-17 December 2020.

Co-Convenor session GM6.7/OS4.31/SSP3.16 "**Submarine geomorphology, and advances in seabed mapping and classification**" EGU General Assembly 2020 in the online format (sharing Geoscience online https://egu2020.eu/sharing_geoscience_online/sharing_geoscience_online.html).

Co-Convenor session "EP11B **Submarine Geomorphology and Subseafloor Seismic Geomorphology for Paleoenvironmental Reconstruction**" AGU2019, San Francisco, USA, 9-13 December, 2019.

Co-Convenor session "**Submarine geomorphology**" Regional Conference on Geomorphology – Geomorphology of Climatically and Tectonically sensitive areas – RCG2019, Athens, Greece, 19-21 September, 2019.

Co-Convenor session GM11.1/OS4.29/SSP3.14/TS4.10 "**Submarine geomorphology**" EGU General Assembly 2019. Vienna, Austria, 7-12 April, 2019.

Co-Convenor session GM11.1/OS4.12/SSP3.24 "**Submarine geomorphology**" EGU General Assembly 2018. Vienna, Austria, 8-13 April, 2018

Co-Convenor session "**Submarine Geomorphology - S30**" - 9th International Congress of Geomorphology. New Delhi, India, 6-11 November, 2017.

Convenor special session "**Acquisition, processing and interpretation of marine geology data**" METROSEA – IMEKO TC19 - Workshop on metrology for the sea, Naples, Italy, 11-13 October, 2017.

Co-Convenor session "GM12.1/NH5.10/SSP3.19 "**Seafloor- and Sub-seafloor Expression of Geomorphic and Tectonic Processes**" EGU General Assembly 2016. Vienna, Austria, 17-22 April, 2016.

Co-convenor for the national workshop "COMPARAZIONE DI FORME E PROCESSI IN DIVERSI CONTESTI GEOLOGICI DEI FOGLI MAGIC". Rome, ISPRA, 14-15 December, 2011.

RELEVANT SEMINARS AND KEYNOTE LECTURE

- *Submarine Geomorphology and Habitat Mapping across scales*. A. Savini (September 2026). Invited Keynote Speaker at the **5th Deep Water Circulation Research Conference** (Bremen, Germany, 1-5 September 2026).
- *Submerged Symphony: Unveiling the Hidden Dynamics of Coral Reef Landforms and Landscapes through Integrated Shallow and Deep Mapping Approaches*. A. Savini (January 2024). Invited talk at the **3rd INQUA-MARE workshop: Tropical Realm** (Costa Rica – 09/11 January 2024).
- *Bridging the gap between the land and the sea for environmental Geology: the role of Geospatial Dataset and the experience from the Erasmus+ BridgET project*. A. Savini (November 2022). Invited talk at the **Arctic University of Norway (UiT)**, for the Master Course in Environmental Geology, 14th November 2022.
- *Coupling optical and acoustic remote sensing techniques in coral reef environments for geomorphological studies*. A. Savini (November 2021). Invited talk at The **University of Haifa**, Department of Marine Geosciences, for the Seminar Program – Semester A (2021-22), 22 November 2021.
- *Natural gas seepage in marine setting and implications in relation to climate change*. A. Savini (October 2021). Invited lecturer at the **INES school** (International School on INtegrated Environmental Studies in the Arctic).
- *Photomosaic from the seafloor: a way forward for an improved understanding of the marine geoscience puzzle at cold seep sites*. A. Savini (November 2021). Invited talk for the **AKMA workshop**, carried out in the framework of project AKMA (Advanced Knowledge of Methane in the Arctic). Tromsø, 2-5 November, 2021.
- *The importance of multiple and multiscale dataset for habitat and geomorphological mapping: a case study from the Mediterranean Sea*. A. Savini (February 2020). Invited talk at the **Arctic University of Norway (UiT)**, Department seminars spring 2020.
- *Marine Geohazard and Implication for Offshore Resources Management: the experience in CoNISMa for the MAGIC project*. A. Savini & F. Chiocci (May 2018) – Invited talk at “**Jornadas del CUIA en Argentina**” X edition, 2-15 May 2018.

EVALUATOR AND REFEREE

2025 – 2026: Expert evaluator and panel member for research proposals submitted to the Portuguese Foundation for Science and Technology (FCT) national funding programmes.

2024: Proposal Reviewer for CNRS

2014 – 2015: External evaluator for CNR shiptime (R/V Urania) requests.

2019: Proposal reviewer for National Science Foundation.

Referee for the following journals: *Frontiers in Marine Geosciences*, *Frontiers in Marine Sciences*, *Basin Research*, *Marine Geology*, *Journal of Continental Shelf Research*, *Marine and Petroleum Geology*, *Natural Hazards and Earth System Sciences*, *Deep-sea Research*, *Geodiversitas*, *Journal of Coastal Research*, *Geological Society of London (Spec. Pub.)*, *Geosciences*, *Water*, *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*.

TECHNICAL SKILLS

GIS & CARTHOGRAPHY for marine and coastal environments.

SEDIMENTOLOGY: Sediment samples collection at sea using grab and gravity/box core. Core logs and sediment descriptions.

Applied OCEANOGRAPHY: Navigation and positioning. Coordination of research activities carried out on board oceanographic vessels, for geomorphological, sedimentological and multidisciplinary purposes. Coordination of seabed exploration through the use of observational and work-class Remotely Operated Vehicles (ROV).

