

CURRICULUM VITAE

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Academic positions

Associate Professor of Climate Science and Tutorial Fellow at St Hugh's College 08/2025-present
Department of Earth Sciences, University of Oxford, UK

NOAA Climate & Global Change Postdoctoral Fellow 10/2023-07/2025
Hawai'i Institute of Marine Biology, University of Hawai'i at Mānoa, USA
Marine Ecology Theory Lab (PI: Professor Lisa McManus)

Education

DPhil 10/2019-09/2023
Department of Earth Sciences, University of Oxford, UK

MESc (Earth Sciences) 10/2015-06/2019
Department of Earth Sciences, University of Oxford, UK

Peer-reviewed publications^Σ Denotes equal author contribution^Δ Denotes research group member or student

- 15 Albinski AL^Δ, Johnson HL, Savage J, Burt AJ, **Vogt-Vincent NS**. (in press) *Shipping and fishing vessels as sources of marine plastic debris for the Seychelles*. Marine Pollution Bulletin.
- 14 **Vogt-Vincent NS**, McManus LC, Toonen RJ. (2026) *Global coral reef collapse is not inevitable*. Trends in Ecology & Evolution. DOI:10.1016/j.tree.2026.04.018
- 13 **Vogt-Vincent NS**, Pringle JM., Cornwall CE., McManus L.C. (2025) *Anthropogenic climate change will likely outpace coral range expansion*. Science Advances, 11 (23). DOI:10.1126/sciadv.adr2545
- 12 Isachsen PE, **Vogt-Vincent NS**, Johnson HL, Nilsson J. (2024) *Instability and mesoscale eddy fluxes in an idealized 3-layer Beaufort Gyre*. JGR: Oceans. DOI:10.1029/2023JC020757
- 11 **Vogt-Vincent NS**, Burt AJ, van der Ven RM, Johnson HL. (2024) *Coral reef potential connectivity in the southwest Indian Ocean*. Coral Reefs, 43. DOI:10.1007/s00338-024-02521-9
- 10 Burt AJ, **Vogt-Vincent NS**, Johnson HL, Sendell-Price A, Kelly S, Clegg SM., Head C., Bunbury N, Fleischer-Dogley F, Jeremie M, Khan N, Baxter R, Gendron G, Mason-Parker C, Walton R, Turnbull LA. (2024) *Integration of population genetics with oceanographic models reveals strong connectivity among coral reefs across Seychelles*. Scientific Reports, 14, 4936. DOI:10.1038/s41598-024-55459-x
- 9 **Vogt-Vincent NS.**, Mitarai S, Johnson HL. (2023) *High-frequency variability dominates potential connectivity between remote coral reefs*. Limnology and Oceanography, 68, 12. DOI:10.1002/lno.12455
- 8 Auer G, Bialik OM, Antoulas M., **Vogt-Vincent NS**, Piller WE. (2023) *Biotic response plankton communities to Middle to Late Miocene monsoon wind and nutrient flux changes in the Oman margin upwelling zone*. Climate of the Past, 19, 11. DOI:10.5194/cp-19-2313-2023
- 7 Morten JM, Buchanan PJ, Egevang C, Glissenaar IA, Maxwell SM, Parr N, Screen JA, Vigfúsdóttir F, **Vogt-Vincent NS**, Williams DA, Williams NC, Witt MJ, Hawkes LA, Thurston W. (2023) *Global warming and arctic terns: Estimating climate change impacts on the world's longest migration*. Global Change Biology, 29, 19. DOI:10.1111/gcb.16891
- 6 **Vogt-Vincent NS** and Johnson HL. (2023) *Multidecadal and climatological surface current simulations for the southwestern Indian Ocean at 1/50° resolution*. Geoscientific Model Development, 16, 3. DOI:10.5194/gmd-16-1163-2023
- 5 **Vogt-Vincent NS**, Burt AJ, Kaplan DM, Mitarai S, Turnbull LA, Johnson HL (2023) *Sources of marine debris for Seychelles and other remote islands in the western Indian Ocean*. Marine Pollution Bulletin, 187. DOI:10.1016/j.marpolbul.2022.114497
- 4 Bialik OM, Sisma-Ventura G, **Vogt-Vincent NS**, Silverman J, Katz T. (2022) *Role of oceanic abiotic carbonate precipitation in future atmospheric CO2 regulation*. Scientific Reports, 12. DOI:10.1038/s41598-022-20446-7
- 3 Mitchell DM., ..., **The Bristol CMIP6 Data Hackathon Participants**. (2022) *The Bristol CMIP6 Data Hackathon*. Weather, 77, 6. DOI:10.1002/wea.4161
- 2 **Vogt-Vincent NS** and Mitarai S. (2020) *A persistent Kuroshio in the Glacial East China Sea and Implications for Coral Paleobiogeography*. Paleoceanography and Paleoclimatology, 35, 7. DOI:10.1029/2020PA003902

