

| TIME                       | SESSION   | PRESENTER             | TITLE  |
|----------------------------|---|-----------------------|--|
| <b>MONDAY 17th June</b>    |   |                       |  |
| 13:00                      | REGISTRATION & BADGE COLLECTION from 13:00 @ Building 10 East, University of Bath |                       |  |
| 14:00                      | <b>WELCOME &amp; HOUSE KEEPING</b>  | Almowafy & Hindley    |  |
| 14:15                      | <b>MODEL ERRORS 1</b>   | Christopher O'Reilly  | Signal-to-noise errors in early winter Euro-Atlantic predictions caused by weak ENSO teleconnections and pervasive North Atlantic jet biases                         |
| 14:30                      |   | Reinhard Schiemann    | Blocking simulation in global models – are we getting there?   |
| 14:45                      |   | Jacob Maddison        | Missing increase in summer Greenland blocking in climate models  |
| 15:00                      |   | Matthew Patterson     | Factors affecting climate model responses to Atlantic Multidecadal Variability   |
| 15:15                      | BREAK   |                       |  |
| 15:30                      | BREAK   |                       |  |
| 15:45                      | <b>MODEL ERRORS 2</b>   | Adam Scaife           | Spread and Errors in Forecast Ensembles  |
| 16:00                      |   | Rosie Eade            | Recalibration of extreme multi-decadal trends in the North Atlantic Oscillation  |
| 16:15                      |   | Xiaocen Shen          | A Forensic Investigation of Climate Model Biases in Teleconnections: The Case of the Relationship between ENSO and Stratospheric Polar Vortex                        |
| 16:30                      |   | Steve Hardiman        | Machine learning for bias correcting seasonal forecasts  |
| 16:45                      | Machine learning for bias correcting seasonal forecasts                           |                       |  |
| 17:00                      | POSTERS AND REFRESHMENTS  |                       |  |
| 17:15                      | POSTERS AND REFRESHMENTS  |                       |  |
| 17:30                      | POSTERS AND REFRESHMENTS  |                       |  |
| 17:45                      | POSTERS AND REFRESHMENTS  |                       |  |
| 18:00                      | POSTERS AND REFRESHMENTS  |                       |  |
| 18:15                      | POSTERS AND REFRESHMENTS  |                       |  |
| 18:30                      | POSTERS AND REFRESHMENTS  |                       |  |
| 18:45                      | POSTERS AND REFRESHMENTS  |                       |  |
| 19:00                      | POSTERS AND REFRESHMENTS  |                       |  |
| <b>TUESDAY 18th June</b>   |   |                       |  |
| 09:00                      | <b>PREDICTABILITY 1</b>   | Emmanuel Rouges       | Influence of weather regimes on European winter energy demand and renewable generation   |
| 09:15                      |   | Hazel Thornton        | Seasonal Predictability of the East Atlantic Pattern in Late Autumn and Early Winter   |
| 09:30                      |   | Julia Lockwood        | Investigating signals in summer seasonal forecasts over the North Atlantic/European region   |
| 09:45                      |   | Matthew Priestley     | Forced changes and internal variability in projections of European Storminess  |
| 10:00                      | BREAK   |                       |  |
| 10:15                      | BREAK   |                       |  |
| 10:30                      | <b>PREDICTABILITY 2</b>   | Muhammad Adnan Abid   | Predictability of Indian Ocean precipitation and its teleconnections to the North Atlantic Oscillation during early winter   |
| 10:45                      |   | Rajeev Sukumara Kurup | Identifying Weather Regimes and Assessing Regime-Driven Renewable Energy Potential at climatic scales using CMIP6 models and Machine Learning Techniques over Africa |
| 11:00                      |   | Rhidian Thomas        | Hindcast-based estimates of recent climate trends  |
| 11:15                      | <b>PROCESSES 1</b>  | Scott Osprey          | Charting a New Course of Earth Exploration - the Changing-Atmosphere Infra-Red Tomography Explorer (CAIRT)   |
| 11:30                      |   | Ayesha Hussain        | Modelling Elevated Carbon Dioxide Concentrations and Temperature Perturbations in a Boreal Peatland Forest   |
| 11:45                      |   | Joshua Talib          | The impact of anomalous soil moisture on jet characteristics – a focus on the East African Turkana jet   |
