

EARLY CAREER AND STUDENT CONFERENCE



4TH – 5TH JULY 2023
UNIVERSITY OF READING
#RMETSEARLYCAREERS

WILEY

Hi all,

Welcome to the 2023 RMetS Early Career and Student Conference, in Reading and online! We have a fantastic line-up this year, featuring work from fantastic scientists (i.e. you) keynote speakers, and a communications workshop. We hope that this conference will be useful for connecting with fellow scientists, sharing your work and learning about the work of others.

On Tuesday morning, Malcolm Walker award winner and heatwave expert Dr Chloe Brimicombe will present her work: Still too hot to handle?. In the afternoon, we will have a keynote session with various speakers towards the start of their career paths, discussing their day-to-day jobs in meteorology- or science-related careers, and how they got there. Whether you're set on a life in pure academia forever, a voracious writer curious about journalism, or harbouring ambitions to forecast operationally, this panel will be able to answer your questions! On Wednesday, we will have a workshop on communicating science effectively.

The RMetS ECS conference has historically been a fantastic opportunity to get to know fellow meteorologists and climate scientists at a similar career stage. Our icebreaker will be in the Meadow Suite at Parkhouse on the University of Reading campus on Monday evening, with a tour of the atmospheric observatory available on Monday at 6pm for the weather nerds among us! On Tuesday, we will have our evening social event at Revolución de Cuba in Reading Town Centre. Following a successful if somewhat chaotic inaugural trial at last year's conference, a 'Taskmaster' style challenge will run throughout the week, encouraging participants both in-person and virtually to connect with other delegates by completing various small conference-related tasks. Finally, as is tradition, we will also vote on the annual RMetS student weather photography competition (this is not a suggestion... we will be locking everyone in the lecture theatre until the votes are in).

Finally, we'd like to say a huge thank you in advance for sharing your time, your work, and your training grants in order to attend the RMetS ECS conference. We hope you have a great experience at the conference, and we look forward to seeing your work!

Your co-chairs,
Fran and Ned



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The programme and abstracts are contained in a separate booklet.

Please note that due to the length of this pack and abstracts booklet, delegates **will not** receive printed copies upon arrival. You may print the booklets out for your own use if you wish.

1. Registration & Arrival

Address: **University of Reading
Agriculture Building
Early Gate
Reading
RG6 6AR**

Conference registration will take place between **0830 – 0900 hrs** outside the Nike Lecture Theatre, near the cafeteria. Please arrive in good time to register and take part in Ice breaker activities.

The conference will begin at **0900hrs** with the welcome and introduction by Prof Liz Bentley, CEO, Royal Meteorological Society.

Oral presentations can be submitted in advance or they can be uploaded on the day. **Please bring these to the committee on a USB stick.** Use of external USB sticks / computers/ other media is permitted however we encourage you to work from one central machine to help keep the sessions to time.

Posters: Please put these up on your arrival on the poster boards provided.

All delegates are asked to wear their badges whilst on site. If you are scheduled to arrive outside of the registration time, please email victoria.dickinson@rmets.org

