

Workshop on Spatial Organisation of Convection, Clouds and Precipitation

Thursday, 6 May 2021

RCE and Processes in Deep Convective Organization: Introduction (15:00 - 15:15)

RCE and Processes in Deep Convective Organization: Guiding questions (15:15 - 15:30)

-Conveners: Caroline Muller; Adrian Tompkins; Allison Wing

RCE and Processes in Deep Convective Organization: Poster Pitches (15:30 - 16:00)

RCE and Processes in Deep Convective Organization: Interactive Session (16:00 - 17:45)

time	[id] title	presenter
16:00	[12] Influence of large-scale subsidence on convective aggregation	COPPIN, David
16:00	[25] Radiative-convective-equilibrium as a "boutique" configuration of the Simple-Cloud-Resolving-E3SM-Atmosphere-Model (SCREAM)	BEYDOUN, Hassan
16:00	[18] Searching for signatures of self-aggregation in less idealized atmospheres	HOHENEGGER, Cathy
16:00	[15] Self-Aggregation of Convection in the RCEMIP Ensemble	WING, Allison
16:00	[74] Convective aggregation in idealized stochastic models	BIAGIOLI, Giovanni
16:00	[82] Impact of a mixed ocean layer and the diurnal cycle on convective aggregation	TOMPKINS, Adrian
16:00	[55] How do ocean temperature anomalies favor or disfavor the aggregation of deep convective clouds?	MULLER, caroline
16:00	[84] Cold pool dynamics shape the response of extreme rainfall events to climate change	LOCHBIHLER, Kai
16:00	[83] Significant amplification of instantaneous extreme precipitation with convective self-aggregation	DA SILVA, Nicolas
16:00	[59] Impact of microphysics on tropical precipitation extremes in a global storm-resolving model	BAO, Jiawei
16:00	[71] Radiative controls on the speed of growth of deep convective self-aggregation	FILDIER, Benjamin
16:00	[56] How weakened cold pools facilitate convective self-aggregation	Mr NISSEN, Silas Boye
16:00	[9] Cloud-radiation interactions in RCEMIP runs of convective self-aggregation	HOLLOWAY, Christopher
16:00	[69] Merge or die - how long-lived convective events develop in cold pool-suppressed self-aggregation	Ms GRONEMEYER, Ronja
16:00	[17] Transition to self-aggregation with enhanced variability for increasing CO ₂ concentration in radiative-convective equilibrium with a slab ocean	DROTOS, Gabor
16:00	[50] Predicting cold pool strength as a function of rain duration and intensity	MEYER, Bettina

16:00	[49] Surface moisture exchange and its influence of self-aggregation in RCEMIP simulations.	VAN HEERWAARDEN, Chiel
16:00	[48] Competition between shear-organized and unorganized convection in large-domain CRM simulations	MAPES, Brian

RCE and Processes in Deep Convective Organization: Panel Discussion (17:45 - 18:30)

-Conveners: **Caroline Muller; Adrian Tompkins; Allison Wing**