- 1 **Vogt-Vincent NS**, Lippold J, Kaboth-Bahr S, Blaser P. (2020) *Ice-rafted debris as a source of non-conservative behaviour for the ϵ Nd palaeotracer: insights from a simple model*. Geo-Marine Letters, 40. DOI:10.1007/s00367-020-00643-x

Other publications

- 7 **Vogt-Vincent NS** (2026) *Expert Comment: Global coral reef collapse is not inevitable*. University of Oxford. <https://www.ox.ac.uk/news/2026-05-22-expert-comment-global-coral-reef-collapse-is-not-inevitable>
- 6 **Vogt-Vincent NS** (2026) *Are coral reefs doomed?* The Oxford Magazine (TT0 2026).
- 5 García Seoane R and **Vogt-Vincent NS** (2025) *Applying for an MSCA Postdoctoral Fellowship: A Fellow's Perspective*. Zenodo. DOI: 10.5281/zenodo.15377568
- 4 **Vogt-Vincent NS** (2025) *Coral reefs face an uncertain recovery from the 4th global mass bleaching event – are climate refuges an option?* The Conversation. Link: <https://t.ly/JwkBu>
- 3 **Vogt-Vincent NS** and Burt AJ. (2024) *Seychelles: floating baby corals can help save damaged reefs*. The Conversation. Link: t.ly/qpVby
- 2 **Vogt-Vincent NS**. (2023) *Marine dispersal in the western Indian Ocean*. Oxford University Research Archive. DOI: 10.5287/ora-x541popdo
- 1 **Vogt-Vincent NS** and Burt AJ. (2023) *Seychelles is being overwhelmed by marine plastic – we now know where it comes from*. The Conversation. Link: t.ly/EKPQ6

Datasets

- 2 **Vogt-Vincent NS** and Johnson HL. (2022) *WINDS-M: A 1/50° multidecadal regional simulation of the South-western Indian Ocean with high frequency surface currents for Lagrangian applications (realistic forcing, 1993-2020)*. British Oceanographic Data Centre. DOI:10.5285/BF6F0CFBD09E47498572F21081376702
- 1 **Vogt-Vincent NS** and Johnson HL. (2022) *WINDS-C: A 1/50° decadal regional simulation of the South-western Indian Ocean with high frequency surface currents for Lagrangian applications (climatological forcing based on 1993-2018)*. British Oceanographic Data Centre. DOI:10.5285/b2b9bfe408f14ea7a79d9ff7aee0d0b8

