The 4th Asian Conference on Meteorology (ACM) 2024
jointly organized with
The 3rd Workshop on the A3 Foresight Program

November 18 (Mon) – 20 (Wed), 2024

Tsukuba, Ibaraki, Japan

Tsukuba International Congress Center (EPOCHAL TSUKUBA)

A3 Foresight Program
日中韓フォーサイト事業

Last update: 28 November 2024 (includes only actually delivered presentations)

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History and Objectives

The Meteorological Society of Japan (MSJ), Chinese Meteorological Society (CMS), and Korean Meteorological Society (KMS) have been organizing a joint conference on meteorology since 2005. The purpose of the joint conference is to enhance the development of atmospheric science, promote international academic exchange, organize regional activities in the field of meteorology and create an academic exchange platform for meteorological societies of China, Korea and Japan. It is also intended to enhance the friendship among the meteorologists of the three countries.

After the sixth conference held in China in 2013, the three societies agreed on continuing the activity titled *the Asian Conference on Meteorology (ACM)*, which could involve researchers outside of the three countries. The first ACM was held in Kyoto, Japan in October 2015, followed by the second conference in Busan, Korea in October 2017, and the third virtual conference organized by China in November 2022. This year, the fourth ACM will take place in person from November 18 to 20, 2024 in Tsukuba, Japan.

This conference is jointly organized by the A3 Foresight Program "Networking Climate Change Research Hubs for Promoting Future Earth Over Northeast Asia", which was launched in August 2022. The A3 Foresight Program is supported by Japan Society for the Promotion of Science (JSPS), National Research Foundation of Korea (NRF), and National Natural Science Foundation of China (NSFC) with the aim of advancing leading-edge research on climate change relevant to the scope of Future Earth, and establishing a regional research hub in Asia. This conference also serves as the third workshop of the A3 Foresight Program.

This conference focuses on the scientific subjects of atmospheric and climate science including the focus of A3 Foresight. The organizing committee deeply appreciates all the applications from the three meteorological societies, the A3 Foresight members, and many scientists from Asian countries. It is expected to welcome 399 participants to the conference, with 331 presentations (as of November 17, 2024), which is the largest number ever in ACM history! The fourth ACM will include a reception dinner and a social event for early career researchers and students, as well as the plenary sessions and scientific sessions. This will be a great opportunity to expand your networks for future collaborations in meteorological research and related fields, contributing to the sustainable future of the Earth.

The organizing committee eagerly anticipates the presence of all attendees in Tsukuba, Japan.

Conference Overview

— Conference Details

Title	The 4th Asian Conference on Meteorology (ACM) 2024 jointly organized with The 3rd Workshop on the A3 Foresight Program
Website	https://ccsr.aori.u-tokyo.ac.jp/~acm2024/index.html
Date	November 18 (Mon) – 20 (Wed), 2024
Venue	Tsukuba International Congress Center (EPOCHAL TSUKUBA) Address: 2-20-3 Takezono, Tsukuba City, Ibaraki Prefecture 305-0032, Japan https://www.epochal.or.jp/en/
Check-in	Nov 17 (Sun) 15:00–18:00 & Nov 18 (Mon) 7:30–9:00 at the Entrance Hall and anytime during the conference at the Entrance Hall *We strongly recommend completing check-in in the afternoon of Nov 17 to avoid the expected crowds at the check-in desk from 8:00 to 9:00 AM on Day 1. *Please note that some ACM2024 novelty items may be available on a “first-come, first-served” basis.
Fees	Free of charge for the submission, registration, check-in, and the Day1 reception and social event
Agenda	https://ccsr.aori.u-tokyo.ac.jp/~acm2024/agenda.html
Contact	acm2024-info@aori.u-tokyo.ac.jp

— Conference Schedule

The overall schedule is attached on the following page.
It is also accessible online at the website: https://ccsr.aori.u-tokyo.ac.jp/~acm2024/agenda.html

— Plenary Speakers

- Prof. Yukari Takayabu, from MSJ
- Prof. Kyung-Ja Ha, from KMS
- Prof. Huijun Wang, from CMS
- Prof. Hisashi Nakamura, from A3-Foresight (Japan)
- Prof. Soon-Il An, from A3-Foresight (South Korea)
- Prof. Naiming Yuan, from A3-Foresight (China)

— Distinguished Ogura Lecture by Dr. Clara Deser (November 15, 9:30-11:00)

You are welcomed to attend a Distinguished Ogura Lecture by Dr. Clara Deser (NCAR) during the MSJ Fall meeting at the same venue free of charge. You may also attend an associated session on “Dynamical understanding of climate system variability and change” in the afternoon.
For more information, please visit the following link: https://www.metsoc.jp/en/2024/07/02/35947
The PDF flyer: https://ccsr.aori.u-tokyo.ac.jp/~acm2024/pdf/4th_ogura_lecture_flyer_eng.v3.pdf

Lunch,
Social event*

	11/17 Sun.	11/18 Mon.	11/18 Mon.	11/18 Mon.	11/18 Mon.	11/18 Mon.	11/18 Mon.	11/18 Mon.
			AM1	AM2	PM0	PM1	PM2	PM3
	15:00~18:00	7:30~9:00	9:00~10:15	10:45~12:00	13:30~15:00	15:00~16:15	16:45~18:00	18:00~20:00
Room 101	Registration	Registration	X	Climate change from global to regional scales	(Social event for early career researchers and students)*	Climate change from global to regional scales	Climate change from global to regional scales	X
Room 102			X	A3 Foresight Climate dynamics and prediction	X	A3 Foresight Climate projections	A3 Foresight ENSO and teleconnections	X
Room 201			X	Aerosols and atmospheric environment under changing climate	X	Aerosols and atmospheric environment under changing climate	Aerosols and atmospheric environment under changing climate	X
Room 202			X	Asian monsoons and extreme weather	X	Asian monsoons and extreme weather	Asian monsoons and extreme weather	X
Hall			ACM plenary session	X	X			Reception
Lobby		(Poster preparation)			Poster session P001-P046			

*Details for the 'Social Event for Early Career Researchers and Students' on Day 1 will be shared before the conference.
Snacks and soft drinks will be provided, and no pre-registration is required. Attendance is free, so we encourage you to join!