MARINE GEOPHYSICAL SURVEYS: Single-Beam and MultiBeam echosounders (R2Sonic2022; Reson Seabat (8111, 8125, 8160, 7111, 7125, 7150); Simrad EM710-EM712-EM120); Side scan Sonar systems: SSS/SBP Datasonic-Benthos SIS 1000; Klein3000; Edge Tech EG&G 260; Edge Tech EG&G 4200; Seismic: Sub-Bottom Profiler systems: GeoAcoustics GeoChirp II; Datasonic ChirpII; Sparker: multi-tip Sparker Applied GeoAcoustic; AirGun: MINIGUN – Sleeve Gun 10

COMPUTER SKILLS AND COMPETENCES:

SOFTWARE PACKAGES: QPS® software package for navigation and data processing; PDS2000®; CARIS HIPS&SIPS®7.0; Triton Elrics International (TEI) suite (Isis - DelphMap – DelphSeismic Plus); SonarWiz®; SeaView®; SB-Interpreter; Golden Software Surfer; RSI - Envi; Autodesk AutoCAD 2025 and autoCAD Raster design; Adobe Photoshop CC 2019; Global Mapper®; ArcView 3.2; ArcGis 10; ArcGIS Pro®

OUTREACH AND COMMUNICATION ACTIVITIES

- October 2021 – January 2022: member of the scientific team for the exhibition *IllusiOcean: dove Scienza, Mare ed Illusioni si incontrano* (<https://www.illusiocean.it/>).
- 27 May 2020: Interview on main national TV news (Italian Tg1) about the impact of plastic and microplastic in the marine environment, and the effects of the COVID-19 lockdown on marine and terrestrial ecosystems.
- 29 March 2018: Invited speaker during the communication event “*Oceani di Plastica e di Ghiaccio: un Viaggio attraverso racconti e proposte per salvare il mare* (Plastic and Polar Oceans: a Journey through stories and proposals to save the seas)” organised by the University of Milano-Bicocca.
- 8 June 2017: Communication event “Our ocean, our future”, scientific happy-hour for the “World Ocean Day” - member of the organizing committee.
- September 2018 and September 2019: Communication event “MARHE Lab” for “MEETmeTONIGHT Face to face with Research, the annual initiative included in the European Researchers’ night circuit and promoted by the European Commission in all European countries - member of the organizing committee.
- 2017: Communication event “dietro le quinte della ricerca in mare” for “MEETmeTONIGHT 2017” - Coordinator.
- 2005: Interview on a national Radio (radio2) about the marine survey performed to search the ATR72 aircraft sunk offshore Palermo on 5 August 2005.
- 2004: Interview on national TV programme (Tg1 Mattina) about the biodiversity of cold-water corals in Mediterranean Sea (Santa Maria di Leuca cold-water province).
- 2004: Interview on a national TV programme (linea blu) on seafloor mapping activities on board R/V *Universitatis*.

TEACHING QUALIFICATION AND EXPERIENCE

- | | |
|------|---|
| 2022 | Achievement of the National Scientific Habilitation (ASN) to full professor in applied geology, physical geography and geomorphology. |
| 2018 | Achievement of the National Scientific Habilitation (ASN) to associate professor in applied geology, physical geography and geomorphology. |
| 2017 | Achievement of the National Scientific Habilitation (ASN) to associate professor in structural geology, stratigraphic geology, sedimentology and palaeontology. |

Alessandra Savini joined the Department Geology and Geotechnologies (now joined with the Dept. of Earth and Environmental Sciences) at Milano Bicocca University as adjunct professor in 2005, just after the completion of her PhD, to promote the field of geo-marine sciences within the Department’s course of studies.

From 2021 to 2024 Alessandra Savini was Deputy Chair of the **international MSc in Marine Sciences**, where she was member of the study plan committee and coordinated (since 2018) stages and internship projects opportunities (of 4, 6 or 12 CFU) for all enrolled students, also exploiting ERASMUS+ grants.

Present-day teaching duties since A.Y. 2019/2020:

- **Fundamentals of Marine Physical Geography** (renamed “Marine Geomorphology” from AY 2026/27) International MSc in Marine Sciences and MSc (6 CFU) in Geological Sciences and Geotechnologies (8 CFU)
- **Applied Marine Geology** (2 CFU) International MSc in Marine Sciences and MSc in Geological Sciences and Geotechnologies
- **Applied Geomorphology and Habitat** (2 CFU) International MSc in Marine Sciences and MSc in Geological Sciences and Geotechnologies
- **Introduzione alla geografia degli oceani** (4 CFU) BSc in Geological Sciences and Geotechnologies

A.Y. 2018/2019; A.Y. 2017/2018; A.Y. 2016/2017

- **Introduction to Marine Physical Geography** (4 CFU) International MSc in Marine Sciences
- **Applied Geomorphology and Habitat** (2 CFU) International MSc in Marine Sciences and MSc in Geological Sciences and Geotechnologies

- **Introduzione alla Geografia Fisica Marina** (2 CFU) MSc in Geological Sciences and Geotechnologies

A.Y. 2015/2016

- **Marine Geomorphology** (8 CFU) MSc in Geological Sciences and Geotechnologies

A.Y. 2014/2015

- **Marine Geomorphology I** (6 CFU) MSc in Geological Sciences and Geotechnologies
- **Geomorfologia marina II** (4 CFU) MSc in Geological Sciences and Geotechnologies

A.Y. 2011/2012

- **Laboratory in Marine Geomorphology** (8 CFU) MSc in Geological Sciences and Geotechnologies.
- **Marine Geomorphology I** (6 CFU) MSc in Geological Sciences and Geotechnologies.

