Poster Presentation Board Numbers

Poster Number	Presentations
1	**Exploring the Importance of Representing Chemistry When Modelling the Atmospheric Transport and Dispersion of Volcanic SO2 using NAME** Lucy King (she/they), Earth Observation Foundation Scientist, The Met Office
2	**Large-Ensemble Simulations of Volcanic Impacts on Climate Throughout the Last 9000 years** Magali Verkerk (she/her), PhD Student, University of Exeter
3	**Simulating Martian CO2 Ice with the Unified Model** Alex McGinty (he/him), Master's Student, University of Exeter
4	**Accurate Modelling of CMIP6 ESM Carbon Cycles** Alex Romero Prieto (he/him), PhD Student, University of Leeds
5	**A Scale-Aware Method for Parametrizing Dispersion by Unresolved Motions in the Atmopshere** Vibha Selvaratnam, PhD Student/Atmospheric Dispersion Scientist, The Met Office
6	**Novel Approaches to Observationally Constrain Aerosol Effects in Climate Models** Léa Prévost (she/her), PhD Student, University of Leeds
7	**Evaluating Ensemble Forecasts of Atmospheric Dispersion Events** Ben Joyce, Atmospheric Dispersion Scientist Placement, The Met Office
8	**Multidecadal Atmospheric Circulation Trends and their Drivers** Melissa Seabrook, Scientist, The Met Office
9	**Quantifying Risk of a Noise-Induced AMOC Collapse** Ruth Chapman (she/her), PhD Student, The Met Office
10	**Interactions Between Arctic Cyclones and Sea Ice in Summer** Xueqing Ling, PhD Student, University of Reading
11	**Equatorial Waves in Global Kilometre-Scale Model Simulations** Elliot McKinnon-Gray, PhD Student, University of Reading
12	**Serial Clustering of Cyclonic Windstorms over Europe on Intra-Seasonal Timescales** Sophie Feltz (she/her), PhD Student, University of Birmingham
13	**Investigating the Eddy Feedback Processes Between Zonal Wind and Wave Sources Using an Idealised Model** Charles Turrell (he/him), Postgraduate Researcher, University of Exeter
14	**A Source of Clear-Air Turbulence? Tracking gravity wave formation in inertially unstable regions.** Timothy Banyard (any/all), Postdoctoral Research Associate, University of Manchester
15	**Minimal Moisture Models in Convective Penetration of a Stably Stratified Layer** Charles Powell (he/him), PhD Student, University of Cambridge

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16	**Effect of Seasonal Drivers on the Life Cycle of Boreal Summer Intra-seasonal Oscillation (BSISO)** Indrakshi Mukherjee, PhD Student, University of Reading
17	**An Idealised Model of Martian Polar Vortex Dynamics** Stephen Hughes (he/him), PhD Student, University of Exeter
18	**Developing and Evaluating Cyclone Tracking Algorithms to Detect and Track Polar Lows** Alice Miller (she/her), Deployable Project Scientist, The Met Office
19	**Investigation of Graupel Hydrometeor Spatial and Temporal Size Distribution in Deep Convective Cloud** Ezri Alkilani-Brown (she/they), PhD student, University of Leeds/ The Met Office
20	**Results from a Climatology of Large-Scale Atmospheric Gravity Waves** Peter Berthelemy (he/him), PhD Student, University of Bath
21	**Study of Extreme Precipitation Events Characteristics in West Java Indonesia** Yan Firdaus Permadhi, PhD Student / Climatologist, University of Exeter
22	**A Multi - Hazard Risk Assessment for Remote Transport Infrastructure Exposed to Precipitation Induced Hazards Under Future Climate Projections** Rachel Doley (she/her), PhD Student, University of Birmingham
23	**Quantify the Drivers of Humid Heat Extremes over Africa** Jack Law (he/they), PhD student, University of Leeds
24	**Seeing Extreme Winds: Video innovation for precise extreme wind assessment** Sai Kulkarni (she/her), Doctoral Researcher (first year), Loughborough University
25	**An Early Warning System for Humid Heat Extremes over the Maritime Continent** Anistia M. Hidayat (she/her), PhD student, University of Leeds
26	**Weather Patterns and Antecedent Conditions Driving Extreme Floods in UK Benchmark Catchments** Emma Ford (she/her), Doctoral Researcher, University of Oxford
27	**The Diurnal Cycle of Gravity Waves in GNSS-RO data** Emily Lear (she/her), PhD student, University of Bath
28	**Investigating Observations from Ground-Based Far-INfrarEd Spectrometer** Sophie Mosselmans (she/her), PhD Student, Imperial College London
29	**Assimilating NASA Deep Blue VIIRS AOD Observations into the UK Met Office NWP Global Model** Patrycja Siwek (she/her), Earth Observation Foundation Scientist, The Met Office
30	**Monitoring the UK climate in the National Climate Information Centre at The Met Office**

