Nov 18 (Day1)

7:30-9:00 Registration

	Hall	Room 101	Room 102	Room 201	Room 202
9:00-9:15	Welcome Tetsuya Takemi (President, MSJ)				
	ACM plenary session				
9:15-10:15	Yukari Takayabu (MSJ) Precipitation characteristics and Environments: Heavy Rainfalls observed from TRMM & GPM				
	Kyung-Ja Ha (KMS) Dynamics and characteristics of climatic extremes over East Asia				
	Huijun Wang (CMS) Traditional Meuyu has been suspended by global warming				

10:15-10:45 Coffee break

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: Climate dynamics and prediction	Aerosols and atmospheric environment under changing climate	Asian monsoons and extreme weather
10:45-12:00		Ayako Abe-Ouchi (University of Tokyo) Millennial scale climate variability and its dependence on background glacial climate condition simulated in MIROC AOGCM	Jong-Seong Kug (Seoul National University) Forthcoming tipping point of Atlantic meridional overturning circulation collapse with carbon stabilization	Mizuo Kajino (Meteorological Research Institute, JMA) Impact of post monsoon crop residue burning on PM2.5 over North India: Optimizing emissions using a high-density in situ surface observation network	Yongyun Hu (Peking University) Emergence of the modern global monsoon from the Pangaea megamonsoon set by palaeogeography
		Ning Cao (Guangdong Ocean University) Multi-centennial climate variability on the Tibetan Plateau during the late Holocene	Kazuki Kondo (University of Tokyo) Internal ocean response to a tropical cyclone in an high-resolution atmosphere-ocean coupled model	Chune Shi (Anhui Institute of Meteorological Sciences) Numerical simulations of the effects of mountainous terrain on PM2.5 pollution in winter of Anhui Province, China	Zhen Liu (The Hong Kong University of Science and Technology) Impact of Asian aerosols on the summer monsoon strongly modulated by regional precipitation biases
		Shangrong Zhou (Sun Yat-sen University) Dryland hydroclimatic response to large tropical volcanic eruptions during the last millennium	Ko Tsuchida (University of Tokyo) Can the enhanced Earth's energy imbalance (EEI) in 2023 be captured by CMIP6 models?	Daisuke Goto (National Institute for Environmental Studies) Global aerosol-climate simulations on 14 km grid spacing	Lu Dong (Ocean University of China) Improved simulation of East Asian summer monsoon in the high-resolution CESM1 and its causes
		Sam Sherriff-Tadano (University of the Ryukyus) Southern Ocean surface temperatures and cloud biases in climate models connected to the representation of glacial deep ocean circulation	Fei Liu (Sun Yat-sen University) Opportunities and barriers for skillful sub-seasonal prediction of East Asian summer precipitation	Kei Tomisawa (Kyushu University/Fukuoka Institute of Health and Environmental Sciences) Development of an ultra-high resolution aerosol model SCALE-SPRINTARS	Yanyan Huang (Nanjing University of Information Science and Technology) Skillful seasonal prediction of Afro-Asian summer monsoon precipitation with a merged machine learning and large ensemble approach
		Yongkun Xie (Lanzhou University) Oceanic repeaters boost the global climatic impact of the Tibetan Plateau	Yutaro Nirasawa (University of Tokyo) Improving northward propagation of the monsoon trough fluctuation through air-sea interaction	Ying Cai (Chiba University) Detectability of the potential climate change effect on transboundary air pollution pathways in the downwind area of China	Alexia Karwat (Pusan National University) Seasonal to multi-year predictability and prediction of atatistics of marine and terrestrial heat waves

12:00-13:30 Lunch break — Social event (Room 101)

13:30-15:00 Poster session Day1 (Lobby) — Social event (Room 101, continued)
- No.1-46@Lobby

