CURRICULUM VITAE

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Academic positions

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

NOAA Climate & Global Change Postdoctoral Fellow 10/2023-
Hawai'i Institute of Marine Biology, University of Hawai'i at Mānoa, USA 07/2025
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

$^{\Sigma}$ *Denotes equal author contribution* $^{\Lambda}$ *Denotes research group member or student*

15 Albinski AL$^{\Lambda}$, 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 εNd 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 Southwestern 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 Southwestern 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

16 *Coral range expansion: genes, growth rates, and geographic gradients* 07/2026
ICRS 2026, Auckland, New Zealand

15 *Population growth rate and adaptive capacity, not just thermal tolerance, drive long-term coral persistence under climate change* 12/2025
Reef Conservation UK, Bangor, UK

14 *Simulating coral connectivity and range shifts: the limits of predictability* 06/2025
Biodiversity Research Center, Academia Sinica, Taiwan

13 *Marine connectivity and coral range shifts: bridging the gap between models and reality* 06/2025
National Sun Yat-Sen University, Taiwan

12 *Anthropogenic climate change will likely outpace coral range expansion*. 12/2024
Department of Biology, University of Oxford, UK

11 *Anthropogenic climate change will likely outpace coral range expansion.* 11/2024
NOAA CIMAR *Climate and Communities* Symposium, Honolulu, USA

10 *High-latitude seas are unlikely to act as tropical coral refugia*. 09/2024
Australian Marine Sciences Association Conference 2024, Hobart, Australia

9 *How quickly can corals expand poleward?* 08/2024
School of Agricultural & Life Sciences, University of Tokyo, Japan

8 *Anthropogenic climate change will likely outpace coral range expansion*. 07/2024
NOAA Climate & Global Change Summer Institute, Colorado, USA

7 *The role of potential connectivity in shaping tropical biogeography and responses to rapid environmental change*. 05/2024
7th International Conference on Marine Connectivity, Montpellier, France

6 *No island is truly isolated: how ocean currents connect coral reefs and transport pollution across the western Indian Ocean*. 01/2024
Exeter Marine, SIF and ConScience, University of Exeter, UK

5 *How well connected are coral reefs in the southwest Indian Ocean?* 09/2023
Challenger Society Ocean Modelling SIG, Southampton, UK

4 *Coral reef connectivity across the southwestern Indian Ocean* 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)	*In kind*	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)	*In kind*	07/2019
1	Laidlaw Undergraduate Research Scholarship	£6,000	07/2018
	Total	***£621,800***	

Other awards

5 ARCHER2 Supercomputer Data Visualisation Competition 11/2022
Winning video: One year in the southwestern Indian Ocean

4 Best Overall Performance in the Final Honours School of Earth Sciences (Part B) 07/2019
Shell Prize, Department of Earth Sciences, University of Oxford

3 Best Overall Performance in the Final Honours School of Earth Sciences (Part A) 07/2018
Burdett-Coutts Prize, Department of Earth Sciences, University of Oxford

2 Best Overall Performance in the Second Year 07/2017
BP Prize, Department of Earth Sciences, University of Oxford

1 Best Performance in First-Year Mathe and Physics 07/2016
ISC Prize, Department of Earth Sciences, University of Oxford

Impact, media, and outreach

15 *Career Conversations, Ocean Sciences Meeting 2026* 2026
Acted as a mentor for the *Career Conversations* event at Ocean Sciences Meeting 2026, providing career advice to early career scientists.

14 *Super Science Saturday: Coral Reefs vs Climate Change* 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: *Hope for our coral reefs?*

12 *The Weather and Climate Livestream* 2025
Discussed *Climate change and the future of our coral reefs* to an audience of ~500 during a 100-hour webinar organised to raise awareness on the impacts of US federal science funding cuts.

11 *Skype a Scientist* 2024-
Ran (9+) interactive talks with high-school students through the *Skype a Scientist* scheme.

10 *Community engagement in O'ahu* 2024-2025
Ran various activities, including (i) *Mauka to Makai Environmental Expo* (activity on ecological modelling at Waikīkī Aquarium aimed at families with younger children), (ii) *August Ahrens Elementary School Career Fair* (talking to students aged 6-12 about marine science), and (iii) acting as a judge for the *Windward District Science and Engineering Fair*.