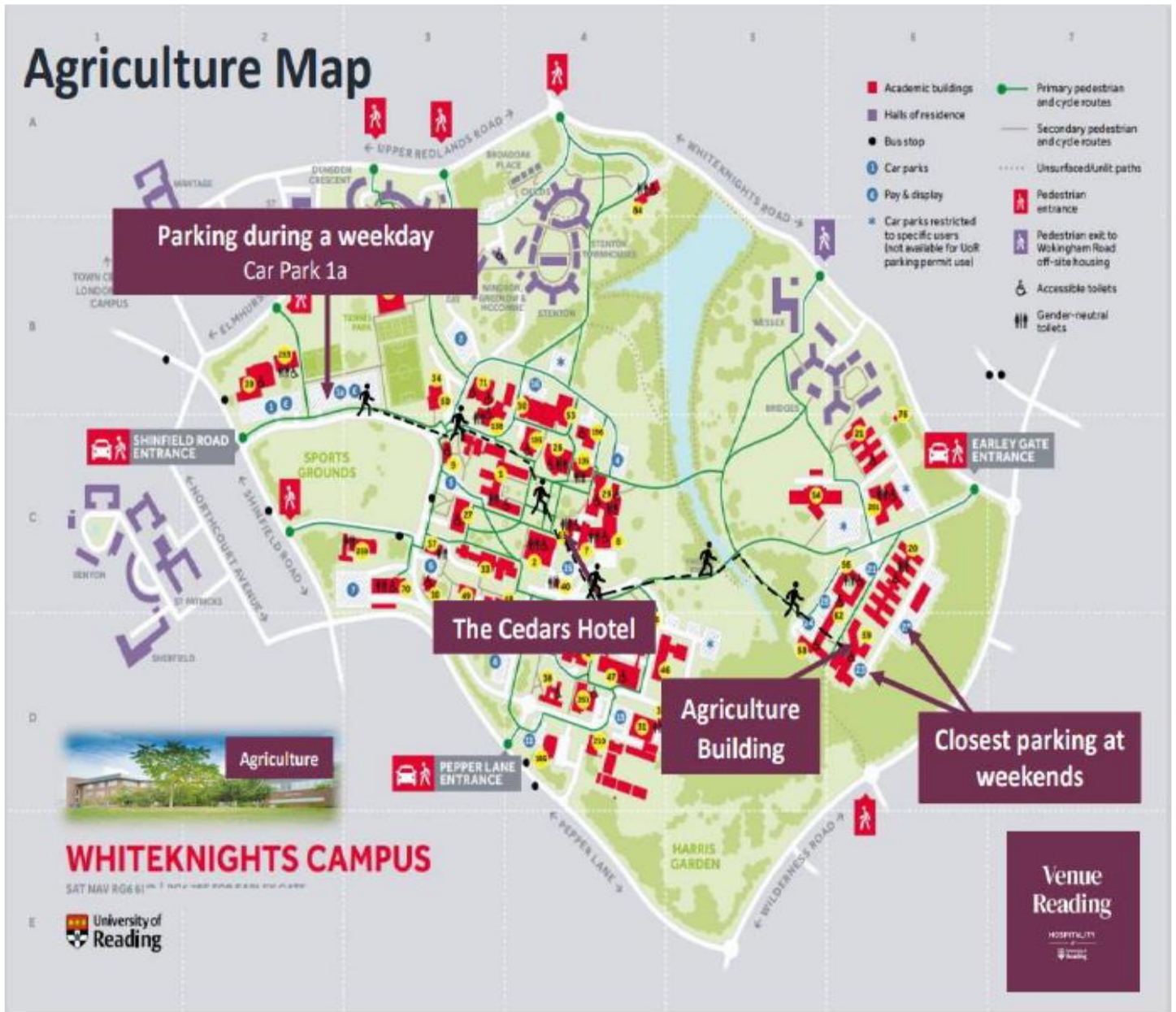
2. The Venue and Maps

The conference will take place in the Agriculture Building at the University of Reading – see address above. Presentations will take place across 2 lecture theatres and all refreshments will take place in the Cafe on the ground floor. The poster sessions will be on the first floor in L108. Monday's Ice Breaker will take place in the Meadow Suite, Park House on the University campus. The Networking Conference Dinner on Tuesday will take place in Reading Town Centre. All delegates must make their own way into town for this event - more about this in section 5.2. Food will be provided at these events.



The entrance to the Agriculture Building

Map of University Campus



Parking at the University

Parking is available outside the Agriculture building, but spaces are very limited (Car Park 23). If you decide to drive to the conference, you will require a parking permit for your car otherwise you may get fined. Please advise the conference department if this will be required on conferences@rmets.org. The closest entrance for the conference is Early Gate, Postcode RG6 7BE but for a guaranteed parking space Car Park 1a at the Shinfield road entrance would be more favourable.

3. Lecture Theatre Layouts



4. Social Events

4.1 Ice Breaker and Technical Tour

The ice breaker event will take place pre-conference on Monday 3rd July at 18.30pm in the Meadow Suite in Park House, University of Reading, Whiteknights Campus, Reading, RG6 6UR. It is a great opportunity to get to know your fellow delegates before the conference and for networking ahead of the event. An informal light buffet will be served. Should you have any specific dietary requirements, please do make sure you have let the team know in advance.

The university have kindly offered to give delegates from the conference a private tour of the Meteorological Observatory onsite on Monday before the Icebreaker. This tour will leave at 18.00pm and return to the Meadow suite afterwards. If you would like to attend, please let us know if you haven't done so already.

4.2 Conference Dinner

The Conference Networking Dinner takes place after day 1 of the conference on Tuesday 4th July at Revolución de Cuba Reading, 138 - 141 Friar St, Reading RG1 1EX. The event will take place on the 1st floor. The evening will start with a welcome drink starting at 1930hrs. A cash bar will be available throughout the night.

