ALESSIO ROVERE

Ph.D. in Marine Environmental Sciences.
Associate Professor in physical geography and geomorphology.

CONTACT

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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
Universitá 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

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

- **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

- **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

Earth Surface processes (with laboratory)

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) — MSc in Environmental Sciences

IN A NUTSHELL

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

STUDENTS

Master theses

Evaluating the potential of nearshore Satellite-Derived Bathymetry (SDB) for Moorea Island (French Polynesia) using various data sets

Inès Vejzovic

2022 University of Bremen

Extreme storms in Liguria in present and in future sea level rise conditions

Anna Rosati

2020 Università degli studi di Genova

Database creation and analysis of subaqueous dune characteristics, Weser estuary

Clayton Soares

2020 University of Bremen

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

Despo Kyriakoudi

2020 University of Bremen

Last Interglacial reef terraces in Bonaire, Netherlands Antilles

Marco Tack

2020 University of Bremen

Shoreline changes in Liguria, Italy

Marc K. Brand

2019 University of Bremen

Last Interglacial sea levels in the Bergeggi marine cave, Italy

Maria Reimer

2018 University of Bremen

Effects of Hurricane Matthew under different sea level scenarios

Patrick Boyden

2018 University of Bremen

Drones As Low-Altitude Remote Sensing Tool In Coastal Areas

Jan Drechsel

2018 University of Bremen

Involvement of coral shapes in reef structural complexity

Carl Grellet–Munoz

2016 EPHE-CRIOBE-Université de Perpignan

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

Katarina Trstenjak

2016 University of Bremen

Valutazione degli effetti della pesca del dattero di mare (Lithophaga lithophaga) sulla tessitura dei clasti al piede della falesia

Stefano Bellati

2006 Università degli studi di Genova

Bachelor theses

Reassessment of Pleistocene amino acid racemization ages in the Mediterranean

Dennis Frenke

2021 University of Bremen

Analysis of Last Interglacial virtual outcrops in Curacao, Leeward Antilles

Ann-Kathrin Petersen

2020 University of Bremen

Shoreline changes in the island of Helgoland within one season

Bastian Hirsche

2018 University of Bremen

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 2.8 million €** of research funding. I also participated to several research projects as co-PI.

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 a workshops, directly managing the funds given from associations and institutions to cover expenses and invite **young scientists and scientists from low-income countries**.

€ FUNDING

Projects managed as Principal Investigator

- **2019-2025.** European Research Council Starting Grant WARMCOASTS 'Sea level and extreme waves in the Last Interglacial'[1]
  €1.500.000
- **2014-2019.** Excellence Initiative, University of Bremen. Structural funding for the Junior Group "Sea Level and Coastal Changes"[2]
  €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"[1]
  €214.000
- **2010-2015.** Managing of research and development and consulting projects with the University spinoff 'SEAMap srl (ltd)' [3]
  €150.000

Project participated as Co-Principal Investigator

- **2022-2024.** German Science Foundation "Tropical climate variability and coral reefs" - "Frozen in time: Paleoecology of coral reefs [4]
  €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[5]
  €~20.000
- **2019.** European Geosciences Union Coastal Change and Evolution (Coche) training school 2019[5]
  €~5.000
- **2012-2016.** International Union for Quaternary Sciences, funding for meetings of the 'MEDFLOOD' and 'MOPP' working groups[5]
  €~20.000

[1] Includes indirect costs; [2] Does not include PI salary, that was funded by the same grant; [3] Estimated total project volume, excluding VAT and including funds for spinoff startup; [4] 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. [5] Funds granted for the organization of conferences and workshops, mostly used to support travel of Early Career Researchers and scientists from low-income countries.

