

DANIEL T. SKINNER

MMATH PHD FRMETS FRGS

CONTACT DETAILS

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SUMMARY METRICS

Research papers: 6
h-index: 3

Total citations: 30
Total funding: £71,655

PROFESSIONAL EXPERIENCE

Jul. 2025 – Present	Senior Research Associate , BRIDGE, School of Geographical Sciences, University of Bristol, UK.
Oct. 2023 – Jun. 2025	Senior Research Associate , Climatic Research Unit, School of Environmental Sciences, UEA, UK.
Jun. 2022 – Jun. 2023	Science Engagement Fellow , RMetS, Reading, UK. <i>(Part time, Remote)</i>

EDUCATION

Sep. 2020 – Sep. 2023	PhD , School of Mathematics, UEA, UK.
Sep. 2016 – Jul. 2020	MMath (Integrated Masters) , School of Mathematics, UEA, UK.

AWARDS AND HONOURS

2026	Fellow , Royal Geographical Society (with the Institute of British Geographers).
2025	Associate Fellow , Climatic Research Unit, UEA – <i>honorary position</i> .
2024	Fellow , RMetS.
-	Malcolm Walker Award for new environmental researchers , RMetS – <i>included award lecture at the 2024 RMetS Early Career and Student Conference</i> .
2022	Student Conference Oral Presentation Prize , RMetS – <i>included invitation to speak at the RMetS Scottish Local Centre Postgraduate Showcase</i> .
2021	Student Conference Poster Presentation Prize , RMetS – <i>included invitation to submit a paper to the Student Conference Special Issue of ‘Weather’</i> .
2020	MMath Final Assessment Prize , School of Mathematics, UEA – <i>for highest mark in year</i> .
2019	BSc Project Prize , School of Mathematics, UEA – <i>for highest mark in Year 3 dissertation</i> .
2017	Dominic Russel Prize , School of Mathematics, UEA – <i>“for exceptional efforts in helping other undergraduate students registered in the School of Mathematics to have a greater understanding of their studies”</i> .

GRANTS, FELLOWSHIPS, AND SCHOLARSHIPS

2023	Research Student Conference Fund , Institute of Physics, £300.
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- **Travel Grant for Early Career Researchers**, London Mathematical Society, £500.
- 2022 **Science Engagement Fellowship**, RMetS, £7,500.
- **Legacies Fund**, RMetS, £1,000.
- 2020 **Faculty of Science PhD studentship**, UEA, £62,355.

PUBLICATIONS

†: INVITED SUBMISSION.

PEER-REVIEWED RESEARCH PAPERS

6. Sear, D., M. Peable, P. Langdon, **D. T. Skinner**, M. Joshi, A. J. Matthews, C. Hipkiss, T. J. Osborn, G. N. Inglis, and J. Sheffield (2026) How did a changing climate in the tropical South Pacific contribute to the eastward migration and settlement of Polynesia?, *Journal of Pacific Archaeology*, 16(2), 5.
<https://doi.org/10.70460/jpa.v16i2.399>
† Invited submission to the special issue “Studies in honor of Melinda Allen”.
5. Peable, M., **D. T. Skinner**, G. N. Inglis, M. Joshi, P. Langdon, A. J. Matthews, T. J. Osborn, R. Scaife, J.-Y. Meyer, and D. Sear (2026) Cooler and drier climate in the South–Central Pacific during the last glacial period, *Communications Earth and Environment*, 7, 408.
<https://doi.org/10.1038/s43247-026-03356-8>
4. **Skinner, D. T.***, M. Peable*, G. N. Inglis, M. Joshi, P. Langdon, A. J. Matthews, T. J. Osborn, and D. Sear (2025) Ocean variability drives a millennial-scale shift in South Pacific hydroclimate, *Communications Earth and Environment*, 6, 679.
<https://doi.org/10.1038/s43247-02676-5>
* Co-lead authors
3. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2025) Decadal variability of MJO teleconnections in a coupled climate model, *Quarterly Journal of the Royal Meteorological Society*, 151(773), e5071.
<https://doi.org/10.1002/qj.5071>
‡ Selected as ‘Editor’s Highlight’.
2. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2023) Decadal variability of the extratropical response to the Madden–Julian Oscillation, *Geophysical Research Letters*, 50, e2023GL104576.
<https://doi.org/10.1029/2023GL104576>
1. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2022) North Atlantic Oscillation response to the Madden–Julian Oscillation in a coupled climate model, *Weather*, 77(6), pp. 201–205.
<https://doi.org/10.1002/wea.4215>
† Invited submission to the special issue “Student Conference 2021” as a result of 2021 RMetS Student Conference Poster Presentation Prize.