Lunch

Photo session

	11/19 Tue.	11/19 Tue.	11/19 Tue.	11/19 Tue.	11/19 Tue.	11/20 Wed.	11/20 Wed.	11/20 Wed.
	AM1	AM2	PM0	PM1	PM2	AM1	AM2	PM0
	9:15~10:15	10:45~12:00	13:30~14:45	15:15~16:30	16:30~18:30	9:00~10:15	10:45~12:00	12:00~12:30
Room 101	X	Climate change from global to regional scales	Climate change from global to regional scales	Climate change from global to regional scales	X	Climate change impacts on ecology and society over Northeast Asia	Regional climate change	X
Room 102	X	A3 Foresight Recent weather extremes	A3 Foresight Coastal or regional environment	A3 Foresight Climatic role of middle atmosphere	X	A3 Foresight Aerosols, cloud, and precipitation	A3 Foresight Sustainability and climate solutions	X
Room 201	X	Data assimilation and numerical model development	Data assimilation and numerical model development	Data assimilation and numerical model development	X	Data assimilation and numerical model development / Observations	Observations	X
Room 202	X	Asian monsoons and extreme weather	Climatic role of the middle atmosphere	Advancements in climate dynamics	X	Advancements in climate dynamics	Advancements in climate dynamics	X
Hall	A3 Foresight plenary session	X	(Poster preparation)		Poster session	Tropical cyclones and other disturbances	Tropical cyclones and other disturbances	Closing
Lobby			(Poster preparation)		Poster session P047-P092			

Organized by

Meteorological Society of Japan (MSJ)
Korean Meteorological Society (KMS)
Chinese Meteorological Society (CMS)

Hosted by

Local Organizing Committee (LOC) of
Asian Conference on Meteorology (ACM), MSJ
and A3 Foresight Program, JSPS

Funded by

Japan Society for the Promotion of Science (JSPS)
National Research Foundation of Korea (NRF)
National Natural Science Foundation of China (NSFC)

— International Organizing Committee (IOC)

MSJ Meteorological Society of Japan
Prof. Tetsuya Takemi, Kyoto University
Prof. Masahiro Watanabe, The University of Tokyo
Prof. Toshihiko Takemura, Kyushu University

KMS Korean Meteorological Society
Prof. Seon-Ki Park, Ewha Womans University
Prof. June-Yi Lee, Pusan National University
Prof. Dong-Hyun Cha, Ulsan National Institute of Science and Technology

CMS Chinese Meteorological Society
Prof. Yongyun Hu, Peking University
Prof. Jing Li, Peking University
Mr. Wenquan Liu, General Secretariat of CMS

— Local Organizing Committee (LOC)

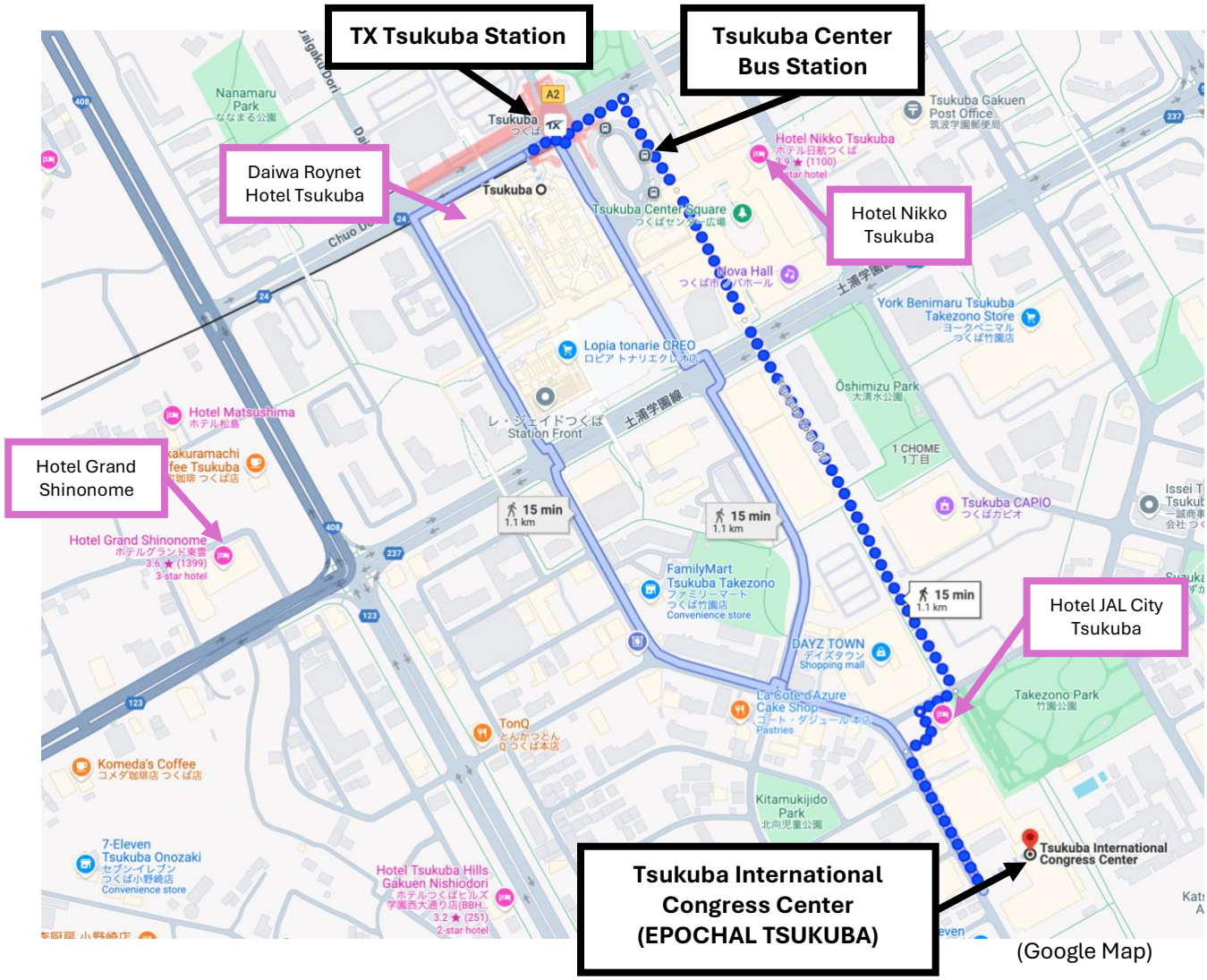
Prof. Masahiro Watanabe, The University of Tokyo
Prof. Yukiko Imada, The University of Tokyo
Dr. Michiya Hayashi, National Institute for Environmental Studies
Dr. Yoko Yamagami, Japan Agency for Marine Earth Science and Technology
Prof. Toshihiko Takemura, Kyushu University
Dr. Izuru Takayabu
Prof. Yu Kosaka, The University of Tokyo
Prof. Tomoki Miyakawa, The University of Tokyo
Prof. Hitoshi Matsui, Nagoya University
Dr. Satoru Okajima, The University of Tokyo
Dr. Shion Sekizawa, Meteorological Research Institute, Japan Meteorological Agency
Dr. Kohma Masashi, The University of Tokyo

