

WCRP

Grand Challenge Workshop: Clouds, Circulation and Climate Sensitivity



Name	Institution	Region	Title
Abbot, Dorian	U Chicago	America	Convective self-aggregation in a cloud resolving model at very low temperature.
Bauer, Peter	ECMWF	Europe	Model error assessment methods in NWP.
Biasutti, Michela	Columbia	America	Changes in the seasonality of tropical rainfall under global warming: lessons from idealized simulations.
Bony, Sandrine	LMD	Europe	Some open issues about the role of cloud radiative effects.
Del Genio, Anthony	GISS	America	What do we need to know about convection?
Douville, Hervé	CNRM	Europe	Bridging the gap between CMIP and CFMIP experimental strategies.
Emanuel, Kerry	MIT	America	Radiative-Convective Instability.
Dufresne, Jean Luis	LMD	Europe	Some aspects of cloud heterogeneity.
Frierson, Dargan	UWashington	America	Remote cloud influences on the double ITCZ problem.
Hargreaves, Julia	JAMSTEC	Asia	The power of paleo; identifying climate model biases?
Harrison, Sandy	Reading	Europe	Reconstructing palaeoclouds: potential ways forward.
Held, Isaac	GFDL	America	Non-stationary relationship between tropical TOA fluxes and surface temperatures in a model.
Hoskins, Brian	Imperial	Europe	Potential vorticity perspectives on (a) the output from parametrisations and (b) the Hadley Cell.
Hohenegger, Cathy	MPI	Europe	What determines the coupling strength between convection and the land surface?
Jakob, Christian	Monash	Oceania	The future of cumulus parametrization - no deadlocks in sight!
Kageyama, Masa	LSCE IPSL	Europe	Methodologies, targets and analyses in the context of the grand challenge on Clouds and circulation.
Kang, Sarah	UNIST	Asia	Dependence of climate response on meridional structure of thermal forcing.
Kawai, Hideaki	MRI	Asia	Importance of minor treatments in parameterizations in GCMs for the cloud representations and the cloud feedbacks.
Klein, Stephen A.	LLNL	America	Emergent constraints and cloud trends.
Loeb, Norm	NASA	America	Observing Clouds and Earth's Radiation Budget from CERES: Recent Progress.
Mapes, Brian	U Miami	America	Anomaly physics to isolate moisture coupling and its rectified climate signatures.
Mauritsen, Thorsten	MPI	Europe	What if the Earth had an adaptive infrared iris?
Miller, Martin	ECMWF	Europe	Clouds and the global circulation: a model developers experience.
Muller, Caroline	École Polytechnique	Europe	Organization of convection in the tropical atmosphere, and implication for the large scales.
Pincus, Robert	NOAA	America	Seeking consistent estimates of Earth's energy budget.
Prentice, Colin	Imperial College	Europe	Representation of carbon-water cycle coupling through land plants.
Qiang, Fu	UWashington	America	Tropical cirrus.
Risi, Camille	LMD	Europe	How can we make use of water isotopic observations to better evaluate the representation of moist processes in climate models.
Satoh, Masaki	U Tokyo	Asia	Global nonhydrostatic model simulations with single and double momentum cloud microphysics schemes and evaluation using satellite simulators.
Schumacher, Courtney	Texas A&M	America	Low level heating in the tropics.
Shepherd, Ted	Reading	Europe	How predictable is the atmospheric circulation response to climate change.
Sherwood, Steven	UNSW	Oceania	Seeking systematic model failure.
Siebesma, Pier	KNMI	Europe	How large domain LES can inform cloud-circulation interactions in GCMs.
Sobel, Adam	Columbia	America	MJO mechanism denial experiments.
Stevens, Bjorn	MPI	Europe	Stratocumulus, the root of unrealistic cloud feedbacks.
Watanabe, Masahiro	U Tokyo	Asia	How can we identify, attribute, and effectively use climate model biases?
Webb, Mark	Met Office	Europe	De-Evolving Climate Models.
Wielicki, Bruce	NASA	America	Climate observing systems.
White Michael	Nature	America	How Nature can help support the Grand Challenge.
Yoshimori, Masakazu	U Tokyo	Asia	An overall perspective on constraining uncertainty in climate sensitivity from the last glacial maximum.
Zuidema, Paquita	U Miami	America	The Southeast Atlantic and its place within the global circulation - Inferences from observations.
Becker Tobias	MPI	Europe	Support
Coppin, David	LMD	Europe	Support
Gruber Angela	MPI	Europe	Support
Rixen Michael	WCRP	Europe	Support