

# ALESSIO ROVERE



Ph.D. in Marine Environmental Sciences.  
Associate Professor in physical geography and geomorphology.  
Last update: February 22, 2023

## CONTACT

✉ alessio.rovere@unive.it  
📍 DAIS. Via Torino 155, Mestre (VE)  
🏠 alerov.weebly.com  
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📞 0000-0001-5575-1168

## SOCIAL

🐦 @alessio\_r\_  
📷 @Alessio\_Rovere  
📺 Vimeo  
📺 YouTube

## SKILLS

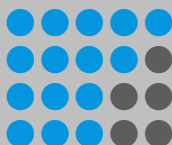
### Field

GNSS  
Drones  
SCUBA diving



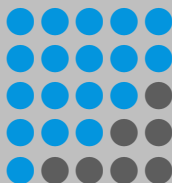
### Programming

GIS  
Python  
SQL  
HTML/PHP



### Languages

Italian  
English  
French  
Spanish  
German



## OPEN DATA

I share open-access datasets and presentations on the following platforms:

🔗 Zenodo  
🔗 PANGAEA  
🔗 Figshare

## WORK HISTORY

📅 Since 11/2021 📍 Università Ca' Foscari - Venezia (IT)	Associate Professor
📅 03/2019 - 10/2021 📍 MARUM and University of Bremen - Bremen (DE)	Independent research scientist
📅 03/2014 - 02/2019 📍 MARUM, University of Bremen and Leibniz ZMT - Bremen (DE)	Young Investigator Group Leader
📅 02/2012 - 02/2014 📍 Lamont Doherty Earth Observatory, Columbia University - New York (USA)	Postdoctoral research scientist
📅 10/2010 - 12/2016 📍 SEAMap SRL, a Spin-off company of the University of Genoa (IT)	Director (Amministratore Unico)

## HONORARY POSITIONS

📅 Since 2022 📍 MARUM, Center for Marine Environmental Sciences - Bremen (DE)	External member
📅 04/2014 - 08/2021 📍 Lamont Doherty Earth Observatory, Columbia University, New York (USA)	Adjunct Associate Research Scientist

## EDUCATION

📅 01/2008 - 12/2010 📍 University of Genoa (IT) European Ph.D. Label	Ph.D. in Marine Sciences
📅 01/2008 - 12/2010 📍 University of Genoa (IT) Marine Environmental Sciences	Master of science
📅 01/2008 - 12/2010 📍 University of Genoa (IT) Environmental Sciences	Bachelor of science

## TEACHING HABILITATIONS

- ✓ **Since 2020.** University Professor title (Germany), according to the §17 Abs. 1 Satz 2 BremHG
- ✓ **Since 2018.** Habilitation as 'Full Professor' (I Fascia) obtained for the subject 'Applied Geology, Physical Geography and Geomorphology' (04/A3) by the Italian Ministry of Education, University and Research
- ✓ **Since 2014.** Habilitation as 'Associate Professor' (II Fascia) obtained for the subject 'Applied Geology, Physical Geography and Geomorphology' (04/A3) by the Italian Ministry of Education, University and Research

## ✈ VISITING PERIODS

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- ✓ **2010.** University of Western Australia
- ✓ **2010.** Brunel University, UK
- ✓ **2009-2010.** University of the Aegean, GR
- ✓ **2004.** Universidad de Las Palmas de Gran Canaria (ERASMUS), ES

## 👥 INVITED SEMINARS AND TALKS

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- ✓ **Sept 2022** ECORD Summer School 2022 (DE)
- ✓ **Oct 2018 & Jan 2021.** Ca' Foscari University of Venice, IT
- ✓ **Oct 2018.** CEREGE, Université Aix-Marseille, FR
- ✓ **Dec 2017.** Bonn University, DE
- ✓ **May 2017.** University of Cambridge, UK
- ✓ **May 2017.** Université de Bretagne Occidentale, Brest, FR
- ✓ **Dec 2016.** American Geophysical Union, San Francisco, CA, USA
- ✓ **Sep 2016 & Sep 2015.** World Surf League PURE meeting, Trestles, CA, USA
- ✓ **Sep 2015, Feb 2014 & Dec 2014.** LDEO Columbia University, NY, USA
- ✓ **Jun 2013.** University of Bremen, DE
- ✓ **Apr 2012.** Rice University, Houston, TX, USA
- ✓ **Jun 2017, Mar 2012 & Feb 2011.** University of Genoa, IT
- ✓ **Nov 2008.** Université du Sud Toulon-Var, FR