4.3 Dietary Requirements

Every effort has been made to ensure that any dietary requirements specified during initial registration are met. All venue's where catering is being supplied, have been given a list of the requirements. As part of the RMetS policy, where possible, all catering at the conference will either be predominantly vegetarian or vegan. **Please inform the serving staff of your name and dietary requirement when needed.**

5 Discord

Throughout the conference, we will be using the online platform Discord to engage with our virtual attendees. All question and answers can be asked using the platform. All virtual poster presenters will be available online throughout their sessions, so they can speak directly with delegates.

Invitation for Discord - <https://discord.gg/F4WjnUJVu>

Please make sure you download the **Discord App** where possible **prior** to attending the conference. All posters will be available to read in advance of the conference.

How to Join

- Please follow the link to join and then follow on screen instructions
- Add your name (pronouns can be included at your own discretion)
- Verify email address and create password. This will allow you to login and out.

Once on the server there are 18 different channels each with breakout rooms for delegates to discuss different topics.

- The general channel has an announcements section, a social chat, a scientific chat, and a photo competition chat. These different sections can be used throughout the conference to discuss different subjects and to encourage networking..
- Session 1 – 9 consist of rooms in which delegates can ask questions to the speakers and continue conversation when the talk is over.
- The Posters channel will give every poster presenter their own channel in order to engage and interact with virtual attendees. Each channel will have the poster at the top of the thread which delegates can refer to.
- The Keynote Early Career Panel Session channel will have an open panel discussion. This will be 1 chat open for anyone to ask questions to the speakers and continue to discuss topics after the discussion has ended.
- The Communicating your Science Workshop channel can be used to ask questions. More information will be explained at the conference by Prof Liz Bentley.
- There will be a moderator/chair in each channel to enabling delegates to ask questions in person.

Delegates can open a private channel to other members of the discord server by selecting the members name and typing their message in the message box. Direct messaging a member will take you to a different section. You will need to return to the RMetS channel to continue using the different threads available.

You cannot send voice messages. If you wish to physically speak with someone, you should either voice call or video chat them. This option is unavailable in the server channels and only available in the direct messaging feature.

We encourage all delegates to have a device that can run Discord to use throughout the conference. Please be aware, that you will not be able to use a Met Office Laptop to access Discord. Should you need to borrow a device on your arrival, please speak with the team at registration.

6 Keynote Speakers Information

Malcolm Walker Award Presentation

Still Too Hot to Handle?

Dr Chloe Brimicombe (she/her), Climate Science Post-Doc, Wegener Center University of Graz, Austria

Heatwaves are the deadliest weather hazard. Extreme Heat and Heatwaves also have several other health and cross-sectional impacts including a reduction in crop yields and pressuring infrastructure. During my PhD, I used a systems approach to evaluate different aspects that were important for the development of a Global Heat Early Warning System. I found that extreme heat and heatwaves were an invisible, silent killer underreported by both science and the media and not included enough in key policies. In addition, I developed a pre-operational thermal comfort forecasting system with ECMWF. In this talk, I will present an overview of my PhD research, before moving onto Still Too Hot to Handle what I've learnt since I submitted my PhD about a year ago by being involved in a maternal, newborn and child health project that focuses on heat impacts and interventions. I will also touch upon life as a post-doc abroad in a new country and what I'm learning from the whole experience.



Chloe is a Climate Scientist at the Wegener Center at the University of Graz, Austria and a post-doc on the HIGH horizons, an EU horizons project which explores the impact of heat on maternal, infant, child and health worker health. She was a PhD student at the University of Reading with ECMWF entitled 'Too Hot to Handle: The Global Impact of Extreme Heat'. Chloe was awarded the RMetS Malcolm Walker award in 2022 for an outstanding early career researcher for her work on heat early warning systems and science communication, areas she is passionate about.

The Malcolm Walker Award for New Environmental Researchers is bestowed annually to recognise and encourage new environmental researchers from a wide range of disciplines who have brought new insights into an aspect of the environmental sciences, which includes elements of meteorology and/or oceanography. The application should demonstrate that the candidate has an understanding of the historical context of their research and is able to communicate their work to a diverse audience.

Self-nominations are encouraged and must be submitted using the Application Form online by the end of October 2023. The application must be supported by the research supervisor(s) responsible for overseeing the work of the candidate which is to be considered for the award.

