CV: **Eelco J. ROHLING**

PERSONAL INFORMATION

Name:	Eelco Johan Rohling
DoB:	Heiloo, 19-09-1963
Status:	Married; 2 sons (1998 and 2001)
Address:	21, Learmonth Drive, Kambah, ACT 2902, Australia
Tel.:	(+61) 434 667 441
Email:	eelco.rohling@anu.edu.au
Work:	Research School of Earth Sciences (RSES), Australian National University (ANU), Canberra 2601, Australia
URLs:	http://rses.anu.edu.au/people/eelco-rohling http://www.highstand.org/erohling/ejrhome.htm

EMPLOYMENT

March 2013–Present: Professor, RSES, ANU, Australia (2013–2018 Australian Laureate Fellow)

2015–2018: Associate Director RSES, ANU, Australia

Dec. 2002–Present: Professor, Univ. of Southampton, UK (secondary affiliation since March 2013)

July 2001–Nov. 2002: Reader, Univ. of Southampton, UK

Oct. 1999–June 2001: Senior Lecturer, Univ. of Southampton, UK

July 1994–Sept. 1999: Lecturer, Univ. of Southampton, UK

July 1992–June 1994: Postdoctoral Research Fellow, Netherlands Organisation for Scientific Research (NWO) based at Utrecht & Woods Hole, Mass.

DEGREES

1991 PhD, Utrecht University, The Netherlands

1987 MSc in Stratigraphy/Micropaleontology, Physical Oceanography & Climatology, and Sedimentology, Utrecht University, The Netherlands

1984 BSc in General Geology G1, Department of Geology, Utrecht University, The Netherlands

HONOURS, AWARDS, FELLOWSHIPS

Dec. 2021: Maurice Ewing Medal, American Geophysical Union

Nov. 2019: Web of Knowledge Highly Cited Researcher

Aug. 2017–Present: Fellow, American Geophysical Union

May 2008–Present: Correspondent, Royal Netherlands Academy of Arts and Sciences (KNAW)

Mar. 2013–2018: Australian Laureate Fellow

Jan. 2011–Mar. 2013: UK Royal Society Wolfson Research Merit Award

Jan.–Mar. 2010: Senior Invited Fellow, Japan Society for Promotion of Science

June 2004: CORC-ARCHES invited visiting scientist, LDEO, NY, USA

May 1994: Invited Professor, National Museum for Natural History, Paris, France

Feb.–Mar. 1992: Guest investigator, Woods Hole Oceanographic Institution, Mass. USA

Sept.–Oct. 1991: Guest investigator, Woods Hole Oceanographic Institution, Mass. USA

RESEARCH EXPERIENCE

I specialise in robust quantifications of past ocean- and climate-change processes, following a cross-disciplinary approach: from analytical/ experimental studies to theory and modelling; from modern oceanography to palaeoclimate and palaeoecology; and in a complete-system context (marine, terrestrial, biosphere, atmosphere, cryosphere) that includes biogeography and archaeology. The

research has a global reach and represents a unique cluster of expertise in continuous, probabilistic, observation-based quantification of sea level, CO_2, climate sensitivity, and subtropical hydroclimate. My end-goal is using a deep understanding of Earth system processes to help adaptation to, and mitigation of, climate change.

Principal contributions to date are threefold. First, my work has transformed quantitative understanding of global sea-level/ice-volume changes during Pleistocene ice ages. Second, I am an authority on processes behind anoxic sediment deposition. Third, I am a leader in transforming climate-sensitivity estimation from geological data into a rigorously defined and appraised discipline, and applying this to improve understanding of current climate change. I have drawn on this varied background to inform and guide an ongoing portfolio of work on modern climate change, including projections over the next several centuries and requirements for greenhouse-gas emissions reduction and removal.

Impact/follow-up work includes future climate and sea-level projections; palaeo-anthropological/ archaeological implications; understanding of hydrological impacts on ocean circulation, marine ecosystems, and organic carbon sequestration/burial; modern emissions pathways and required negative emissions; support to judicial cases (science support to Juliana vs. USA Gov't; and amicus to Alec L. et al. vs. McCarthy et al., US Supreme Court appeals petition 14-405); policy input (e.g., IPCC, Venice, UK H++ sea-level extreme, Negative Emissions Strategies for Australia); and a wide range of outreach (radio, TV, public lectures, public and school events, public-science books, press conferences and panels).