Venue Guide

— Getting to Tsukuba International Congress Center (EPOCHAL TSUKUBA)

From Tsukuba Express (abbr. TX) Tsukuba Station or Tsukuba Center Bus Station

It is about 10 min walk from TX Tsukuba Station A3 Exit or Tsukuba Center Bus Station to the Tsukuba International Congress Center (EPOCHAL TSUKUBA).



(Google Map)

— Transportations to Tsukuba Express (abbr. TX) Tsukuba Station or Tsukuba Center

Visit the website for more information: https://ccsr.aori.u-tokyo.ac.jp/~acm2024/venue.html

From Narita International Airport to Tsukuba Center

By Express Bus

Narita Airport → Tsukuba Center Bus Station
Approx. 70 min / Fare: 2,400JPY

- Terminal 1 Bus Stop #8
- Terminal 2 Bus Stop #10
- Terminal 3 Bus Stop #11

*Please purchase a ticket from a bus ticket counter at Narita Airport on the 1st floor at each terminal before boarding the bus.
Learn more at the Narita Airport website: https://www.narita-airport.jp/en/access/bus/

By taxi

Approx. 50–110 min / Fare: 23,000–28,000JPY

From Haneda International Airport to Tsukuba Center

By Express Bus

Haneda Airport → Tsukuba Center Bus Station
Approx. 120 min / Fare: 2,000JPY

- Terminal 1 Bus Stop #12
- Terminal 2 Bus Stop #13
- Terminal 3 Bus Stop #9

Ticket: Please purchase a ticket from a ticket machine or from a bus ticket counter at Haneda Airport before boarding the bus.
Learn more at the Haneda Airport website: https://tokyo-haneda.com/en/access/bus/index.html

By Taxi

Approx. 90–180 min / Fare: 33,000–36,000JPY

From TX Akihabara Station to TX Tsukuba Station

By Train (TX for Tsukuba)

TX Akihabara Station → TX Tsukuba Station (45 or 57 min*, Fare: 1,210JPY)
*Rapid train for Tsukuba (45 min) or Semi-rapid train for Tsukuba (57 min)

From Tokyo Station and Ueno Station to Akihabara Station

By Train (JR Keihin Tohoku Line or Yamanote Line for Ueno)

- Tokyo Station → Akihabara Station (4 min, Fare: 150JPY)
- Ueno Station → Akihabara Station (3 min, Fare: 150JPY)

From Ueno Station to TX Tsukuba Station

By Train (JR Joban Line for Tsuchiura and TX for Tsukuba)

Ueno Station → Kita-senju Station (10 min, Fare: 180JPY)
Transit from JR train to TX at Kita-senju Station (4 min by walk)
TX Kita-senju Station → TX Tsukuba Station (35 or 42 min*, Fare: 1,050JPY)
*Rapid train for Tsukuba (35 min) or Semi-rapid train for Tsukuba (42 min)

From Tokyo Station to Tsukuba Center

By Express Bus (Kantetsu Kanko Bus for University of Tsukuba)

Tokyo Station Yaesu South Exit, Bus Stop #2 → Tsukuba Center Bus Station
Approx. 90 min / Fare: 1,260JPY
Ticket: Please purchase a ticket from a ticket machine at the Yaesu South Exit of JR Tokyo Station before boarding the bus.

— Accommodations and Local Information

No hotel rooms have been reserved for participants. Please make your own reservations.

Recommended Accommodations

The Hotel JAL City Tsukuba is directly connected to Tsukuba International Congress Center (EPOCHAL TSUKUBA).

The Daiwa Roynet Hotel TSUKUBA (1 min walk from Tsukuba Station A5 Exit),
The Hotel Nikko Tsukuba (2 min walk from Tsukuba Station A3 Exit), and
The Hotel Grand Shinonome (8 min walk from Tsukuba Station A5 Exit)
are about 10 min walk from Tsukuba International Congress Center (EPOCHAL TSUKUBA), and close to Tsukuba Station.

Tourist Attractions

Tsukuba (so-called Tsukuba Science City) is home to 300 of national and other research and educational institutions, playing the role of a hub for scientific research in Japan.

The following brochure of Tsukuba Tourist Guide may help you find tourist attractions in Tsukuba: Tsukuba Tourist Guide
https://ttca.jp/ttca21/wp-content/uploads/2022/12/TSUKUBAMEGURI.pdf

For more information on accommodations and tourist attractions, please visit the website of Tsukuba Tourism and Convention Association (https://ttca.jp/)*
*Google Translate is available. At the top of the side menu, there are national flag icons. Please click on the flag icon of your choice.

Two excursions on November 16 and 20 (free of charge) are provided by the Tsukuba International Congress Center. The application is now closed as the capacity has been reached. Please refer to the email titled “ACM2024: Excursion information (free of charge, first-come-first-served)” for details.

