

IGAC/SPARC Chemistry-Climate Model Initiative (CCMI) 2019 Science Workshop

Dates:	7-9 August 2019
Venue:	Chinese University of Hong Kong (CUHK), Hong Kong
Theme:	Process-oriented evaluation and analysis of CCMI-1 & AerChemMIP simulations
Highlights:	Discussions on the science questions and policy needs, simulations and outputs for CCMI phase 2 Before the workshop, 4-6 August 2019 , CCMI will be holding a summer school titled <i>Earth system modelling and observations to study Earth in a changing climate</i> .



Scope: The workshop will focus on process-oriented evaluation and analysis of the **CCMI-1 & AerChemMIP** troposphere-stratosphere resolving chemistry-climate model (CCM) simulations using new observations and diagnostics. It will also provide a platform for discussions on model development and common issues experienced with CCMI-1 & AerChemMIP simulations. Looking to the future, time will be devoted to discussing plans for CCMI contributions to the next **IPCC AR6** (2020) and the shape of CCMI phase 2 and how we can contribute to **TOAR II** (the Tropospheric Ozone Assessment Report extension) and the next **WMO/UNEP** ozone assessment report (2022).

Workshop goals: The goal of the workshop is to bring together modelling groups, experimentalists, and scientists who analyze the **CCMI-1 & AerChemMIP** data and to provide a platform for discussion of the most recent progress within CCMI. Topics of the workshop include:

- Emission-dependent projections of air quality and impacts on climate (and vice-versa)
- Drivers of past and future changes in the ozone layer and impacts on surface climate
- Earth system feedbacks to changes in atmospheric composition, climate and the biosphere
- Dynamics and chemistry of the Asian monsoon
- Process-oriented evaluation of models including chemistry, dynamics, radiation, transport and surface processes
- New observations and approaches for improved model evaluation
- Model improvement, model development, and issues with CCMI-1 & AerChemMIP simulations

Workshop Format: The meeting will include invited and contributed oral presentations, poster sessions, and breakout-groups focusing on relevant workshop topics.

Deadlines: Abstracts and travel requests **15 April 2019** / Early bird registration **15 June 2019**

More information: <http://www.met.reading.ac.uk/ccmi/>

Scientific Organizing Committee: Michaela Hegglin (U Reading), Tatsuya Nagashima (NIES), David Plummer (ECCC), Amos Tai (CUHK), and the CCMI Scientific Steering Committee.

Local Organizing Committee: Amos Tai (CUHK).

The workshop is held under the auspices of WCRP (World Climate Research Programme) SPARC (Stratosphere-troposphere Processes and their Role in Climate) and Future Earth's IGAC (International Global Atmospheric Chemistry).