20th (and last) CMMAP Team Meeting
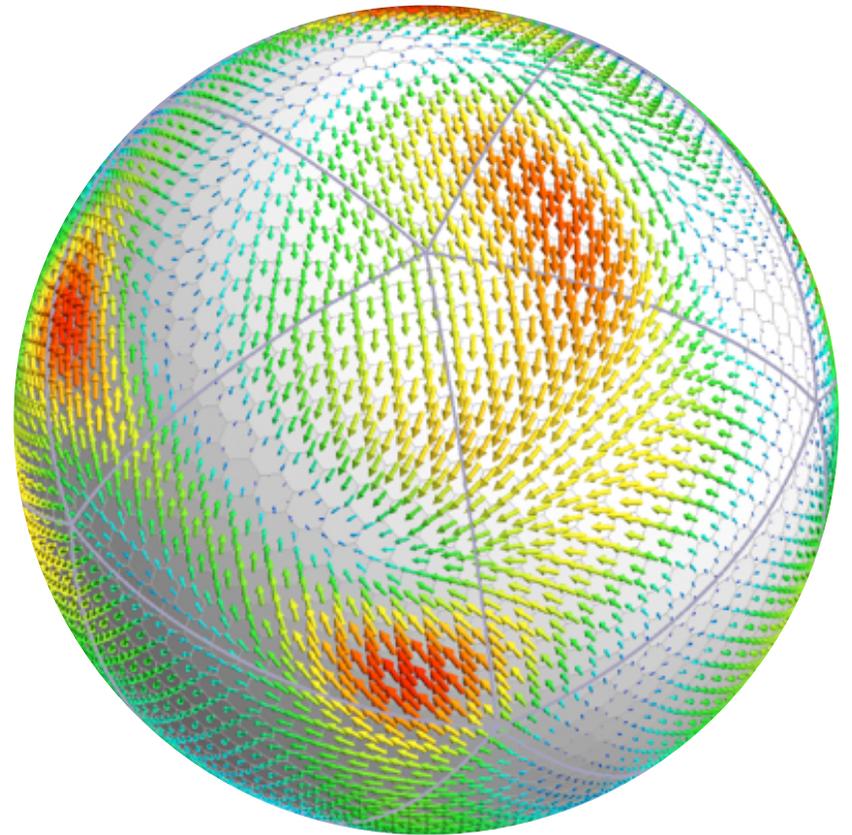
January 5 - 7, 2016

ESMEI

(Earth System Modeling and Education Institute)

To ensure that CMMAP will lead to a sustainable and identifiable research and education enterprise at Colorado State University (CSU), CSU has created an *Earth System Modeling and Education Institute (ESMEI)*, as CMMAP's institutional legacy.

Introductions

Juliana Dias, CIRES

Andrew Gettelman, NCAR

Rebecca Hacker, UCAR/SOARS

George Kiladis, NOAA/ESRL

Ji-Eun Kim, CIRES

Peter Lauritzen, NCAR

Hiroaki Miura, University of Tokyo

Hossein Parishani, UC Irvine

John Peters, CSU

Masaki Satoh, University of Tokyo

Jian Sun, UC Irvine

Stefan Tulich, CIRES

Da Yang, UC Berkeley

20th CMMAP Team Meeting
January 5-7, 2016 — Boulder, Colorado

Tuesday, January 5, 2016		
*We will be in the **Columbine Room** for all meeting sessions (no breakout room).*		
8:30 - 8:45a	David Randall	Opening remarks, agenda, and updates
8:45 - 9:30a	Masaki Satoh	Changes in convective mass flux and tropical cyclone frequency due to global warming simulated by NICAM
9:30 - 10:15a	Chris Bretherton	The development of double-ITCZ biases in coupled hindcasts with SP-CESM and CESM
10:15 - 10:30a		*Break*
10:30 - 11:15a	Wayne Schubert	The Tropical Atmospheric Boundary Layer
11:15a - Noon	Juliana Dias	Does the MJO influence the space-time organization of tropical convection?
Noon		*Lunch on your own*
1:30 - 2:00p	Rebecca Haacker	SOARS — 20 years of the atmospheric science community working to increase diversity
2:00 - 2:45p	David Randall	Eddy energy fluxes in isentropic coordinates
2:45 - 3:00p		*Break*
3:00 - 4:30p	Charlotte DeMott & Chris Bretherton	Coupled Models, Clouds & Climate Session
Break before Dinner		
6:00 - 8:00	**Team Dinner at The Mediterranean Restaurant — 1002 Walnut Street Boulder**	

20th CMMAP Team Meeting

January 5-7, 2016 — Boulder, Colorado

		Wednesday, January 6, 2016
8:30 - 10:00a	Scott Denning	Multiscale Land Surface Session
10:00 - 10:15a		*Break*
10:15 - 11:00a	John Peters	Computing CAPE based on relative buoyancy
11:00 - 11:45a	Hiroaki Miura	Equatorial asymmetry of a CINDY/DYNAMO MJO event and influence of the seasonal change
11:45a - 1:15p		*Lunch on your own*
1:15 - 2:45p	Hugh Morrison and Chin-Hoh Moeng	Physical Processes Session
2:45 - 3:00p		*Break*
3:00 - 3:45p	Stefan Tulich	Some surprising effects of inhibiting convection coupling to divergent motions in a superparameterized version of the WRF model
3:45 - 4:30p	Ian Glenn	Merging Cumulus Updrafts
		Meeting Ends for the Day
6:00		Dinner on your own and EC dinner

20th CMMAP Team Meeting
January 5-7, 2016 — Boulder, Colorado

		Thursday, January 7, 2016
8:30 - 9:15a	Peter Lauritzen	Separating physics, dynamics and tracer grids in CAM-SE (Community Atmosphere model - Spectral Elements)
9:15 - 10:45a	David Randall	Dynamical Frameworks Session
10:45 - 11:00a		*Break*
11:00 - 11:30a	Takanobu Yamaguchi	Implementation of Chin-Hoh's mixed SGS model and 5th-order WENO-Z momentum advection scheme into SAM
11:30 - 11:45p	David Randall	Closing remarks
		Meeting Adjourns

Masaki Satoh

Changes in convective mass flux and tropical cyclone frequency due to global warming simulated by NICAM