Local Climate

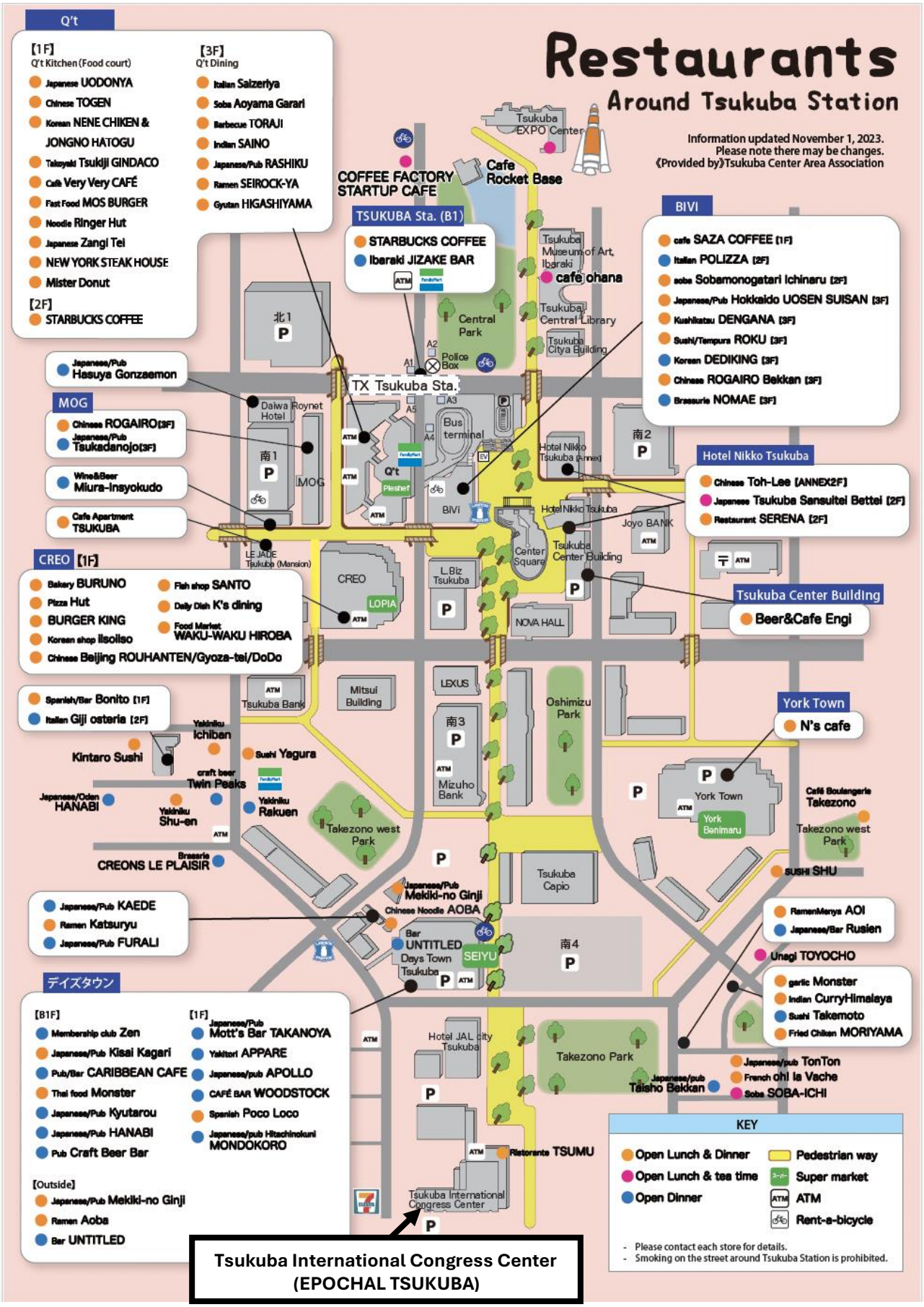
Usually, November is a good time to see the leaves change in Tsukuba with generally nice and temperate weather. Daily mean temperature in November is 10 Celsius, with daily maximum temperature 16 Celsius, and minimum temperature 5 Celsius.

Visit the JMA website for the weather forecasts and observations at Tsukuba city!
https://www.jma.go.jp/bosai/#pattern=forecast&area_type=class20s&area_code=0822000

Electricity

The standard voltage in Japan is 100 volts. The outlet has two flat parallel holes, and is the same type used in North America (electrical plug type A). Always check the power supply before using your equipment.

— Restaurants around Tsukuba Station (Click here: English / Japanese)



Presentation Guideline

— For Plenary Speakers

- Each presentation has a length of 20 minutes, with no time allocated for Q&A.
- Please prepare your own presentation file with a PPT (.ppt, .pptx) or PDF (.pdf) format.
- Please copy your presentation files to the PC provided at the session venue before the session starts. You can use the USB memory sticks provided by LOC.
- The recommended slide size is 16:9.

— For Oral Presentations

- Each presentation has a length of 13 minutes, including time for Q&A.
- Please prepare your own presentation file with a PPT (.ppt, .pptx) or PDF (.pdf) format.
- Please copy your presentation files to the PC provided at the session venue before the session starts. You can use the USB memory sticks provided by LOC.
- The recommended slide size is 16:9.

— For Poster Presentations

- There is no printing service at the venue, so please bring your printed poster.
- The recommended poster layout is the portrait A0 format, 84.1 cm (width) x 118.9 cm (height). Poster dimensions should not exceed the panel size, 90 cm (width) x 210 cm (height).
- Find your poster number in the **Conference Program** and please make sure to set your poster during the designated poster preparation time before your poster session starts (see the conference schedule in the **Conference Overview**).
- Attach your poster to the panel where your poster number is indicated using the provided push pins (adhesive tape or duct tape is not allowed).

Conference Program and Chair list

*** This updated program includes only the presentations that were actually delivered.**

The program is also available online at the following link:
https://ccsr.aori.u-tokyo.ac.jp/~acm2024/agenda.html

*The session chairs have been assigned and also announced online.

	Hall	Room 101	Room 102	Room 201	Room 202

Nov 18

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)	Ko Tsuchida (University of Tokyo)	Daisuke Goto (National Institute for Environmental Studies)	Lu Dong (Ocean University of China)

	Hall	Room 101	Room 102	Room 201	Room 202
		Dryland hydroclimatic response to large tropical volcanic eruptions during the last millennium	Can the enhanced Earth's energy imbalance (EEI) in 2023 be captured by CMIP6 models?	Global aerosol-climate simulations on 14 km grid spacing	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)
- No.1-46@Lobby — Social event (Room 101, continued)

	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

	Hall	Room 101	Room 102	Room 201	Room 202
		No-show	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)	Takashi Kawamura (University of Tokyo)	Yuki Asano (University of Tsukuba)	Wataru Moteki (University of Tsukuba)

	Hall	Room 101	Room 102	Room 201	Room 202
		Future mesoscale horizontal stirring in polar oceans intensified by sea-ice decline	Modulations of the northern annular mode in a warmer climate linked to ENSO teleconnection	Improving wind and thermal environment reproducibility of large eddy simulations using windward vertical wind profile observations	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)				

	Hall	Room 101	Room 102	Room 201	Room 202
	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)	Chiharu Takahashi (University of Tokyo)		Novvria Sagita (Kyoto University)

