



# ICSHMO 2025 Conference Programme

(Version: 13-02-2025 and subject to change)

Monday, 31 March 2025

Day 1

Monday, 31 March 2025				
Day 1				
8:30am - 10:00am	Registration			
9:00am - 10:00am	Early Career Research Meet and Greet			
10.00am – 10.30am	<b>Opening Ceremony - Plenary Room</b> Minister DSTI or other High-level Official MC: Warren Joubert			
10.30am – 11.30am	<b>Keynote:</b> Patricia Nying'uro (30 mins) <b>Invited:</b> René Garreaud (20 mins) Q&A (10mins)	<b>High-level Ocean20 Launch (Room 4)</b>  <b>Tea Break: 11:30am-12:00am</b>		
11.30am – 12.00pm	Tea Break			
12:00 pm- 12:30pm	<b>Combined Session - Plenary Room</b> <b>Chair: Tercio Ambrizzi</b> Andrea Taschetto - Introduction to the Monograph process (10 minutes) David Karoly - The evolution of meteorology, oceanography and climate science over the last 40+ (20 Minutes)			
Session 1	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
	<b>Session: Southern Hemisphere Boundary Currents</b> Laura Braby (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Weather and Climate Extremes</b> Chair: Hector Chikoore <i>Co-Chair (TBC)</i>	<b>Session: Polar</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>High-level Ocean20 Launch (Room 4)</b>
12.30pm – 12.50pm	Sheveenah Taukoor – Simulating the Agulhas Current on South Africa's Shelf: A Comparison of CROCO and HYCOM Models	Andries-Jan De Vries - Extreme weather in the Southern Hemisphere in early 2022	Wayne de Jager - Increased Rotational Coupling Between Antarctic Sea Ice and the Atmosphere Over the Last 30 Years	

12.50pm– 1.10pm	Tarron Lamont – Monitoring Western Boundary Current System variability with satellite altimetry	Akintunde Israel Makinde - Simulating the Influence of the Agulhas Current on Cut-Off Low-Induced Flooding in KwaZulu-Natal, South Africa	Paul Spence - On the relationship between the Weddell Polynya and Antarctic Bottom Water Trends	
1.10pm – 1.30pm	Nikita Qosholo - Fronts in the Ocean’s Surface Boundary Layer of the Cape Basin: The Role of Eddy Stirring	Tess Parker - The role of heavy rainfall in drought in Australia	Elio Campitelli - Atmospheric response to changes in Antarctic sea ice	
1.30 pm- 2.30pm	<b>Lunch break</b>			
<b>Session 2</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
		<b>Session: Southern Hemisphere Boundary Currents</b> Tamaryn Morris <i>Co-Chair (TBC)</i>	<b>Session: Polar Chair (TBC)</b> <i>Co-Chair (TBC)</i>	<b>Session: Weather and Climate Extremes Chair (TBC)</b> <i>Co-Chair (TBC)</i>
2.30pm – 2.50pm		Sebastiaan Swart - The oceans imprint on air sea fluxes: Drivers of turbulent heat flux over the Agulhas Current	Chun Yin Anthony Chan - Investigating the drivers of recent extreme Antarctic sea ice decline	Djoirka Minto Dimoune - Effect of stratospheric aerosol injection on marine heatwave events off the coast of South Africa
2.50pm – 3.10pm		Nasreen Burgher – Using Sea Surface Temperature observations to characterise eddy-driven variability inshore of the Agulhas Current	Riesna R. Audh - Rafting of Growing Antarctic Sea Ice Enhances In-Ice Biogeochemical Activity in Winter	Molulaqhoora Linda Maoyi- Links between the Botswana High and Drought Modes over Southern Africa
3.10pm – 3.30pm		Tamaryn Morris – Sustained ocean observations for the Agulhas Current: Realizing the Benefits of Ocean Knowledge through Co-Design	Robyn Verrinder - Antarctic MIZ observation platforms: Interdisciplinary approaches to resolve seasonal sea ice variability	Anna Bradley -Compound Drought-Heatwave Events and the Energy Sector in Brazil
3.30pm – 3.50pm		Tamaryn Morris (tbc) – Capturing a cyclonic eddy, and cross-shelf dynamics, in the Agulhas Bight during an early retroflection of the Agulhas Current	Magata Mangatane - Intercomparison of Antarctic sea-ice thickness estimates from satellite altimetry and assessment over the 2019 data-rich year	Nomvula Mpungose - Potential drivers of heatwaves in subtropical east coast regions in the Southern Hemisphere during the extended summer season
3:50 pm - 4:10 pm	<b>Tea Break</b>			
<b>Session 3</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
		<b>Session: Southern Hemisphere Boundary Currents</b> Tamaryn Morris <i>Co-Chair (TBC)</i>	<b>Session: High-Performance Computing, Machine Learning, and Quantum Computing Advances for Weather and Climate Modeling</b>	<b>Session: Weather and Climate Extremes Chair</b>