## 🎓 COURSES

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### Coastal processes and hazards (48 hrs)

📅 a.y. 2022/23    🏛 Ca' Foscari University of Venice (IT)  
🎓 *MSc in Environmental Sciences*

### Earth Surface processes (48 hrs)

📅 a.y. 2021/22, 2022/23    🏛 Ca' Foscari University of Venice (IT)  
🎓 *BSc in Environmental Sciences*

### Clastic sedimentology: coastal and shelf dynamics

📅 a.y. 2018 to 2021    🏛 University of Bremen (DE)  
🎓 *BSc in Geosciences*

### ERASMUS Staff-teaching mobility (8 hrs)

📅 a.y. 2018    🏛 University of Genoa (IT)  
🎓 *MSc in Environmental Engineering*

### Geographic Information Systems

📅 a.y. 2017 and 2020    🏛 University of Bremen (DE)  
🎓 *BSc in Geosciences*

### Field course 'Marine Geological Project', Helgoland

📅 a.y. 2017    🏛 University of Bremen (DE)  
🎓 *BSc in Geosciences*

### Field course 'Coastal changes', Italy

📅 a.y. 2017 to 2019    🏛 University of Bremen (DE)  
🎓 *MSc in Marine geosciences*

### Paleo Sea Level Changes: Eustasy, Tectonics, Isostasy

📅 2014,2016,2018    🏛 University of Bremen (DE)  
🎓 *Ph.D. school GLOMAR*

### Field course 'Carbonate Sedimentology', Spain

📅 a.y. 2014    🏛 University of Bremen (DE)  
🎓 *MSc in Marine geosciences*

### Lectures and seminars as teaching assistant

📅 a.y. 2005 to 2011    🏛 University of Genoa (IT)  
🎓 *BSc and MSc in Environmental Sciences*

## 💡 IN A NUTSHELL

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I spent several periods as a visiting student or scientist at different Universities. I was invited to speak at seminars at many institutions, including some among the most prestigious in Europe and the US. I have taught a wide range of courses at BSc, MSc and PhD level.

## 💡 IN A NUTSHELL

I mentored **8 postdoctoral researchers** and supervised (or co-supervised) **5 Ph.D. students**.

I supervised or co-supervised **12 master theses** and **4 bachelor theses**.

## 🎓 MENTORING AND SUPERVISION

### Postdoctoral researchers

👤 **Dr. Silas Dean**

📅 Since 2022

📖 Last Interglacial sea-level changes in the US East Coast

👤 **Dr. Denovan Chauveau**

📅 Since 2022

📖 Modelling of last interglacial sea-level changes from fossil reefs

👤 **Dr. Nikos Georgiou**

📅 Since 2022

📖 Last interglacial extreme wave events

👤 **Dr. Patrick Boyden**

📅 Since 2022

📖 Paleoecology of fossil reefs in the Caribbean

👤 **Dr. Deirdre D. Ryan**

📅 2018-2021

📖 Last interglacial sea level changes

👤 **Dr. Evan J. Gowan**

📅 2018-2021

📖 Ice sheet and glacial isostatic adjustment modelling

👤 **Dr. Thomas Lorscheid**

📅 2017-2018

📖 Collection and analysis of Last interglacial sea level proxies

👤 **Dr. Daniel Harris**

📅 2014-2016

📖 Hydrodynamics and sea level changes in coral reefs

### Ph.D. students

👤 **Karla Rubio Sandoval**

📅 Since 2019

📖 Last interglacial sea level changes in the Western Atlantic

👤 **Katherine Maxwelll**

📅 Since 2020

📖 Pliestocene and Pliocene sea-level changes in Indonesia and the Philippines

👤 **Patrick Boyden**

📅 2019-2022

📖 Last interglacial sea level changes in the Indo-Pacific

🔗 [Link to Ph.D. thesis](#)

👤 **Maren Wohltmann Bender**

📅 2016-2020

📖 Holocene sea-level changes in Southeast Asia

🔗 [Link to Ph.D. thesis](#)