I firmly believe in education, advancing public understanding, and stakeholder involvement, as keys to success in practical implementation of solutions to society's impacts on climate and biodiversity.

RESEARCH SUPERVISION

I have created opportunities for next-generation researchers through employment and supervision of 33 PhD students and 26 early career researchers (mostly post-docs). 90+ % of them have continued successfully in research, education, research policy and support, and industry. I consider the enduring success of my team members to be a core measure of my own success.

Regarding diversity and equal opportunities implementation, the $^{female}/_{male}$ ratio among my 59 Postdocs, Research Assistants, Technicians, and PhD students is $^{32}/_{27}$, and they range across 15+ nationalities from all inhabited continents.

26× Postdoc, Research Assistant, and Tech. supervisor/co-supervisor (13 in UK, 11 at ANU)
Southampton: Angela Hayes, Sacha de Rijk, Martin Wadley (at UEA), Katharine Grant, Juan-Cruz Larrasoaña, Uta Krebs, Qingsong Liu, Tony Hinchliffe, Jenny Stanford, Leah Cliff, Martin Medina-Elizalde, Cheng Zhao, Fiona Hibbert.
ANU: Katharine Grant (FL), Gianluca Marino, Laura Rodriguez-Sanz, Helen McGregor, Fiona Hibbert, Jessica Amies, David Heslop, Katharine Grant (ACEAS) (+lab. technicians Ewout Rohling, Daniel Becker, Yingxin Kou, Nethanja de Raad).

33× PhD supervisor/co-supervisor (23 in UK, 10 at ANU)
Southampton: Mia Fenton, Angela Hayes, Ramadan Abu-Zied, James Casford, Craig Speed, Babette Hoogakker, Mark Siddall, Adam Scrivner (at Royal Holloway), Amanda Simpson, Phil Sexton, Adam Williams, Gianluca Marino (at IAMC-Geomare and Utrecht University), Sally Hunter, Tim Cane, David Wilkinson, Jennifer Stanford, Anne Osborne (at Bristol), Katharine Cox, Chris Satow (at Royal Holloway), Leah Cliff, Katharine Grant, Anya Crocker, Felicity Williams.
ANU: Jessica Amies, Rose Manceau, Alan Brenner, Tiah Penny, Yao Qian, Spyros Sergiou (at Univ. Patras, Greece), Yinxing Kou, Victor Piedrahita, Udara Amarathunga, Maria Munkara (at Batchelor Institute, Darwin, Australia).

21× Masters supervisor/co-supervisor

SERVICE

Leadership style

By nature and background a team player and coach, I believe in leading by example, delegation of responsibilities, and empowerment. I value transparency and open communication, and expect professionalism and collegiality from all. My preferred approach is to regularly catch up with people on neutral ground; this brings out the best and most innovative ideas at early stages and facilitates early detection of any issues/problems. I set ambitious goals that combine excellence with strong diversity and equal opportunities across gender, cultural backgrounds, ability, and disciplines.

I have considerable experience in negotiating between different and conflicting interests to achieve fair solutions, based on respect, honesty, and clear and transparent communications in which decisions at critical stages are documented and agreed by all parties. This requires understanding of equal opportunity principles and cultural sensitivities, which I have gained through formal training, in-depth international work and project experience, and collaborations (e.g., NL, UK, Australia, USA, France, Italy, Spain, Germany, Japan, China, Singapore). I also deeply appreciate the importance of support in the workplace, based on both formal training and personal experience. As a result, my focus is on abilities and ways in which contributions can be facilitated and optimised, rather than on limitations.

Major roles

- **Lead Scientist**, ARC ANZIC-IODP (2021–Present).

  This includes organisation and oversight (contracts, finance, staffing, reporting) of a consortium of 15 major Australian and New Zealand research organisations in a program co-funded by the Australian Research Council (A$ 3M out of A$ 4.74M for 2021-2022; and $4.4M out of $6M for 2023-2024). The program supports Australian-New Zealand membership to IODP, as well as associated research and infrastructure (incl. the ANZIC-IODP office and its staffing at ANU, research projects, ship-board participation travel, etc.).

- **Project Director**, Australian Department of the Environment and Energy (DoEE) assessment "*Survey of Negative Emissions Technologies for Australia*" (2019–2020).

  This included responsibility for project tendering to DoEE, contract arrangements, project oversight and deadline management, interaction and negotiation with government officials, financial oversight, and reporting.