A.Y. 2010/2011; A.Y. 2009/2010

- **Geomorfologia Marina** (II module – deep systems - 4 CFU) MSc in Geological Sciences and Geotechnologies
- **Laboratory in marine geomorphology** (8 CFU) – MSc in Geological Sciences and Geotechnologies

A.A. 2008/2009; A.A. 2007/2008

- **Marine geology II** (5 CFU) MSc in Geological Sciences and Geotechnologies
- **Laboratory in Coastal Marine Geology** – (5 CFU) MSc in Geological Sciences and Geotechnologies

A.A. 2005/2006

- **Marine geology II** (5 CFU) MSc in Geological Sciences and Geotechnologies

DOCTORATE SCHOOLS AND OTHER COURSES

2022-present: Member of the Teaching Board of the **Doctoral School in Marine Sciences, Technology and Management (MTM)** - a consortium doctorate offered by the University of Milano-Bicocca with the Italian Institute of Technology (IIT).

2022 – present: Teaching activity for the MTM Doctoral School in Marine Sciences, Technology and Management (MTM), University of Milano-Bicocca, in “Habitat Mapping for Ecosystem-based Management of the Deep Sea (1 CFU)”.

2026: **Member of the Evaluation committee** for the final dissertation of the Doctoral thesis entitled “*From seafloor morphodynamic to geohazard quantification: a multidisciplinary study of submarine canyon evolution along the Ionian Calabrian margin*” – PhD candidate Nora Markežic – for the Doctorate Program in Earth sciences, fluid dynamics and mathematics” – University of Trieste, Italy.

2024: **External examiner** for the final dissertation of the Doctoral thesis entitled “The role of abiotic and biotic interactions in deep-sea benthic habitats of the northeastern Gulf of Cádiz: Modeling and mapping seabed: a multidisciplinary approach to improve management and conservation” – PhD candidate Pablo Lozano Ordóñez – for the Doctorate Program in Marine Management and Conservation at the University of Cadiz (Spain).

2024 - Co-organizer, providing instrumentation, for the training course in “**Mapping and Monitoring technologies in coral Reef environments**”, held at the MARHE center (www.marhe.unimib.it) for Phd candidates, MSc students and professionals.

2023: **External examiner** for the final dissertation of the Doctoral thesis entitled “The application of machine learning and 3D photogrammetry for Cold-Water Coral habitat classification in the NE Atlantic” – PhD candidate Larissa Macedo Cruz de Oliveira – at the School of Biological, Earth & Environmental Sciences, University College Cork (Ireland).

2023 - Co-organizer, providing instrumentation, for the training course in “**Mapping and Monitoring technologies in coral Reef environments**”, held at the MARHE center (www.marhe.unimib.it) for Phd candidates, MSc students and professionals.

2021-2022: **External examiner** for tests taken by students in the PhD school of the Faculty of Science and Technology Department of Geosciences of the Arctic University of Norway (UiT).

2022-2024: Organization of 3 summer Schools for MSc students within the framework of the **Erasmus+ BridgET project** (<https://bridget.unimib.it/>), focused on collecting, processing and analyzing 3D multisource and multiscale geospatial dataset for geo-hazard assessment in climatically and tectonically sensitive coastal areas (Santorini, Mt. Etna and Maldives).

2017-2020: Student tutoring within the framework of the **Erasmus+ 3DTeLC - Bringing the 3D world into the classroom: a new approach to teaching, learning and communicating the science of geohazard in terrestrial and marine environment** - 2017-2020, with field activity and frontal lectures on *on-shore, near-shore* and *offshore* geospatial data integration on coastal environment for geohazard assessment.

2020 - online Doctorate School in **“Seafloor mapping e Marine Management”**, Milano-Bicocca University, 15-16 October 2020, Milan, Italy. Doctorate School coordinator.

2019 - Organizer, coordinator and student tutoring for the training course in **“Mapping technologies in coral Reef environments”**, on behalf of the *Submarine Geomorphology Working Group* (<http://www.geomorph.org/submarine-geomorphology-working-group/> - IAG), held at the MARHE center (<https://marhe.unimib.it/activities/education/mapping-technologies-in-coral-reefs-environments/>) for Phd and Master students and professionals.

2011-2018: Tutoring for student internships in **Tropical Marine Ecology** (4 CFU) with field activities and lessons on geomorphology of coral-reef ecosystems (April 2011; October 2016; February 2017; February 2018).

2017 - Doctorate School in **“Seafloor mapping e Marine Resource Management”**, Milano-Bicocca University, 19-20 October 2017, Milan, Italy. Doctorate School coordinator.

2014-2017: Participation to Doctorate Committee in “Chemical, geological and Environmental Sciences” for the XXIX, XXX, XXXI e XXXII cycles at the University of Milano Bicocca.

2014 - Participation to the Doctorate Committee within the framework of the Doctorate School in Mediterranean Marine Sciences funded by the National Project RITMARE

2011: Frontal lectures on **“physical oceanography and coastal geomorphology”** for post-graduate specialization (II level University Master Degree) in “Marine Sciences for Sustainable Development”, held at the MarHE Centre (Marine Research and High Education Centre), in Maldives.