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: Climate projections	Aerosols and atmospheric environment under changing climate	Asian monsoons and extreme weather
15:00-16:15		Shoshiro Minobe (Hokkaido University) Exceptional climate in 2023-24: Beyond the new normal	Tianjun Zhou (Institute of Atmospheric Physics, Chinese Academy of Sciences) How does climate sensitivity affect the projection of summer precipitation over the Tibetan Plateau	Xiaole Pan (Institute of Atmospheric Physics, Chinese Academy of Sciences) Shipborne observations of atmospheric black carbon aerosol from Antarctica to the Arctic	Zhen-Qiang Zhou (Fudan University) Role of ocean-atmosphere interaction in Intraseasonal and interannual variability of summer rainfall over the Indo–Northwest Pacific
		Chunlei Liu (Guangdong Ocean University) Energy flow in the Earth system	Zhaoyi Ren (Nagoya University) Study on impacts of Arctic warming on aerosols and ice nucleation of clouds in the Arctic	Yiran Peng (Tsinghua University) Simulation of aerosol impacts on a continental mixed-phase convective precipitation event: Analysis of microphysical influence pathways	Toru Sakamoto (Niigata University) Understanding of the climatological intraseasonal oscillation mechanisms in the Indian Ocean
		Meng Wei (First Institute of Oceanography, MNR) Revisiting the existence of the global warming slowdown during the early 21st century	Zhenhao Xu (Institute of Atmospheric Physics, Chinese Academy of Sciences) Irreversibility of winter precipitation over the northeastern Pacific and western North America against CO2 forcing	Syuichi Itahashi (Kyushu University) Transboundary tropospheric ozone detected by drone measurement and simulated by air quality modeling: Intensive campaign at Fukue Island, Japan in May 2024	Guiwan Chen (Institute of Atmospheric Physics, Chinese Academy of Sciences) Impacts of the Madden-Julian Oscillation on the flash drought occurrence over the Lancang-Mekong river basin
		withdraw	Hye-Yeong Chun (Yonsei University) Contributions of resolved equatorial waves and parameterized gravity waves to the QBO period in a future climate of CESM2	withdraw	Wogu Zhong (Fudan University) Forecasting East Asian winter temperature via subseasonal predictable mode analysis
		Ravinadrasana Phynodocle Vecchia (Pusan National University) "Day zero drought": Emergence of unprecedented hydrological compound extremes due to anthropogenic global warming	June-Yi Lee (Pusan National University) Future changes in atmospheric rivers and the associated extreme rainfall in response to greenhouse warming	Fubin Li (Tsinghua University) Surface dust extinction climatology in major global source regions from 2007 to 2017 revealed by multi-source observations	Tingting Han (Nanjing University of Information, Science and Technology) Enhanced Influence of Late-winter Arctic Oscillation on Early-spring Temperature in North and Northeast Asia

16:15-16:45 Coffee break

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: ENSO and teleconnections	Aerosols and atmospheric environment under changing climate	Asian monsoons and extreme weather
16:45-18:00		Tonghua Wu (Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences) Climatic changes in Mongolia and their impacts on permafrost	Shaobo Qiao (Sun Yat-sen University) Recent change in ENSO's impacts on the summertime circumglobal teleconnection and mid-latitude extremes	Changyu Li (Lanzhou University) Heatwaves in Hong Kong and its influences on rainfall and pollution	Song Yang (Sun Yat-sen University) Impact of ENSO on the Southeast Asian Summer monsoon: Coupled atmospheric-oceanic dynamical processes
		Gyuseok Yi (Pusan National University) Future mesoscale horizontal stirring in polar oceans intensified by sea-ice decline	Takashi Kawamura (University of Tokyo) Modulations of the northern annular mode in a warmer climate linked to ENSO teleconnection	Yuki Asano (University of Tsukuba) Improving wind and thermal environment reproducibility of large eddy simulations using windward vertical wind profile observations	Wataru Moteki (University of Tsukuba) The relationship between atmospheric rivers and the Rossby wave train associated with Asian jet over Eurasia during summer
		Keiichi Hashimoto (University of Tokyo) The land components control the ENSO representation in the Earth System Model MIROC-ES2L	Yu Kosaka (University of Tokyo) Recent Walker circulation strengthening driven by sea surface temperature changes outside the tropics	Kandambige Thisara Lakshan Sathsara (University of Tsukuba) Evaluating the accuracy of the WRF model using high-resolution LULC data during heat waves in Colombo	Chaofan Li (Institute of Atmospheric Physics, Chinese Academy of Sciences) Profound interdecadal variability of the summer precipitation over the upper reaches of the Yangtze River Basin
		Lingaona Zhu (Fudan University) To what extent can the ozone valley over the Tibetan Plateau influence the East Asian summer precipitation?	Chang-Hyun Park (Seoul National University) Subseasonal variability of ENSO–East Asia teleconnections driven by tropical convection: Role of the Indian Ocean and maritime continent	Angela Monina Ticobay Magnaye (University of Tsukuba) Assessing the Impact of Urbanization on Extreme Heat Events in Metro Manila Using WRF-UCM	Zhangqun Li (Institute of Atmospheric Physics, Chinese Academy of Sciences) Impact of extremely warm Tibetan Plateau in spring on the rare rainfall anomaly pattern in the regions west and east to Plateau in late summer 2022
		Natsuki Watanabe (University of Tokyo) Hysteresis in permafrost response to increase and decrease of CO2 emissions	Discussion of Day 1	Tatsuki Kudoh (University of Tsukuba) Which do the beneficial local winds of Japan "Obonai-dashi" bring warmth or coolness?	Vinh Binh Nguyen (University of Tsukuba) Attribution of rainfall to synoptic weather patterns using structural self-organizing map (S-SOM)