			Chair <i>Co-Chair</i>	Co-Chair
4.10pm – 4.30pm		Jason Evans - What role did the unusually warm East Australian Current play in the extreme rainfall of February to April 2022?	Fhatuwani Ndalambi - Characterization of drought patterns and prediction of future events in the Karoo using machine learning and historical climate data (1950-2022).	Ailie Gallant – A global connection between meteorological drought and daily-scale heavy rainfall events
4.30pm – 4.50pm		Laura Braby - Surface mooring observations in the Agulhas Return Current indicate a large ocean temperature bias in satellite and reanalysis products	Gift Rambuwani-Impact of double moment cloud microphysics scheme on CCAM simulations at convection permitting scale.	Stefaan Conradie - Two consecutive record-breaking winters at the Cape of Storms: the role of low-frequency variability in the austral westerlies
5.10pm – 5.30pm		Tamaryn Morris – Investigating interactions between the Agulhas Current and Algoa Bay	Mthetho Sovara - An African renaissance in technology and development: Advancing South Africa’s Weather and Climate Science through a National Integrated Cyberinfrastructure System.	Peliwe Jubase – Trends in heatwaves and associated synoptic conditions across the upper Limpopo Basin of Botswana and South Africa
<b>5.30pm-7.00pm</b>	<b>WELCOME RECEPTION + NETWORKING IN EXHIBITION HALL</b>			
<b>END OF DAY 1</b>				

## Tuesday, 01 April 2025

### Day 2

TBC (Confco)	<b>Registration</b>			
9am-10am	Plenary Session - Plenary MC: Warren Joubert			
	<b>Keynote:</b> Tercio Ambrizzi (30 mins) <b>Invited:</b> Andrea Taschetto (20 mins) Q+A (10 mins)			
10.00am – 10.30am	<b>Tea Break</b>			
10.30am - 11.00am	<b>Combined Session - Plenary</b> <b>Chair: David Karoly</b> Julia Mindlin - General Circulation and Climate Dynamics of the Southern Hemisphere Troposphere (15 mins) Darryn Waugh – The stratosphere in the Southern Hemisphere (15 mins)			
	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
<b>Session 4</b>	<b>Ocean20 /AAORIA Side Event</b>  <b>Coastal Resilience and Innovative Technologies</b>	<b>Session: Regional climate change Projections, applications and trends</b> Babatunde Abiodun <i>Co-Chair (TBC)</i>	<b>Session: Polar</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Teleconnections and climate variability</b> Chair (TBC) <i>Co-Chair (TBC)</i>
11.00am – 11.20am		Leandro Baltasar Diaz – Southern Hemisphere surface climate response to human activities analyzed using Large Ensemble Single Forcing Model Intercomparison Project (LESFMIP) simulations	Kyle Clem - Recent Antarctic Peninsula warming linked to a new triple-dip La Niña state	Sharon Nicholson – The seasonal cycle in Southern Hemisphere Africa
11.20am – 11.40am		Adeyemi Adebisi– How reliable are CMIP6 models in simulating the southern African easterly jet and its implication on aerosols, clouds, and precipitation?	Rutger Marquart - Coupled dynamics and thermodynamics modelling of heterogeneous sea ice and ocean waves	Ross Blamey – Diversity and ranking of ENSO impacts along the eastern seaboard of subtropical southern Africa
11.40am – 12.00am		Sophie Harbord– Evaluating Congo Air Boundary breakdown and its relationship with southern African rainfall onset in reanalyses, historical and future CMIP6 simulations	Kathryn Gunn - Antarctic Deep Ocean Warming and an Emerging Salinity Tipping Point	Robert Doane-Solomon – Understanding Winter Drying Trends in Southern Hemisphere Mediterranean-type Climates
12.00am – 12.20am		Marina Friedel – Using process understanding to constrain regional drought projections	Pamela Linford - Presence of the Antarctic Intermediate Water on the	Andreas H. Fink –Drivers of seasonal rainfall variability over the Angolan and Namibian plateaus

