

UKCA Science Meeting - 17th July 2025

Department of Meteorology, University of Reading

12 min talks + 3 min Q&A

9:00 – 9:40	Arrival (1L61) Tea and Coffee, Posters
9:40 – 9:50	Welcome (Sutcliffe Lecture Theatre, GU01) James Weber
9:50 – 11:20	Science Talks (Sutcliffe Lecture Theatre, GU01) <u>Yao Ge</u> <i>Advancements in Marine Sulfur Chemistry: Model Updates and Evaluation with Field Observations</i> <u>Ryan Hossaini</u> <i>Halogen Chemistry in UKCA</i> <u>James Keeble & Sandip Dhomse</u> <i>Evaluation of stratospheric trace gases</i> <u>Fiona O'Connor</u> <i>Methane and O₃ Radiative Forcing in UKCA</i> <u>James Weber & Maria Russo</u> <i>Using the VISION interpolation software</i> <u>Richard Pope</u> <i>Evaluating UKCA with Satellite Observations</i>
11:20 – 11:40	Break (1L61) Tea and Coffee, Posters
11:40 – 13:00	Science Talks (Sutcliffe Lecture Theatre, GU01) <u>Cameron McErlich</u> <i>Adding Microplastics to UKESM</i> <u>Dan Grosvenor</u> <i>Evaluating aerosols in the prototype UK Earth System Modelv2 (UKESM2)</i> <u>Anthony Jones</u> <i>UKCA-mode: developing a flexible aerosol scheme for weather and climate</i> <u>Léa Prévost</u> <i>Identifying structural errors in aerosol schemes to improve consistency with observations</i> <u>Xu-Cheng He</u> <i>Marine Aerosol Evaluation in UKCA</i>
13:00 – 13:40	Lunch (1L61) Posters
13:40 – 14:05	Lodging Code to the Trunk (Sutcliffe Lecture Theatre, GU01) Luke Abraham
14:05 – 14:50	Science Talks (Sutcliffe Lecture Theatre, GU01) <u>Ruth Doherty</u> <i>From continental to street scales: How climate change impacts atmospheric composition over Europe</i> <u>Charlie Wartnaby</u> <i>The latest emissions for UKCA</i> <u>Hamish Gordon</u> <i>NUMAC (Nested UM with Aerosols and Chemistry)</i>
14:50 – 15:05	Break (1L61) Tea and Coffee, Posters
15:05 – 15:20	Summary of ongoing and planned development work Open to all
15:15 – 16:15	Open discussion: Future priorities for UKCA model development Chairs: Paul Griffiths and James Weber
16:15 – 16:30	Summary Yao Ge, Charlie Wartnaby, James Weber
16:30	Close All welcome to come to SCR

Posters

Steven Turnock

Maisie Wright

Emma Sands

May Chim

Laura Stecher

Paul Griffiths

Wuhu Feng

Xin Zhou

Isabel Smith

Isabelle Sangha

Vichawan Sakulsupich

Megan Brown

Shujie Chang