Selected presentations

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| 16 | <i>Coral range expansion: genes, growth rates, and geographic gradients</i> | 07/2026 |
| | ICRS 2026, Auckland, New Zealand | |
| 15 | <i>Population growth rate and adaptive capacity, not just thermal tolerance, drive long-term coral persistence under climate change</i> | 12/2025 |
| | Reef Conservation UK, Bangor, UK | |
| 14 | <i>Simulating coral connectivity and range shifts: the limits of predictability</i> | 06/2025 |
| | Biodiversity Research Center, Academia Sinica, Taiwan | |
| 13 | <i>Marine connectivity and coral range shifts: bridging the gap between models and reality</i> | 06/2025 |
| | National Sun Yat-Sen University, Taiwan | |
| 12 | <i>Anthropogenic climate change will likely outpace coral range expansion.</i> | 12/2024 |
| | Department of Biology, University of Oxford, UK | |
| 11 | <i>Anthropogenic climate change will likely outpace coral range expansion.</i> | 11/2024 |
| | NOAA CIMAR Climate and Communities Symposium, Honolulu, USA | |
| 10 | <i>High-latitude seas are unlikely to act as tropical coral refugia.</i> | 09/2024 |
| | Australian Marine Sciences Association Conference 2024, Hobart, Australia | |
| 9 | <i>How quickly can corals expand poleward?</i> | 08/2024 |
| | School of Agricultural & Life Sciences, University of Tokyo, Japan | |
| 8 | <i>Anthropogenic climate change will likely outpace coral range expansion.</i> | 07/2024 |
| | NOAA Climate & Global Change Summer Institute, Colorado, USA | |
| 7 | <i>The role of potential connectivity in shaping tropical biogeography and responses to rapid environmental change.</i> | 05/2024 |
| | 7 th International Conference on Marine Connectivity, Montpellier, France | |
| 6 | <i>No island is truly isolated: how ocean currents connect coral reefs and transport pollution across the western Indian Ocean.</i> | 01/2024 |
| | Exeter Marine, SIF and ConScience, University of Exeter, UK | |
| 5 | <i>How well connected are coral reefs in the southwest Indian Ocean?</i> | 09/2023 |
| | Challenger Society Ocean Modelling SIG, Southampton, UK | |
| 4 | <i>Coral reef connectivity across the southwestern Indian Ocean</i> | 12/2022 |
| | Reef Conservation UK, London, UK | |

- 3 *Coral reef connectivity in Seychelles.* 08/2020
Seychelles Islands Foundation (Blue Grants Fund)
- 2 *The Kuroshio Current at the Last Glacial Maximum and implications for coral palaeobiogeography.* 05/2022
EGU 2022
- 1 *Aldabra's coral as a source for regional coral recovery.* 04/2022
Aldabra Research Station 50th Anniversary Symposium, The Royal Society, UK

Grants and Fellowships

Grant	Amount	Date
9 IAPSO Best Practices Grant	\$12,000	12/2025
8 ASLO Eco-DAS (travel and accommodation to symposium)	<i>In kind</i>	04/2025
7 SEA-UNICORN EU Cost Action Travel Grant	€2,748 (£2,280)	05/2024
6 NOAA Climate & Global Change Fellowship	\$215,194 (£170,900)	10/2023
5 British Council & JSPS Summer Program	¥534,000 (£2,700+airfare)	06/2022
4 Graduate Development Scholarship, University of Oxford	£13,063	06/2020
3 NERC Doctoral Studentship	£102,510	09/2019
2 OIST Funded Internship (travel, accommodation, expenses)	<i>In kind</i>	07/2019
1 Laidlaw Undergraduate Research Scholarship	£6,000	07/2018
Total	£621,800	

Other awards

5 ARCHER2 Supercomputer Data Visualisation Competition	11/2022
<i>Winning video: One year in the southwestern Indian Ocean</i>	
4 Best Overall Performance in the Final Honours School of Earth Sciences (Part B)	07/2019
<i>Shell Prize, Department of Earth Sciences, University of Oxford</i>	
3 Best Overall Performance in the Final Honours School of Earth Sciences (Part A)	07/2018
<i>Burdett-Coutts Prize, Department of Earth Sciences, University of Oxford</i>	
2 Best Overall Performance in the Second Year	07/2017
<i>BP Prize, Department of Earth Sciences, University of Oxford</i>	
1 Best Performance in First-Year Mathe and Physics	07/2016
<i>ISC Prize, Department of Earth Sciences, University of Oxford</i>	