			continental shelf of Southern Patagonia during the Winter-Spring transition	
12.20am – 12.40pm		Sizwe Gura – The impact of climate change on the distribution pattern of <i>Biomphalaria pfeifferi</i> in the Bojanala Platinum District Municipality	Shane Keating - Bathymetry imposes a global pattern of cross front transport in the Southern Ocean	Bellinda Monyela – Representation of the Kalahari Thermal Low in Reanalyses Products: Seasonality, Interannual variability and Impacts on the southern African precipitation
<b>12.40pm – 2.00pm</b>	<b>Lunch Break Poster Session (Exhibition Hall)</b>			
	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
<b>Session 5</b>		<b>Session: Coastal Oceanography</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Subtropical dynamics and change</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Teleconnections and climate variability</b> Chair (TBC) <i>Co-Chair (TBC)</i>
2.00pm – 2.20pm		Michael Hart-Davis – Improved ocean tide predictions in the coastal region: insights from the SWOT satellite	Chelsey Lucinda Jansen – Simulating the sensitivity of COLs to the Agulhas Current using MPAS-A over the Western Cape, South Africa.	Leandro B. Díaz – Low-frequency climatic variability and trends in Central Argentina
2.20pm – 2.40pm		Jennifer Weeks – Sea-level rise storylines to inform coastal adaptation planning and decision-making for the UK, South Africa and beyond	Bhavani Brijlal – Dynamics of Ridging South Atlantic Ocean Anticyclones	Camila Prudente – Dynamic Forcing in Covariability Patterns between Precipitation and Paraguay River Levels
2.40pm – 3.00pm		Christo Peter Whittle - Interdecadal upwelling and harmful algal bloom variability derived from Benguela optimized MODIS sea surface temperature and chlorophyll-a concentration algorithms	Neil Hart - The decline of tropical-extratropical cloud bands in the southern hemisphere subtropics	Christopher Reason - Diversity of La Niña impacts on southeastern African climate: the influence of event duration
3.00pm – 3.20pm		Neha Ramsarup - Long-term inter-annual temperature variability across the KwaZulu-Natal Bight as a technique for long-term monitoring of the uThukela Marine Protected Area.	Abdulaziz Yakubu- Evaluating reanalysis datasets in estimating moisture transport over Southern Africa	Thulwaneng Mashifane - Trait-Based Adjustments: Key to Improving Bloom Seasonal Cycle in the Subantarctic Zone

3.20pm – 3.40pm		Olivier Bousquet – Sea turtle-borne oceanographic observations in the SouthWest Indian Ocean: examples of applications in climatology, physical oceanography and ocean modelling	Phumudzo Charles Tharaga – The migration of the coastal low over the West Coast and impact on moisture distribution over towns in Northern Cape	Janine Schoombie – Mapping within-island-scale wind variation on Marion Island
<b>3.40pm – 4.00pm</b>	<b>Tea Break</b>			
<b>Session 6</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
		<b>Session: Coastal Oceanography</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Subtropical dynamic and change</b> Chair (TBC) <i>Co-Chair (TBC)</i>	<b>Session: Regional climate change: Projections, applications and trends</b> Chair (TBC) <i>Co-Chair (TBC)</i>
4.00pm – 4.20pm		Thomas Bornman – Development of a Coastal GHG Observing System in southern Africa	Kitty Attwood – Heat low dynamics: novel observations from southern Africa.	Sophie Biskop –A Robust Signal of Soil Drying across Southern Africa in a Warmer World
4.20pm – 4.40pm		Jethan D'hotman – The sea temperature of a western boundary	Thando Ndarana – The impact of seasonal changes on the dynamics of South African cut-off low pressure systems	Elio Campitelli – Southern Annular Mode dynamics, projections and impacts in a changing climate
5.00pm – 5.20pm		Philile Mvula - Mysterious Subsurface Ridge on The Upper Slope of The Eastern Agulhas Bank: A Potential Spawning Ground for Commercially Valuable Fish?	Amber Sneddon - Atmospheric River climatology for the South Atlantic Basin based on modern image-processing-based tracking	Amarech Alebie Addisuu - Improving the Simulation of Extreme Precipitation Events in Southern Africa: A Bias Correction Approach for CMIP6 Models
5.40pm – 5.00pm		Gustav Rautenbach - Frontal Eddies of the KwaZulu-Natal Bight and their Impact on Coastal Circulation	Nicolle Loader - Assessing the data quality of ERA5 datasets in relation to summer temperature indices over South Africa: 1979-2023	Isabella De Beer – Attribution of human influence on the fire weather conditions during the 2023-2024 fire season, SW Cape, South Africa
5.00pm – 5.20pm		Giles Fearon – A relocatable approach to regional ocean forecast systems: applications along South Africa’s continental shelf	Andries Kruger – Sub-Daily Annual and Seasonal Mean Surface Temperature Trends in South Africa: 1994 – 2023	Claire Currie - Assessing the robustness of Climate Change information used for reserve determination - a contribution to groundwater management in South Africa
<b>END OF DAY 2</b>				