	Hall	Room 101	Room 102	Room 201	Room 202
18:00-20:00	Reception				

Nov 19 (Day2)

	Hall	Room 101	Room 102	Room 201	Room 202
	A3 Foresight plenary session				
9:15-10:15	Naiming Yuan (Sun Yat-sen University) On the complexity of climate system: From complexity science to climate research applications Soon-Il An (Yonsei University) Hysteresis of Earth climate system under increasing and decreasing greenhouse gases Hisashi Nakamura (University of Tokyo) A record-setting heatwave over Japan in 2023: Contribution of teleconnections and an unprecedented marine heatwave				

10:15-10:45 Coffee break

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: Recent weather extremes	Data assimilation and numerical model development	Asian monsoons and extreme weather
10:45-12:00		Hai Wang (Ocean University of China) Atmosphere teleconnections from abatement of aerosol emissions exacerbate Northeast Pacific extreme ocean warming	withdraw	Nagio Hirota (National Institute for Environmental Studies) Development of MIROC7	Satoru Yoshida (Meteorological Research Institute, JMA) Observation of slant structure of a moist low-level jet using water vapor Raman lidars, Doppler lidars, and radiosondes during the rainy season in Japan
		Jian Shi (Ocean University of China) Northeast Pacific warm blobs sustained via extratropical atmospheric teleconnections	withdraw	Eun-Hee Lee (Korea Institute of Atmospheric Prediction Systems) Current status and plans of next-generation NWP modelling at KIAPS	Yuna Kano (University of Tsukuba) Characteristics of water vapor transport and atmospheric disturbance during heavy rainfall in Sanyo, western Japan
		Fukai Liu (Ocean University of China) Human-induced intensified seasonal cycle of sea surface temperature	Shuai Hu (Institute of Atmospheric Physics, Chinese Academy of Sciences) Extreme dry advection dominates the record-breaking Yangtze River heatwave in midsummer of 2022	Hyun-Cheol Shin (Korea Meteorological Administration) Development of KMA multi-model ensemble prediction system	Yanjun Qi (Chinese Academy of Meteorological Sciences) Large-scale background and maintenance mechanism of the extreme rainfall in summer 2020 over East Asian
		Jun Ying (Second Institute of Oceanography, Ministry of Natural Resources) Emergent constraint on the projected tropical Pacific sea surface temperature warming pattern by the tropical North Atlantic cold SST bias	Chiharu Takahashi (University of Tokyo) New method for rapid and quantitative estimation of the impact of anthropogenic climate change on the probability of extreme weather events in Japan	Wenjun Liang (Sun Yat-sen University) An introduction to the Synthesis Community Integrated Model Version 2 (SYCIM2.0) and its simulation on the East Asian summer monsoon	Novvria Sagita (Kyoto University) Investigation of environmental conditions of thunderstorm regions in Indonesia
		Calvin Sandi (Kyoto University) Sea level anomaly in Southeast Asia: Response to meteorological forces and extreme sea levels	Myong-In Lee (Ulsan National Institute of Science and Technology) Compound impacts from concurrent large-scale atmospheric teleconnections on the 2018 record-breaking heatwave in South Korea	Kazumasa Ueno (University of Tokyo) A Quantum Algorithm for Cloud Collision-Coalescence Calculation	Rei Ueyama (NASA Ames Research Center) Convective transport to the upper troposphere and lower stratosphere over the Asian summer monsoon as observed during the 2022 ACCLIP airborne campaign