Impact, media, and outreach

15 <i>Career Conversations, Ocean Sciences Meeting 2026</i>	2026
Acted as a mentor for the <i>Career Conversations</i> event at Ocean Sciences Meeting 2026, providing career advice to early career scientists.	
14 <i>Super Science Saturday: Coral Reefs vs Climate Change</i>	2026
Designed and led an activity at the Oxford University Museum of Natural History for KS1-3.	
13 Talk for the Deep Blue Society (Oxford University)	2026
Title: <i>Hope for our coral reefs?</i>	
12 <i>The Weather and Climate Livestream</i>	2025
Discussed <i>Climate change and the future of our coral reefs</i> to an audience of ~500 during a 100-hour webinar organised to raise awareness on the impacts of US federal science funding cuts.	
11 <i>Skype a Scientist</i>	2024-
Ran (9+) interactive talks with high-school students through the <i>Skype a Scientist</i> scheme.	
10 <i>Community engagement in O'ahu</i>	2024-2025
Ran various activities, including (i) <i>Mauka to Makai Environmental Expo</i> (activity on ecological modelling at Waikīkī Aquarium aimed at families with younger children), (ii) <i>August Ahrens Elementary School Career Fair</i> (talking to students aged 6-12 about marine science), and (iii) acting as a judge for the <i>Windward District Science and Engineering Fair</i> .	
9 <i>Coral superhighway</i>	2024
Research on coral reef connectivity in Seychelles was featured in a variety of major news outlets, including BBC Wildlife, Daily Mail Online, The Conversation, and AGU Eos.	
8 <i>Marine plastic pollution in the southwest Indian Ocean</i>	2023

Research on sources of marine pollution in the southwest Indian Ocean has been featured in policy briefings by the Royal Society and World Wildlife Fund; a documentary by The Economist; and was presented on my behalf at the Seychelles Pavilion at the COP28 Climate Summit in Dubai.

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| 7 | <i>The Nature Conservancy Africa Year in Review</i> | 2023 |
| | Coral reef connectivity research was featured in The Nature Conservancy Africa's Year in Review | |
| 6 | <i>ARCHER2 Supercomputer Case Study</i> | 2023 |
| | Two case studies were developed based on marine pollution and connectivity research for the ARCHER2 supercomputer | |
| 5 | <i>Super Science Saturday: Lost at sea: how currents and waves connect our global ocean</i> | 2023 |
| | Designed and led an activity at the Oxford University Museum of Natural History for KS1-3, reaching over 100 families | |
| 4 | <i>Art-Science collaboration for COP26</i> | 2021 |
| | Worked with a resident artist to develop tapestries based on coral larval dispersal work, which was exhibited at Le6b in Paris and the Oxford University Museum of Natural History | |
| 3 | <i>NERC Doctoral Training Partnership Wessex Congress</i> | 2021 |
| | Lead organiser for the 2021 Wessex Congress student conference for NERC doctoral training programmes in the southern UK | |
| 2 | <i>Mentoring state (public) school students for widening access</i> | 2021 |
| | Mentored two state school students from under-represented backgrounds who were interested in applying for Earth Sciences at university. Both students were successfully admitted to Oxford | |
| 1 | <i>Palaeoclimatology course for Year 12 students</i> | 2020 |
| | Designed and delivered an introductory palaeoclimatology course for 24 Year 12 students. | |

