



A3项目  
中日韩  
A3 PROJECT

# The 2nd Workshop on the A3 Foresight Program “Networking Climate Change Research Hubs for Promoting Future Earth Over Northeast Asia”

## Program Schedule: (unofficial version)

The 2nd A3 Project Working Group  
December 19th to December 20th 2023  
Guangdong • Zhuhai





13项目  
中日韩  
13 PROJECT

All day check-in on December 18<sup>th</sup>

Report Time: December 19<sup>th</sup> to December 20<sup>th</sup> 2023

Location: Guangdong Zhuhai Renheng Intercontinental Hotel

December 19<sup>th</sup>, 2023 (Tuesday)

Time	Title	Presenter	Affiliation
Opening Ceremony & Presentations by the Pls			
08:00-08:30	Opening Remarks	<i>TBD</i>	<i>TBD</i>
08:30-09:00	Compounding drought and heatwaves	Kyung-Ja Ha	Pusan National University
09:00-09:30	Two competing drivers of the recent Walker circulation trend	Masahiro Watanabe	The University of Tokyo
09:30-10:00	<i>TBD</i>	Wenjie Dong	Sun Yat-sen University
10:00-10:30	Group photo & Tea break		
December 19 Session I:		Session Chair: <i>TBD</i>	
10:30-10:50	Did extreme forcing help or hinder extensive East Asia spring droughts?	Jonghun Kam	POSTECH
10:50-11:10	Opportunities and barriers for skillful sub-seasonal prediction of East Asian Summer monsoon precipitation.	Fei Liu	Sun Yat-sen University
11:10-11:30	Causal relationship between Kuroshio and Gulf Stream SST and implications for extreme summer weather	Yoko Yamagami	Japan Agency for Marine-Earth Science and Technology





11:30-11:50	The impact topography on Asian summer monsoon rainfall	Kaiming Hu	Institute of Atmospheric Physics
11:50-12:10	Dynamical Mechanisms of East Asian Heatwaves	Myong-In Lee	Ulsan National Institute of Science and Technology
12:10-14:00	Lunch		
December 19 Session II:		Session Chair: <i>TBD</i>	
14:00-14:20	Record-breaking Extreme events over Asia: Attribution and Projection Plateau future warming	Tianjun Zhou	Institute of Atmospheric Physics
14:20-14:40	Cold-season atmospheric conditions associated with sudden changes in PM10 concentration over Seoul, Korea	Yong-Sang Choi	Ewha Womans University
14:40-15:00	The observations of nitrogen dioxide (NO <sub>2</sub> ) in Japan from Satellite (TROPOMI) and Ground instruments (Pandora, CAPS-NO <sub>2</sub> )	Hao Xu	National Institute for Environmental Studies, Japan
15:00-15:20	Impacts and Risks of Climate Change on Yields of Major Grain Crops in China, Japan and Korea	Jieming Chou	Beijing Normal University
15:20-15:40	Internal variability determining a slow and fast increase of East Asian surface temperature in the near future	Sang-Wook Yeh	Hanyang University
15:40-16:00	The Aftermath of COVID-19 Pandemic in Northeast Asia: Hindsight, Insight, and Foresight	Joon Kim	Seoul National University
16:00-16:30	Tea break		
16:30-18:00	Poster Session & Working Group Roundtable Meeting		
18:00-20:00	Dinner		





13项目  
中日韩  
13 PROJECT

December 20<sup>th</sup>, 2023 (Wednesday)

Time	Title	Presenter	Affiliation
December 20 Session I:			Session Chair: <i>TBD</i>
8:30-8:50	Deep Ocean Warming-induced irreversible climate changes	Jong-Seong KUG	POSTECH
8:50-9:10	Effect of global warming on genesis and dissipation of tropical cyclones using high-resolution CEESM simulations	Jung-Eun CHU	City University of Hong Kong
9:10-9:30	<i>TBD</i>	Naiming Yuan	Sun Yat-sen University
9:30-9:50	Migratory cyclone activity in springtime East Asia	Satoru Okajima	The University of Tokyo
9:50-10:10	Critical climate issues towards carbon neutrality targets	Gang Huang	Institute of Atmospheric Physics
10:10-10:40	Tea break		
December 20 Session II			Session Chair: <i>TBD</i>
10:40-11:00	Slowing down of the summer Southern Hemisphere Annular Mode trend against the background of ozone recovery	Fei Zheng	Sun Yat-sen University
11:00-11:20	The role of convections over Western Pacific on the unprecedented 2021 North American heatwave	Peiqiang Xu	Institute of Atmospheric Physics
11:20-11:40	Comparison of summertime drought or flood events over Yangtze River Valley under triple-dip La Niña background during	Shaobo Qiao	Sun Yat-sen University
11:40-12:00	Land-Use Land Cover Change impacts on future carbon sequestration by terrestrial ecosystems in East Asia	Jin-Soo Kim	City University of Hong Kong
12:00-14:00	Lunch & Break		





13项目  
中日韩  
13 PROJECT

December 20 Session III:		Session Chair: <i>TBD</i>	
14:00-14:20	Attribution of the extreme 2022 summer drought along the Yangtze River Valley in China	Lixia Zhang	Institute of Atmospheric Physics
14:20-14:40	Mechanism of the wintertime subseasonal surface air temperature variability over Eurasia	Weina Guan	Institute of Atmospheric Physics
14:40-15:00	Study on the influence of climate change on exceptional dust storm in North China	Huzhi Yuan	Sun Yat-sen University
15:00-15:20	Increasing precipitation variability on daily-to-multiyear time scales in a warmer world	Wenxia Zhang	Institute of Atmospheric Physics
15:20-15:40	Recent global high resolution model activities	Tomoki Miyakawa	The University of Tokyo
15:40-16:00	Seasonality of ENSO impacts on PNA and the associated climate impacts over East Asia	Suqiong Hu	Nanjing University of Information and Science Technology
16:00-16:20	Tea break		
December 20 Session IV:		Session Chair: <i>TBD</i>	
16:20-16:40	Interpreting precipitation $\delta^{18}O$ over eastern China for the Asian summer monsoon during the last millennium	Wenmin Man	Institute of Atmospheric Physics
16:40-17:00	Correcting Climate Model Sea Surface Temperature Simulations with Generative Adversarial Networks: Climatology, Interannual Variability, and Extremes	Ya Wang	Institute of Atmospheric Physics
17:00-17:20	Recent activities of Future Earth in Korea	Soonchang Yoon	Seoul National University
17:20-17:40	Evaluation on large ensemble oriented climate prediction	Xiaolong Chen	Institute of Atmospheric Physics
17:40-18:00	Temperature variations over the Tibetan Plateau in the last millennium from a modeling perspective	Meng Zuo	Chinese Academy of Meteorological Sciences
Closing Ceremony			