- **Associate Director**, Research School of Earth Sciences, ANU (2015–2018).

  This involved oversight of the School's (40+ faculty; ~120 fixed-term researchers) strategic research development, major equipment renewal prioritisation, coordination of responses to major funding calls including the National Infrastructure Grant, development of collaboration initiatives and overseas networks, and conflict resolution.

- **Chair**, ANU-RSES Research and National Infrastructure Grant Committee, ANU (2017–2018).

  ANU receives an annual National Infrastructure Grant from the government, which at the time was distributed competitively across its various Schools. My role involved leading research-strategy development for the Research School of Earth Sciences with the School Director, which resulted in us securing A$ 8M *p.a.* of NIG income.

- **Chair, 26-nation** International Marine Global Changes Study program, IMAGES (2005–2008), Vice-Chair IMAGES (2003–2004), and UK national IMAGES representative (2002–2004).

  This included coordination of negotiations of the international science program and staffing for up to 6 sea-going expeditions per year, and leading the definition of long-term strategy and annual reporting.

- **Vice-President**, Palaeoclimatology, European Geoscience Union, Climates section (2000–2006).

  This included organisation of the large palaeoclimate section of the annual EGU General Assembly, and working with the President on coordination of the section's strategic direction.

- **Champion**, Ocean and Earth Science Research Excellence Framework (REF 2014) submission, University of Southampton (2009–2013).

  This was a major internal leadership task. REF drives the UK's discipline-specific ranking and core research-income allocation, based on quality ranking × number of staff included. Our School's REF 2014 outcome recognised the UK's second-greatest proportion of world-leading research (41%; *vs.* 43% for Oxford and 40% for Cambridge), with 69 staff included (*vs.* only 36 and 43, respectively). I contributed to this unequivocal badge of excellence via a 5-year strategic research-output improvement programme through a buddying/mentorship programme that I proposed, developed, and implemented with the Head of School and Associate Dean for Research. I also oversaw the School's research output collation, improvement, and ranking, including impact beyond academia.

- **Australian Laureate Fellow**, Australia (2013–2018).

Together with my VC initiative award, this project represents the Australian equivalent of an ERC Advanced grant, for which I formed and coordinated a local cluster of 5 Postdocs and 4 PhD students. My role included scientific leadership, project coordination, staffing, finance, lab development and management, and reporting.

- **Director**, UK 7-institute consortium iGlass (2011–2015).

  This was a major NERC consortium on sea-level change that I designed, brought together, and led (from 2013 together with Ivan Haigh). It included 8 top academics from 7 different UK institutions, and in the end the total group of employed and affiliated researchers (faculty, postdocs, visiting fellows, PhDs and MScs) amounted to 30+. Coordination involved keeping all eyes on the ball, keeping groups in communication and adhering to deadlines, advancing the whole in an integrated manner as more than just a sum of the parts, recruitment, conflict and flexibility management, reporting, and financial oversight.

- **Node leader**, UK 5-institute consortium RESET (2007–2011).

  I was leader of the U. Southampton branch/node. This included coordination of research, communication facilitation, and local node reporting and financial oversight.

- **Editorships**:
  - Founding Editor-in-Chief, Oxford University Press, *Oxford Open Climate Change* (2020–Present)
  - Editor, *Reviews of Geophysics* (2010–2021)
  - Joint Editor-in-Chief (with G.R. Dickens), *Paleoceanography* (2006–2009) (& Associate Editor 2001–2005)
  - Guest Editor: *Paleoceanography & Paleoclimatology* (2019-20, Miocene issue); *Paleoceanography* (2018-19, R.C. Thunell memorial issue); *Geochimica et Cosmochimica Acta* (2017-18, H. Elderfield memorial issue); *Marine Micropalaeontol. 40* (2000, Forams'98 issue); *Marine Geology 153* (1999, R. Kidd & C. Vergnaud-Grazzini memorial issue)
  - Editorial Board member: *Quat. Sci. Rev.* (2009–2012); *Geology* (2005–2007); *Clim. Past* (2005)