Tuesday 4th July: Early Career Panel Session



Hannah Findley (she/her), Service Delivery Manager, Met Office

Hannah is a Registered Meteorologist, with experience in the private, public, and third sector. She has forecasted for surface transport, UK and international low-level aviation, the energy sector, utilities, and the media. Hannah is especially interested in helping customers make good decisions and has recently moved into service delivery management. She also enjoys training, development, and outreach activities. Hannah has a BSc Geography and MSc Applied Meteorology and Climatology from the University of Birmingham, and an Aeronautical Meteorological Forecaster Competency Licence. Her hobbies are mostly musical, she runs a Community Choir and is a Jazz Pianist, Church Organist, Singer and Bell-ringer.

Kaja Milczewska (she/her), Environmental Public Health Scientist, UK Health Security Agency



After finishing my PhD in the Meteorology department at the University of Reading in 2021, I joined UKHSA as an environmental scientist. I currently work within the Air Quality and Public Health team, specifically on modelling indoor air quality and human exposure to certain chemical compounds, as well as contributing to air quality-related guidance and policy. My PhD thesis explored the influence of meteorological parameters within the Met Office regional outdoor air quality forecast model, and prior to that my background was in mathematics and physics. Outside of work, I am a long-distance runner and spend most of my time outdoors!

Craig Poku, Data Scientist, Datasparq



Dr Craig Poku is a data scientist for a company called Datasparq; an organisation aimed to help companies design ethical data solutions. Prior to this he completed a PhD in Atmospheric Sciences at the University of Leeds, however, found that during his postdoc years, making bread on a weekly basis changed his appetite for going into academia. This, combined with the barriers faced by Black academics allowed him to realise a career in data science was his true calling, which he will be talking about today.

Matthew Priestley (he/him), Research Fellow, University of Exeter/Willis Towers Watson



I am a research fellow at the University of Exeter working on statistical modelling of European windstorms. This research is funded by the Willis Towers Watson Research Network and involves providing research to industry partners and their clients. I am also a Science Engagement Fellow at RMetS for the Insurance Special Interest Group. This role brings together academics and insurers and focusses on improving collaboration and engagement between both sectors.

Ayesha Tandon (she/her), Science Journalist, Carbon Brief



Ayesha is the science journalist at Carbon Brief – a UK-based climate journalism and analysis group. Her job involves summarising important new climate science research, writing in-depth explainers, and reporting from conferences.

In 2022, Ayesha won the European Geosciences Union science journalism fellowship to report on climate-driven migration in Thailand. She is also the co-founder of the Global South Climate Database.

Ayesha worked at the UK Met Office as a climate science communicator for two years. She wrote briefing notes, made infographics and spoke on podcasts to communicate climate science to the government and general public. She graduated from the University of Exeter in 2019 with a masters degree in Natural Sciences, specialising in climate science.

7.1 Oral Presentations

The oral presentations are listed in the programme PDF.

All presentations will take place in either the Madejeski lecture Theatre or the Nike lecture theatre.

Each presentation should last for 12 minutes plus 3 minutes for questions (15 minutes in total). Please do ensure that you stay within the allotted time. Oral presentations will be collected if not already submitted during registration (please bring them on a USB stick only).

The Lecture Theatre PC is running **Windows 10 and Microsoft Office 2016 with PowerPoint**. Presentations should be in a 16:9 ratio. Please check the 'Information for Presenters guide' sent to speakers for more details.

The lecture theatre is equipped with a computer and data projector, audio can be used on the computer. You are advised to check any presentations before your talk.

Presentations should be in PowerPoint format if possible, although PDF files are also accepted. If your presentation includes animations please make sure that the files are included with your PowerPoint file.

The Conference room has both fixed microphones and a lapel microphone (designed to attach to clothing). There is also a clicker for transitions between slides, although no laser pointer is provided.

Any specific queries about computer equipment should be sent in advance via email Victoria.dickinson@rmets.org

Presenters are asked to meet their Session Chairperson (Conference committee member) at the front of the room 10 minutes before the start of their Session to ensure their presentations are ready to run.

- **All presentations must be pre-loaded to ensure they run**
- **Please ensure mobile phones are switched on silent mode whilst you are in the conference rooms.**
- **It is important your presentation stays within the allotted time and the Chair of your Session will remind you when time is coming to an end.**

Virtual Presentations

If you are presenting a virtual oral presentation, please join the Teams call 20 minutes before your session starts to test your microphone and video connection. The AV team will be on hand to go through any concerns you might have.

As a virtual presenter, you will share your slides directly from your computer to enable total control over your slides.