	Hall	Room 101	Room 102	Room 201	Room 202
		Emergent constraint on the projected tropical Pacific sea surface temperature warming pattern by the tropical North Atlantic cold SST bias	New method for rapid and quantitative estimation of the impact of anthropogenic climate change on the probability of extreme weather events in Japan	withdraw	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)	Kazuo Saito (University of Tokyo)	Rezky Yunita (Indonesian Agency for Meteorology, Climatology, and Geophysics)	Eiji Tokimori (University of Tokyo)

	Hall	Room 101	Room 102	Room 201	Room 202
		Dynamic control of the dominant modes of interannual variability of snowfall frequency in China	Development of a very short-range forecast of precipitation system in Vietnam	Comparative analysis of InaCAWO and InaNWP models for weather prediction in Indonesia	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		withdraw	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

	Hall	Room 101	Room 102	Room 201	Room 202
		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)	Lingbo Xue (University of Tsukuba)	Yong-Sang Choi (Ewha Womans University)	Fangjian Zhang (Nanjing Joint Institute for Atmospheric Sciences)	

	Hall	Room 101	Room 102	Room 201	Room 202
	The roles of moat width and outer eyewall contraction in affecting the timescale of eyewall replacement cycle	A novel downscaling approach for urban climate: Land-surface-physics-based downscaling	Factors determining tropical upper-level cloud radiative effect in the radiative-convective equilibrium framework	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
	No-show	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	No-show	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

	Hall	Room 101	Room 102	Room 201	Room 202
	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	No-show	Tsubasa Kohyama (Ochanomizu University) A possible air-sea coupled system formed by the Pacific decadal variability and the northern annular mode
	No-show	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				

	No.	Name	Affiliation	Title	Session
Day1	P001	Takuro Aizawa	National Institute of Polar Research	Contributions of anthropogenic aerosol forcing and multidecadal internal variability to mid-20th century Arctic cooling—CMIP6/DAMIP multimodel analysis	Aerosols and atmospheric environment under changing climate
13:30-15:00	P002	Chenghai Wang	Lanzhou University	A mechanism of heavy rainfall in Taklimakan Desert	Asian monsoons and extreme weather
Lobby	P003	Huopo Chen	Institute of Atmospheric Physics, Chinese Academy of Sciences	Changes in compound hot extremes over the mid–high latitudes of Asia and the underlying mechanisms	Asian monsoons and extreme weather
	P004			No-show	
	P005	Kaiqing Yang	Chengdu University of Information Technology	The Asian-Pacific oscillation over the past millennium in PMIP3 and PMIP4	Asian monsoons and extreme weather
	P006	Kenta Sueki	Meteorological Research Institute, JMA	Numerical experiments on a localized heavy rainfall caused by a quasi-stationary convective line in Kochi, Japan in 2022: Sensitivity experiments on topography and surface roughness of Shikoku island	Asian monsoons and extreme weather
	P007	Kosuke Ono	Meteorological Research Institute, JMA	Feasibility study on improving deterministic forecasts for severe weather by the JMA's regional EPS	Asian monsoons and extreme weather
	P008	Kuranoshin Kato	Okayama University	On the seasonal background for the temporarily strong cold air intrusion around Japan at the "wintertime pressure pattern" in early winter: A case study for 1983/84 winter	Asian monsoons and extreme weather
	P009	Qingquan Li	National Climate Centre, CMA	A study of peak-summer heatwaves in the Yangtze–Huaihe River Basin of China	Asian monsoons and extreme weather
	P010	Qoosaku Moteki	Japan Agency for Marine-Earth Science and Technology	Vertical structure of the cross-equatorial northerly surge observed during the Year of Maritime Continent–Cold Surge Observation in 2021	Asian monsoons and extreme weather
	P011	Rongjun Ma	Northwest University	Effects of a vertical cloud condensation nuclei concentration explosion in an idealized hailstorm simulation	Asian monsoons and extreme weather
	P012	Tomoki Miyakawa	Universtiy of Tokyo	Co-creating the future of Coupled Model Intercomparison Project (CMIP)	Asian monsoons and extreme weather
	P013	Ya Gao	Institute of Atmospheric Physics, Chinese Academy of Sciences	Effect of interdecadal variation in southern Indian Ocean SST on the relationship between ENSO and summer precipitation in the Asian-Pacific monsoon region	Asian monsoons and extreme weather
	P014	Ying Zhang	Institute of Atmospheric Physics, Chinese Academy of Sciences	Predictions of record-breaking hot August in 2022 by C3S seasonal forecast systems	Asian monsoons and extreme weather
	P015	Zhigang Wei	Beijing Normal University	Future changes in various cold surges over China in CMIP6 projections	Asian monsoons and extreme weather
	P016	Akira Hasegawa	University of Tokyo	Impact of air-sea coupling on event attribution for the 2015 equatorial Asia drought	Climate change from global to regional scales
	P017	Hirokazu Endo	Meteorological Research Institute, JMA	Influence of Eurasian continent warming on projected uncertainty in East Asian summer monsoon precipitation	Climate change from global to regional scales
	P018	Jing Liu	Ocean University of China	Combined effect of El Niño-Southern Oscillation and Pacific Decadal Oscillation on the North Pacific Central Mode Water	Climate change from global to regional scales
	P019	Kunihiko Kodera	Kyoto University	Role of deep ascending branch in the Hadley circulation and penetrating clouds in recent trends in tropospheric boreal summer	Climate change from global to regional scales
	P020	Lixiao Xu	Ocean University of China	Poleward shift of the North Pacific subtropical fronts in recent decades	Climate change from global to regional scales
	P021	Qin Hu	Chengdu University of Information Technology	Spatial-temporal evaluation and future projection of diurnal temperature range over the Tibetan Plateau in CMIP6 models	Climate change from global to regional scales
	P022	Shoji Kusunoki	Meteorological Research Institute, JMA	Future changes in rainy season over East Asia projected by massive ensemble simulations with a high-resolution global atmospheric model	Climate change from global to regional scales
	P023	Tomoaki Ose	Meteorological Research Institute, JMA	Emergence of future sea-level pressure patterns in recent summertime East Asia	Climate change from global to regional scales
	P024	Tosiyuki Nakaegawa	Meteorological Research Institute, JMA	How will annual maximum daily precipitation in Tropics under a changing climate change using an AGCM with high horizontal resolution?	Climate change from global to regional scales
	P025	Xiaodan Guan	Lanzhou University	Climate effect from decadal modulated oscillation	Climate change from global to regional scales
	P026	Xue Yi	Institute of Atmospheric Environment, CMA	Impact of fractional vegetation coverage increase on air temperature change in Liaoning Province	Climate change from global to regional scales
	P027			No-show	
	P028	Yasutaka Wakazuki	Ibaraki University	Response of precipitation to global warming in heavy rain events	Climate change from global to regional scales
	P029	Ying Xu	National Climate Centre, CMA	The differences of global extreme climate events changes in 1.5℃ warming and cooled to 1.5℃ warming level	Climate change from global to regional scales
	P030			No-show	