2004-2005: Frontal lectures and coordination of practical activities on **“seafloor mapping techniques”** (120 hours of frontal lectures and 40 hours of practical classes on board the R/V *Universitatis*), for postgraduate students of the 1st level Master “identification and experimental in situ treatment of contaminated marine sediments”, founded by MIUR and organized by CoNISMa

2004 - Frontal lectures and coordination of practical activities on **“seafloor mapping techniques”** (16 hours of frontal lectures and 16 hours of practical classes on board the R/V *Universitatis*) for the “postgraduate training programme on marine survey techniques and methods applied to underwater archaeology”, organized by CoNISMa and Marenostum foundation and under the sponsorship of “Archelogia viva”.

GRADUATE AND POST-GRADUATE STUDENT SUPERVISION

Since 2010 Alessandra Savini tutored or co-tutored more than 50 BSc and MSc thesis projects at the University of Milano-Bicocca and was supervisor of a number of graduate, post-graduate and post-doc fellowships.

She was supervisor of 3 PhD candidates:

2012 – 2016: Dr. Fabio Marchese - ORCID profile: <https://orcid.org/0000-0001-8384-3019>

2016 – 2020: Dr. Luca Fallati - ORCID profile: <https://orcid.org/0000-0002-5816-6316>

2022 – 2025: Dr. Andrea Giulia Varzi - ORCID profile: <https://orcid.org/0000-0002-4001-2343>

Alessandra Savini is currently supervising 3 PhD candidates, on marine geosciences research topics (University of Milano Bicocca, Dept. Of Earth and Environmental Sciences).

PUBLICATIONS

BOOKS

SP.1 Micallef A; Krastel S; **Savini A** (eds.) (2018). Submarine Geomorphology. Springer.

ISI JOURNALS AND BOOK'S CHAPTERS:

SP.2 Marco Marcelli, Sergio Scanu, Daniele Piazzolla, Simone Bonamano, Alice Madonia, Giorgio Fersini, Viviana Piermattei, Mar Bosch-Belmar, Francesco Paolo MANCUSO, Giulia Ceccherelli, Annalisa Falace, Paola Del Negro, **Alessandra Savini**, Ivan Federico, Giovanni Coppini, Nadia Pinardi and Gianluca Sarà (2026). Holistic approach to restore marine ecosystems: RENOVATE project. *Front. Mar. Sci.* 13:1770070. <https://doi.org/10.3389/fmars.2026.1770070>.

SP.3 Argentino, C., Fallati, L., Petters, S., Bernstein, H. C., Barrenechea Angeles, I., Corrales-Guerrero, J., **Savini, A.**, Ferré, B., and Panieri, G. (2026): Seafloor chemosynthetic habitats and AOM-influenced sediment microbiome at a cold-water coral site off the Vesterålen coast, northern Norway, *Biogeosciences*, 23, 3139–3157, <https://doi.org/10.5194/bg-23-3139-2026>, 2026

SP.4 Fereshteh Hemmateenejad, Luca Fallati, Giuliana Panieri, Pedro A. Ribeiro, Bénédicte Ferré, Francesca Schivalocchi, Chiara Fusca, **Alessandra Savini**. (2026) Seafloor-image analysis techniques to highlight the role of substrate as a driver of benthic community structure in Arctic cold seep areas. *Limnol. Oceanogr.* 71, 2026, e70312. <https://doi.org/10.1002/lno.70312>

SP.5 Grande V, Angeletti L, Prampolini M, Castellan G, Dalla Valle G, Frascchetti S, Basso D, Berov D, Bracchi VA, Cardone F, Chimienti G, Falace A, Galil B, Mastrototaro F, Salomidi M, **Savini A**, Schembri PJ, Todorova V, Taviani M and Foglini F (2025) CoDeMap: a classification scheme for benthic habitats from the coast to the deep sea in the Mediterranean and Black Sea. *Front. Mar. Sci.* 12:1663369. doi: 10.3389/fmars.2025.1663369

SP.6 Panieri, G., Argentino, C., **Savini, A.**, Ferré, B., Hemmateenejad, F., Eilertsen, M. H., Mattingsdal, R., Ramalho, S. P., Eidvin, T., Youngs, S., Colson, B. C., Pauline, A., Kapit, J. A., Swanborn, D., Rogers, A. D., Angeles, I. B., Polteau, S., Kalenitchenko, D., Buenz, S., & Mazzini, A. (2025). Sanctuary for vulnerable Arctic species at the Borealis Mud Volcano. *Nature Communications*, 16(1). <https://doi.org/10.1038/s41467-024-55712-x>

SP.7 Mari H. Eilertsen, Marte L.B. Klemetsdal, Jon A. Kongsrud, Anne Helene S. Tandberg, Tom Alvstad, Brenda L. Esteban Vazquez, **Alessandra Savini**, Claudio Argentino, Giuliana Panieri (2025). Faunal communities of Arctic deep-water methane seeps are specialised with links to hydrothermal vents. *Deep-Sea Research I* 225 (2025) 104594. <https://doi.org/10.1016/j.dsr.2025.104594>

SP.8 Campiani, E., Corselli, C., **Savini, A.**, Foglini, F., Dalla Valle, G., Gariboldi, K., Leidi, E., Marchese, F., Mercorella, A., & Trincardi, F. (2025). Geohazard features of the Southern Apulia. *Journal of Maps*, 21(1). <https://doi.org/10.1080/17445647.2024.2429707>

SP.9 Coletti G., Borromeo L., Fallati L., Savini A., ... Taccola G. (2025). Combining instrumental, historical, and coastal marine sedimentary archives to analyse floods variability in northwestern Italy during the last thousand years. *Quaternary Sciences Advances* 19 (2025) 100289, <https://doi.org/10.1016/j.qsa.2025.100289>