12:00-13:30 Lunch break

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: Coastal or regional environment	Data assimilation and numerical model development	Climatic role of the middle atmosphere
13:30-14:45		Chuan-Yang Wang (Ocean University of China) Enhanced mid-to-late summer precipitation over mid-latitude East Asia under global warming	Jonghun Kam (Pohang University of Science and Technology) Compensating effects between anthropogenic greenhouse gases and aerosols on the 2022 central Andes spring drought	Zhaohui Lin (Institute of Atmospheric Physics, Chinese Academy of Sciences) Development and preliminary validation of a land surface image assimilation system based on the Common Land Model	withdraw
		Zhicong Yin (Nanjing University of Information Science and Technology) The enhanced subseasonal variability of Arctic sea-ice-air system and its impacts on spring sandstorms in northern China	Zhangcai Qin (Sun Yat-sen University) Coastal and island ecosystem carbon balance responding to changing land-use and climate	KhanhHung Mai (Vietnam National Centre for Hydro-Meteorological Forecasting) Improving severe storm ensemble prediction by considering uncertainties in model physics	Hiroto Sekido (University of Tokyo) Common excitation and/or amplification mechanisms of Rossby and Rossby-gravity normal modes revealed by long-term reanalysis data for the whole middle atmosphere
		Bo Sun (Nanjing University of Information Science and Technology) Dynamic control of the dominant modes of interannual variability of snowfall frequency in China	Kazuo Saito (University of Tokyo) Development of a very short-range forecast of precipitation system in Vietnam	Rezky Yunita (Indonesian Agency for Meteorology, Climatology, and Geophysics) Comparative analysis of InaCAWO and InaNWP models for weather prediction in Indonesia	Eiji Tokimori (University of Tokyo) A statistical study of gravity waves in the troposphere and lower stratosphere in the Antarctic based on the PANSY radar observations
		Qian Wu (Fudan university) Changes in three types of extreme Mei-yu under global warming	Xia Qu (Institute of Atmospheric Physics, Chinese Academy of Sciences) Carbon dioxide removal-induced global surface temperature response and associate impacts on regional monsoon	Muhamad Rifki Taufik (Indonesian Agency for Meteorology, Climatology, and Geophysics) Improving weather forecast using machine learning approaches for post processing NWP model	Ryo Hayakawa (Hokkaido University) Zonal asymmetry of the Quasi-Biennial Oscillation
		Xiaoning Liu (Lanzhou University) Physical mechanism of winter temperature multidecadal variations in arid central Asia: The role of the Atlantic multidecadal oscillation (AMO)	Youichi Kamae (University of Tsukuba) Southerly wind and rapid sea-ice reductions along the Hokkaido coast in the Sea of Okhotsk	Shunsuke Hoshino (Meteorological Research Institute, JMA) Predictability verification of quasi-stationary linear mesoscale convective systems considering the double penalty problem using the method for object-based evaluation (MODE)	Kensuke Sasaki (University of Tokyo) A study of long-period fluctuations of atmospheric angular momentum and its mechanism

14:45-15:15 Coffee break

	Hall	Room 101	Room 102	Room 201	Room 202
		Climate change from global to regional scales	A3 Foresight session: Climatic role of the middle atmosphere	Data assimilation and numerical model development	Advancements in climate dynamics
15:15-16:30		Xichen Li (Institute of Atmospheric Physics, Chinese Academy of Sciences) Interaction between regional Hadley circulation and El Niño events	Kaoru Sato (University of Tokyo) Characteristics of the mesospheric Quasi-Biennial Oscillation revealed by 19 years of reanalysis data covering the entire middle atmosphere	Yuya Baba (Japan Agency for Marine-Earth Science and technology) Seasonal prediction of atmospheric river in North Pacific using a seasonal prediction system	Yuhei Takaya (Meteorological Research Institute, JMA) A sub-monthly timescale causality between snow cover and surface air temperature in the Northern Hemisphere inferred by Liang–Kleeman information flow analysis
		Jun Hiraiwa (University of Tokyo) A simple theory of the zonal SST gradient change in the tropical Pacific in response to greenhouse warming	Joowan Kim (Kongju National University) The relationship between TTL ozone and stratospheric water vapor: Insights from CCMI models	withdraw	Ganeshi Naresh Govind (University of Tokyo) Prominent impacts of snow–hydrological processes on near-surface temperature variability over Western Siberia
		Li Tao (Nanjing University of Information Science and Technology) Sensitive regions of global warming, ENSO and Arctic oscillation affecting on snow cover and their relative contributions	Seok-Woo Son (Seoul National University) Downward coupling mechanism of sudden stratospheric warming: A mass flux perspective	Zikun Ren (Institute of Atmospheric Physics, Chinese Academy of Sciences) Understanding the alleviation of "double-ITCZ" bias in CMIP6 models from the perspective of atmospheric energy balance	Ke Fan (Sun Yat-sen University) Intraseasonal variation of winter climate in China and climate prediction
		Dehai Luo (Institute of Atmospheric Physics, Chinese Academy of Sciences) A nonlinear multi-scale interaction theory of atmospheric blocking: Potential vorticity gradient as a bridge from climate change to weather extremes	Shingo Watanabe (Japan Agency for Marine-Earth Science and technology) An attempt to estimate the source of UTLS turbulence using JMA mesoscale analysis - A case study of ACCLIP typhoon flights	Abhinav Rajalakshmi Subrahmanian (Pusan National University) The role of external and internal processes to the predictability of Atlantic multidecadal variability in a changing climate	Mari Muto (Ochanomizu University) Effects of the tropics-midlatitude boundary and the jet stream variability on spring rainfall in Japan
		Xiaolong Chen (Institute of Atmospheric Physics, Chinese Academy of Sciences) Transient climate response uncertainty dominates future projection of western North Pacific subtropical high in CMIP6	Discussion of Day 2	Takuya Inoue (Meteorological Research Institute, JMA) Development of a precipitation downscaling method with deep learning for numerical weather prediction outputs	withdraw