No.	Name	Affiliation	Title	Session
P031	Yuanhai Fu	Institute of Atmospheric Physics, Chinese Academy of Sciences	Projected increase in probability of East Asian heavy rainy summer in the 21st century	Climate change from global to regional scales
P032			No-show	
P033			No-show	
P034	Hiroaki Naoe	Meteorological Research Institute, JMA	Teleconnections of the quasi-biennial oscillation in multi-model QBOi-ENSO simulations	Climatic role of the middle atmosphere
P035	Akihiro Hashimoto	Meteorological Research Institute, JMA	Numerical simulations of mountain topography effects on characteristics of snow particles	Data assimilation and numerical model development
P036			No-show	
P037			No-show	
P038			No-show	
P039	Jing Liu	Institute of Desert Meteorology, CMA	Comparative analysis of precipitable water vapour data in the Tarim Basin, China	Observations
P040	Lianmei Yang	Institute of Desert Meteorology, CMA	Raindrop size distribution characteristics of two short-term heavy precipitation processes in Western Tianshan, China	Observations
P041	Xiaomeng Li	Institute of Desert Meteorology, CMA	Analysis of convective and stratiform precipitation characteristics in Xinjiang, China based on GPM dual-frequency precipitation radar	Observations
P042	Yong Zeng	Institute of Desert Meteorology, CMA	Seasonal variation of microphysical characteristics for different rainfall types in the Tianshan Mountains of China	Observations
P043			No-show	
P044	Kazuo Saito	University of Tokyo	Effect of northward ageostrophic winds associated with a tropical cyclone on PRE rainfall enhancement	Tropical cyclones and other disturbances
P045	Nawo Eguchi	Kyushu University	Possible influence of the stratospheric QBO on tropical cyclone activities over Mozambique Strait	Tropical cyclones and other disturbances
P046			No-show	

Day2

16:30-18:30

Lobby

P047	Ayumu Miyamoto	Scripps Institution of Oceanography, University of California San Diego	Low cloud-SST variability over the summertime subtropical Northeast Pacific: Role of extratropical atmospheric modes	Advancements in climate dynamics
P048			No-show	
P049	Jiang Ke	Nanjing University of Information Science and Technology	Evaluating and understanding the influence of tropical Indian and Atlantic Oceans on ENSO prediction	Advancements in climate dynamics
P050	Morio Nakayama	University of Tokyo	Modulations of storm-track activity and transient eddy structure associated with the baroclinic annular mode in the Southern Hemisphere	Advancements in climate dynamics
P051	Peishan Chen	Institute of Atmospheric Physics, Chinese Academy of Sciences	Equatorial waves related to the atmospheric convection variability over the western North Pacific	Advancements in climate dynamics
P052	Ryo Satoh	University of Tokyo	Changes in atmospheric meridional teleconnection patterns over the wintertime North Pacific under different sea surface conditions	Advancements in climate dynamics
P053	Satoru Okajima	University of Tokyo	Mechanisms for a spring peak in East Asian cyclone activity	Advancements in climate dynamics
P054	Shion Sekizawa	Meteorological Research Institute, JMA	Australian monsoon modulates the eastward propagation, amplitude and teleconnection of the MJO	Advancements in climate dynamics
P055			No-show	
P056	Yongkun Xie	Lanzhou University	A potential vorticity budget view of the atmospheric circulation climatology over the Tibetan Plateau	Advancements in climate dynamics
P057	Zhanqiu Gong	Hokkaido University	Understanding intraseasonal propagating oscillation in air temperature and its association with heatwaves over Eurasia during boreal summer	Advancements in climate dynamics
P058	Akira Yamada	University of Tokyo	Analysis on stratocumulus clouds in mid-latitudes based on in-situ observations over the western North Pacific in the summer of 2022	Aerosols and atmospheric environment under changing climate
P059	Gen Matsumoto	University of Tsukuba	Evaluation of heat environment on artificial turf grounds	Aerosols and atmospheric environment under changing climate
P060	Hao Deng	Sun Yat-sen University	Increasing contribution to TP BC aerosols from South Asia under future emission reduction	Aerosols and atmospheric environment under changing climate
P061	Hirotaka Abe	University of Tsukuba	The climatological features and three-dimensional structure of local winds "Rokko-oroshi" in Japan	Aerosols and atmospheric environment under changing climate

