

APL-CMCC-ACCESS Workshop on "Empowering Human Wellbeing through Advances in Climate Analysis and Prediction"

29-30 November, 2023
Miyoshi Hall, JAMSTEC Yokohama Campus, Japan
Online:

Day 1, November 29		Opening session Coordinator: Swadhin Behera		
12:45	12:48	Dr. Hiroyuki Yamato	President, JAMSTEC	Welcome address
12:49	12:52	Ms. Annelize Schroeder	Minister Plenipotentiary, Embassy of South Africa	Opening remarks
12:53	12:56	Mr. Taro Matsubara	Director, Environmental Science and Technology, MEXT	Opening remarks
12:57	13:00	Mr. Osamu Kobayashi	Director, Dept. of International Affairs, JST	Opening remarks
Photo session				
Climate variation and processes Chairs: Toshio Yamagata and Antonio Navarra				
13:00	13:20	JAMSTEC, Japan	Swadhin Behera	<i>Harnessing cutting-edge innovations in climate predictions for real-world applications</i>
13:20	13:40	CMCC, Italy	Antonio Navarra	<i>Beyond dynamical modeling: Koopman operators and AI</i>
13:40	14:00	ICAR/NUIST, China	Jing-Jia Luo	<i>Use of AI deep learning approaches for climate forecast</i>
14:00	14:20	U. Tokyo, Japan	Yukio Masumoto	<i>The eastern Indian Ocean upwelling system</i>
14:20	14:40	CMCC, Italy	Simona Masina	<i>The Institute for Earth System Prediction: new challenges at CMCC</i>
14:40	15:00	UP, South Africa	Willem Landman	<i>Climate analysis, dynamics and prediction activities in South Africa</i>
15:00	15:20	JAMSTEC, Japan	Masami Nonaka	<i>Mid-latitude ocean-atmosphere variability and interactions</i>
15:20	15:40	CMCC, Italy	Panos Athanasiadis	<i>Decadal predictability and air-sea interaction in the North Atlantic: advancing the CMCC decadal prediction system</i>
15:40	16:00	Coffee		
Climate variation and processes Chairs: Silvio Gualdi and Willem Landman				
16:00	16:20	U. Tokyo, Japan	Masahiro Hashizume	<i>Future projection of diarrhoea</i>
16:20	16:40	U. Free State South Africa	Adriaan VD Walt	<i>Regional specific studies of extreme temperatures and human thermal comfort across southern Africa</i>
16:40	17:00	U. Tokyo, Japan	Tomoki Tozuka	<i>Generation mechanisms of SST anomalies associated with the canonical El Niño focusing on vertical mixing</i>
17:00	17:20	KAUST, Saudi Arabia	Ibrahim Hoteit	<i>Introducing Saudi Arabia's New Climate Change Center and Its Initiatives</i>
17:20	17:40	ICAR/NUIST, China	Chaoxia Yuan	<i>On the slow decaying of ENSO in CMIP6 models</i>
17:40	18:00	LOCEAN, France	Sebastian Masson	<i>Why should we take wave into account in air-sea coupling</i>
18:00	18:20	CSC, Finland	Thomas Zwinger	<i>Elmer/Ice - a new generation HPC enabled ice-sheet model</i>
18:20	18:40	CMCC, Italy	Dorotea Iovino	<i>The CMCC ocean/sea ice system</i>
18:40	19:00	JAMSTEC, Japan	Yushi Morioka	<i>Antarctic sea ice multidecadal variability and predictability in climate models</i>
19:00	20:30	Reception @ Guest House, YES, JAMSTEC (Remarks by Dr. Hori Muneo, Director General, VAIg, JAMSTEC)		
Climate predictions for societal needs Chairs: Simona Masina and Masami Nonaka				
13:00	13:20	CMCC, Italy	Silvio Gualdi	<i>Seasonal prediction activity at CMCC</i>
13:20	13:40	JAMSTEC, Japan	Takeshi Doi	<i>Seasonal prediction activity at JAMSTEC</i>

13:40	14:00	CMCC, Italy	Enrico Scoccimarro	<i>The use of GCMs in support of the investigation of Tropical Cyclones and their interaction with the climate system</i>
14:00	14:20	JAMSTEC, Japan	Ingo Richter	<i>Revisiting ENSO's inconsistent influence on the tropical Atlantic</i>
14:20	14:40	CSIR, South Africa	Mohau Mateyisi	<i>Earth system model prototype for seamless forecast construction: Evaluation/validation from weather to monthly time scales and tailored services development for health sector</i>
14:40	15:00	KAUST, Saudi Arabia & UoH, India	Ashok Karumuri	Decadal predictability of IOD
15:00	15:20	JAMSTEC, Japan	Jayanthi Ratnam	<i>Predicting heat waves over India</i>
15:20	15:40	JAMSTEC, Japan	Kalpesh Patil	Deep learning approach for Predicting ENSO and East African short rains
15:40	16:00			Coffee
Climate applications for human well-being Chairs: Noboru Minakawa, Neville Sweijd and Swadhin Behera				
16:00	16:20	ACCESS, South Africa	Neville Sweijd	<i>Understanding climate variations for applications in health</i>
16:20	16:40	TMC, South Africa	Erik Mabunda & Nyakallo Masedi	<i>Malaria predictions and climate variables in Limpopo South Africa</i>
16:40	17:00	JAMSTEC, Japan	Patrick Martineau	<i>Understanding and predicting the impact of climate variability in South Africa: from weather extremes to malaria outbreaks</i>
17:00	17:20	ARC, South Africa	Sarah Roffe	<i>Understanding spatiotemporal patterns of human thermal comfort across southern Africa as a means to develop an early warning system at the Agricultural Research Council</i>
17:20	17:40	NDH, South Africa	Bono Nemukula	<i>South African Climate Change and Health: policy and Implementation</i>
17:40	18:00	Nagasaki U & U. Tokyo, Japan	Micheal Terron & Yoonhee Kim	<i>Recent Modeling Approaches Applied to Time Series Forecasting for Malaria with Multi-Climatic Factors</i>
18:00	18:20	SAMRC, South Africa	Thandi Kapwata	<i>Profile of South African Medical Research Council Heat-Health Research</i>
18:20	18:40	SAWS, South Africa	Malebo Makunyane	<i>Effect modification of the association between temperature variability and mortality by spatial weather types in five South African cities</i>
18:40	19:00	U. Witwatersrand South Africa	Ogone Motlogeloa	<i>Exploring the Intersection of Climate and Health: Analyzing Seasonal Patterns in Acute Respiratory Diseases and their Post-Extreme Climate Event Impact in South Africa</i>
Closing session				
19:00	19:10	Dr. Takeshi Kawano	Executive Director, JAMSTEC	Closing remarks
19:10	20:30	Informal gathering @ Guest House, YES, JAMSTEC		