9 *Coral superhighway* 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 *Marine plastic pollution in the southwest Indian Ocean* 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.

7 *The Nature Conservancy Africa Year in Review* 2023
Coral reef connectivity research was featured in The Nature Conservancy Africa's Year in Review

6 *ARCHER2 Supercomputer Case Study* 2023
Two case studies were developed based on marine pollution and connectivity research for the ARCHER2 supercomputer

5 *Super Science Saturday: Lost at sea: how currents and waves connect our global ocean* 2023
Designed and led an activity at the Oxford University Museum of Natural History for KS1-3, reaching over 100 families

4 *Art-Science collaboration for COP26* 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 *NERC Doctoral Training Partnership Wessex Congress* 2021
Lead organiser for the 2021 Wessex Congress student conference for NERC doctoral training programmes in the southern UK

2 *Mentoring state (public) school students for widening access* 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 *Palaeoclimatology course for Year 12 students* 2020
Designed and delivered an introductory palaeoclimatology course for 24 Year 12 students.

Classroom teaching

6 Mathematics for Earth Sciences (Y1 undergraduates) 2026-*present*
Department of Earth Sciences, University of Oxford

5 Biological and Physical Oceanography (Y3 undergraduates) 2025-*present*
Department of Earth Sciences, University of Oxford

4 Topics in Climate Science (Y4 undergraduates) 2025-*present*
Department of Earth Sciences, University of Oxford

3 Tutor across climate and marine sciences, general academic skills (Y1-3 undergraduates) 2025-*present*
Department of Earth Sciences, University of Oxford

2 MBIO 691J: Climate Data – Past, Present, and Future 2025
Hawai'i Institute of Marine Biology (15 hours)

1 MBIO 691I: Introduction to Scientific Computing 2024
Hawai'i Institute of Marine Biology (15 hours)

Field teaching

2 Headington & Cumnor field trip (Y1 undergraduates) 2026-*present*
Department of Earth Sciences, University of Oxford

1 Bermuda field course (Y4 undergraduates) 2025-*present*
Department of Earth Sciences, University of Oxford

Doctoral supervision

[P] Primary supervisor, [C] Co-supervisor/Advisory Committee

2 [C] Tom Simmons, National University of Singapore, Singapore 2026-
Understanding the genetic connectivity of Coral Reefs across Papua New Guinea

1 [C] Andrew Watford, University of Oxford UK 2026-
Sources of variability in Atlantic overturning

Undergraduate and rotation project supervision

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

6 [P] George Willis, University of Oxford, UK 2026-2027
MESc research project on marine heatwave variability and impacts on coral reef resilience

5	[P] Tyra Donaldson, University of Oxford, UK *MESc research project on macroalgae as biomonitors of heavy metals in a Spanish Ria* *Co-supervisor: Rita Garcia-Seoane (UHM)*	2026-2027
4	[P] Sam Barnett, University of Oxford, UK *DPhil rotation project on ML-downscaling of surface currents and Lagrangian diagnostics* *Co-supervisor: Laura Mansfield (Oxford)*	2026
3	[P] Andrew Watford, University of Oxford, UK *DPhil rotation project on dispersal variability in the NW Pacific* *Co-supervisor: Helen Johnson (Oxford)*	2026
2	[P] Seychelle Brainard, Smith College, USA *BS research project on reef network fragmentation under future climate change* *Co-supervisor: Lisa McManus (UHM)*	2024-2025
1	[P] Alex Albinski, University of Oxford, UK *MESc research project on modelling plastic pollution dispersal associated with shipping* *Co-supervisor: Helen Johnson (Oxford)*	2023-2024

Research expeditions at sea

1	RV Kaimei, Cruise KM22-11C (Japan Agency for Marine-Earth Science and Technology). Higashi-Aogashima Knoll Caldera, Japan *Marine biology research assistant to Dr Chong Chen (JAMSTEC)*	09/2022

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 (2026-2027), reviewer for NERC Urgency 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 (Intermediate)