## Wednesday, 02 April 2025

### Day 3

TBC (Confco)	<b>Registration</b>			
9am-10am	Plenary Session MC: Warren Joubert			
	<b>Keynote Speaker:</b> Janet Sprintall (30mins) <b>Invited Speaker:</b> Hector Chikoore (20mins) Q+A (10 mins)			
10:00am – 10.30am	<b>Tea Break</b>			
10.30am - 11.00am	<b>Combined Session</b> <b>Chair:</b> Julia Mindlin Teresa Parker - Meteorology of the Southern Hemisphere extratropics Kyle Clem – Meteorology and Climate of Antarctica			
<b>Session 7</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
		<b>Session: Emerging Technologies in Ocean Observing</b> Dr Tamaryn Morris <i>Mr Jethan d’Hotman</i>	<b>Session: Weather and climate of the tropics</b> Chair <i>Co-Chair</i>	<b>Session: Regional climate change: projections, applications and trends</b> Chair <i>Co-Chair</i>
11.00am – 11.20am		Patrick Gorringe – SCOOP- Solutions for Cost-effective Ocean Observation Platform	Lebogang Makgati – The sensitivity of Tropical Cyclone Idai model simulation to grid resolution and lead time	Marcia T Zilli – The role of vegetation in the delayed onset of South American monsoon under global warming in convection-permitting regional climate simulations
11.20am – 11.40am		Jethan d’Hotman – Coastal Observations in Under-Resourced Regions: Advancing Accessibility and Capacity through COLaB	Zaine Perry –Atmospheric and oceanic drivers of Tropical Cyclone Freddy’s re-intensification in the Mozambique Channel	Amarys Casnin –Dynamical downscaling on French Polynesia using CNRM-AROME convection-permitting model
11.40am – 12.00am		Sarah Nicholson - VeGAS-pCO2: Versatile glider, atmospheric and ship high precision pCO2 gas flux analyser	Charlie Knight -First detailed observations of the Congo Air Boundary at the southern African tropical edge	Vinicio Santos – Coupled Ocean-Atmosphere Regional Simulation of Subtropical Storm Raoni
12.00am – 12.20am		Patrick Gorringe - The Fishing Vessel Ocean Observing Network (FVON): Towards advancing	Noel Lester Hlakotsa - Meteorological drivers of the dust emission potential in southwestern Angola	Jessica Steinkopf –Km-scale projections of changing tropical cyclone attributes in the southwest Indian Ocean in a warmer world