RESEARCH PAPERS IN REVIEW

1. In review – **Skinner, D. T.**, C. Robbins, M. Peable, G. N. Inglis, M. Joshi, P. Langdon, A. J. Matthews, T. J. Osborn, and D. Sear (2026) Decadal-scale drivers of South Pacific hydroclimate variability, *Quarterly Journal of the Royal Meteorological Society*.

OTHER PUBLICATIONS

5. **Skinner, D. T.**, H. Heidemann, and Y. Li (2026) CMIP Community Workshop 2026, *Weather*.
<https://doi.org/10.1002/wea.70084>
4. **Skinner, D. T.** (2024) Weather in my life: Daniel Skinner, *Weather*, 79(6) pp. 185.
<https://doi.org/10.1002/wea.4580>
† Invited submission to the special issue “Early Career and Student Conference 2023”.
3. **Skinner, D. T.**, and H. Mallinson (2023) Spotlight on the Youth and Early Career Special Interest Group, *Weather*, 78(6) pp. 164–165.
<https://doi.org/10.1002/wea.4423>
† Invited submission to the special issue “Student and Early Career Scientists Conference 2022”.
2. Bloomfield, H., M. Wright, and **D. T. Skinner** (2023) How the Royal Meteorological Society is engaging industry with Weather and Climate Science, *The Geographer (Royal Scottish Geographical Society)*, Spring 2023 pp. 34–35.

1. Wright, M., **D. T. Skinner**, H. Bloomfield and H. Mallinson (2023) RMetS Climate Change Forum 2022: A Vision for 2050 and Implications for Action, *Weather*, 78(4) pp. 117–119.
<https://doi.org/10.1002/wea.4372>

SCIENCE COMMUNICATION

PRESENTING AUTHOR, IF NOT MYSELF, MARKED BY UNDERLINE.

†: POSTER PRESENTATION.

INVITED TALKS

- 2026 Developing a large DAMIP2 ensemble with the HadCM3B-ESM model, *University of Tokyo and National Institute for Environmental Sciences*, Tokyo, Japan.
- 2025 South Pacific hydroclimate variability on decadal to millennial timescales, *University of Reading Meteorology Seminar Series*, Reading, UK.
 - Changes in South Pacific hydroclimate over the past two millennia (and beyond!), *University College London Palaeoclimate Seminar Series*, London, UK.
[Recording available online.](#)
- 2024 How do MJO teleconnections vary in time?, *RMetS Early Career and Student Conference*, Exeter, UK.
Malcolm Walker Award Lecture.
- 2023 Changes in the extratropical response to the Madden–Julian Oscillation, *RMetS Scottish Local Centre Postgraduate Showcase*, Online.
RMetS Student Conference Oral Presentation Prize Lecture.
[Recording available online](#)

