Fourth Annual Composition-Climate Meeting
Met Office, Exeter, 3-4 April 2014, Conference Room 1
Posters

Abraham, Luke: UM-UKCA Projections for the Chemistry-Climate Model Initiative using an extended Stratospheric Chemistry scheme

Baker, Laura: Climate responses to perturbations of short-lived climate forcers

Banerjee, Antara: Modelling future changes in climate, ozone-depleting substances and ozone precursor emissions using the whole-atmosphere UM-UKCA model

Banerjee, Antara: Lightning NOx, a key chemistry-climate interaction: impacts of future climate change and consequences for tropospheric oxidising capacity

Bellouin, Nicolas: Normalised radiative forcing by aerosol, methane, and ozone precursor emissions

Bowdalo, Dene: Novel use of Spectral Analysis for Atmospheric Chemistry

Browse, Jo: Modelling Ice Nuclei (IN) populations: Have anthropogenic emissions changed global IN distribution?

Cain, Michelle: Quantifying methane emissions sources in the Arctic using measurements and dispersion modelling

Centoni, Federico: Ozone Dry Deposition in UKCA

Dhomse, Sandip: Understanding the 11-year Solar Cycle Signal in Stratospheric Ozone using a 3D CTM

Dhomse, Sandip: Aerosol microphysics simulations of the Mt. Pinatubo eruption with the UKCA composition-climate model

Dudhia, Anu: The Reference Forward Model

Finney, Declan: Lightning NOx in UKCA

Fleming, Zoe: Trace gas trends and links to variations in source regions

Frey, Markus: On the significance of blowing snow above sea ice as a source of polar sea salt aerosol

Griffiths, Paul: Halogen chemistry in UKCA

Grosvenor, Daniel: Modelling aerosol-cloud-dynamics interactions at a range of scales: moving beyond local scale studies.

Gryspeerdt, Edward: Aerosol and the development of precipitation from cloud regimes

Hamilton, Douglas: Where on Earth can we observe pristine aerosol?

Hardiman, Steven: The Chemistry-Climate Modelling Initiative: Evaluation and preliminary projections from HadGEM3-ES simulations

Hitchcock, Peter: The deterministic tropospheric response to a zonally-symetrically induced stratospheric sudden warming

Hodgson, Amy: Modelling aerosol-cloud-climate interactions using the Met Office Unified Model

Kasoar, Matthew: Influence of regional aerosol emissions on climate extremes

Keeble, James: The Impact of Polar Stratospheric Ozone Loss on Southern Hemisphere Stratospheric Circulation and Climate

Kipling, Zak: Using the Convective Cloud Field Model (CCFM) to investigate aerosol–convection interactions in ECHAM6–HAM

Köhler, Marcus: Exploring the role of tropical cirrus on chemistry and transport

Liu, Yu: Idealised tracers as diagnostics of troposphere-to-stratosphere transport in the UM

Miles, Georgina: Improved Ozone and Methane Profile Satellite Products from MetOp

Mulcahy, Jane: Developing an improved representation of aerosols for UKESM

Nowack, Peer Johannes: Modelled impacts of solar geoengineering on the atmosphere: Do feedbacks between composition and meteorology matter?

Orr, Andrew: Modelling of gravity wave induced temperature fluctuations over the Antarctic Peninsula

Osprey, Scott: Climate impacts following the injection of aerosol into the tropical stratosphere

Pacifico, Federica: Biomass burning-related ozone damage on vegetation over the Amazon forest.

Partridge, Daniel: Cloud Droplet Activation Parameterisations: Importance for aerosol indirect estimates in two GCMs

Pope, Richard: Improving UK Air Quality Modelling Through Exploitation of Satellite Observations

Reddington, Carly: Evaluation of modelled biomass burning aerosol over Amazonia

Roscoe, Howard: Particles and iodine compounds in Antarctica

Rumbold, Steve: Ammonium Nitrate in HadGEM3 UKCA-GLOMAP for UKESM1 Early Progress and Results

Scott, Catherine: How well can we simulate variations in atmospheric composition due to changing emissions and climate?

Shi, Zongbo: Aerosol-derived nutrient inputs to ecosystems and their climatic impact

Sofen, Eric: Compilation of global surface ozone observations for ESM trend evaluation

Taylor, Sarah: Quantifying the temporal variability of convective cloud using SEVIRI data

Turnock, Steven: Evaluating Aerosol Trends from 1960 to 2010 using HadGEM3-UKCA and EMEP Data

Warwick, Nicola: Constraining the global methane budget using methane isotopologues

Wild, Oliver: Changing Ozone at Europe's Borders: Present and Future Impacts of Long-range Transport on European Air Quality