SP.10 ICES (2025). Workshop on Nature Restoration and Recovery (WKREST). ICES Scientific Reports. Report. <https://doi.org/10.17895/ices.pub.28759463.v1>

SP.11 Piazzolla, D., Scanu, S., Mancuso, F.P., ... **Savini A**, et al. (2024) An integrated approach for the benthic habitat mapping based on innovative surveying technologies and ecosystem functioning measurements. *Sci Rep* 14, 5888 (2024). <https://doi.org/10.1038/s41598-024-56662-6>

SP.12 G. Panieri, C. Argentino, S.P. Ramalho, F. Vulcano, **A. Savini**, L. Fallati, T. Brekke, G. Galimberti, F. Riva, J. Balsa, M.H. Eilertsen, R. Stokke, I.H. Steen, D. Sahy, D. Kalenitchenko, S. Büenz, R. Mattingsdal (2024) An Arctic natural oil seep investigated from space to the seafloor. *Science of the Total Environment*, 907 (2024), Article 167788, 10.1016/j.scitotenv.2023.167788. <https://doi.org/10.1016/j.scitotenv.2023.167788>

- SP.13** Morelli D, Migeon S, Locatelli M, Cianfarra P, Crispini L, Corradi N, **Savini A** et al. (2024) Geohazard features of the Ligurian Sea. *Journal of Maps* 20 (1), 2342920.
- SP.14** AG Varzi, M Meschis, L Fallati, G Scicchitano, V De Santis, G Scardino, D Basso, VA Bracchi and **A Savini** (2024) New chronology for submerged relict paleoshorelines and associated rates of crustal vertical movements offshore the Marzamemi village, Sicily (Southern Italy) - *Marine Geology*, 107326. <https://doi.org/10.1016/j.margeo.2024.107326>
- SP.15** Di Lauro, F., Fallati, L., Fontana, S., **Savini, A.**, Sorrenti, D.G. (2024). Automatic Alignment of Multi-scale Aerial and Underwater Photogrammetric Point Clouds: A Case Study in the Maldivian Coral Reef. In: Foresti, G.L., Fusiello, A., Hancock, E. (eds) *Image Analysis and Processing - ICIAP 2023 Workshops. ICIAP 2023. Lecture Notes in Computer Science*, vol 14365. Springer, Cham. https://doi.org/10.1007/978-3-031-51023-6_37
- SP.16** Fallati L, Panieri G, Argentino C, Varzi AG, Bünz S and **Savini A** (2023) Characterizing Håkon Mosby Mud Volcano (Barents Sea) cold seep systems by combining ROV-based acoustic data and underwater photogrammetry. *Front. Mar. Sci.* 10:1269197. doi: 10.3389/fmars.2023.1269197
- SP.17** A.G. Varzi, L. Fallati, **A. Savini**, V. A. Bracchi, P. Bazzicalupo, A. Rosso, R. Sanfilippo, M. Bertolino, M. Muzzupappa, D. Basso (2022) Geomorphology of coralligenous reefs offshore southeastern Sicily (Ionian Sea). *Journal of Map* - <https://doi.org/10.1080/17445647.2022.2161963>
- SP.18** Bracchi VA, Bazzicalupo P, Fallati L, Varzi AG, **Savini A**, Negri MP, Rosso A, Sanfilippo R, Guido A, Bertolino M, Costa G, De Ponti E, Leonardi R, Muzzupappa M and Basso D (2022) The Main Builders of Mediterranean Coralligenous: 2D and 3D Quantitative Approaches for its Identification. *Front. Earth Sci.* 10:910522. <https://doi.org/10.3389/feart.2022.910522>
- SP.19** Bialik OM, Varzi AG, Durán R, Le Bas T, Gauci A, **Savini A** and Micallef A (2022) Mesophotic Depth Biogenic Accumulations ("Biogenic Mounds") Offshore the Maltese Islands, Central Mediterranean Sea. *Front. Mar. Sci.* 9:803687. <https://doi.org/10.3389/fmars.2022.803687>
- SP.20** Bonali, F.L.; Russo, E.; Vitello, F.; Antoniou, V.; Marchese, F.; Fallati, L.; Bracchi, V.; Corti, N.; **Savini, A.**; Whitworth, M.; et al (2022). How Academics and the Public Experienced Immersive Virtual Reality for Geo-Education. *Geosciences* 2022, 12, 9. <https://doi.org/10.3390/geosciences12010009>
- SP.21** Argentino C., **Savini A.**, Panieri G. (2022) Integrating Fine-Scale Habitat Mapping and Pore Water Analysis in Cold Seep Research: A Case Study from the SW Barents Sea. In: Mienert J., Berndt C., Tréhu A.M., Camerlenghi A., Liu CS. (eds) *World Atlas of Submarine Gas Hydrates in Continental Margins*. Springer, Cham. https://doi.org/10.1007/978-3-030-81186-0_43
- SP.22** **Savini A.**, Krastel S and Micallef A (2021). Perspectives on Submarine Geomorphology: An Introduction. Reference Module in Earth Systems and Environmental Sciences, Elsevier, ISBN: 9780124095489 - <https://doi.org/10.1016/B978-0-12-818234-5.00192-9>.
- SP.23** Micallef A., Krastel S and **Savini A.** (2021). Submarine Geomorphology. *Geological Society, London, Memoirs* (2021):M58-2021-2. <http://dx.doi.org/10.1144/M58-2021-2>
- SP.24** Leoni B., Zanotti C., Nava V., Rotiroti M., Stefania G.A., Fallati L., Soler V., Fumagalli L., **Savini A.**, Galli P., Bonomi T. (2021) Fresh water system of coral inhabited island: availability and vulnerability (Magoodhoo Island of Faafu Atoll – Maldives). *Science of the Total Environment*, 785, 147313, <https://doi.org/10.1016/j.scitotenv.2021.147313>.
- SP.25** Soldati, M.; Prampolini, M.; Foglini, F.; **Savini, A.** (2021) Landscapes and Landforms of Terrestrial and Marine Areas: A Way Forward. *Water*, 13, x, <https://doi.org/10.3390/w13091201>
- SP.26** Salu F., Meucci E., Allevi C., **Savini A.**, Imiete I.E., Della Pergola R. (2021) Evaluation of chitosan aggregates as pickering emulsifier for the remediation of marine sediments. *Chemosphere* (273) 129733. <https://doi.org/10.1016/j.chemosphere.2021.129733>
- SP.27** **Savini, A.**; Bracchi, V.A.; Cammarosano, A.; Pennetta, M.; Russo, F. (2021) Terraced Landforms Onshore and Offshore the Cilento Promontory (South-Eastern Tyrrhenian Margin) and Their Significance as Quaternary Records of Sea Level Changes. *Water* 2021, 13, 566. <https://doi.org/10.3390/w13040566>
- SP.28** Basso D. & **Savini A.** (2021) Shoreline changes in response to sea-level rise: Are Maldivian atolls really disappearing? In: Malatesta S, Schmidt di Friedberg M, Zubair S, Mohamed M and Bowen D (eds.) *Atolls of the Maldives: Nissology and Geography*. Rowman and Littlefield International – Book Series – Rethinking the islands. Chapter 10. ISBN 978-1-78660-661-7

