

CESM Ocean Model Working Group Meeting
22 – 23 January 2013
Mesa Lab, Main Seminar Room
National Center for Atmospheric Research – Boulder, Colorado

Tuesday, 22 January

UPDATES

08:30	CESM update	Marika Holland
08:45	Atmospheric model developments	Joe Tribbia
09:00	POP developments	Mathew Maltrud
09:30	Topographic control of Gulf Stream	Susan Bates
09:50	Estuary-shelf freshwater exchange parameterization	Yu-heng Tseng

REGIONAL AND HIGH RESOLUTION MODELING

10:40	Progress on nRCM	Justin Small
11:00	High resolution, fully-coupled simulations with T341 atmosphere and 0.1° POP/CICE	Milena Veneziani
11:15	T85 and T341 fully coupled CESM simulations : Climatology comparisons and Present-day transient initialization strategy	Julie McClean
11:30	High resolution simulations at NCAR	Frank Bryan
11:50	AMOC in CORE-II simulations	Gokhan Danabasoglu
12:10	Evaluation of oceanic and sea ice Arctic – Subarctic exchanges in CCSM3, CCSM4, RASM, and other models	Wieslaw Maslowski

MPAS-O DEVELOPMENTS

13:30	Status of MPAS-O	Mark Petersen
14:00	Plans for MPAS-O in 2013	Doug Jacobsen Todd Ringler

BIOGEOCHEMISTRY

14:30	Update on BGCWG Activities	Keith Lindsay
14:50	Automated diagnostics of CESM ocean biogeochemistry	Ernesto Munoz
15:05	Physical-biogeochemical interactions in the CESM	Keith Moore
15:50	Surface iron budget change in a RCP8.5 simulation	Kazuhiro Misumi
16:10	Carbon isotopes in the ocean model of the CESM	Alex Jahn

Wednesday, 23 January

08:30	Agulhas Leakage in CCSM4	Wilbert Weijer
08:50	UQ study of parameter sensitivity in POP	Detelina Ivanova
09:10	Further consideration of GM under testbed-based parameter estimation	Matthew Hecht

OCEAN MIXING

09:30	Climate impacts of sea-ice heterogeneity (CPT)	Nancy Norton
09:50	A sensitivity study of ocean mixing under sea-ice using a 2-column ocean grid in coupled POP-CICE	Meibing Jin
10:10	CVMix: A modular vertical mixing framework	Stephen Griffies
11:00	1-D KPP	Alec Bogdanoff
11:15	Topographic wave drag	David Trossman
11:35	WaveWatch and Langmuir mixing	Adrean Webb
11:55	Energetically consistent mixing schemes	Carsten Eden
12:30	Adjourn	