16:30-18:30 Poster session Day2 (Lobby P047-P092, Hall P093-P172)

Nov 20 (Day3)

	Hall	Room 101	Room 102	Room 201	Room 202
	Tropical cyclones and other disturbances	Climate change impacts on ecology and society over Northeast Asia	A3 Foresight session: Aerosols, clouds, and precipitation	Data assimilation and numerical model development / Observations	Advancements in climate dynamics
9:00-10:15	Wataru Yanase (Meteorological Research Institute, JMA) Idealized numerical experiments on tropical cyclones undergoing extratropical transition	Hideo Shiogama (National Institute for Environmental Studies) Two crucial issues in impact assessment studies using the CMIP6 ensemble: Hot models and SSP3-7.0	Hitoshi Matsui (Nagoya University) Global simulations of black carbon and its radiative effect: The role of microphysical properties and processes	Gang Fu (Ocean University of China) Observational perspectives of “millipede clouds” over the global oceans from 2012 to 2021	Takahito Kataoka (Japan Agency for Marine-Earth Science and Technology) Impacts of precipitation anomaly on the ENSO development
	Jie Jiang (Fudan University) The roles of moat width and outer eyewall contraction in affecting the timescale of eyewall replacement cycle	Lingbo Xue (University of Tsukuba) A novel downscaling approach for urban climate: Land-surface-physics-based downscaling	Yong-Sang Choi (Ewha Womans University) Factors determining tropical upper-level cloud radiative effect in the radiative-convective equilibrium framework	Fangjian Zhang (Nanjing Joint Institute for Atmospheric Sciences) ImB2BPM: A novel AI-based technique for quantitative estimation of heavy rainfall	withdraw
	Duofan Zheng (Sun Yat-sen University) Typhoon statistics in Northeast Asia using variable resolution CAM-SE	Natsuki Chiba (Tokyo University of Science) Effects of sensible heat transfer modelings and urban geometry on the urban surface heat balance	Yange Deng (National Institute for Environmental Studies) Black carbon aerosol measurements in the western Arctic Ocean: Summer and autumn 2016–2020	Jielan Xie (Shantou University) Tower-observed structural evolution of the low-level boundary layer before, during, and after gust front passage in a coastal area at low latitude	Taro Higuchi (University of Tokyo) A study on the global atmosphere ocean circulation and surface environment in the Cretaceous with MIROC4m AOVGCM
	Yohei Yamada (Japan Agency for Marine-Earth Science and Technology) Evaluation of relationship between tropical cyclone activity and tropical cyclone-related rainfall over the vicinity of Japan area by using a large ensemble simulation	Kazuki Kondo (Utsunomiya University) The effect of rainfall intensification on soil erosion	Kei Kawai (Nagoya University) Modeling research on the emission, transport, and ice nucleation processes of Arctic dust	Asahi Kawaura (Tokyo University of Science) Numerical sensitivity experiments on sea breeze fronts by different sensible heat transport modeling in urban canopy models	Masatake Hori (University of Tokyo) Changing role of horizontal moisture advection in the lower troposphere under extreme Arctic Amplification using a large ensemble climate simulation dataset
	Weihua Fang (Beijing Normal University) Generation of stochastic typhoon events for Northwest Pacific basin for catastrophe risk modeling	Kumiko Takata (Azabu University) Impacts of climate change on ecosystems through phenology: the emergence dates of Barn Swallows (Hirundo rustica) and their preys	Wenmin Man (Institute of Atmpospheric Physics, Chinese Academy of Sciences) Moisture sources and climatic controls of precipitation stable isotopes over the Tibetan Plateau in water-tagging simulations	Min Min (Sun Yat-sen University) Strong storms characteristics at the pre-convection stage observed by satellite microwave sounder	Yongqing Guo (Zhejiang Ocean University) Interannual variability of isopycnal ocean heat content in the subtropical Northeast Pacific