SERVICE

Academic service

- **Since 2018.** Co-leader of the International working group 'PALSEA' PALeo constraints on SEA level rise, funded by PAGES and INQUA
- **2020.** Contributing author for the 6th Assessment Report of the Intergovernmental Panel on Climate Change
- **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-convener 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-convener at the GeoBremen conference. Session: Coastal depositional environments & processes
- **2015.** Convener 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

IN A NUTSHELL

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-convener 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

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

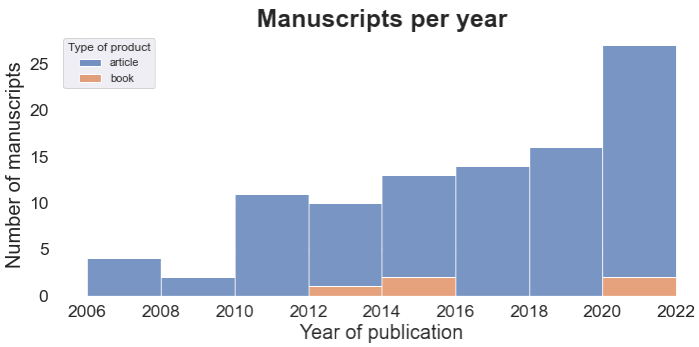
OUTREACH AND MEDIA REPORTS

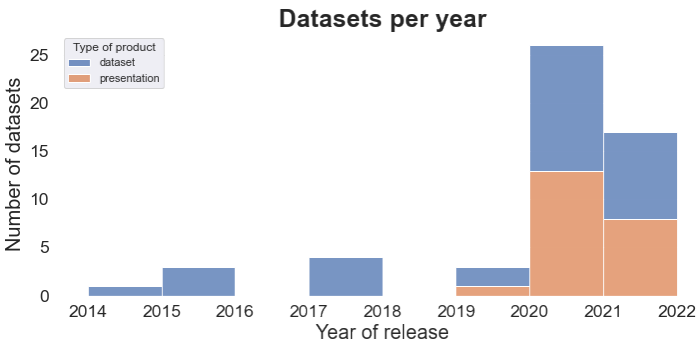
- **2022.** Se sparisse il ghiaccio dei Poli...
  Focus (Italy)
- **2021.** Surprisingly fast ice-melts in past raise fears about sea level rise
  Horizon Magazine (EU)
- **2021.** E se il mare del passato fosse stato più basso di quanto crediamo?
  Oggiscienza (Italy)
- **2021.** La sfida delle inondazioni, 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)

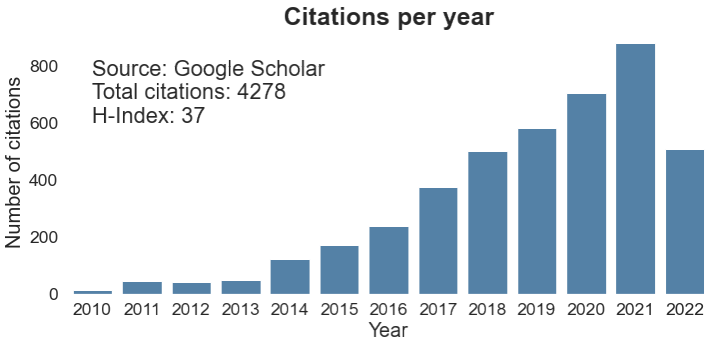
MY RESEARCH

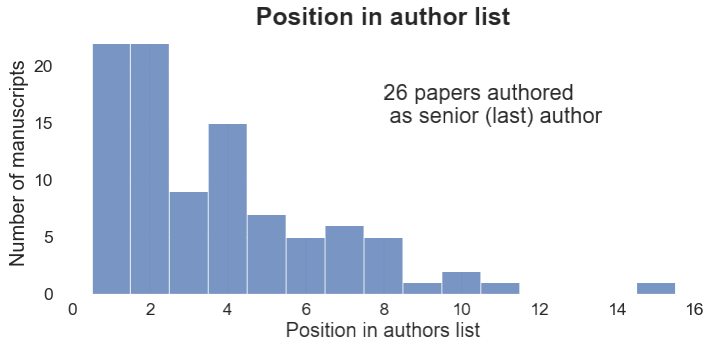
My research focuses on past sea-level changes and past climates, and their significance as analogues for the future of our planet. I have a parallel interest in modern coastal environments, where I investigate coastal erosion, extreme wave events, interactions between ecological and geological processes 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). The full list of outputs is listed at the end of the CV.