Other roles

- Founding member, Climate Recovery Institute (https://climaterecoveryinstitute.com.au)
- Member, scientific committee, Internat. Conference on Paleoceanography XIII, Sydney (2019)
- Member, scientific committee, Internat. Conference on Paleoceanography IX, Shanghai (2007)
- 12× conference session convenor
- 20× research-/summer-school instructor
- IPCC AR5 Contributing Author (2011–2012)
- IPCC AR5 Expert Reviewer (2011–2012)
- Member experts panel, Norwegian Research Council (2000–2015)
- Member institute review panel MARUM, Bremen, for German Research Council (2009)
- Member, Seoul, S. Korea, coastal centre + director review (2013–2014)
- Member, Busan, S. Korea, climate centre associate director review (2018)
- Chair, RSES Research Committee, ANU (2017–2018)
- Member, College Research Committee, ANU (2017–2018)
- Member, RSES Executive Committee, ANU (2015–2018)
- Member, Equity and Diversity Committee, ANU (2015–2016)
- Group leader, Ocean & Climate Change, ANU (2013–2017)
- Member, Ocean and Earth Science REF 2021 committee, Southampton (2016–Present)
- Specialist Advisor, UK Research Assessment Exercise (RAE) 2008 (2008)
- Director, Oceanography UG and MSci curricula. During this time, I developed successful student exchange links with U. Washington and with U. Miami (2006–2009)
- Director, MSc & MRes programmes, Southampton (2003–2005)
- Chair, MSc operational committee, Southampton (2003–2005)
- SOCRATES / ERASMUS exchange officer, Southampton (1995–2005)
- Years 1&2 examinations officer, Southampton (2001–2002)
- Final year examinations officer, Southampton (1995-2000)
- Oceanography with Physical Geography degree course tutor, Southampton (1996–1999)

- Continued management, joint ANU DELTA+MAT253 stable isotope facility (2018—).
- Development & Management, ANU DELTA stable isotope facility (2013–2018).
- Development & Management, ANU AVAATECH core-scanner XRF facility (2015—).
- Development & Management, ANU sediment prep. & micropalaeontology facility (2013—).
- Development & Management, Southampton NOC stable isotope facility (1998–2013).
- Development & Management, Southampton sediment prep. & micropal. facility (1994–2013).

RESEARCH FUNDING

1994–Present; A$ 1 = € 0.65; * = Leadership role, others = regular Investigator

~A$ 66.6M, of which ~**A$ 28.5M** into my own institutions.
(not counting my role in securing A$ 8M *p.a.* of NIG income over 2017–2018; see Service).

For ANU this most notably includes:

- A$ 6 M* (4.4 M from ARC) Rohling *et al*. ANZIC IODP LIEF grant (2023–2024)
- A$ 4.74 M* (3 M from ARC) Rohling *et al*. ANZIC IODP LIEF grant (2021–2022)
- A$ 20.0 M Antarctic and Southern Ocean SRI award (2020–2023)
- A$ 0.45 M* ARC-DP grant (2020–2023)
- A$ 0.46 M Borevitz, Rohling, Chow. Grand Challenge Land based C drawdown (2019-2021)
- A$ 1.12 M Nicotra, Borevitz, Rohling *et al*. LIEF grant Mountain Stations (2018–2020)
- A$ 3.6 M Arculus, Rohling *et al*. ANZIC IODP LIEF grant (2013–2015)
- A$ 3.13 M* Australian Laureate (2013–2018) with A$ 1.2M* VC Initiative Award

For U. Southampton this most notably includes:

- A$ 6 M* Rohling *et al.* NERC consortium iGlass (2010–2015)
- A$ 0.8 M* Rohling. NERC project Climate Sensitivity (2011–2015)
- A$ 6.5 M* Lowe, Rohling *et al.* NERC consortium RESET (2007–2011)
- A$ 1.1 M Minshull *et al.* NERC-IPY consortium Gas Hydrates (2006–2010)
- A$ 0.4 M* Rohling. NERC project Sea-Level Change (2005–2008)
- A$ 0.7 M* Bacon, Rohling, Stow. NERC-RAPID Cape Farwell AMOC (2003–2007)

In my current ARC-DP and ANZIC IODP projects, my Laureate+VC award, iGlass, and my NERC Climate Sensitivity and Sea-Level Change projects, I was/am overall project leader/director. In RESET, I was Southampton node leader, and in the NERC-RAPID project I was palaeo-reconstruction leader. These positions included responsibility for management (finance, reporting, and achieving deadlines and deliverables), recruitment, research strategy, and overall supervision and coordination of the research teams.

In addition, I am/have been official research partner to major projects in the UK, France, Italy, Germany, USA, and Singapore. Through collaborations, partnerships, panel memberships, and assessments, I have kept in touch with European funding structures.