- SP.29** Prampolini M, **Savini A.**, Foglini F., Soldati M. (2020) Seven Good Reasons for Integrating Terrestrial and Marine Spatial Datasets in Changing Environments. *Water* 2020, 12, 2221.
- SP.30** Fallati L., Saponari L., **Savini A.**, Marchese F., Corselli C. Galli, P. (2020) Multi-Temporal UAV Data and Object-Based Image Analysis (OBIA) for Estimation of Substrate Changes in a Post-Bleaching Scenario on a Maldivian Reef. *Remote Sens.* 2020, 12, 2093
- SP.31** Marchese F., Bracchi V.A., Lisi G., Basso D., Corselli C. & **Savini A.** (2020). Assessing Fine-Scale Distribution and Volume of Mediterranean Algal Reefs through Terrain Analysis of Multibeam Bathymetric Data. A Case Study in the Southern Adriatic Continental Shelf. *Water* 12(1):157 DOI:10.3390/w12010157
- SP.32** Fallati L., Polidori A., Salvatore C., Saponari L., **Savini A.**, Galli P. (2019). Anthropogenic Marine Debris assessment with Unmanned Aerial Vehicle imagery and deep learning: A case study along the beaches of the Republic of Maldives. *Science of the Total Environment* 693 (2019) 133581. <https://doi.org/10.1016/j.scitotenv.2019.133581>
- SP.33** Foglini F, Grande V, Marchese F, Bracchi VA, Prampolini M, Angeletti L, Castellan G, Chimienti G, Hansen IM, Gudmundsen M, Meroni AN, Mercorella A, Vertino A, Badalamenti F, Corselli C, Erdal I, Martorelli E, **Savini A** and Taviani M (2019). Application of Hyperspectral Imaging to Underwater Habitat Mapping, Southern Adriatic Sea. *Sensors* (19) 2261; doi:10.3390/s19102261
- SP.34** Boavida JRH, Becheler R, Choquet M, Frank N, Taviani M, Bourillet JF, Meistertzheim AL, Grehan A, **Savini A**, Arnaud-Haond S, (2019). Out of the Mediterranean? Post-glacial colonization pathways varied among cold-water coral species. *J Biogeogr.* 2019;46:915–931. <https://doi.org/10.1111/jbi.13570>
- SP.35** Bracchi V.A., Basso D., **Savini A.** and Corselli C. (2019). Algal reefs (Coralligenous) from glacial stages: origin and nature of a sub-merged tabular relief (Hyblean Plateau, Italy). *Marine Geology* (411) 119-132.
- SP.36** Bonali FL, Tibaldi A, Marchese F, Fallati L, Russo E, Corselli C, **Savini A** (2019). UAV-based surveying in volcano-tectonics: an example from the Iceland rift. *J. Struct. Geol.* (121) 46–64.
- SP.37** Lo Iacono C., **Savini A.**, Huvenne V.A.I, Gracia E (2019) Habitat Mapping of Cold-Water Corals in the Mediterranean Sea. In: Orejas C., Jimenez C. *Mediterranean Cold-Water Corals: Past, Present and Future. Coral reefs of the World 9* – Springer https://doi.org/10.1007/978-3-319-91608-8_15.
- SP.38** **Savini A.**, Pinson S., Bistacchi A. and C.W. Holland (2018). Imaging shallow gas migration pathways in a mud-volcano province using an autonomous underwater vehicle (Malta Plateau, Mediterranean Sea). *Near Surface Geophysics*, doi: 10.1002/nsg.12017
- SP.39** Coletti G., Bracchi V.A., Marchese F., Basso D., **Savini A.**, Vertino A., Corselli C. (2018) Quaternary build-ups and rhodalgal carbonates along the Adriatic and Ionian coasts of the Italian peninsula: a review. *Rivista Italiana di Paleontologia e Stratigrafia (Research in Paleontology and Stratigraphy)* 124(2): 387-406
- SP.40** Micallef A, Krastel S, **Savini A** (2018). Introduction. In: Micallef A; Krastel S; Savini A, *Submarine Geomorphology*. p. 1-9, Springer, ISBN: 978-3-319-57851-4, doi: 10.1007/978-3-319-57852-1_1
- SP.41** Micallef A, Krastel S, **Savini A** (2018). Conclusion. In: Micallef A; Krastel S; Savini A, *Submarine Geomorphology*. p. 1-9, Springer, ISBN: 978-3-319-57851-4, doi: 10.1007/978-3-319-57852-1_27
- SP.42** Lo Iacono C, **Savini A**, Basso D (2018). Cold-Water Carbonate Bioconstructions. In: Micallef A., Krastel S., Savini A, *Submarine Geomorphology*. p. 425-455, Springer, ISBN: 978-3-319-57851-4, doi: 10.1007/978-3-319-57852-1_22
- SP.43** Grehan A. J., Arnaud-Haond S., D'Onghia G., **Savini A.**, Yesson C. (2017). Towards ecosystem based management and monitoring of the deep Mediterranean, North-East Atlantic and Beyond. *Deep-Sea Research. Part 2. Topical Studies In Oceanography*, vol. 145, p. 1-7, ISSN: 0967-0645, doi: 10.1016/j.dsr2.2017.09.014
- SP.44** Bracchi V, Basso D, Marchese F, Corselli C, **Savini A** (2017). Coralligenous morphotypes on subhorizontal substrate: A new categorization. *Continental Shelf Research*, vol. 144, p. 10-20, ISSN: 0278-4343, doi: 10.1016/j.csr.2017.06.005
- SP.45** Marchese, F., Bracchi, V.A., Basso, D., Corselli, C., **Savini, A.** (2017) Using geomorphometric techniques to assess spatial distribution and volume of coralligenous bioconstructions (Mediterranean sea). *IMEKO TC19 Workshop on Metrology for the Sea, MetroSea 2017: Learning to Measure Sea Health Parameters 2017-October*, pp. 252-254.
- SP.46** **Savini, A.**, Taviani, M., Marchese, F., (...), Freiwald, A., Sarrazin, J. (2017) Measuring growth structure of reef frameworks in Mediterranean deep-water coral-topped mounds. *IMEKO TC19 Workshop on*