👤 **Thomas Lorscheid**

📅 2014-2017

📖 The quantification of the indicative meaning of MIS 5e sea level indicators

🔗 [Link to Ph.D. thesis](#)

## Master theses

**Title:** Evaluating the potential of nearshore Satellite-Derived Bathymetry (SDB) for Moorea Island using various data sets

 Inès Vejzovic

 2022  University of Bremen (DE)

**Title:** Extreme storms in Liguria in present and in future sea level rise conditions

 Anna Rosati

 2020  Università degli studi di Genova

**Title:** Database creation and analysis of subaqueous dune characteristics, Weser estuary

 Clayton Soares

 2020  University of Bremen

**Title:** Assessment and modelling of paleo and future tsunami waves: a case study for Ognina, SE Sicily (Italy)

 Despo Kyriakoudi

 2020  University of Bremen

**Title:** Last Interglacial reef terraces in Bonaire, Netherlands Antilles

 Marco Tack

 2020  University of Bremen


**Title:** Shoreline changes in Liguria, Italy

 Marc K. Brand

 2019  University of Bremen

**Title:** Last Interglacial sea levels in the Bergeggi marine cave, Italy

 Maria Reimer

 2018  University of Bremen

**Title:** Effects of Hurricane Matthew under different sea level scenarios

 Patrick Boyden

 2018  University of Bremen

**Title:** Drones As Low-Altitude Remote Sensing Tool In Coastal Areas

 Jan Drechsel

 2018  University of Bremen

**Title:** Involvement of coral shapes in reef structural complexity

 Carl Grellet-Munoz

 2016  EPHE-CRIOBE-Université de Perpignan


**Title:** Short and medium term coastal changes in Keta (Ghana) – local views and interpretations

 Katarina Trstenjak

 2016  University of Bremen

**Title:** Valutazione degli effetti della pesca del dattero di mare (*L. lithophaga*) sulla tessitura dei clasti al piede della falesia

 Stefano Bellati

 2006  Università degli studi di Genova

## Bachelor theses


**Title:** Reassessment of Pleistocene amino acid racemization ages in the Mediterranean

 Dennis Frenke

 2021  University of Bremen

**Title:** Analysis of Last Interglacial virtual outcrops in Curacao, Leeward Antilles

 Ann-Kathrin Petersen

 2020  University of Bremen

**Title:** Shoreline changes in the island of Helgoland within one season

 Bastian Hirsche

 2018  University of Bremen

**Title:** Maldivian reefs: geomorphological and environmental characteristics

 Giorgia Russo

 2010  Università degli studi di Genova

## 💡 IN A NUTSHELL

I led several projects as Principal Investigator (PI), amounting to a **total of 3.3 million €** of research funding (including indirect costs and overheads). I also participated to several research projects as co-PI, amounting to a **total of more than 970 thousand €**.

In projects where I acted as PI, I directly managed funds, personnel and took direct responsibility for the advancement of project activities. In projects where I acted as Co-PI, I participated in the scientific activities supporting the main PI but did not take direct budget responsibilities.

I participated to the organization of conferences and workshops, directly managing the funds given from associations and institutions to cover expenses and invite **young scientists and scientists from low-income countries**. For these activities, I contributed to obtain and manage (in different capacities) **about 45 thousand €**.

## € FUNDING

### Projects managed as Principal Investigator

- ✓ **2019-2025.** European Research Council Starting Grant WARMCOASTS 'Sea level and extreme waves in the Last Interglacial'<sup>1</sup>  
€2.000.000
- ✓ **2014-2019.** Excellence Initiative, University of Bremen. Structural funding for the Junior Group "Sea Level and Coastal Changes"<sup>2</sup>  
€670.000
- ✓ **2014-2019.** Leibniz Centre for Tropical Marine Research. Structural funding for the Junior Group "Sea Level and Coastal Changes"  
€300.000
- ✓ **2016-2021.** German Science Foundation "SPP Sea Level" - "Holocene sea-level changes in Southeast Asia"<sup>1</sup>  
€214.000
- ✓ **2010-2015.** Managing of research and development and consulting projects with the University spinoff 'SEAMap srl (ltd)'<sup>3</sup>  
€150.000