KEY INTERACTIONS WITH POLICY MAKERS

- Project Director to the Department of the Environment and Energy assessment "*Survey of Negative Emissions Technologies for Australia,*" 2019–2020.
- Working group to refine the UK H++ sea-level scenario, led by Jason Lowe and Tim Reeder, Reading, September 2017.
- UNESCO panel for Venice flood-risk assessment.

  Umgiesser, G., Anderson, J.B., Artale, V., Breil, M., Gualdi, S., Lionello, P., Marinova, N., Orlic, M., Pirazzoli, P., Rahmstorf, S., Raicich, F., Rohling, E., Tomasin, A., Tsimplis, M., and Vellinga, P., *From global to regional: local sea level rise scenarios - focus on the Mediterranean Sea and the Adriatic Sea*. (Report of UNESCO Venice and ISMAR-CNR Workshop, 22-23 November 2010, Venice, Italy), UNESCO, Venice, 28pp., 2011.

- Joint interviews, formal briefing sessions, and direct partnerships related to the major iGlass, Laureate, Mountain Stations, Antarctic, and IODP projects, and my group's sea-level, climate-sensitivity, and emissions-reduction/negative emissions research in general.

SELECTED PUBLIC OUTREACH

See also (with links): http://www.highstand.org/erohling/ejrhome.htm

- Public Lecture at *British Museum*, London (02.08)
- Public *IMAREST* lecture, Southampton (11.08)
- Public Earth Perspectives lecture, *Natural History Museum* (11.09)
- Workshop sea-level change, *Royal Navy, Southampton branch* (02.10)
- Workshop climate change, *Public Health Specialty Registrars in Wessex* (06.10)
- Feature: "The rise and rise of the sea". *NERC Planet Earth, winter 2010*, 16–17, 2010.
- Public lecture on climate change, *Marine Life Talks* (05.11)
- Panellist and keynote, media-run (*NRC*) global change debate, Amsterdam (11.11)
- 1-hr *Press conference* with Jim Hansen and Ken Caldeira "Paleoclimate Record Points Toward Potential Rapid Climate Changes" (AGU Fall meeting; 12.11)
- *Scientific American* 9-min. podcast interview. (12.11)
- *Radio New Zealand* 40-minutes interview (12.13)
- Keynote climate change and sustainability, for formation of *Australian high-school curriculum*, ACSA, Darwin, (09.13)
- Interview, *Radio Ecoshock* 20-minutes duration (2014)
- Rohling, E.J., Why ice sheets will keep melting for centuries to come. *The Conversation* (09.14)
- Interview and feature article "New climate record challenges ideas about recent glaciations" *Earth Magazine* (09.14)
- Rohling, E.J., Without a longer-term view, the Paris Agreement will lock in warming for centuries. *The Conversation* (08.16).
- Public lecture on climate and sea-level change, *Mount Stromlo Observatory* (09.16)
- Public lecture on climate change, *Climate Tasmania, Hobart* (02.17)
- Rohling, E.J., We need to get rid of carbon in the atmosphere, not just reduce emissions. *The Conversation* (04.17)
- *Sky News Live TV* interview (04.17)
- *ABC Radio Live* interview (06.17)
- *Hobart high-schools* event with Climate Tasmania (>300 students; 08.17)
- *WIN News Live TV* interview on remaining carbon emissions for 1.5°C warming target, (01.18)
- Rohling, E.J., Perfect storm threatens the world's reefs. *Cosmos Magazine* (01.18)
- Rohling, E.J., and Ortiz, J.D., We're killing our lakes and oceans. The consequences are real. *Undark* (02.18)
- Rohling, E.J., Paleoceanography: New technologies – spawned for military applications – now allow scientists to explore oceans more deeply. *Natural History, 126 (2)*, 36–41 (2018).
- Rohling, E.J., What can the deep geological history of the oceans tell us about the future? *Zocalo Public Square* (03.18)
- Rohling, E.J., A view from the ocean for Earth Day. *Princeton Univ. Press BLOG*, April 16, 2018.
- *Jerusalem Post* on book "The Oceans: a deep history" (05.18)
- *Radio Sputnik Moscow Live* interview on CO_2 drawdown (05.18)
- Invited public 2-h book-discussion on "The Oceans", at *Blackwell's bookshop*, Edinburgh (07.18)
- 2-page weekend katern "Nog veel meer hittegolven". *BN DeStem (& AD)* (08.18)