Metrology for the Sea, MetroSea 2017: Learning to Measure Sea Health Parameters 2017-October, pp. 101-103

- SP.47** Bargain A, Marchese F., **Savini A.**, Taviani M., Fabri MC (2017). Santa Maria di Leuca province (Mediterranean Sea): Identification of suitable mounds for cold-water coral settlement using geomorphometric proxies and maxent methods. *FRONTIERS IN MARINE SCIENCE*, vol. 4, 338, ISSN: 2296-7745, doi: 10.3389/fmars.2017.00338
- SP.48** Fallati, L, **Savini, A**, Sterlacchini, S, Galli, P. (2017). Land use and land cover (LULC) of the Republic of the Maldives: first national map and LULC change analysis using remote-sensing data. *ENVIRONMENTAL MONITORING AND ASSESSMENT*, vol. 189, p. 1-15, ISSN: 0167-6369, doi: 10.1007/s10661-017-6120-2
- SP.49** Davies JS, Guillaumont B, Tempera F, Vertino A, Beuck L, Ólafsdóttir SH, Smith C, Fosså JH, Van den Beld IMJ, **Savini A**, Rengstorf A, Bayle C, Bourillet JF, Arnaud-Haond S, Grehan A. (2017). A cold-water coral biota classification scheme for ecosystem-based management of the deep sea. *Deep-Sea Res. Part 2. Topical Studies in Oceanography* vol. 145, p. 102-109.
- SP.50** D'Onghia G, Calculli C, Capezzuto F, Carlucci R, Carluccio A, Grehan A, Indennitate A, Maiorano P, Mastrototaro F, Pollice A, **Savini A**, Sion L, Tursi A. (2017). Anthropogenic impact in the Santa Maria di Leuca cold-water coral province (Mediterranean Sea): observations and conservation straits. *Deep-Sea Research. Part 2. Topical Studies in Oceanography* Vol. 145, p. 87-101.
- SP.51** Bracchi V.A., Marchese F., **Savini A.**, Chimienti G., Mastrototaro F., Tessarolo C., Cardone F., Tursi A & Corselli C. (2016). Seafloor integrity of the Mar Piccolo basin (southern Italy): quantifying anthropogenic impact. *Journal of map*. DOI: 10.1080/17445647.2016.1152920
- SP.52** **Savini A.**, Marchese F., Verdicchio G. and Vertino A. (2016) Submarine slide topography and the distribution of vulnerable marine ecosystems: a case study in the Ionian Sea (eastern Mediterranean). In: Lamarche G, et al. (eds) *Submarine mass movements and their consequences, Advances in Natural and Technological Hazards Research*, Springer, Dordrecht, 41, pp 163–170.
- SP.53** Boero, F., Foglini, F., Frascchetti, S., (...), Petrenko, A., Rammou, A.-M. (2016) CoCoNet: Towards coast to coast networks of marine protected areas (From the shore to the high and deep sea), coupled with sea-based wind energy potential. *SCIRES-IT* 6, pp. 1-95
- SP.54** Bracchi V., **Savini A.**, Marchese F., Palamara S., Basso D., Corselli C., (2015). Coralligenous habitat in the Mediterranean Sea: a geomorphological description from remote data. *Ital. J. Geosci. (Boll. Soc. Geol. It.)*. DOI: 10.3301/IJG.2014.16
- SP.55** **Savini A**, Vertino A, Marchese F, Beuck L, Freiwald A (2014) Mapping Cold-Water Coral Habitats at Different Scales within the northern Ionian Sea (central Mediterranean): an assessment of coral coverage and associated vulnerability. *PLoS ONE* 9(1): e87108. DOI: 10.1371/journal.pone.0087108
- SP.56** F. Mastrototaro, P. Maiorano, A. Vertino, D. Battista, A. Indennitate1, **A. Savini**, A. Tursi1 & G. D'Onghia. (2013). A facies of Kophobelemnon (Cnidaria, Octocorallia) from Santa Maria di Leuca coral province (Mediterranean Sea). *Marine Ecology*, 34(3), 313-320. DOI: 10.1111/maec.12017.
- SP.57** Pellegrini, C., Marchese, F., Bistacchi, A., **Savini, A.** (2012) 3D modeling of an active normal fault network in the Apulian Plateau (offshore Capo Santa Maria di Leuca, Puglia, Italy) *Rendiconti Online Società Geologica Italiana* 22, pp. 177-179
- SP.58** **Savini A.**, Basso D., Bracchi V.A., Corselli C., Pennetta M., (2012). Maërl-bed Mapping and carbonate quantification on submerged terraces offshore the Cilento Peninsula (Tyrrhenian Sea, Italy). *Geodiversitas*, 34(1), 77-98.
- SP.59** D'Onghia G., Indennitate A., Giove A., **Savini A.**, Capezzuto F., Sion L., Vertino A., Maiorano P. 2012. Distribution and behaviour of the deep-sea benthopelagic fauna observed by towed camera in the Santa Maria di Leuca cold water coral province (Mediterranean Sea). *Marine & Ecology Progress series*, 443, 95-110.
- SP.60** **Savini A.**, Corselli C., Durmishi C., Marku S., Morelli D., Tessarolo C., (2011). Geomorphology of the Vlora Gulf Seafloor: Results from Multibeam and High-Resolution Seismic Data. *Journal of Coastal Research*, SI 58, 6-16.
- SP.61** Taviani M., Vertino A., Lopez-Correa M., **Savini A.**, De Mol B., Remia A., Montagna P., Angeletti L., Zibrowius H., Alves T., Salomidi M., Ritt B., Henry P. (2011). Pleistocene to Recent deep-water corals and coral facies in the Eastern Mediterranean. *Facies* 57 (4), 579-603.