		collaborative observations for the sustainability of our oceans		
12.20am – 12.40pm		Yi Chao – Decolonizing ocean science using ocean thermal energy recharging Argo float	Richard Washington –Field Observations from DRYCAB (Decreasing Rainfall to Year 2100: Role of the Congo Air Boundary)	Kimberley Eastaugh – Projecting Future Wave Climates for South Africa using Artificial Neural Networks
<b>12.40pm – 2.00pm</b>	<b>Lunch Break Poster Session (Exhibition Hall)</b>			
<b>Session 8</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
		<b>Session: Emerging Technologies in Atmospheric Observing and Adaptation</b> Chair <i>Co-Chair</i>	<b>Session: Weather and climates of the tropics</b> Chair <i>Co-Chair</i>	<b>Session: Southern Ocean</b> Chair <i>Co-Chair</i>
2.00pm – 2.20pm		Gregor Feig – Expanded Freshwater and Terrestrial Environmental Observation Network: A Landscape Scale Environmental Research Infrastructure in South Africa	Dae-hui Kim – On the Negative Radiation Feedback on the Earth Energy Balance due to Tropical Cyclones	Joaquin Blanco – Insights into observed and simulated Southern Ocean cloud albedo from a cloud-controlling factor framework.
2.20pm – 2.40pm		Callum Munday – Field observations from the Kalahari Atmospheric Processes Experiment (KAPEX)	Mulalo Maphugwi – Rainfall variability over the eastern Congo Air Boundary region of southern Africa	Marcel Du Plessis – Storms regulate Southern Ocean summer warming
2.40pm – 3.00pm		Markus Geldenhuys- BIANKA : AirCores and Age-of-Air above Africa	Dan Green - Intense Tropical Cyclones in the Mozambique Channel in high resolution simulations	Sandy Thomalla -Southern Ocean Observing System for sustained and coordinated observations in a changing world
3.00pm – 3.20pm		Bruce Hewitson – Where climate science is failing climate adaptation	Athule James - MPAS-A simulation of Tropical Cyclones in the SouthWest Indian Ocean	Shane Keating - Bathymetry imposes a global pattern of cross front transport in the Southern Ocean
3.20pm – 3.40pm		Ailie Gallant – Weather as a Resource	Ambinintsoa Volatiana RAMANAMAHEFA – Impact of orography and wind dynamics on localized heavy precipitation in Reunion: A case study of tropical cyclone Batsirai (2022)	Presenter 5 – Title [OPEN]



3.40pm – 4.00pm	Tea Break			
	Room 1	Room 2	Room 3	Room 4
Session 9		<b>Session: Regional climate change - projections, applications and trends</b> Chair <i>Co-Chair</i>	<b>Session: Mesoscale to convective-scale processes</b> Ross Blamey <i>Co-Chair</i>	<b>Session: General Oceanography</b> Chair: Juliet Hermes <i>Co-Chair</i>
4.00pm – 4.20pm		Rachel James – Do models agree on projections of seasonal rainfall changes over southern Africa?	Richard Schulte - A Comparative Analysis of Convective Environments in the Southern Hemisphere	Matt Carr - Indian Ocean upwelling: Interactions between the Indonesian Throughflow and the Seychelles-Chagos Thermocline Ridge.
4.20pm – 4.40pm		Peter Marsh–A CMIP Model Selection Specific to South Africa's Winter Rainfall Zone	Susan van den Heever - Convective Storms in the Southern Hemisphere through the Lens of the INCUS Missione	Tallulah Graziani - Investigating Variability and Warming in the Western Indian Ocean
5.00pm – 5.40pm		Julia Mindlin – Emerging storylines in the Southern Hemisphere circulation	Lynette van Schalkwyk – Convective drylines in subtropical southern Africa	Clea Welch - Identifying Marine Heatwaves and their Subsurface Signals in the South West Indian Ocean
4.40pm – 5.00pm		Milkessa Gebeyehu Homa – Assessing the Impacts of Climate Change on Future Streamflow in the Okavango River Basin: A Hydrological Analysis Using CMIP6 Projections	Jody Thorburn– Attribution of human influence on the indoor heat stress in homes in a low-income settlement, Cape Town, South Africa	Alex Sen Gupta - Lifting the lid on Marine Heatwaves
5.00pm – 5.20pm		Marcia Zilli - Future changes in the characteristics of the dry-to-wet transition period in Southern Africa and South America using convection-permitting simulations	Rachel James – Expert assessment of future change in southern African climate	Leandro Baltasar Diaz - Response of the Southern Hemisphere atmospheric and oceanic circulation to single forcings
<b>END OF DAY 3</b>				
<b>SCIENCE ENGAGEMENT EVENING</b>				