7.2 Poster Presentations

Posters can be put up from 08.30am, during registration on Tuesday 4th July on the Poster Board with your number on. The Poster Boards are located in L108 on the first floor, above registration.

Posters should be displayed throughout the conference. Poster boards are 2m high and 1m wide. Posters should be A0 Portrait in size. Velcro will be available on the Registration Desk.

There will be 2 poster sessions, Poster Session 1 on Tuesday 4th July 17.00-18.15pm and Poster Session 2 on Wednesday 5th July 11.50-12.50pm. Each session provides delegates a chance to talk to the presenters and ask questions related to their work. Posters should be removed from the boards by the end of the refreshment break on the second day (Wednesday 5th July 16.00pm). Any remaining posters will be taken down and left in a pile for you to collect before leaving the conference.

Virtual Posters

Please make sure you are online and using Discord to answer any questions delegate might have about your poster presentations. All PDF and PNG documents have been uploaded in advance of the event. A physical smaller copy of your poster has been printed off and placed on a poster board on your behalf.

Photo Competition

Photos submitted for the photo competition will be shown on screen in the lecture theatre during the breaks and lunchtime. The competition will be judged by the conference delegates and all the attendees will be asked to vote for their favourite photos.

Presentations for the photo competition will be made at the end of the conference.

Presentation Prizes

Liz Bentley (CEO, RMetS) and members of the Student Organising Committee will review both oral and poster presentations, and 5 presenters will be invited to have an article published in *Weather* journal, based on the standard of their talks.

Two oral presenters will also be given the opportunity to present their work to the RMetS Scottish Centre in March 2024.

Wiley have sponsored 2 poster prizes (**2 x vouchers from Wiley**) to be judged by the Chief Executive of the Royal Meteorological Society and members of the Student Conference Organising Committee during the Poster Sessions.

7.3 Posters Boards

All Even number posters will present on Tuesday 4th July at 17.00pm BST.
 Odd numbered postered will present on Wednesday 5th July at 11.50am BST.

An additional poster session for virtual presenters will also be held first thing on day 1 of the conference.

Poster Number	Presentation Title
1	An Analysis of the Daily Variation in the LLJ at BBM, Algeria and Comparison to ERA5 Alice Reynolds (she/her), Student, School of Geography and the Environment, University of Oxford
2	Ground-Truthing of the ICESat-2 Atmospheric Backscatter Andrew Martin (he/him), PhD Student, University of Leeds
3	Trends and Regional Variation in Upper Tropospheric Humidity Thea Stevens (she/her), PhD Student, University of Reading
4	Future Changes in East African Long Rains and Indo-Pacific Warming Thea Stevens (she/her), PhD Student, University of Reading
5	Application of Stochastic Partial Differential Equations to the problem of Radar Nowcasting Viv Atureta (she/her), Postgraduate Research Associate, University of Exeter
6	Decadal Modulation of El Niño-Southern Oscillation by Atlantic Multidecadal Variability Arundhati Kalyan (she/her), Postgraduate Researcher/PhD Student, School of Earth and Environment, University of Leeds
7	High Resolution Simulations of European Air Quality in 2050 Following Different Shared Socioeconomic Pathways Connor Clayton (he/him), PhD Student, University of Leeds
8	Observational Uncertainty in Recent Temperature Changes over Africa from Multiple Observational Products Dan Green (he/him), Postgraduate Teacher and PhD Student, University of Bristol
9	The use of Crowdsourced Observations to Build Climate Grids and Assess Urban Heat Hazard Matthew Fry (he/him), Scientist – Observation Network Design, Met Office
10	Mixed Layer Heat Budget Analysis in the Eastern Equatorial Indian Ocean during the Positive Indian Ocean Dipole Events in 2018 and 2019 Aparna Anitha Reghunathan (she/her), PhD Student, School of Environmental Sciences, University of East Anglia
11	Earth System Impacts of a Climate Overshoot Scenario Selena Zhang (she/her), MPhil Student, University of Cambridge
12	The Hybrid Tangent Linear Model – A novel approach to forecast model linearisation in 4D-Var data assimilation Tom Hill (he/him), Foundation Scientist in Data Assimilation, Met Office (UK)