- Rohling, E.J., *Q:* Earth's bodies of water have gone through considerable changes over time—can these changes tell us anything about climate change—and the future? *A:* Earth's History and the Oceans. *Princeton University Press BLOG*, April 20, 2019.
- *Sergio Valdez Podcast* on Status of the Oceans (6.19)
- Rohling, E.J., Why urgent action is needed to avoid centuries of global warming. *Oxford University Press BLOG*, June15, 2019.
- Rohling, E.J. Public book-launch lecture + Q&A on *The Climate Question* (09.19).
- *Sydney Morning Herald* on sea-level rise (11.19)
- *ABC Radio* on sea-level rise (11.19)
- *Talkradio UK* on sea-level rise (11.19)
- Hibbert, F., Rohling, E., and Grant, K., Scientists looked at sea levels 125,000 years in the past: the results are terrifying. *The Conversation* (11.19).
- Rohling, E. Slow the flow and let the soil drink its fill. OpEd in *The Australian* (12.19).
- Abram, N. and 250+ co-signatories (incl. Rohling, E.J.). There is no strong, resilient Australia without deep cuts to greenhouse gas emissions. *Open Letter to the Australian Government.*
- Sherwood, S. and 79 co-signatories (incl. Rohling, E.J.). An Open Letter on Australian Bushfires and Climate: Urgent Need for Deep Cuts in Carbon Emissions. *Laureates Open letter.*
- Sherwood, S., Rohling, E., and Marvel, K. The climate won't warm as much as we feared – but it will warm more than we hoped. *The Conversation* (07.20).
- Rohling, E.J. Rebalancing our Climate. *TEDx* (04.21). https://youtu.be/BOWygmzWxj4
- Rohling, E.J., Borevitz, J., Boyd, P., Brent, K., Chase, Z., Menviel, L., Metternicht, G., Roberts, A.P., and Turney, C. The future is now: how the ocean can help us solve the climate crisis. *The Mandarin* (07.21).
- Princeton Uni. Press, **general public book**: *The oceans – a deep history*, 272 pp., 2017. ISBN 9780691168913
- Oxford Uni. Press, **general public book**: *The climate question – natural cycles, human impacts, future outlook*, 162 pp., 2019. ISBN: 9780190910877
- Oxford Uni. Press, **general public book**: *Rebalancing our climate – the future starts today*, in print for Oct. 2021.

KEYNOTE LECTURES AND INVITED SPEAKER

Total since 1994: ~75. Most notably:

06.00 Evolution & oscillation of post-Miocene Mediterranean climate, Delmenhorst, *invited speaker*

06.01 CASTINE 1 (Maine) workshop 'Holocene Climate', *invited speaker & workshop member*

08.02 Goldschmidt conference, *invited speaker*

04.03 EGS 28th assembly, Nice, *invited speaker*

04.03 ESF workshop 'Holocene dating, chronologies & age modelling', *invited speaker*

05.03 IASON Mediterranean Environmental Change, Thessaloniki, *invited speaker*

08.03 IMAGES Holocene workshop, Bergen, *invited speaker*

10.03 Sea-level change workshop LDEO, *invited speaker*

12.03 AGU Fall meeting, San Francisco, *invited speaker*

07.04 ICP-8 Biarritz, *invited speaker*

04.05 EGU 2nd assembly, Vienna, *invited speaker*

06.05 Palaeoclimate change conference London, *invited speaker*

06.05 NERC RAPID 8.2 ka event meeting, *invited speaker*

10.05 British Council INYS workshop, Lund, Sweden, *keynote speaker*

12.05 AGU Fall meeting, San Francisco, *invited speaker*

03.06 Forces of transformation: the end of the Bronze Age in the Mediterranean, *invited speaker*
04.07 EGU assembly, Vienna, *keynote speaker*
05.07 ESF Ocean Controls in Abrupt Climate Change meeting, Obergurgl, Austria, *invited speaker*
10.07 Red Sea workshop, Tuebingen, Germany, *invited speaker*
11.07 Neolithic meeting, Ljubljana, Slovenia, *keynote speaker*
01.08 Quaternary Research Association, London, *keynote speaker*
06.08 ESF Mediterranean isotopes, Pisa, Italy, *invited speaker*
02.08 NERC theme leaders' meeting "Ice Sheets", *invited speaker*
09.08 SF MEDCLIVAR, Rhodes, Greece, *keynote speaker*
11.08 Mediterranean sapropels, Paris, France, *invited speaker*
01.09 IPPU lecture, Utrecht, Netherlands, *invited speaker*
11.09 Challenger Society meeting on sea level, Roy. Soc. London, *invited speaker*
01.10 Academy Lecture, Amsterdam, Netherlands, *keynote*
05.10 Sea-level symposium, ANU, Canberra, *invited speaker*
09.10 Past InterGlacials, LDEO, New York, *invited speaker*
01.11 Southampton Archaeology symposium, *keynote*
02.11 AHRC Environmental Network 6ka lecture, Norwich, *invited speaker*
11.11 Media-run (NRC) global change debate, Amsterdam, *keynote and panellist*
12.11 AGU Fall Meeting, San Francisco, *invited speaker*
01.12 Quaternary Research Association, Beaulieu, *keynote*
03.12 Kaplan Symposium, Israel, *invited speaker*
06.12 Wenner Gren Foundation, Stockholm, *invited speaker*
08.12 IGC, Brisbane, *keynote*
09.13 ACSA, Darwin, *keynote*
10.13 PALSEA2, Rome, *keynote*
04.14 Schlumberger Exploration Executive Forum, Barcelona, *keynote*
05.14 Mediterranean Holocene climate & societies workshop, Messinia, Greece, *invited speaker*
05.14 Geological Society meeting, London, *invited speaker*
05.14 PMIP meeting, Namur, Belgium, *invited speaker*
09.14 Deltas and climate change meeting, Rotterdam, *invited speaker*
10.14 13th century BC Mediterranean environment, Louvain-la-Neuve, *invited speaker*
11.14 ANU Physics industry consortium meeting, *invited speaker*
12.14 AGU Fall Meeting, San Francisco, *invited speaker*
07.15 INQUA, Nagoya, Japan, *keynote*
05.16 EAGE, Subsalt workshop, *invited speaker*
06.16 AESC, Adelaide, *keynote*
11.16 Geoengineering workshop, Hobart, *invited speaker*
12.16 AOGC, Fremantle, Perth, *keynote*
07.17 Antarctic meeting, Hobart, *invited speaker*
09.17 PMIP Meeting, Stockholm, *keynote*
09.18 Busan Paleoclimate Meeting, Busan, *keynote*
10.18 ICAMG conference, Shanghai, *keynote*
12.18 AGU Fall meeting, Washington DC, *invited speaker*
12.18 Mediterranean paleoceanography, Gif-sur-Yvette, *invited speaker*
08.19 Duke of Montefeltro lecture, Urbino, *keynote*

12.19 AGU Fall meeting, Washington DC, *2x invited speaker*

05.20 EGU General Assembly, Vienna, *1x invited speaker* (cancelled due to Covid)

04.21 TEDx Rawatpur, *invited speaker*

(07.21) INQUA Rome, *keynote*

MAIN TEACHING SUCCESS

In Southampton, I grew one of my courses, *Earth and Ocean Science*, from 140 students p.a. in 1999 to 320+ students p.a. in 2013, with course and personal ratings of 4.5/5.0 and 4.9/5.0, respectively. This was sustained using then-innovative online practicals and guest lectures on high-impact topics, and by streamlining and fast-tracking feedback and marking.

At ANU, I was research professor for 2013-2018, and during that time was asked only to contribute to teaching within courses. Thereafter, I have taken over as course convenor for Palaeoclimate. I have revamped the poorly performing 3rd-years Palaeoclimate course into a "flipped" format, with lectures in the form of topical videos followed by in-depth discussion tutorials. This has proven popular because of improved feedback levels and capacity to tie learning more actively to actual events (e.g., Australia's catastrophic drought, bushfires, and floods). It has also enhanced team spirit and work efficiency among students.

MEMBERSHIPS

American Geophysical Union (P&P working group)
European Geosciences Union (Paleoclimates section)
PAGES-PALSEA
Royal Netherlands Academy of Arts and Sciences (KNAW)

OTHER

Fluent in Dutch & English; Proficient in German & French; Working knowledge Italian & Spanish.

PUBLICATIONS

Google: total citations ~29,000; H = 87 ~35 papers in *Science* and *Nature* group journals.
ORCID ID: 0000-0001-5349-2158 Researcher ID: B-9736-2008

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