### Project participated as Co-Principal Investigator

- ✓ **2022-2024.** German Science Foundation "Tropical climate variability and coral reefs" - "Frozen in time: Paleocology of coral reefs"<sup>4</sup>  
€275.000
- ✓ **2016-2017.** Leibniz Centre for Tropical Marine Research Core Budget Project Funding "From ground to sky: bridging scales in the study of coastal changes using satellites, drones and field-based measurements"  
€78.000
- ✓ **2018-2020.** Helmholtz Exzellenznetzwerks "The Polar System and its Effects on the Ocean Floor - Activity 1 - Polar climate sensitivity and response in a warmer world: Antarctic ice-sheet melting, sea-ice and sea level changes"  
€440.000
- ✓ **2016-2017.** Leibniz Centre for Tropical Marine Research Core Budget Project Funding "ZMT PRO - A ZMT portal to explore new research opportunities"  
€127.000
- ✓ **2013-2015.** MIRAMAR - PO CRO European Social Fund, Regione Liguria "Human Capital" (Genova)  
€51.600

### Funds for conferences and workshops

- ✓ **2018-2022.** International Union for Quaternary Sciences and PAGES - Past Global Changes, funding for meetings of the PALSEA working group<sup>5</sup>  
€~20.000
- ✓ **2019.** European Geosciences Union Coastal Change and Evolution (Coche) training school 2019<sup>5</sup>  
€~5.000
- ✓ **2012-2016.** International Union for Quaternary Sciences, funding for meetings of the 'MEDFLOOD' and 'MOPP' working groups<sup>5</sup>  
€~20.000

<sup>1</sup> Includes indirect costs; <sup>2</sup> Does not include PI salary, that was funded by the same grant; <sup>3</sup> Estimated total project volume, excluding VAT and including funds for spinoff startup; <sup>4</sup> This project was written by A. Rovere as PI and left to an alternate PI (C. Wild) after A. Rovere moved away from Germany. Does not include overheads. <sup>5</sup> Funds granted for the organization of conferences and workshops, mostly used to support travel of Early Career Researchers and scientists from low-income countries.

### Academic service

- ✓ **Since 2022.** Member of the "Erasmus commission for the Environmental Sciences" (Ca' Foscari DAIS Department Council, 13.12.2022)
- ✓ **Since 2022.** Member of the "Ca' Foscari ERC Board" (Ca' Foscari Rector's Decree 815/2022)
- ✓ **Since 2022.** Member of the "ESALab" Scientific Committee (Ca' Foscari and European Space Agency)
- ✓ **Since 2022.** Member of the "Technical and Scientific Committee" of the Cinque Terre Marine Protected Area (IT)
- ✓ **2020.** Contributing author for the 6th Assessment Report of the Intergovernmental Panel on Climate Change
- ✓ **Since 2018.** Co-leader of the International working group 'PALSEA' PAlEO constraints on SEA level rise, funded by PAGES and INQUA
- ✓ **2012-2016.** Co-leader of the International working group 'MEDFLOOD', sponsored by INQUA

### Conferences, workshops and convened sessions

- ✓ **2022.** Co-organizer of the 2022 PALSEA meeting, Singapore and Online
- ✓ **2022.** Co-convenor at the PAGES Open Science Meeting. Session: "Last Interglacial"
- ✓ **2021-2022.** Co-organizer of a webinar series on sea level, GIA, and ice sheets, organised jointly by PALSEA, WCRP (sea level), IAG, and SERCE
- ✓ **2020.** Co-organizer of the "PALSEA Express" online workshop
- ✓ **2019.** Co-organizer of the CoChE Summer school. Coastal Changes and Evolution. Oristano, IT
- ✓ **2019.** Co-organizer of the PALSEA workshop "Using ecological and chronological data to improve proxy-based paleo sea level reconstructions", Dublin, IE
- ✓ **2017.** Co-organizer of the PALSEA-QUIGS meeting on "Climate, ice sheets and sea level during past interglacial periods". Galloway, New Jersey, USA
- ✓ **2017.** Co-convenor at the GeoBremen conference. Session: Coastal depositional environments & processes
- ✓ **2015.** Convenor at the American Geophysical Union 2015, Session PP11E: Sea Levels and Ice Sheets during Past Warm Periods: Looking to the Past to Understand the Future
- ✓ **2012 to 2016.** Co-organizer of the annual MEDFLOOD workshop (2012, Rome, IT - 2014, Haifa, IL - 2016, Bremen, DE)
- ✓ **2013.** Organizer of the weekly seminar at Lamont Doherty Earth Observatory, Biology and Paleo Environment Division