# Thursday, 03 April 2025

## Day 4

TBC (Confco)	<b>Registration</b>			
9am-10am	Plenary Session MC: Warren Joubert			
	<b>Keynote:</b> Regina Rodriguez (30 mins) <b>Invited:</b> Issufo Halo (20 mins) Q+A (10 mins)			
<b>10.00 am – 10.30 am</b>	<b>Tea Break</b>			
<b>10:30am - 11.15am</b>	<b>Combined Session - Plenary room</b> <b>Chair:</b> Thando Ndarana Michelle Reboita – Meteorology and climate of South America and surrounding oceans Hector Chikoore – Meteorology and climate of the African region south of the Equator Andrea Taschetto - A review of the meteorology and climate of Australasia and Pacific Islands			
	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
<b>Session 10</b>		<b>Session: Regional climate change: projections, applications and trends</b> Chair <i>Co-Chair</i>	<b>Session: Extratropical dynamics and change</b> Chair <i>Co-Chair</i>	<b>Session: Southern Ocean BGC</b> Chair <i>Co-Chair</i>
11.15am – 11.35am		Marco Rossi – Precipitation Variability Analysis Using CMIP6 data with MATLAB	Michael Barnes – The evolution of cyclonic and anticyclonic Rossby wave breaking morphologies and their importance in extremes	Darryn Waugh – Historical Trends in Heat, Carbon, Salinity, and Oxygen in the Southern Oceans: Impact of a Changing Ocean Transport
11.35am – 11.55am		Francois Engelbrecht – A km-scale event-attribution modeling system based in the Global South	Donald Nkabinde – The dynamics of Rossby wave breaking in the Southern Hemisphere	Thomas Ryan-Keogh – How can we effectively manage the impact of climate change on Antarctic ecosystems?
11.55am – 12.15am		Robert Maisha - Simulation of current and future temperature of eThekwin, South Africa	Tsholanang Rammopo- The use of clustering uncertainty framework in the detection of eddy life cycle regimes impacting the southern African domain	Sandy Thomalla - Climate-driven change to phytoplankton blooms across the global ocean
12.15am – 12.35am		Michael Mengistu - Trends and Future Projections of Extreme	Zachariah Mshelia - Analysis of the shoreline dynamics and associated	Nicolette Chang - Investigating Heat and Carbon Exchange in the Southern Ocean:

		Precipitation Indices in Limpopo Province, South Africa	socio-ecological risk along the southern and northern Durban coastline	Insights from a Mesoscale-Resolving Ocean-Ice-Biogeochemical Model
12.35am – 12.55pm		Tiro Nkemelang - Climate Change Influence On Two Extreme Wildfire Events in the Cape Floristic Kingdom - An Extreme Event Attribution case study	Ambinintsoa Volatiana RAMANAMAHEFA - Analysis of meteorological mechanisms behind the major floods in Victoria, Seychelles on December 16-17, 2022	Anele Mahlangu – Uncertainties associated with Biogeochemical Model complexity in the Southern Ocean
<b>12.55pm – 1.40pm</b>	<b>Lunch Break Poster Session (Exhibition Hall)</b>			
	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
<b>Session 11</b>		<b>Session: Weather and climate prediction advances</b> Chair <i>Co-Chair</i>	<b>Session: Citizen Science</b> Chair <i>Co-Chair</i>	<b>Session: Southern Ocean - BGC</b> Chair <i>Co-Chair</i>
1.40pm – 2.00pm		Neil Hart – Can we predict the start of the summer rains, yet?	Londolani Theophalus Lethole – Intercomparison of low-cost citizen weather stations (CWS) against a standard weather station	Sarah Du Preez – Environmental influence on zooplankton variability around sub-Antarctic Prince Edward Islands
2.00pm – 2.20pm		Lewis Ireland – Predicting heat-related mortality risk: A medium-range forecasting approach using weather patterns over South Africa	Neville Sweijd – Thinking global & impacting local: Trending coastal climate variability, and the current and future impact on communities and business operations	Sarah-Anne Nicholson – The impact of storms on CO2 and heat exchange across the Southern Ocean
2.20pm – 2.40pm		Leandro Baltasar Diaz - Coproduction of a week-2 rainfall probabilistic prediction product to underpin small farmer activities in southeastern South America	Patrick Gorrige - Ocean Citizen Science – Crosscutting the chasm between society and science	Thato Mtshali - Wintertime distribution and mixed layer dissolved iron budget in the south Atlantic sector of the Southern Ocean
2.40pm – 3.00pm		Jennifer Veitch - Validation and intercomparison of Ocean Forecasting and Analysis Systems in the southern African region	Yonela Silwanyana - Integrating indigenous knowledge systems (IKS) and climate science to Understand Seasonal Variations and Climate Adaptation in Malamulele and Swayimane communities	Thapelo Ramalepe - Winter Entrainment Drives the Mixed Layer Supply of Manganese in the Southern Ocean

