

COSIMA 2023 program		Workshop webpage: https://cosima.org.au/index.php/meetings/cosima2023/	
last update: 31 August			
DAY 1 - Thu 7 Sept			
8:30	- 9:00	Registration and coffee	
9:00	- 10:30	Session 1 (chair: Claire Yung)	
9:00	- 9:15	COSIMA leads	Welcome, housekeeping, intro, acknowledgment of country
9:15	- 10:00	Bob Hallberg: invited keynote	MOM6 Ocean Model Developments for NOAA/GFDL's OM5 Global Ocean Model
10:00	- 10:15	Wilton Aguiar	Ocean heat transport towards Antarctica in high resolution simulations
10:15	- 10:30	Christina Schmidt	Antarctic Bottom Water formation and export in PanAntarctic-MOM6: effect of horizontal resolution
10:30	- 11:10	Tea and group photo	
11:10	- 12:40	Session 2 (chair: Hannah Dawson)	
11:10	- 11:35	Clothilde Langlais: invited perspective	Towards a coordinated national coastal modelling and information system
11:35	- 11:55	lightning talks	
11:55	- 12:40	posters	
12:40	- 13:40	Lunch	
13:40	- 14:35	Session 3 (chair: Dhruv Bhagtani)	
13:40	- 14:05	Laurie Menviel: invited perspective	Ocean biogeochemistry within ACCESS
14:05	- 14:20	Ariaan Purich	The climate response to Antarctic meltwater in a multimodel ensemble
14:20	- 14:35	Gary Brassington	Progress in global ocean forecasting
14:35	- 15:05	Tea	
15:05	- 16:00	Session 4 (chair: Noah Day)	
15:05	- 15:30	Alex Babanin: invited perspective	Wave-Coupled Effects and Processes in the Large-Scale Ocean System, WW3/MOM5-MOM6 Experience
15:30	- 15:45	Petra Heil	The 2023 collapse of Antarctic sea ice
15:45	- 16:00	Anton Steketeer	Measuring sea-ice extremes across multiple observational and modelled metrics
16:00	- 18:00	Social activity	
18:00	- 19:00	free time	
19:00	- 22:00	Workshop dinner: Bistro Nguyen's, 1/80 Alinga Street	
DAY 2 - Fri 8 Sept			
8:30	- 9:00	Registration and coffee	
9:00	- 10:50	Session 5 (chair: Polina Sholeninova)	
9:00	- 9:45	Sarah Gille: invited keynote	Upper-ocean exchanges in the Southern Ocean: Observational findings and implications for modelling
9:45	- 10:05	lightning talks	
10:05	- 10:50	posters	
10:50	- 11:20	Tea	
11:20	- 12:55	Session 6 (chair: Ashley Barnes)	
11:20	- 11:25	Regroup / distribute	
11:25	- 12:25	Discussion breakouts x5 + training	
12:25	- 12:55	Report back from discussion	
12:55	- 13:55	Lunch (take down posters)	
13:55	- 14:40	Session 7 (chair: John Reilly)	
13:55	- 14:10	Julia Neme	What can a barotropic vorticity budget tell us about gyre variability?
14:10	- 14:25	Yinghuan Xie	Residence time of seawater from the lower overturning circulation cell in the surface ocean
14:25	- 14:40	Xihan Zhang	Local momentum balance of the Macquarie meander region
14:40	- 15:10	Tea	
15:10	- 15:40	Session 8 (chair: Yuhang Liu)	
15:10	- 15:25	Darryn Waugh	Impact of recent westerly wind trends on Southern Ocean circulation and tracers
15:25	- 15:40	Zhi Li	Recent acceleration in global ocean heat accumulation by mode and intermediate waters
15:40	- 16:00	Close and award presentation	
Posters: put these up on Thursday morning; remove lunchtime Friday			
Posters with lightning talks on Thursday			
		Alexandra Gossart	P-SKRIPS, the air-ocean-sea ice numerical model for the Ross Sea
		Andrew Kiss	ACCESS-OM3 update
		Annie Foppert	Properties and pathways of Antarctic Bottom Water from five years of Deep Argo in the Australian-Antarctic Basin
		Ashley Barnes	Topographically generated internal waves as a response to surface forcing
		Callum Shakespeare	Internal waves accelerate ocean mesoscale eddies
		Chengyuan Pang	Rates of the water-mass transformation within the Indonesian Seas
		Chris Chapman, John Reilly, Ashley Barn	Recent advances in regional oceanographic modelling with MOM6

		Claire Yung	Parameterising ice shelf melt in MOM6			
		Hangyu Meng	The dynamics of ocean circulation in the Australian-Antarctic Basin.			
		Noah Day	Exploring seasonal changes in the Antarctic marginal ice zone with CICE6			
		Pat Wongpan	Spatial and temporal variability of primary production by algae in Antarctic sea ice during the satellite era			
		Will Hobbs	Ice cold (re)analysis - how do ERA5 and JRA55 in the frozen Southern Ocean?			
		Yuhang Liu	CDW pathway in Denman region			
		Posters with lightning talks on Friday				
		Dhruv Bhagtani	The interplay between wind stress and surface buoyancy forcing in steering the large-scale ocean circulation			
		Edward Doddridge	Physical and biological impacts of sea ice extremes			
		Fabio Boeira Dias	Heat transport towards Antarctica ice shelf cavities			
		Gabriel Pontes	Simulating Greenland meltwater forcing with ACCESS models			
		Himadri Saini	Impact of AMOC shutdown on Australian hydro climate under PI and LIG boundary conditions.			
		Kaihe Yamazaki	Monthly climatology of Southern Ocean under sea ice			
		Matt Chamberlain	Updates to the Bluelink ReANalysis			
		Maurice Huguenin	The impact of recent changes in the Interdecadal Pacific Oscillation on the Antarctic margin.			
		Ole Rieke	Drivers of interannual variability of basal melt rates in the Amundsen Sea			
		Paul Spence	Observing dense shelf water formation from outer space			
		Polina Sholeninova	Pathways and variability of Antarctic Bottom Water in the Australian-Antarctic Basin			
		Stewart Allen	Sea-ice forecast skill in the OceanMAPS v4 2nd Demonstration Project.			
		Wilma Huneke	Why does ACCESS-OM2-01 create realistic Dense Shelf Water?			