### Editor / reviewer roles

- ✓ **Since 2022.** Journal editor - Earth System Science Data, Copernicus (EGU)
- ✓ **Since 2018.** Journal editor - Climate of the Past, Copernicus (EGU)
- ✓ **2019-2022.** Book editor - Book: UAVs in Environmental Sciences
- ✓ **2019-2022.** Special Issue Editor - Earth System Science Data: The World Atlas of Last Interglacial Shorelines
- ✓ **2017-2018.** Special Issue Editor - Quaternary Science Reviews: Geographic Variability of Holocene Relative Sea Level
- ✓ **2013 to 2017.** Editor - Alpine and Mediterranean Quaternary, Journal of the Italian Association for Quaternary Studies
- ✓ **2013-2014.** Editor - Quaternary Perspectives, INQUA, International Union for Quaternary Sciences
- ✓ **Since 2012.** Reviewer for more than 50 manuscripts submitted to international journals, among which Nature, Nature Geoscience, and Nature Communications. See my reviewer profile on Web Of Science
- ✓ **Since 2015.** Reviewer for research proposals to the Israel Science Foundation; The Petroleum Research Fund (American Chemical Society); University of Singapore; National Geographic

I am a contributing author of the IPCC 6th Assessment Report. I have led two international working groups on paleo sea-level changes, and I have been convener or co-convenor of several sessions at several international conferences. I have also co-organised several workshops and meetings.

I have edited two special issues in international journals, one book, and I am editor of two international journals. I reviewed several manuscripts and research proposals.

## 💡 IN A NUTSHELL

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My research activities were reported by several media outlets, including newspapers 📰, radios 📻, TV channels 📺, and websites 🌐.