No.	Name	Affiliation	Title	Session
P062	Kazumasa Sengoku	University of Tsukuba	Various structures of the cold-air damming in the Kanto Plain based on the surface wind field	Aerosols and atmospheric environment under changing climate
P063	Keito Itani	University of Tsukuba	Characteristics of the local wind "Watakushi-kaze" in Uwajima City, Ehime Prefecture	Aerosols and atmospheric environment under changing climate
P064	Michiya Hayashi	National Institute for Environmental Studies	Revealing the future emission scenario dependence of precipitation changes across Japan in NIES2020 and CMIP6	Aerosols and atmospheric environment under changing climate
P065	Pang Bo	University of Tsukuba	Predictability of atmosphere low visibility events using ML-based algorithm	Aerosols and atmospheric environment under changing climate
P066	Risako Fujino	Keio University	Quantifying aerosol wet scavenging using observational data and meteorology-chemistry model	Aerosols and atmospheric environment under changing climate
P067	Ryo Takabatake	University of Tsukuba	Creation of local climate zone maps for Japanese cities	Aerosols and atmospheric environment under changing climate
P068	Sharifah Faridah Binti Syed Mahbar	University of Tsukuba	Synergy between urban heat island and heat waves: The Greater Kuala Lumpur, Malaysia	Aerosols and atmospheric environment under changing climate
P069	Shun Hasebe	University of Tsukuba	The impact of urbanization on precipitation in Ho Chi Minh City, Vietnam	Aerosols and atmospheric environment under changing climate
P070			No-show	
P071	Tetsuya Ohno	University of Tsukuba	Study on local winds “Suttsu-dashi” climatological and case study	Aerosols and atmospheric environment under changing climate
P072	Yuki Aota	University of Tsukuba	Impact of urban areas on convective precipitation in the Kinki region	Aerosols and atmospheric environment under changing climate
P073	Ami Kondo	Kyushu University	Influence of Japanese mountains on the structure of explosive cyclones	Asian monsoons and extreme weather
P074	Arya Vazhaparambil Sasi	Pusan National University	Prediction of intraseasonal oscillation using an AI-based auto-regressive global weather forecasting model	Asian monsoons and extreme weather
P075	Bingqian Zhou	Lanzhou University	The extreme heat wave in China in August 2022 related to extreme northward movement of the eastern center of SAH	Asian monsoons and extreme weather
P076	Dong Chen	Earth System Modeling and Prediction Centre, CMA	Effects of spring Arctic sea ice on summer drought in the middle and high latitudes of Asia	Asian monsoons and extreme weather
P077	Dong Chen	Sun Yat-sen University	Contribution of anthropogenic influence to the 2022-like Yangtze River valley compound heatwave and drought event	Asian monsoons and extreme weather
P078			No-show	
P079	Jaka Anugrah Ivanda Paski	Tohoku University	Utilizing weather radar images and numerical model for analyzing of heavy rainfall event in West Sumatera on 28th August 2023	Asian monsoons and extreme weather
P080	Kaixi Wang	Sun Yat-sen University	Anthropogenic influences on the extremely dry and hot summer of 2020 in Southern China	Asian monsoons and extreme weather
P081	Kent Kumeta	Keio University	Variations in ETD circulation and polar cold air mass	Asian monsoons and extreme weather
P082	Kexin Gui	Institute of Atmospheric Physics, Chinese Academy of Sciences	Land-atmosphere coupling amplified the record-breaking heatwave at altitudes above 5000 meters on the Tibetan Plateau in July 2022	Asian monsoons and extreme weather
P083	Kunihiko Kodera	Kyoto University	Role of very deep tropical convection in severe weather conditions in August 2002 through modulation of the Tibetan High	Asian monsoons and extreme weather
P084			No-show	
P085	Ling Tong	Kyoto University	Convective activity and environmental conditions of a heavy rainfall event in the lower reaches of Yangtze–Huai River Valley	Asian monsoons and extreme weather
P086	Lucia Mumo	Pusan National University	Increased human population exposure to unprecedented extreme precipitation events at 1.5, 2.0, and 2.5°C global warming levels under NEX-CMIP6	Asian monsoons and extreme weather
P087	Muhammad Aslam Mohd Safari	Universiti Putra Malaysia/Meteorological Research Institute	Analysis of extreme precipitation using the integrated BM-POT approach	Asian monsoons and extreme weather
P088	Ning Zhao	Japan Agency for Marine-Earth Science and Technology	A heavy rainfall event over Java Island during the field campaign of YMC-CSO in 2021	Asian monsoons and extreme weather
P089	Oyuki Gissel Jara Orrego	University of Tsukuba	Polarimetric radar analysis of a convective region that brought hail in the squall line in Kanto region	Asian monsoons and extreme weather

	No.	Name	Affiliation	Title	Session
	P090	Shen-Ming Fu	Institute of Atmospheric Physics, Chinese Academy of Sciences	Increasing risks of the explosive extratropical cyclones over the North Atlantic storm track: A perspective from their surface wind maxima	Asian monsoons and extreme weather
	P091	Shijie Tang	Institute of Atmospheric Physics, Chinese Academy of Sciences	Moisture sources for the unprecedented precipitation event in the heart of Taklimakan desert	Asian monsoons and extreme weather
	P092	Shunnosuke Nakai	University of Tokyo	The effect of vertical wind shear on quasi-stationary band-shaped precipitation systems	Asian monsoons and extreme weather
Day2	P093	Ting You	Huafeng Meteorological Media Group, CMA	Understanding and forecasting extreme wind events: A case study of the Beijing May 30, 2024 wind event	Asian monsoons and extreme weather
16:30-18:30	P094	Wogu Zhong	Fudan University	Subseasonal strength reversal of the East Asian winter monsoon	Asian monsoons and extreme weather
Hall	P095	Yang Jie	Sun Yat-sen University	Factors contributing to the delayed onset of the South China Sea summer monsoon in CMIP6 models	Asian monsoons and extreme weather
	P096	Yoko Yamagami	Japan Agency for Marine-Earth Science and Technology	Impacts of oceanic mesoscale structures on the Indian summer monsoon and the eastern Mediterranean summer climate	Asian monsoons and extreme weather
	P097	Yueqi Zhou	Institute of Atmospheric Physics, Chinese Academy of Sciences	Convection-permitting modeling of record-breaking 2020 East Asian summer monsoon rainfall	Asian monsoons and extreme weather
	P098	Yuki Maeda	University of Tokyo	Deep learning for boreal summer intraseasonal oscillation (BSISO) prediction and exploration of predictability sources	Asian monsoons and extreme weather
	P099	Yusuke Yamada	University of Tsukuba	Water vapor transport and extreme precipitation over Japan by straight-moving typhoons over the Northwest Pacific Ocean	Asian monsoons and extreme weather
	P100			No-show	
	P101			No-show	
	P102	Chenyu Cao	Lanzhou University	The sensitivity of extreme high temperaure to climate change in Northern mid-latitudes	Climate change from global to regional scales
	P103	Danwei Qian	Nanjing University of Information Science and Technology	Decadal variations in the summer precipitation over Eastern China associated with spring Arctic sea ice	Climate change from global to regional scales
	P104	Donaldi S. Permana	Indonesian Agency for Meteorology, Climatology, and Geophysics	Projected future rainfall changes in Java Island, Indonesia based on bias-corrected high resolution CORDEX Southeast Asia	Climate change from global to regional scales
	P105	Fumiaki Ogawa	University of Tokyo	Driver of the recent decadal surface warming trend over northeastern Canada and Greenland	Climate change from global to regional scales
	P106	Hanzhao Yu	Institute of Atmospheric Physics, Chinese Academy of Sciences	Indian summer monsoon precipitation dominates the reproduction of Circumglobal teleconnection pattern: A comparison of CMIP5 and CMIP6 models	Climate change from global to regional scales
	P107	Jun-Young Park	Pusan National University	Future sea level projection derived by the Greenland & Antarctic ice sheets using a coupled climate-ice sheet model	Climate change from global to regional scales
	P108	Kharisma Aprilina	Indonesian Agency for Meteorology, Climatology, and Geophysics	Climate trend analysis of clustered areas of Java Island, Indonesia (1987-2017) using Mann-Kendall, and Pettitt test methods	Climate change from global to regional scales
	P109	Lanyu Jia	Zhejiang Ocean University	Contrasting the impacts of two types of El Niño on early winter precipitation in South China	Climate change from global to regional scales
	P110			withdraw	
	P111	Mao Takikawa	Mie University	Why is summer in Japan becoming longer?	Climate change from global to regional scales
	P112	Myeong-Hyeon Kim	Pusan National University	Intensification of the Antarctic slope current due to freshwater forcing in a warmer climate	Climate change from global to regional scales
	P113	Rongyun Pan	Institute of Atmospheric Physics, Chinese Academy of Sciences	Land-atmosphere feedbacks enhances the frequency and persistence of compound hot and dry events under global warming	Climate change from global to regional scales
	P114	Sachio Nakagawa	University of Tokyo	Analysis of factors contributing to the differences between Pliocene and present-day climates using an atmosphere-ocean-vegetation coupled model	Climate change from global to regional scales
	P115	Shiori Yoshida	Ochanomizu University	A study of the impact of different types of El Nino events on the weather in Japan for the purpose of climate reconstruction from old diaries	Climate change from global to regional scales
	P116	Sicheng He	Kyoto University	Future changes of extreme precipitation and related atmospheric conditions in East Asia under global warming projected in large ensemble climate prediction data	Climate change from global to regional scales
	P117	Siyu Zhou	Nanjing University of Information Science and Technology	Distinct interannual variability and physical mechanisms of snowfall frequency over the Eurasian Continent during autumn and winter	Climate change from global to regional scales
	P118	Susmit Subhransu Satpathy	IBS Center for Climate Physics, Pusan National University	Atmospheric regime state changes associated with the forced response and internal variability over the North Atlantic	Climate change from global to regional scales