3.00pm – 3.20pm		Sabeehah Desai – Exploring Wind Erosion Risk in the Northern Cape Using a Reanalysis Dataset and WRF Simulations		Miranda Sitofile – The seasonal iron supply in the Southern Ocean
<b>3.20pm – 3.40pm</b>	<b>Tea Break</b>			
	TRAVEL TO MOYO KIRSTENBOSCH WALK AROUND			
<b>END OF DAY 4</b>				
<b>18:30 for 19:00 CONFERENCE DINNER - MOYO KIRSTENBOSCH (TBC)</b>				

## Friday, 04 April 2025

### Day 5

TBC (Confco)	<b>Registration</b>			
9am-10am	Plenary Session MC: Warren Joubert			
	<b>Keynote:</b> Tim Woolings (30 mins) <b>Invited:</b> Michelle Reboita (20 mins) Q+A (10 mins)			
<b>10.00 am – 10.30 am</b>	<b>Tea Break</b>			
<b>10.30am - 11.15am</b>	<b>Combined Session - Plenary Hall</b> <b>Chair:</b> Michelle Reboita Agus Santoso -Role of the Oceans in Southern Hemisphere Climate Chris Reason - Interannual and intraseasonal variability in the Southern Hemisphere Babatunde Abiodun - Climate modelling challenges and prospects in the Southern Hemisphere			
	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Room 4</b>
<b>Session 12</b>	<b>WCRP My Climate Risk  Special Session</b>	<b>Session: Solar Radiation Modification and Climate Change</b> Chair <i>Co-Chair</i>	<b>Session: General Oceanography</b> Chair <i>Co-Chair</i>	<b>Session: Air Quality</b> Chair <i>Co-Chair</i>
11.15am – 11.35am		Christopher Lennard-The African SRM Research Community – Positioning Africa at the forefront of the global SRM discourse	Mutshutshu Tsanwani - Are the trends and variability in surface seawater pCO2 and FCO2 in BUS driven by carbon or climate?	Rebecca Garland – An assessment of reactive nitrogen sources, concentrations and biogeochemical cycling across South African ecosystems
11.35am – 11.55am		Rhoda Ayedun – Potential impacts of stratospheric aerosol geoengineering on crop yield in Africa	Raberinary Daniel - Stock Status Estimating of Panulirus homarus in Fort Dauphin, Madagascar Using TropFishR Method	Peace Awoleye – Assessment and Comparative Analysis of Emission Inventories for Air Quality Modeling in Southern Africa
11.55am – 12.15am		Ashleigh Ho - Assessing the Impact of Solar Geoengineering on Forage Production in Africa	Nokuthula Nkadimeng - Eddy variability in the southeastern Atlantic Ocean: A comparative study of the northern and southern Benguela eddy fields	Sarah Roffe -High aerospora levels and associated atmospheric circulation patterns: Pretoria, South Africa

12.15am – 12.35am		Sabina Abba Omar – Impacts of Climate Change and Solar Geoengineering on Cut off Low Events over Africa	Tihonolofatso Tebele – Evaluating the In-Situ Sea Surface Temperature Data Along the South African Coastline	<b>ECOP SESSION</b>
12.35am – 12.55pm		Olumuyiwa Ayotunde Oloniyo – Using Stratospheric Aerosol Injection to mitigate climate change impacts on heat stress risk in Africa	Monray Belelie – The Role of Southern African Dust in Enhancing Phytoplankton Biomass in the BUS	
<b>12.55pm – 1.55pm</b>	<b>Lunch Break</b>			
<b>1:20pm - 3:00pm</b>	<b>Closing Ceremony</b>			
<b>3:00pm - 4:00pm</b>	<b>CSIR CHPC Technical Tour</b>			
<b>END OF DAY 5</b>				