Classroom teaching

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| 6 | Mathematics for Earth Sciences (Y1 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2026-present |
| 5 | Biological and Physical Oceanography (Y3 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2025-present |
| 4 | Topics in Climate Science (Y4 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2025-present |
| 3 | Tutor across climate and marine sciences, general academic skills (Y1-3 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2025-present |
| 2 | MBIO 691J: Climate Data – Past, Present, and Future
<i>Hawai'i Institute of Marine Biology (15 hours)</i> | 2025 |
| 1 | MBIO 691I: Introduction to Scientific Computing
<i>Hawai'i Institute of Marine Biology (15 hours)</i> | 2024 |

Field teaching

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| 2 | Headington & Cumnor field trip (Y1 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2026-present |
| 1 | Bermuda field course (Y4 undergraduates)
<i>Department of Earth Sciences, University of Oxford</i> | 2025-present |

Doctoral supervision

[P] Primary supervisor, [C] Co-supervisor

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| 1 | [C] Tom Simmons, National University of Singapore, Singapore
<i>PhD on coral reef connectivity and population structure in the SE Coral Triangle</i> | 2026- |
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Undergraduate and rotation project supervision

[P] Primary supervisor, [C] Co-supervisor

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| 5 | [P] Tyra Donaldson, University of Oxford, UK
<i>MESc research project on macroalgae as biomonitors of heavy metals in a Spanish Ria</i>
<i>Co-supervisor: Rita Garcia-Seoane (UHM)</i> | 2026-2027 |
| 4 | [P] Sam Barnett, University of Oxford, UK | 2026 |

DPhil rotation project on ML-downscaling of surface currents and Lagrangian diagnostics

Co-supervisor: Laura Mansfield (Oxford)

3 [P] Andrew Watford, University of Oxford, UK 2026

DPhil rotation project on dispersal variability in the NW Pacific

Co-supervisor: Helen Johnson (Oxford)

2 [P] Seychelle Brainard, Smith College, USA 2024-2025

BS research project on reef network fragmentation under future climate change

Co-supervisor: Lisa McManus (UHM)

1 [P] Alex Albinski, University of Oxford, UK 2023-2024

MESc research project on modelling plastic pollution dispersal associated with shipping

Co-supervisor: Helen Johnson (Oxford)

Research expeditions at sea

1 RV Kaimei, Cruise KM22-11C (Japan Agency for Marine-Earth Science and Technology). 09/2022

Higashi-Aogashima Knoll Caldera, Japan

Marine biology research assistant to Dr Chong Chen (JAMSTEC)

Other relevant qualifications

3 First Aid & Remote Emergency Care 2023

2 Advance HE Associate Fellowship, AFHEA (UK Higher Education teaching qualification) 2022

1 PADI Advanced Open Water Diver 2020

External service

- **Associate Editor** for JGR Oceans (2026-present)
- **Reviewer** for Communications Biology, Current Biology, Deep-Sea Research II, Diversity and Distributions, Earth's Future, Geoscientific Model Development, Global Change Biology, Global Ecology and Biogeography, ICES Journal of Marine Science, JGR: Biogeosciences, Limnology & Oceanography, Marine Ecology Progress Series, Marine Pollution Bulletin, Nature Communications, Nature Ecology & Evolution, Ocean Sciences, Paleoceanography and Paleoclimatology, PLoS ONE. Reviewer for UN World Ocean Assessment III (tropical and subtropical reefs).
- **Convened** sessions 19 and 98 at ICRS 2026.
- **Member of NERC Peer Review College** (2026-present): panellist for NERC Large Grants (2026).

Internal service

- **Undergraduate interviewer** (2026-present).
- **Graduate interviewer for direct entry to the Earth Sciences Department** (2026).
- **Internal examiner** for Charlotte Marris (2026).
- **St Hugh's College Advisor** (2026-present).
- **St Hugh's College Governing Body and Trustee** (2026-present).
- **St Hugh's College Green Impact Team** (2026-present).
- **Events and demonstrations for University open days** (2026-present).
- **UNIQ Summer School taster session** (2026).

Languages

English (Fluent), German (Advanced), Japanese (Basic)