## 🗞️ OUTREACH AND MEDIA REPORTS

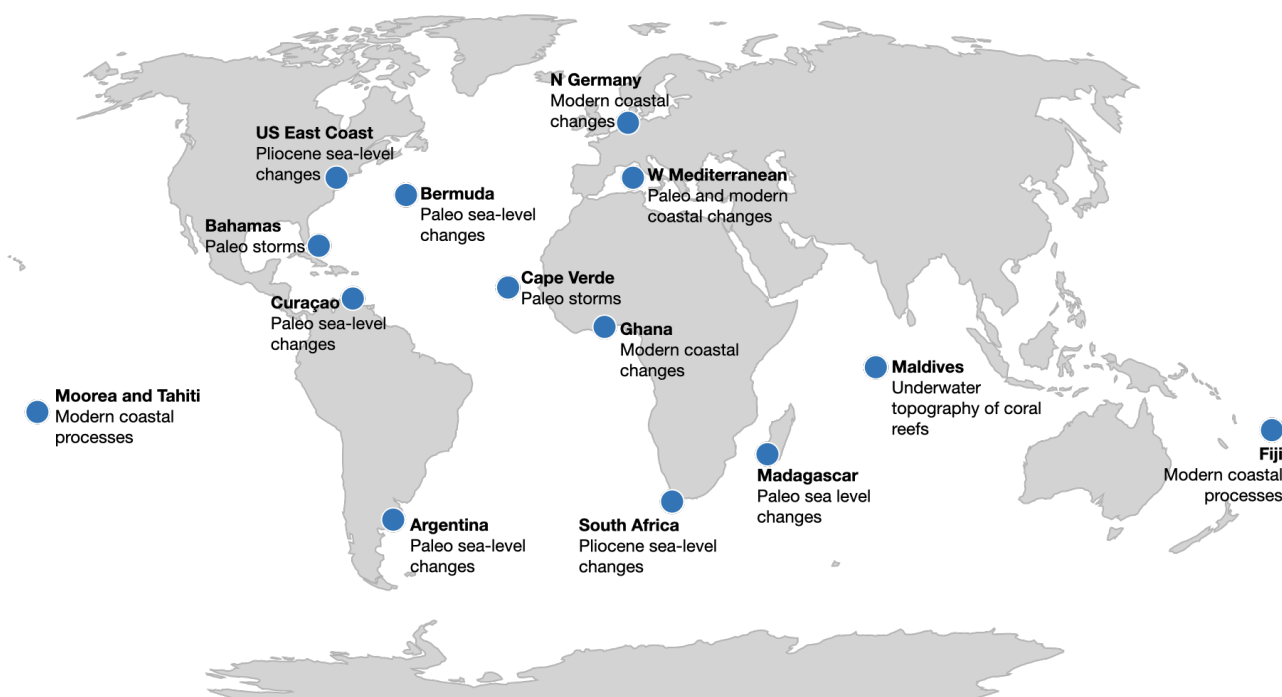
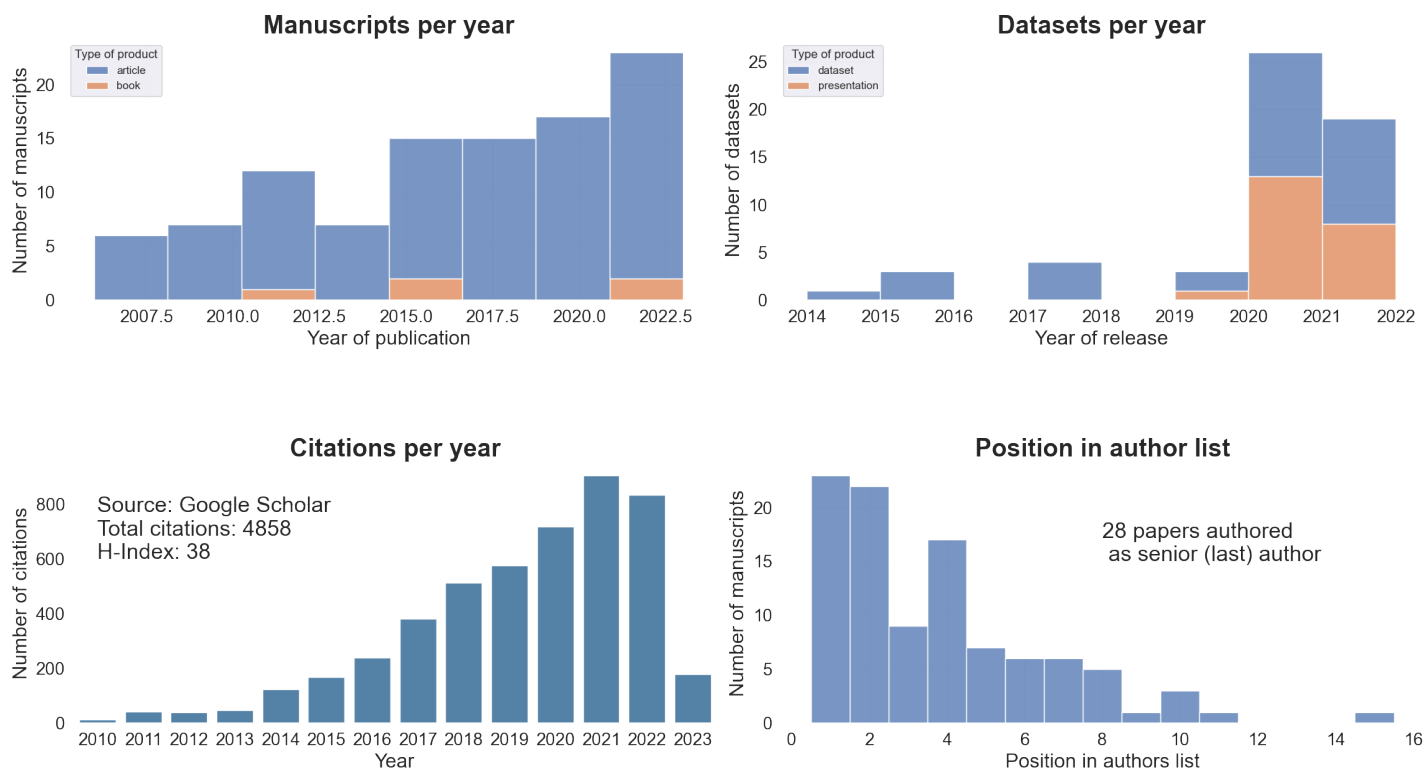
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- 📰 **2022.** Se sparisse il ghiaccio dei Poli...  
*Focus (Italy)*
- 🌐 **2021.** Surprisingly fast ice-melts in past raise fears about sea level rise  
*Horizon Magazine (EU)*
- 📰 **2021.** E se il mare del passato fosse stato più basso di quanto crediamo?  
*Oggiscienza (Italy)*
- 📰 **2021.** La sfida delle inondazioni, sempre più violente e frequenti  
*Le Scienze (Italy)*
- 📰 **2020.** South African seas up to 30m higher show a wet planet under siege  
*DailyMaverick (RSA)*
- 📰 **2020.** Sea-level rise projections can improve with state-of-the-art model  
*Science Daily (USA)*
- 📰 **2017.** Ancient storms could have hurled huge boulders, scientists say  
*The Washington Post (USA)*
- 📰 **2017.** Drohnen liefern detailreiche Einblicke in Korallenriffe  
*Der Standard (AU)*
- 📻 **2017.** Mit Drohnen über dem Korallenriff  
*Deutschland Radio (DE)*
- 🌐 **2017.** Riffe schützen Inseln vor Monsterwellen.  
*Die Welle (DE)*
- 📺 **2017.** Drohnen für die Wissenschaft  
*ARTE TV (DE)*
- 📺 **2017.** Mit Drohnen gegen die Korallenbleiche  
*Welt (DE)*
- 📰 **2016.** I droni contro l'erosione delle coste  
*Dronezine (IT)*
- 📰 **2015.** Quatre chercheurs au milieu des surfeurs  
*La Depeche de Tahiti (FR)*
- 📰 **2013.** Il business che spinge la startup é l'ecosistema costiero  
*Il Secolo XIX (IT)*
- 📰 **2013.** How High Could the Tide Go?  
*New York Times (USA)*
- 📰 **2011.** I protagonisti della ricerca scientifica in mare si raccontano  
*SubAqua magazine (IT)*