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	Emily Carlisle (she/her), Scientist - UK Climate Monitoring, The Met Office
31	**Quantifying the Underestimation of Rainfall by Rain Gauge Networks: Significance, implications & recommendations** Ruth Dunn (she/her), Doctoral Student, Newcastle University
32	**Quality Control of the Gridded Radar Precipitation Dataset** Xiaobin Qiu (he/him), PhD student, Newcastle University
33	**Towards a Blended Satellite-Station Sunshine Duration Dataset for the UK** Josh Blannin (he/him), Foundation Climate Observation Scientist, The Met Office
34	**Atmospheric Response to Mesoscale Ocean Eddies in Southeast Asia** Ashar Aslam (he/they), PhD Student, University of Leeds
35	**Simulating Regional Marine Cloud Brightening (MCB) in the UKESM1 Climate Model** Alex Mason (he/him), PhD student, University of Exeter
36	**The Inian Ocean : Understanding the biases in the Met Office Global Coupled Climate Model (GC5).** Aparna Anitha (she/her), PhD Student, University of East Anglia
37	**Developing a Coupled Model to Explore Antarctic Ice Sheet - Climate feedbacks in the past and future** Laura Byrne(she/her), PhD student, University of Exeter
38	**Assessment of the Met Office's Coupled and Ocean-Only Systems in Predicting Arctic Sea Ice and Ocean Conditions** Jessica Diamond (she/her), Deployable Project Scientist, The Met Office
39	**Developing the Met Office's Regional Arctic Atmospheric Modelling Capabilities** Eloise Matthews (she/her), Deployable Project Scientist, The Met Office
40	**Exploring Mechanisms for Model-Dependency of the Stratospheric Response to Arctic Warming** Regan Mudhar (they/them), PhD Student, University of Exeter
41	**Adaptively Implicit Time stepping for Atmospheric Transport** Amber Te Winkel (she/her), PhD student, University of Reading
42	**Can Air-Sea Coupling Solve the Signal-to-Noise Paradox in Climate Predictions?** Yvonne Anderson (she/her), PhD student, University of Leeds
43	**Implementation of Regional Idealized Tests in the Met Office Next Generation Atmosphere Model** Declan Healy, Industrial Placement, The Met Office
44	**WRF Model Utilized for Tropical Cyclone Prediction (Case Study: Tropical Cyclone Anggrek)** Fazrul R. Sadarang (he/him), Master's Student, University of Birmingham
45	**Informing the Unification of a Single Cloud Scheme in Met Office's Unified Model** Frankie Cottrell (she/her), Foundation Scientist - Clouds and Radiation, The Met Office

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46	**Identifying Forecast Busts Events in Recent Years Over European Region** Kaustubh Mittal, PhD Student, University of Reading
47	**Developing Mountain Ancillary Fields for Next Generation Modelling Scheme** Callum Dinnett (he/him), Foundation Scientist - Atmospheric Processes and Parametrizations (Orographic Processes), The Met Office
48	**A Cloud-Based Platform for Scientific Post-Processing Workflows** Thomas Harry Mansfield, Foundation Scientific Software Engineer, The Met Office
49	**Detecting Arctic Polar Lows Using Deep Learning** Jack Hill (he/him), Deployable Project Scientist, The Met Office
50	**Causal Approach to Cloud Development Along Trajectories** Geoff Pugsley (he/him), PhD reseacher, Imperial College London
51	**Enhancing Radar-Based Precipitation Nowcasting through Deep Learning: A case study with Rainymotion** Daniel O'Brien (any/all), Student, Maynooth University
52	**Improving Vertical Detail in Simulated Temperature and Humidity Data Using Machine Learning** Joana Rodrigues (she/her), AI Aided Hybrid Modelling Scientist, Met Office
53	**Identifying Precipitation Types over China Using a Machine Learning Algorithm** Yi Wang (she/her), PhD student, University of Exeter
54	**Can we Accelerate Fluid Dynamics Solvers in Atmospheric Models using Machine Learning?** Benjamin Buchenau (he/him), Student, University of Edinburgh
55	**Hydra-LSTM: A semi-shared machine learning architecture prediction across catchments** Karan Ruparell (he/him), PhD Candidate, University of Reading
56	**Identification of Cumulonimbus Clouds from Radar Imagery using a Convolutional Neural Network** James Mitton (he/him), Foundation Scientist - Aviation Applications, The Met Office
57	**Reducing Errors In The UK Sea Level Forecast Using Gradient Boosted Random Forests** Theo Xirouchaki (they/them), AI Aided Hybrid Modelling Foundation Scientist, The Met Office
58	**Toward the Use of Ensemble Sensitivity Analysis for Monitoring Precursors to Extreme WeatherEevents** Daniel Etheridge (he/him), Deployable Project Scientist, The Met Office
59	**Machine Learning Subgrid Variability to Perturb Parameterisations** Helena Reid (she/her), Modelling Scientist, The Met Office
60	**Global Stilling: The importance of high-resolution wind speed data.** Kathryn Vest (she/her), PhD Student, Lancaster University
61	**A New Model for Rail Surface Temperature Prediction**

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	Noémi Gönczöl (she/her), Foundation Scientist, The Met Office
62	**Exploring Mathematical Formulations for a Next-Generation Compatible Finite Element Dynamical Core** Daniel Witt (he/him), PhD Student, University of Exeter
63	**Dansgaard-Oeschger Events: Challenges of Predicting Abrupt Shifts in Multiscale Systems** Bryony Hobden (she/her), PhD Student, University of Exeter
64	**Climate Action Co-Benefits and Trade-Offs: How a decision-support tool can be used to assist in understanding the evidence on climate action co-benefits and trade-offs and its application to UK climate policy** Daisy Harley-Nyang (she/her), Deployable Project Scientist, The Met Office
65	**Astroclimes: A synthetic transmission spectra code for measuring atmospheric CO2** Marcelo Aron Fetzner Keniger (he/him), PhD Student, University of Warwick