CONFERENCE AND WORKSHOP CONTRIBUTIONS

21. Robbins, C., **D. T. Skinner**, G. N. Inglis, M. Joshi, P. Langdon, A. J. Matthews, M. Peale, T. J. Osborn, and D. Sear (2026) Mechanisms of South Pacific hydroclimate variability on decadal to multi-decadal time scales, *EGU General Assembly 2026*, Vienna, Austria.
20. † **Skinner, D. T.**, D. Mitchell, D. Lunt, and C. Jones (2026) Large ensemble detection and attribution with the HadCM3B model, *Coupled Model Intercomparison Project Community Workshop 2026*, Kyoto, Japan.
19. † Li, Y., C. Jones, P. Valdes, L. Chen, A. Farnsworth, J. Millot-Weil, S. Steinig, **D. Skinner**, R. Death, D. Lunt, and N. Weitzel (2026) Reconstructing the Preindustrial-to-Modern Carbon Cycle Using Emission-Driven HadCM3 Simulations, *Coupled Model Intercomparison Project Community Workshop 2026*, Kyoto, Japan.
18. **Skinner, D. T.**, D. Mitchell, D. Lunt, and C. Jones (2026) A large ensemble of detection and attribution simulations from the Bristol HadCM3 model, *32nd Conference of the Australian Meteorological and Oceanographic Society*, Hobart, Australia.
17. **Skinner, D. T.** (2026) Detection and attribution with the Bristol HadCM3 large ensemble, *International Detection and Attribution Group meeting 2026*, Melbourne, Australia.
16. **Skinner, D. T.**, M. Peale, G. Inglis, M. Joshi, P. Langdon, A. Matthews, T. Osborn, and D. Sear (2025) An SST-driven shift in South Pacific hydroclimate over the past millennium, *National Palaeoclimate Modelling Symposium*, London, UK.
15. **Skinner, D. T.**, M. Peale, G. Inglis, M. Joshi, P. Langdon, A. Matthews, T. Osborn, J.-Y. Meyer, and D. Sear (2025) Millennial-scale shift in the South Pacific Convergence Zone driven by a weakened tropical Pacific sea surface temperature gradient, *10th National Climate Dynamics Workshop*, Exeter, UK.
14. **Skinner, D. T.**, M. Peale, G. Inglis, M. Joshi, P. Langdon, A. Matthews, T. Osborn, J.-Y. Meyer, and D. Sear (2025) A shift in South Pacific hydroclimate over the last 1500 years driven by tropical Pacific variability, *EGU General Assembly 2025*, Vienna, Austria.
13. † Sear, D., M. Peale, **D. T. Skinner**, G. Inglis, M. Joshi, P. Langdon, A. Matthews, T. Osborn, and W. Roberts (2025) Ocean variability drives a millennial-scale change in South Pacific hydroclimate, *Quaternary Research Association Annual Discussion Meeting*, Newcastle, UK.
12. Peale, M., **D. T. Skinner**, G. N. Inglis, M. Joshi, P. Langdon, A. J. Matthews, T. J. Osborn, R. Scaife, J.-Y. Meyer, and D. Sear (2025) A cooler and drier climate in the South Central Pacific during the last glacial period, *Quaternary Research Association Annual Discussion Meeting*, Newcastle, UK.
11. **Skinner, D. T.**, M. Peale, G. Inglis, M. Joshi, P. Langdon, A. Matthews, T. Osborn, W. Roberts, and D. Sear (2024) South Pacific hydroclimate response to multi-decadal modes of variability, *9th National Climate Dynamics Workshop*, Bath, UK.

10. † Peaple, M., G. Inglis, P. Langdon, M. Joshi, **D. T. Skinner**, A. J. Matthews, T. Osborn, W. Roberts, and D. Sear (2024) Reconstructing South Pacific Convergence Zone precipitation over the past 60 ka using plant wax biomarkers, *EGU General Assembly 2024*, Vienna, Austria.
9. **Skinner, D. T.**, M. Joshi, A. J. Matthews, T. Osborn, G. Inglis, P. Langdon, M. Peaple, W. Roberts, and D. Sear (2024) South Pacific hydroclimate response to multi-decadal modes of variability in the IGCM4 climate model, *EGU General Assembly 2024*, Vienna, Austria.
8. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2024) Decadal variability of the extratropical response to the MJO: AMV and PDO modulation in the UKESM climate model, *EGU General Assembly 2024*, Vienna, Austria.
7. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2023) Decadal variability of the extratropical response to the Madden–Julian Oscillation, *28th International Union of Geodesy and Geophysics General Assembly*, Berlin, Germany.
6. † **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2023) The extratropical response to the Madden–Julian Oscillation has changed, *C-CLEAR ARIES Doctoral Alliance Symposium*, London, UK.
5. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2022) Changes in the extratropical response to the Madden–Julian Oscillation, *RMetS Student and Early Career Scientists Conference*, Manchester, UK.
4. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2022) Variations in the extratropical response to the Madden–Julian Oscillation, *7th National Climate Dynamics Workshop*, Norwich, UK.
3. **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2022) Decadal variability of the extratropical response to the Madden–Julian Oscillation, *EGU General Assembly 2022*, Vienna, Austria.
2. † **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2022) Decadal variability of the extratropical response to the Madden–Julian Oscillation, *C-CLEAR ARIES Doctoral Alliance Symposium*, London, UK.
1. † **Skinner, D. T.**, A. J. Matthews, and D. P. Stevens (2021) The MJO and its Teleconnections, *RMetS Student and Early Career Scientists Conference*, Online.