## MY RESEARCH

My research focuses on past sea-level changes and past climates, and their significance as analogues for the future of our planet. I have a parallel interest in modern coastal environments, where I investigate coastal erosion, extreme wave events, interactions between ecological and geological processes and trajectories of coastlines and nearshore environments under changing climates and sea levels.

Below are shown some infographics on my research outputs (manuscripts and datasets) and the areas where I worked. The full list of outputs is listed at the end of the CV.





## LIST OF PUBLICATIONS

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Names of mentored postdocs, Ph.D. students or supervised students are underlined

## BOOKS AND BOOK CHAPTERS

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I authored **4 book chapters** and **one textbook**

- Casella, E., & **Rovere**, A. (2022). *Other UAV sensors (Chapter 2.7)* (A. Eltner, D. Hoffmeister, A. Kaiser, P. Karrasch, L. Klingbeil, C. Stöcker, & A. **Rovere**, Eds.). WBG Academic.
- Eltner, A., Hoffmeister, D., Kaiser, A., Karrasch, P., Klingbeil, L., Stöcker, C., & **Rovere**, A. (Eds.). (2022). *UAVs for the environmental sciences - methods and Application* (1st edition). WBG Academic.
- Bianchi, C. N., Morri, C., Lasagna, R., Montefalcone, M., Gatti, G., Parravicini, V., & **Rovere**, A. (2015). *Resilience of the Marine Animal Forest* (S. Rossi, L. Bramanti, A. Gori, & C. del Valle, Eds.). Springer International Publishing. [https://doi.org/10.1007/978-3-319-17001-5\\_35-1](https://doi.org/10.1007/978-3-319-17001-5_35-1)
- Rovere**, A., Antonioli, F., & Bianchi, C. N. (2015). *Chapter 18 Fixed biological indicators* (I. Shennan, A. J. Long, & B. P. Horton, Eds.). Wiley Online Library.
- Bianchi, C., Morri, C., Chiantore, M., Parravicini, V., & **Rovere**, A. (2012). *Mediterranean Sea biodiversity between the legacy from the past and a future of change* (N. Stambler, Ed.). Nova Publishers.