LIST OF PUBLICATIONS

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

BOOKS AND BOOK CHAPTERS

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

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

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

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

Siriwardane De Zoysa, R. D., Schöne, T., Herbeck, J., Illigner, J., Haghighi, M., Simarmata, H., Porio, E., **Rovere**, A., & Hornidge, A. (2021). The 'wickedness' of governing land subsidence: Policy perspectives from urban southeast Asia. *PLoS ONE*, *16*(6 June), 1–25. https://doi.org/10.1371/journal.pone.0250208

Boyden, P., Casella, E., Daly, C., & **Rovere**, A. (2021). Hurricane Matthew in 2100: Effects of extreme sea level rise scenarios on a highly valued coastal area (Palm Beach, FL, USA). *Geo-Marine Letters*, *41*(4), 43. https://doi.org/10.1007/s00367-021-00715-6

Boyden, P., Weil-Accardo, J., Deschamps, P., Oppo, D., & **Rovere**, A. (2021). Last interglacial sea-level proxies in East Africa and the Western Indian Ocean. *Earth System Science Data*, *13*(4), 1633–1651. https://doi.org/10.5194/essd-13-1633-2021

Drechsel, J., Khan, N. S., & **Rovere**, A. (2021). PALEO-SEAL: A tool for the visualization and sharing of Holocene sea-level data. *Quaternary Science Reviews*, *259*, 106884. https://doi.org/10.1016/j.quascirev.2021.106884

Gowan, E. J., **Rovere**, A., Ryan, D. D., Richiano, S., Montes, A., Pappalardo, M., & Aguirre, M. L. (2021). Last interglacial (MIS 5e) sea-level proxies in southeastern South America. *Earth System Science Data*, *13*(1), 171–197. https://doi.org/10.5194/essd-13-171-2021

Gowan, E. J., Zhang, X., Khosravi, S., **Rovere**, A., Stocchi, P., Hughes, A. L. C., Gyllencreutz, R., Mangerud, J., Svendsen, J. I., & Lohmann, G. (2021). A new global ice sheet reconstruction for the past 80 000 years. *Nature Communications*, *12*(1), 1–9. https://doi.org/10.1038/s41467-021-21469-w

Maxwell, K., Westphal, H., & **Rovere**, A. (2021a). A standardized database of Last Interglacial (MIS 5e) sea-level indicators in Southeast Asia. *Earth System Science Data*, *13*(9), 4313–4329. https://doi.org/10.5194/essd-13-4313-2021

Rubio-Sandoval, K., **Rovere**, A., Cerrone, C., Stocchi, P., Lorscheid, T., Felis, T., Petersen, A.-K., & Ryan, D. D. (2021). A review of last interglacial sea-level proxies in the western Atlantic and southwestern Caribbean, from Brazil to Honduras. *Earth System Science Data*, *13*(10), 4819–4845. https://doi.org/10.5194/essd-13-4819-2021

Vacchi, M., Joyse, K. M., Kopp, R. E., Marriner, N., Kaniewski, D., & **Rovere**, A. (2021a). Climate pacing of millennial sea-level change variability in the central and western Mediterranean. *Nature Communications*, *12*(1), 1–9. https://doi.org/10.1038/s41467-021-24250-1

Carlot, J., **Rovere**, A., Casella, E., Harris, D., Grellet-Muñoz, C., Chancerelle, Y., Dormy, E., Hedouin, L., & Parravicini, V. (2020). Community composition predicts photogrammetry-based structural complexity on coral reefs. *Coral Reefs*, *39*, 967–975. https://doi.org/10.1007/s00338-020-01916-8

Casella, E., Drechsel, J., Winter, C., Benninghoff, M., & **Rovere**, A. (2020). Accuracy of sand beach topography surveying by drones and photogrammetry. *Geo-Marine Letters*, *40*(2), 255–268. https://doi.org/10.1007/s00367-020-00638-8

Gilford, D. M., Ashe, E. L., DeConto, R. M., Kopp, R. E., Pollard, D., & **Rovere**, A. (2020). Could the Last Interglacial Constrain Projections of Future Antarctic Ice Mass Loss and Sea-level Rise? *Journal of Geophysical Research: Earth Surface*, *125*(10), 1–19.

Hearty, P. J., **Rovere**, A., Sandstrom, M. R., O'Leary, M. J., Roberts, D., & Raymo, M. E. (2020). Pliocene pleistocene stratigraphy and sea level estimates, Republic of South Africa with implications for a 400 ppmv CO 2 world. *Paleoceanography and Paleoclimatology*, 1–23. https://doi.org/10.1029/2019pa003835

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