- SP.62 Savini A.** (2011). Side-scan Sonar as a tool for seafloor imagery: examples from the Mediterranean continental margin. In: Sonar System. Chapter 14, 299-322. Ed. N. Kolev. Intech.
- SP.63 Savini A., Corselli C.** (2010). High resolution bathymetry and acoustic geophysical data from Santa Maria di Leuca Cold Water Coral province (Northern Ionian sea–Apulian continental slope). Deep-Sea Research II, 57 (5-6) 326-344.
- SP.64 Vertino, A., Savini, A., Rosso, A., Di Geronimo, I., Mastrototaro, F., Sanfilippo, R., Gay, G., Etiope, G.,** (2010). Benthic habitat characterization and distribution from two representative sites of the deep-water SML Coral Mound Province (Mediterranean). Deep-Sea Research II, 57 (5-6) 380-396.
- SP.65 Etiope, G., Savini A., Lo Bue N., Favali P., Corselli C.,** (2010). Deep sea survey for the detection of methane at the "Santa Maria di Leuca" cold-water coral mounds (Ionian Sea, South Italy). Deep-sea Research II, 57 (5-6) 431-440.
- SP.66 Malinverno, E., Taviani, M., Rosso, A., Violanti, D., Villa, I., Savini, A., Vertino, A., Remia, A., Corselli, C.,** (2010). Stratigraphy and sedimentology within the Santa Maria di Leuca DWC Province. Deep-Sea Research II, 57 (5-6) 345-359.
- SP.67 Savini A., Malinverno E., Etiope G., Tessarolo C., Corselli C.** (2009). Shallow seep-related seafloor features along the Malta Plateau (Sicily channel -Mediterranean Sea): Morphologies and geo-environmental control of their distribution. Marine and Petroleum Geology 26, 1831-1848.
- SP.68 Savini, A.** (2009) Geospatial analysis of failure related seabed features on the southern Apulian continental slope. Rendiconti Online Societa Geologica Italiana 7, pp. 195-200
- SP.69 Fusi N., Savini A., Corselli C.** (2006) "High resolution (chirp) survey in the Ionian sea (Italy, central Mediterranean): seismic evidence of mud diapirism and coral mounds". Annals of Geophysics, vol. 49 (2/3): 751-765.
- SP.70 Yakimov M. M., Cappello S., Crisafi E., Tursi A., Savini A., Corselli C., Scarfi S. and L. Giuliano** (2006) "Phylogentic survey of metabolically active microbial communities associated with the deep-sea coral *Lophelia pertusa* from the Apulian plateau, Central Mediaterranean Sea". Deep Sea Research Part I: Oceanographic Research Papers 53(1): 62-75.
- SP.71 Taviani M., Remia A., Corselli C., Freiwald A., Malinverno E., Mastrototaro F., Savini A., Tursi A.** (2005). "First geo-marine survey of living cold-water *Lophelia* reefs in the Ionian Sea (Mediterranean basin)". Facies 50: 409-417.