## ARTICLES

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I authored **97 peer-reviewed articles**

- Hollyday, A., Austermann, J., Lloyd, A., Hoggard, M., Richards, F., & **Rovere**, A. (2023). A revised estimate of early pliocene global mean sea level using geodynamic models of the patagonian slab window. *Geochemistry, Geophysics, Geosystems*, 24(2), e2022GC010648. <https://doi.org/https://doi.org/10.1029/2022GC010648>
- Rovere**, A., Ryan, D. D., Vacchi, M., Dutton, A., Simms, A. R., & Murray-Wallace, C. V. (2023). The world atlas of last interglacial shorelines (version 1.0). *Earth System Science Data*, 15(1), 1–23. <https://doi.org/10.5194/essd-15-1-2023>
- Casella, E., Lewin, P., Ghilardi, M., **Rovere**, A., & Bejarano, S. (2022). Assessing the relative accuracy of coral heights reconstructed from drones and structure from motion photogrammetry on coral reefs. *Coral Reefs*, 1–7. <https://doi.org/10.1007/s00338-022-02244-9>
- Scussolini, P., Dullaart, J., Muis, S., **Rovere**, A., Bakker, P., Coumou, D., Renssen, H., Ward, P. J., & Aerts, J. C. J. H. (2022). Modelled storm surge changes in a warmer world: The last interglacial. *EGU sphere*, 2022, 1–20. <https://doi.org/10.5194/egusphere-2022-101>
- Boyden, P., Weil-Accardo, J., Deschamps, P., Godeau, N., Jaosedy, N., Guihou, A., Rajaonarivelo, M. N., O'Leary, M., Humblet, M., & **Rovere**, A. (2022). Revisiting Battistini: Pleistocene Coastal Evolution of Southwestern Madagascar. *Open Quaternary*, 8, 14. <https://doi.org/10.5334/oq.112>
- Gowan, E. J., Zhang, X., Khosravi, S., **Rovere**, A., Stocchi, P., Hughes, A. L. C., Gyllencreutz, R., Mangerud, J., Svendsen, J.-I., & Lohmann, G. (2022). Reply to: Towards solving the missing ice problem and the importance of rigorous model data comparisons. *Nature Communications*, 13(1), 6264. <https://doi.org/10.1038/s41467-022-33954-x>
- Carlot, J., Kayal, M., Lenihan, H. S., Brandl, S. J., Casey, J. M., Adjeroud, M., Cardini, U., Merciere, A., Espiau, B., Barneche, D. R., **Rovere**, A., Hédouin, L., & Parravicini, V. (2021). Juvenile corals underpin coral reef carbonate production after disturbance. *Global Change Biology*, 27(11), 2623–2632. <https://doi.org/10.1111/gcb.15610>
- Cerrone, C., Vacchi, M., Fontana, A., & **Rovere**, A. (2021a). Last Interglacial sea-level proxies in the western Mediterranean. *Earth System Science Data*, 13(9), 4485–4527. <https://doi.org/10.5194/essd-13-4485-2021>
- David, C. G., Kohl, N., Casella, E., **Rovere**, A., Ballesteros, P., & Schlurmann, T. (2021). Structure-from-Motion on shallow reefs and beaches: Potential and limitations of consumer-grade drones to reconstruct topography and bathymetry. *Coral Reefs*, 40(3), 835–851. <https://doi.org/10.1007/s00338-021-02088-9>
- Dyer, B., Austermann, J., D'Andrea, W. J., Creel, R. C., Sandstrom, M. R., Cashman, M., **Rovere**, A., & Raymo, M. E. (2021). Sea-level trends across the Bahamas constrain peak last interglacial ice melt. *Proceedings of the National Academy of Sciences of the United States of America*, 118(33), 1–11. <https://doi.org/10.1073/pnas.2026839118>
- Kaniewski, D., Marriner, N., Cheddadi, R., Morhange, C., Vacchi, M., **Rovere**, A., Faivre, S., Otto, T., Luce, F., Carre, M. B., Benčić, G., & Van Campo, E. (2021). Coastal submersions in the north-eastern Adriatic during the last 5200 years. *Global and Planetary Change*, 204(July), 1–11. <https://doi.org/10.1016/j.gloplacha.2021.103570>
- Scardino, G., Rizzo, A., De Santis, V., Kyriakoudi, D., **Rovere**, A., Vacchi, M., Torrisi, S., & Scicchitano, G. (2021). Insights on the origin of multiple tsunami events affected the archaeological site of Ognina (south-eastern Sicily, Italy). *Quaternary International*. <https://doi.org/10.1016/j.quaint.2021.09.013>
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Most products of my research are shared in open-access repositories

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