10:15-10:45 Coffee Break

	Hall	Room 101	Room 102	Room 201	Room 202
	Tropical cyclones and other disturbances	Regional climate change	A3 Foresight session: Sustainability and climate solutions	Observations	Advancements in climate dynamics
10:45-12:00	Dongxiao Wang (Sun Yat-sen University) The decadal variation of eastward-moving tropical cyclones in the South China Sea during 1980–2020	Xuejie Gao (Institute of Atmospheric Physics, Chinese Academy of Sciences) Climate change projections over high latitudes northern Asia using a regional climate model	Yuanmeng Li (Beijing Normal University) Research on the potential of photovoltaic power generation and carbon emission reduction effects in Asian countries	Yaoming Ma (Institute of Tibetan Plateau Research, Chinese Academy of Sciences) Comprehensive observational study of land-atmospheric interaction over the Tibetan Plateau	Han-Ching Chen (Nanjing University of Information Science and Technology) The mechanism of boreal summer SSTA phase-locking in the far eastern Pacific
	Yanping Shi (South China Sea Institute of Oceanology, Chinese Academy of Sciences) ENSO modulating tropical cyclone geneses in fall and winter seasons over the South China Sea	withdraw	Gang Huang (Institute of Atmospheric Physics, Chinese Academy of Sciences) Assessment and dynamics of drought changes under carbon neutrality	Zhou Libo (Institute of Atmospheric Physics, Chinese Academy of Sciences) Observational studies on the land-air exchange processes over the Tibetan mountain	Tsubasa Kohyama (Ochanomizu University) A possible air-sea coupled system formed by the Pacific decadal variability and the northern annular mode
	Paul Adigun (University of Tsukuba) Tropical cyclone potential intensity response to upper tropospheric cooling in high-resolution CMIP6 simulation	Hiroaki Kawase (Meteorological Research Institute, JMA) Evaluation of historical global warming on Japan's heavy snowfall in 2021/22 using high-resolution large ensemble experiments	Rui Sun (Shandong Electric Power Engineering Consulting Institute Corp., Ltd.) Developing clean rnergy: A viable path to address climate change	Takenari Kinoshita (Japan Agency for Marine-Earth Science and Technology) A study of wave activity in middle and upper stratosphere obtained from high-altitude radiosonde observations	Chen Sheng (Institute of Atmospheric Physics, Chinese Academy of Sciences) Linkage between the tropical SST forcings and the surface air temperature over mid-high latitudes of Eurasia during boreal spring: a new perspective of potential vorticity circulation
	Takeshi Doi (Japan Agency for Marine-Earth Science and Technology) Seasonal predictability of tropical cyclone frequency over the western North Pacific by a large-ensemble climate model	Shun-ichi Watanabe (Meteorological Research Institute, JMA) Impacts of climate change on the quasi-stationary band-shaped precipitation systems, “Senjo-Kousuitai”	Joon Kim (Seoul National University) Current insights in sustainability science: Society-policy implications	withdraw	Leishan Jiang (Nanjing University of Information Science and Technology) Diverse response of western North Pacific anticyclone to fast-decay El Niño during decaying summer
	Wansuo Duan (Institute of Atmospheric Physics, Chinese Academy of Sciences) A new approach to represent model uncertainty in the forecasting of tropical cyclones: The orthogonal nonlinear forcing singular vectors	Jie Wang (Lanzhou University) Developing a lateral terrestrial water flow scheme to improve the representation of land surface hydrological processes in the Noah-MP of WRF-Hydro	Discussion of Day 3	Ying Gong (Institute of Atmosphere Environment) Microphysical characteristics of rainfall caused by the Northeast China cold vortex (NCCV) based on disdrometer observations	Susmit Subhransu Satpathy (Pusan National University) Internal variability driven accelerated weakening of the global atmospheric angular momentum

Photo session

	Hall	Room 101	Room 102	Room 201	Room 202
12:00-12:30	Closing				