

Sea Ice Modelling Workshop and CLEX SAM Cluster Workshop

February 19-21, 2019

IMAS, 20 Castray Esplanade

Sea Ice modelling workshop (Tuesday 19 February)

9.30-9.40	Petra Heil	Welcome and Introductions
9.40-10.00	Amelie Meyer	How well can CICE simulate sea ice physical and biogeochemical properties on weekly to monthly timescales? A perspective from the Arctic
10.00-10.20	Phil Reid	Antarctic sea-ice situation: Update to 2018
10.30-10.50	Morning Tea	
10.50-11.25	Andrew Kiss	Sea ice modelling with CICE in COSIMA's ACCESS-OM2 global models
11.40-12.30	Elizabeth Hunke	Update on CICE and the CICE Consortium
12.30-13.00	Discussion	
13.00-14.00	Lunch	
14.00-14.25	Petra Heil	Observations for models, data from models
14.25-15.00	Paul Sandery	Coupled ocean-atmosphere-sea ice data assimilation
15.00-15.15	Will Hobbs	Constraints on sea ice response in CMIP models
15.15-15.30	Discussion	
15.30-16.00	Afternoon Tea	
16.00-16.10	Alberto Alberello	Wave-ice interaction
16.10-16.20	Hakase Hayashida	Plans for implementation of sea ice-ocean coupled biogeochemistry into ACCESS-OM2
16.20-16.30	Chris Chapman	Buoyancy Forced Variability of the Weddell Gyre Driven by Sea-Ice Ocean Interaction
16.30-16.40	Siobhan OFarrell	Coupled ocean-ice-atmosphere modelling [To be confirmed]
16.15-17.15	Issues and Future projects, Workshop wrap-up	

CLEX SAM Cluster Workshop (Wednesday February 20)

9.20 - 9.30	Julie Arblaster	Welcome and introductions
	Joint SAM/sea ice session	
9.30 - 9.50	Guomin Wang	Circulation Forcing of the Record Low Antarctic Sea-Ice in 2016 and Its Seasonal Prediction
9.50-10.05	Jerry Meehl	Sustained ocean changes contributed to sudden Antarctic sea ice retreat in late 2016
10.05-10.20	Ariaan Purich	Tropical teleconnections to Antarctic sea ice during austral spring 2016 in coupled pacemaker experiments
10.20-10.45	Discussion on the current sea ice situation	
10.45-11.15	Morning Tea	
11.15-11.35	Harry Hendon	Atmospheric dynamics associated with the SAM and its trends
11.35-11.55	Matt England	Signature of the SAM on ocean and sea-ice variability
11.55-12.15	Julie Arblaster	SAM impacts on regional climate
12.15-12.35	Nerilie Abram	Reconstructing SAM variations
12.35-13.45	Lunch (provided)	
13.45-14.05	Michael Reeder	SAM: Coupling the mid and high latitudes
14.05-14.25	Andrew Marshall	Southern Annular Mode impacts on global ocean surface waves
14.25-14.45	Pete Strutton	The response of Southern Ocean productivity to the Southern Annular Mode and ENSO
14.45-15.05	Eunpa Lim	Response of SAM to El Nino on warmer mean sea surface temperatures
15.05-15.25	Ghyslaine Boschat	Relative role of SAM and ZW3 for climate extremes in the Southern Hemisphere
15.30-16.00	Afternoon Tea	
16.00-16.20	David Fuchs	Tracing the spread of SH eddy-driven jet positions in CMIP5/AMIP to its roots
16.20-16.40	Krystyna Saunders/Kathryn Allen	New tree-ring records for inclusion in palaeomodelling of past extremes in SAM, Reconstructing westerly wind variability using sub-Antarctic lake sediments
16.40-17.00	Nicky Wright	Did solar forcing influence the Southern Annular Mode over the Last Millennium?
17.00-17.05	Eunpa Lim	Lightning talk: Stratospheric influence on the SAM
17.05-17.10	Giovanni Liguori	Lightning talk: The Role of Meridional Modes in ENSO and Pacific Decadal Variability
End of day 1	Drinks at Preachers for those interested, dinner on your own	

Each speaker to include a slide at the end of their presentation on what the key outstanding questions are for their research area and how being part of CLEX could enable those to be answered

CLEX SAM Cluster Workshop (Thursday February 21)

PhD Session		
8.45 - 9.05	Dongxia (Dawn) Yang	What Drives Decadal Shifts of the Eddy-driven Jet?
9.05 - 9.25	Rishav Goyal	Effect of anthropogenic forcing on Southern Annular Mode and Wave number 3 in a warming world
9.25 - 9.45	Zoe Gillett	Tropical and extratropical influences on austral winter subtropical jet variability
Discussion session 1 & 2		
9.45 - 10.15	Amelie/Navid/Ariaan	Atmosphere/ocean/ice interactions
10.15-10.45	Ghyslaine/Giovanni	Scale interactions and extremes
10.45-11.15	Morning Tea	
Discussion session 3 & 4		
11.15-11.45	Nicky/Eunpa	“SAM” changes over time
11.45-12.15	Navid/Matt	Atmospheric forcing for ocean/sea-ice models
12.15-13.15	Lunch (provided)	
13.15-15.00	CLEX planning for the next 1-3 years	
15.00	Workshop close	