| 12:00                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 12:15                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 12:30                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 12:45                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 13:00                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 13:15                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 13:30                      | LUNCH (+ GROUP PHOTO)   |                       |  |
| 13:45                      | <b>PROCESSES 2</b>  | Manoj Joshi           | Evaluating the effect of the global electric circuit on the climatic response to El Niño sea surface temperature anomalies   |
| 14:00                      |   | Peter Berthelemy      | Results from a Climatology of Large-Scale Atmospheric Gravity Waves in AIRS  |
| 14:15                      |   | Haruka Okui           | Roles of Gravity Waves in Preconditioning of a Stratospheric Sudden Warming  |
| 14:30                      |   | Emily Lear            | The diurnal cycle of gravity waves in GNSS-RO data   |
| 14:45                      |   | George Datservis      | Stratocumulus to cumulus transitions in an energy balance model  |
| 15:00                      | BREAK   |                       |  |
| 15:15                      | BREAK   |                       |  |
| 15:30                      | <b>OCEANS AND COUPLING</b>  | Andrew Styles         | Spatial and Temporal Patterns of Southern Ocean Ventilation  |
| 15:45                      |   | Balaji Senapati       | Crucial Role of Mixed-Layer in Tropical Atlantic Multidecadal Variability  |
| 16:00                      |   | Benjamin Harvey       | Evidence of a Recent Decrease in Wintertime Nordic Seas Storminess   |
| 16:15                      |   | Daniel Skinner        | South Pacific hydroclimate response to multi-decadal modes of variability in the IGCM4 climate model   |
| 16:30                      |   | Jamie Mathews         | Chaos, Coupling and Climate: The Oceanic Pathway to Atmospheric Blocking   |
| 16:45                      | Chaos, Coupling and Climate: The Oceanic Pathway to Atmospheric Blocking          |                       |  |
| 17:00                      | Chaos, Coupling and Climate: The Oceanic Pathway to Atmospheric Blocking          |                       |  |
| <b>WEDNESDAY 19th June</b> |   |                       |  |
| 09:00                      | <b>THE TROPICS</b>  | Alison Ming           | Temperature and ozone phases in the QBO  |
| 09:15                      |   | Mengyan Chen          | Distinct Onset mechanisms of Two Subtypes of CP El Niño and Their Changes in Future Warming  |
| 09:30                      |   | Amee Gollop           | Enhancing Andes Orography Alone Fails to Capture the Equatorial Pacific's Response to Elevated Carbon Dioxide Levels in a General Circulation Model                  |
| 09:45                      |   | Ruth Geen             | Exploring the role of evaporation in atmospheric heat transport and seasonal low-latitude precipitation biases in CMIP6  |
| 10:00                      | BREAK   |                       |  |
| 10:15                      | BREAK   |                       |  |
| 10:30                      | <b>THE EXTRATROPICS</b>   | Ryan Williams         | Did a strong polar vortex favour clustering of intense extratropical cyclones across the UK and Northern Europe during February 2022?                                |
| 10:45                      |   | Corwin Wright         | Quantifying the impact of climate processes on trans-Atlantic flight times in observed IAGOS data  |
| 11:00                      |   | Doug Smith            | Mitigation needed to avoid unprecedented North Atlantic winters  |
| 11:15                      |   | Henrik Auestad        | On the relationship between latent heating and jet stream  |
| 11:30                      |   | Jeff Knight           | Influences on North Atlantic summer climate from the El Niño-Southern Oscillation  |
| 11:45                      |   | Amanda Maycock        | Consistent decrease in North Atlantic eddy-driven jet variability under strong greenhouse gas forcing  |
| 12:00                      | CLOSEING REMARKS AND WORKSHOP CLOSE   |                       |  |
| 12:15                      | CLOSEING REMARKS AND WORKSHOP CLOSE   |                       |  |
| 12:30                      | CLOSEING REMARKS AND WORKSHOP CLOSE   |                       |  |