13	Numerical Investigation of High Impact Foehn Storm in February 1925 using WRF and PALM Mode Renuka Prakash Shastri (she/her), PhD Student, University of Bern, Switzerland
14	How Well Do Forecast Models Represent Liquid and Ice Phases in Clouds? Matt Evans (he/him), Cloud & Aerosol Research, Met Office
15	Decadal Climate Forecasting for the Energy-Sector Ben Hutchins (he/him), PhD Student, Department of Meteorology, University of Reading
16	Tracking Storms and Extreme Rainfall over South America in km-Scale Simulations of Present and Future Climate Harriet Gilmour (she/her), PhD Student, University of Exeter
17	Extreme Event Attribution for a Midlatitude Cyclone using Medium-Range Forecasts Shirin Ermis (she/her), Doctoral Researcher, University of Oxford, AOPP
18	Assessment and Optimisation of Carbon Monoxide Measurements at the FAAM Airborne Laboratory Eve Grant (she/her), MChem Placement Student, FAAM
19	Developing Tailored Rainfall Information Packs for UK Cities Rebecca Sawyer (she/her), Applied Scientist (Foundation Scientist), Met Office
20	Seasonal Rainfall Trends and Drought Characteristics over Northern Uganda Joan Badebye (she/her), Student/Graduate Trainee, University of Reading/ Uganda National Meteorological Authority
21	Impact of Ocean Resolution on the Simulation of ENSO and its Teleconnections Ned Williams (he/him), PhD Researcher, University of Exeter
22	Can we Improve Short-Range Plume Dispersal Modelling for Fire Related Emergency Response Operations? Nicola Stebbing (she/her), Foundation Scientist, Met Office
23	The Role of Ozone in S2S Weather Prediction Meryl C. Anil (she/her), PhD Student, University of Reading
24	Indian Ocean Systematic Biases in the Met Office Global Coupled Model Hannah Ellis (she/her), Scientist – Global Coupled Modelling, Met Office
25	The Impact of Rotation Rate on Clouds Daniel A. Williams (he/him), PhD Student, University of Exeter
26	Utilizing the Integration of MODIS and Landsat Data to Ascertain the Land Surface Temperature (LST): A Novel Approach for Dhaka Megacity Nigar Sultana Parvin (she/her), Doctoral Researcher, University of Birmingham
27	Exploiting Grid Orthogonality: Solver Optimisation in New Met Office Regional Models Benjamin Buchenau (he/him), Placement Student, Met Office, University of Edinburgh
28	Seasonal Forecasting of the Physical Marine Environment of the European North West Shelf Jamie Atkins (he/him), PhD Student, University of Exeter

29	Enhanced Climatology of Large Hail in the UK: Radar-derived diurnal cycle and storm mode Henry Wells (he/him), Doctoral Researcher, Department of Geography and Environment, Loughborough University
30	Probabilistic Machine Learning for Predicting Atmospheric Convection Greta Miller (she/her), PhD Student, Department of Physics, University of Oxford
31	Suitability of Entraining Parcel Models for Parameterisation of Convection Jure Zgubic (he/him), PhD Student, University of Cambridge
32	Using a High-Resolution Climate Model (CP4A) - For wind power projections in Tanzania Alexander Chamberlain-Clay (he/him), Scientific Software Engineer, Met Office
33	Comparing Gravity Waves Sampled from a Kilometre-Scale IFS run to AIRS Satellite Observations Emily Lear (she/her), PhD Student, University of Bath
34	Multivariate Skill and Spread in the Energy Sector Emma Patmore , Meteorologist, Lake Street Consulting Ltd
35	Nowcasting of Convective Thunderstorms using 3D Radar Cell Tracking Andrew McNaughton (he/him), Foundation Scientist, Met Office
36	A Novel Method for Identifying Gravity Waves from Satellite Observations Peter Berthelemy (he/him), PhD Student, University of Bath
37	Detection and Attribution of Climate Change in UK Hazards and their Impacts Regan Mudhar, PhD Student, University of Exeter
38	The Seasonal Teleconnections of the Indian Ocean Dipole to the North Atlantic Region Tim Hempel (he/him), PhD Student, University of Oxford
39	Extreme Temperature Indices Based on Satellite Land Surface Temperature Data Josh Blannin (he/him), Foundation Climate Observation Scientist, Met Office Hadley Centre
40	The Characteristics of Trapped Lee Waves over the UK Hette Houtman (he/him), PhD Student, University of Reading
41	Does the Application of Shelf-Sea Model S2P3 Refine SST Estimates for Impact Assessments? Josh Wiggs (he/him), Scientific Software Engineer, Met Office
42	A Framework for Understanding the Correlation between Aggregated Losses of Compound Events Toby P. Jones (he/him), PhD Student, University of Exeter
43	Using Infographics to Communicate Climate Information Hannah Griffith (she/her), Climate Scientist, Met Office
44	Understanding the Influence of Arctic Weather Systems on Predictive Skill Across Mid-Latitudes Doug Wood (he/him), PhD Student, University of Reading
45	Exploring Trends in UK River Flow: An approximate Bayesian approach for detection and analysis