DEPARTMENTAL SEMINARS AND TALKS

- 2026 How can BRIDGE contribute to CMIP7?, *BRIDGE Seminar*, School of Geographical Sciences, University of Bristol.
* *Joint seminar with C. Jones.*
- 2025 Mechanisms and impacts of South Pacific hydroclimate changes over the past two millennia, *BRIDGE Palaeoclimate Group meeting*, School of Geographical Sciences, University of Bristol.
 - HadCM3 and CMIP7, *BCD Climate Science and Applications Group meeting*, School of Geographical Sciences, University of Bristol.
 - My research background and future plans, *BCD Climate and Health Group meeting*, School of Geographical Sciences, University of Bristol.
- 2024 Decadal variability of South Pacific hydroclimate, *ENV Colloquium*, School of Environmental Sciences, UEA.
- 2023 Changes in MJO teleconnection patterns on interannual to decadal time scales, *Atmosphere Ocean and Climate seminar*, Centre for Ocean and Atmospheric Sciences, School of Environmental Sciences, UEA.
 - Changes in the extratropical response to the Madden–Julian Oscillation, *MTH Research Day*, School of Mathematics, UEA.
- 2022 How does the weather in the tropics affect the weather in the UK?, *MTH Research Day*, School of Mathematics, UEA.

SUPERVISION AND MENTORING

UNDERGRADUATE STUDENTS

- 2026 **Isabella Garrett**. Summer project student, Co-supervisor (D. Mitchell lead).
“*Climatic impacts of a nuclear war.*”

COMMUNITY LEADERSHIP ACTIVITIES

POSITIONS HELD

- 2026 – Present **Member**, Fresh Eyes on CMIP.
- 2024 – 2025 **Deputy Chair**, UEA School of Environmental Sciences Researcher Affairs Forum.
- 2022 – Present **Member**, RMetS Youth and Early Career Special Interest Group.

2022 – 2023	Chair (and co-founder) , RMetS Youth and Early Career Special Interest Group.
2022 – 2023	Member , RMetS Energy Special Interest Group.
2022 – 2023	Member , RMetS Insurance Special Interest Group.
2021 – 2023	Postgraduate Representative , UEA School of Mathematics.
2018 – 2020	President , UEA MathSoc.

EVENTS

2025	Session Chair , 10th National Climate Dynamics Workshop, Exeter.
2023	Organiser , UEA COAS Atmosphere, Ocean and Climate Seminar Series (summer term).
-	Member , RMetS Early Career and Student Conference Organising Committee.
2022	Assistant , RMetS Climate Change Forum, London.

EDITORIAL AND REVIEW EXPERIENCE

EDITOR

2023 – Present	Early Career Conference Special Issue Editor*, Weather . * <i>Equivalent to Associate Editor level</i>
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REVIEWER

-	npj Climate and Atmospheric Science
-	Weather

TEACHING

TAUGHT COURSES: LECTURER

2021/22	Applied Methods and Inviscid Fluid Flows (MTHA5002B) – <i>Led IT lab component of course</i> Getting started with Python (SCI5RH1Y) Making figures in Python (SCI5RH3Y)
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TAUGHT COURSES: ASSOCIATE TUTOR (SEMINAR ASSISTANT AND MARKING)

2021/22	Applied Methods and Inviscid Fluid Flows (MTHA5002B), Computation and Modelling (MTHA4007B), Data Analysis in Python (SCI5RH2Y), Differential Equations and Introduction to Fluid Flows (MTHA5002A), Fluid Dynamics (MTHD6020A), Introduction to Quantum Mechanics and Special Relativity (MTHF5030Y), Introductory Mathematics for Scientists (MTHB3005A), Quantitative Skills II (ENV4014Y)
2020/21	Differential Equations and Applied Methods (MTHA5004Y), Dynamical Oceanography (MTHE6007B), Inviscid Fluid Flow (MTHA5007Y), Partial Differential Equations (MTHE6034A)
2019/20	Basic Mathematics I (MTHB3001A), Basic Mathematics II (MTHB3002B)
2017/18	Mathematical Problem Solving, Mechanics and Modelling (MTHA4004Y)

OUTREACH ACTIVITIES

2025	Lecture , Pint of Science festival, Norwich – “ <i>Why did Moana really return to voyaging?</i> ”.
2024	Lecture , Pint of Science festival, Norwich – “ <i>How is weather in Indonesia and the UK linked?</i> ”.
2022	School outreach event: Bringing Scientists To You , Springwood High School, Kings Lynn, UK.
-	School outreach event: Subject Discovery day , UEA, Norwich, UK.
-	School outreach course: STEP support classes , Advanced Mathematics Support Programme and UEA, Norwich, UK.
2021	School outreach event , Springwood High School, Kings Lynn, UK (online).
2019 – 2020	Mathematics tutor , Sir Isaac Newton Sixth Form, Norwich, UK.

Last updated: 19th June 2026