Wednesday 29 November 2023

	SESSION	SPEAKER(s) TITLE		Prinicpal Investigator FORMAT				
			RESEARCH THEME: Ecosystems, biodiversity and biodiscovery					
8:00	Biodiversity		CHAIR: Prof Bettine van Vuuren					
		Dr Peter Convey (BAS)	Terrestrial biological invasions and their potential impacts in the maritime Antarctic	Invited Guest	Plenary Talk			
8:30	Mammals		CHAIR: Dr Mia Wege					
	Dr Christian Murray	Understanding the drivers of Mario	ı Island's elephant seal population	Prof Nico de Bruyn	Oral			
	Leandri de Kock	Considering individual variation who	en investigating marine predator behaviours during life- history events	Prof Nico de Bruyn	Oral			
	Dr Liezl Pretorius & Dr Greg Hofmeyr Canine morphometrics as a tool for distinguishing species, sex and age in Southern Ocean fur seals			Dr Greg Hofmeyr	Oral			
	Dr Mia Wege	The conveyor belt of Ross seals in th	ne Lazarev Sea and their behaviour	Prof Trevor McIntyre	Oral			
	Matthew Germishuizen	Sea ice declines coincide with a peri	od of reduced reproductive success in Southern Ocean top predator	Dr Els Vermeulen	Oral			
	Oluwaseyi Paul Babalola	Entropy-based Detection and Classif	ication of Bryde's Whale Vocalizations: An Approach for Understanding and Conserving an Endangered Species	Prof Jaco Versfeld	Oral			
			RESEARCH THEME: Earth systems observations					
9:30	Antarctic and sub-Antarctic	earth science	CHAIR: Prof Werner Nel					
	Dr Geoff Grantham	Geological and Geophysical Researc	h in Western Dronning Maud Land, Antarctica. Fieldwork, Laboratory Methods, History and Progress over ~40 years.		Oral			
9:45			BREAK					
10:15								
	Antarctic and sub-Antarctic	earth science	CHAIR: Prof Werner Nel					
1	Prof Werner Nel	Landscape and climate interactions	in the sub-Antarctic: Past, present and future	Prof W Nel	Oral			
	Dr Elizabeth Rudolph	The deglaciation of sub-Antarctic M	arion Island	Prof W Nel	Oral			
	Mr Sibusiso Sinuka	Towards determining the formation	ages of the lithologies on sub-Antarctic Marion Island	Prof W Nel	Oral			
	Mr Abuyiselwe Nguna	Preliminary results of fallout 137Cae	esium techniques on Aeolian land features on sub-Antarctic Marion Island	Prof W Nel	Oral			
	CROSS DISCIPLINES							
11:15	Capacity Buildiing APECSSA	feedback session	CHAIR: Dr Tommy Ryan-Keogh					
11:45	Ecosystems, biodiversity and	d biodiscovery	CHAIR: Prof Donald Cowan					
	Don Cowan	Microbial ecology of Antarctic deser	t soils	Prof D Cowan	Oral			
	Pedro Lebre	Biogeographic survey of soil microb	al communities across Antarctica	Prof D Cowan	Oral			
	Silindile Maphosa	Exploring the functional potential of	microbial metagenome-assembled genomes (MAGs) from sub-Antarctic islands	Prof D Cowan	Oral			
	Lefentse Mashamaite	Microbial diversity in Antarctic Dry	/alley soils across an altitudinal gradient	Prof D Cowan	Oral			
12:30			LUNCH					

	RESEARCH THEME : Ecosystems, biodiversity and biodiscovery									
13:30	Cosystems, biodiversity and biodiscovery CHAIR: Prof Donald Cowan									
	Runesu Bakasa	Elucidating the role of biosynthetic genes in the adaptation of bacterial mixotrophs in the South Atlantic	Prof T Mkhalanyane	Oral						
	Marike Hillocks Phage satellites of the deep Southern Ocean		Prof T Mkhalanyane	Oral						
	Riaan Pierneef	iaan Pierneef Polar opposites; bacterioplankton susceptibility and mycoplankton resistance to ocean acidification		Oral						
	Mancha Mabaso	Prof T Mkhalanyane	Oral							
	Choaro Dithugoe	Prof T Mkhalanyane	Oral							
	Nosipho Hlalukana	Prof T Mkhalanyane	Oral							
	Nyasha Mafumo	Prof T Mkhalanyane	Oral							
	Phillip Mawire	Prof T Mkhalanyane	Oral							
	Mayinbogwe Buthelezi	Prof T Mkhalanyane	Oral							
	Sade Magabotha	Magabotha A reproducible microbiome pipeline for the identification of horizontally acquired mobile genetic elements								
	Christophe Lefebvre	istophe Lefebvre Using computational tools to shed light on microbes with capacity to degrade microplastics in the oceans								
	Elizabe Malan	oe Malan Understanding the dynamics of microbial communities in the Congo River plume								
	Benjamin Abraham	Prof T Mkhalanyane	Poster							
	Nelisiwe Hedebe	Nelisiwe Hedebe Charting the diversity of Giant viruses of Antarctic dry valley permafrost								
	Michelle Bekker	Phage diversity in the Southern Ocean	Prof T Mkhalanyane	Poster						
15:00		BREAK								
15:30	The Southern Ocean's sensitivity to a changing climate: CHAIR: Dr Sarah Nicholson & Dr Sandy Thomalla									
13.30	insights from a seasonal cycle approach									
	Sarah Nicholson The impact of storms on CO2 and heat exchange across the Southern Ocean		DR S Nicholson	Oral						
	esha Toolsee The complex role of storms in modulating intra-seasonal air-sea CO2 fluxes in the sub-Antarctic Southern Ocean		DR S Nicholson	Oral						
	Sandy Thomalla	Trends in Southern Ocean Phytoplankton bloom phenology	DR S Thomalla	Oral						
	Sifiso Mpapane	Understanding photoacclimation effects on Chl:C ratio in the Southern Ocean: modelling considerations and insights into seasonal assemblage composition	DR S Nicholson	ePoster						
	Tommy Ryan-Keogh	Multi-decadal trend of increasing iron stress in the Southern Ocean phytoplankton	DR S Nicholson	Oral						
	Thapelo Ramalepe	Exploring the seasonal processes governing manganese supply in the Southern Ocean	DR S Nicholson	Oral						
	Thato Mtshali	Winter-time distributions and dissolved iron mixed layer budget in the south Atlantic sector of the Southern Ocean	Dr T Mtshali	Oral						
	Miranda Sitofile	Investigating seasonal variability of dissolved iron in the South Atlantic sector of the Southern Ocean: Insights from the winter and spring SCALE 2019 cruises	DR S Thomalla	ePoster						
	Lillina Ruiters	Variability of phytoplankton photophysiology in the Southern Ocean: an analysis of assumptions and uncertainties	DR S Thomalla	ePoster						
16:30	NETWORK - Building our SANAP Research Community									
10.30	INET WORK - Dullding out SAIVAF Research Community									
18:30	DINNER									
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