	Tommy Irons (he/him), PhD Student, University of Exeter
46	The Pliocene as an Analogue for our Warmer Future Lauren Burton (she/her), Postgraduate Researcher, University of Leeds
47	Summer Compound Heatwaves over China: Projected changes at different global warming levels and related physical processes Mingming Zhang (she/her), PhD Student, University of Reading
48	The Roles of Anthropogenic Forcings on the Decadal Changes of Summer Heatwaves over China Mingming Zhang (she/her), PhD Student, University of Reading
49	The Signal To Noise Paradox: Assessing Climate Models' Ability To Accurately Predict Atmospheric Circulation Variability Frankie Cottrell (she/her), Student, University of Exeter
50	Video-Based Convolutional Neural Networks for Rainfall Forecasting Dr Andy Barnes (he/him), Lecturer in Artificial Intelligence, University of Bath
51	ADS-B Interferometry: A new source of humidity observations Ollie Lewis (he/him), PhD Student, Met Office & University of Exeter
52	Analysing the Influence of Environmental Conditions on Air Temperature Measurements Natali Giselle Aranda (she/her), PhD Student, Politecnico di Torino
53	The Impact on Forecast Skill for Post-Processed Met Office Visibility Forecasts when Using a New Underlying Visibility Physics Model, VERA Will Luscombe (he/him), Foundation Scientist, Met Office
54	* Sensitivity of Ocean Model Simulations in the Adriatic Sea to ERA-Interim and ERA5 Reanalyses Javad Babagolimatikolaei, PhD Student, University of Manchester
55	*Understanding the Dynamic and Energetic Association between ITCZ Migration and Cloud Bias in Climate Models over Tropical Africa Tomviezibe Cephas Dombo (he/him), PhD Scholar, Indian Institute of Technology, Delhi Indian Institute of Technology, Delhi
56	*Enhancing Smallholder Farmers' Resilience through Effective Climate Communication Channels in Rwanda: A case study of ruhango district Alexis Nzeyimana, Observation Supervisor, Rwanda Meteorology Agency

8. Feedback

Conference Survey

At the Society your feedback is taken seriously when planning future events. Each delegate will be sent an email following the Conference with a link. Please could you take the time and complete your feedback and help to make next year's event even better.

A message from the Membership Team at the Royal Meteorological Society

RMetS Membership Survey

Thank you for being a valued part of the Royal Meteorological Society.

Without your loyalty and support, we wouldn't be able to continuously provide important benefits and actively deliver on our mission.

This year over 90% of our members stayed with the Society, and so we can respond to the evolving needs of our diverse and growing community, we need to understand more about what you do, what you currently like best about us, what you don't like and what more we could do for you.

The information you provide will feed into RMetS new member and wider community strategy.

We have split this short survey into 3 key sections.

1. About you
2. Your current relationship with and views about the Society.
3. What RMetS of the future looks like to you.

We know that your time is precious, Society members are asked to complete this survey every three years and it should take no more than 15 minutes to complete, so we appreciate your response.

If you would like to be entered into our prize draw for a £25 voucher of your choice, please provide your email address at the end of the survey.

Please note none of the questions are mandatory and you can skip a question if you prefer.

Thank you very much for taking the time to complete the survey.
RMetS Membership Team

To take the survey scan the QR code below.



9. Social Media

Up to date information about the conference is provided on the Society's website <https://www.rmets.org/studentconf2023>

You can follow the Society on Twitter '@RMetS' and be sure to use the Student Conference 2023 hashtag #RMetSEarlyCareers

10. Internet Access

Wifi is available at the university for all delegates as 'Wifi Guest' (not UoR Guest). Once connected, open your web browser and follow the onscreen instructions. Once you have clicked to confirm, you will be connected to the wifi.

11. Green Conference Guidelines

The Royal Meteorological Society is the UK's Professional and Learned Society for weather and climate.

The following guidelines summarise the Society's commitment to conducting conferences in a manner that stresses responsible use of natural resources and minimisation of greenhouse gas emissions and other waste and pollutants.

Conference Organisation and Planning

1. Participants and presenters are advised in advance that the meeting will strive to minimise environmental impacts and greenhouse gas emissions.
2. For all goods procured for the meeting, preference is given to the most environmentally-appropriate, locally-produced alternatives that are available at a reasonable price. We are willing to pay more for environmental responsibility.
3. Printed material are kept to a minimum, and all printed paper (i.e. conference proceedings, registration papers, photocopying etc.) aims to have certified recycled content, with a high proportion of post-consumer content. Chlorine-bleached paper is avoided.
4. Conference CDs are not offered; rather materials such as abstracts and proceedings are provided online.
5. Steps are taken to minimise environmental impact of transportation to the conference and during the conference. This includes choosing a locale accessible by public transportation, walking and biking.
6. Attendees and organisers are encouraged to walk, bicycle, carpool or use public transit to attend meetings and events whenever possible. Venues are evaluated in part based on their environmental policies and practices. You will be asked whilst at the event to complete an online form which indicates your mode of transport. This will help RMetS to understand the overall impact of our events and can consider actions to make our events net zero in the future.

7. Sponsors and donors are actively sought who reflect positive environmental values and practices.

Registration

1. Measures are taken to reduce paper waste at check-in (e.g., short registration forms, computerised systems).
2. Registration package and nametags are provided in a reusable or reused holder.

Programme

1. Educational efforts are undertaken as part of the programme to make participants aware of their environmental impacts during the conference.
2. Attendees are reminded of waste reduction and other environmental opportunities during the conference.

Conference Site Systems

1. Recycling and composting systems are in place with convenient and well-marked receptacles.
2. Distribution of handouts and session notes is limited.
3. Exhibitors are encouraged to reduce environmental impact through use of reusable materials and by limiting handouts and giveaways. It is suggested that instead they collect business cards or names of those interested in receiving more information or product samples.
4. Receptacles are provided at convenient locations for the return of nametag holders at the end of the meeting.
5. Lights and other electrical equipment are turned off when not in use.

To view the RMetS event team Net Zero Pledge, please visit - <https://www.rmets.org/rmets-events-net-zero-pledge>

12. Luggage storage

Delegates may store suitcases at the conference. The designated room is yet to be assigned but there will be a safe space to leave items as required.

13. Taxis, Trains and Buses

By rail

Reading train station is a mainline train station and is easily accessible from most other places in the UK.

There are direct rail links from many major cities, including Birmingham, Manchester, Glasgow, Cardiff, Bristol, and Exeter, as well as a number of routes through London.

If you are travelling from or via London, the quickest route to take is from London Paddington station.

Trains from London Paddington to Reading run approximately every 15-20 minutes throughout the day and the average journey time is around 30 minutes.

Once you arrive at the train station, you can walk or cycle to either campus. If you choose to take a taxi or bus, the bus stops and taxi rank can be found outside the station. A taxi will cost you approximately £8 and a single bus journey will cost you £2.00 (a day ticket is £4.00. You purchase your ticket on the bus and will need either the exact change or a contactless bank card).

By bus

The buses that run from the train station to the University are as follows:

To Whiteknights campus (Earley Gate)

Numbers 17 (frequent) or 19

Walking or Cycling

Our campuses in the Reading area are within easy walking and cycling distance from local train stations.

Our Whiteknights campus is approximately two miles and around 40 minutes on foot from Reading Station. Please allow a further 10 minutes to reach a specific building or site once on campus.

Alternatively, here are some useful numbers:

Reading Taxis: 0118 315 0644

Taxi in Reading: 0118 207 3007

14. Science Engagement Fellow - Introduction



I'm a PhD student investigating how the rapidly changing Arctic may be affecting northern midlatitude winters. When I'm not sitting in front of my laptop, you can find me sharing science with the public around Exeter and beyond! In my new role of Youth and Early Careers Fellow I'd really like to better understand you and what you need from us so we can provide the best possible support. I'll be around asking what "early career" means to you and what kind of events you'd like to see from us, so feel free to come say hello!

Thanks

The Organising Committee and RMetS staff would like to thank you for attending the RMetS Early Career and Student Conference 2023. We hope that you enjoy the experience and look forward to seeing many of you again next year!

The 2023 Organising Committee

Fran Morris (Joint Chair)
Ned Williams (Joint Chair)
Ashar Aslam
Alex Chamberlain-Clay
Matthew Fry
Emily Lear
Dan Skinner

Would you like to be a member of the 2024 Organising Committee? Please email victoria.dickinson@rmets.org to find out more details and to register your interest. Alternatively, there is a sign-up sheet on the registration desk at the conference.