No.	Name	Affiliation	Title	Session
P119	Tianli Xie	Fudan University	Sea ice reduction in the Barents-Kara Sea enhances June precipitation in the Yangtze River basin	Climate change from global to regional scales
P120	Tsuyoshi Nozue	University of Tokyo	Relationship between regional heavy rainfall in Japan and interannual to decadal variability in the Pacific Ocean	Climate change from global to regional scales
P121	Utanosuke Hiraga	Mie University	The influence of autumn tropical Atlantic convection, independent of sea surface temperature, on winter Arctic sea-ice variability through teleconnections	Climate change from global to regional scales
P122	Wanling Li	Nanjing University of Information Science and Technology	Anthropogenic impact on the severity of compound extreme high temperature and drought/rain events in China	Climate change from global to regional scales
P123	Xiaoling Wu	Institute of Atmospheric Physics, Chinese Academy of Sciences	Intra-seasonal variations of dust activity over East Asia in spring 2023 and their mechanisms	Climate change from global to regional scales
P124	Xinyue Wang	Sun Yat-sen University	Historical volcanic eruptions slowed down rapid decline in Arctic sea ice linked to global warming	Climate change from global to regional scales
P125			No-show	
P126	Yibin Huang	Fudan University	The sensitivity and predictbility of tropical teleconnections on the Amundsen Sea Low in a deep-learning weather forecast model	Climate change from global to regional scales
P127			No-show	
P128	Yongqing Guo	Zhejiang Ocean University	Rapid warming of the Pacific during 2013–2020: Identification and spatial-temporal characteristics	Climate change from global to regional scales
P129	Yuxun Li	Lanzhou University	Atlantic Multidecadal Oscillation modulates the relationship between North Pacific Oscillation and winter precipitation in North China Plain	Climate change from global to regional scales
P130	Zhiping Tian	Institute of Atmospheric Physics, Chinese Academy of Sciences	Enhanced seasonality of surface air temperature over China during the mid-Holocene	Climate change from global to regional scales
P131	Zi-Wen Han	Ocean University of China	Intermodel uncertainty in response of the Indo-Pacific Walker Circulation to global warming	Climate change from global to regional scales
P132	Haofeng Jin	Beijing Normal University	Impacts of extreme climate conditions on main grain yields in China, Japan and Republic of Korea	Climate change impacts on ecology and society over Northeast Asia
P133	Hwa-Yeon Kang	Seoul National University	Long-term trends in bird migration phenology in Northeast Asia, with a case of Jindo Island, South Korea	Climate change impacts on ecology and society over Northeast Asia
P134			No-show	
P135	Lifeng Wang	Sun Yat-sen University	Climate impacts on vegetation resilience in China: The role of variability	Climate change impacts on ecology and society over Northeast Asia
P136			withdraw	
P137	Xueyu Bai	Sun Yat-sen University	Decarbonization and temperature regulation potentials of electrifying percentage goals of light-duty vehicle globally sales by 2030 under multi-scenario	Climate change impacts on ecology and society over Northeast Asia
P138	Binhe Luo	Beijing Normal University	Rapid summer Russian Arctic sea-ice loss enhances the risk of recent Eastern Siberian wildfires	Climatic role of the middle atmosphere
P139	Masashi Kohma	University of Tokyo	Numerical simulation of orographic gravity waves observed over Syowa Station	Climatic role of the middle atmosphere
P140	Aihisa Kamijo	University of Tokyo	A method to apply Numerical model data to AI model training from perspective of using AI model to Numerical forecasting	Data assimilation and numerical model development
P141	Fatkhuroyan	Indonesian Agency for Meteorology, Climatology, and Geophysics	Rainfall pattern analysis at new capital of Indonesia (IKN) based on INANWP numerical weather model	Data assimilation and numerical model development
P142			No-show	
P143	Han Jiao	Kyoto University	Simulation study of turbulence and pollutant dispersion over arbitrary terrain	Data assimilation and numerical model development
P144	Ieong-in Kaman Kong	RIKEN	Improving dust prediction and simulation through increasing the knowledge of dust emission and applying a data-assimilation system	Data assimilation and numerical model development
P145			No-show	
P146	Sug-Gyoung Yun	Korea Meteorological Administration	Diagnostic study of the forecast accuracy of the ensemble models at the recurvature point of the typhoon	Data assimilation and numerical model development
P147	Xiaofei Li	Northwest University	Comparing the uncertainty of an idealized hailstorm simulation with variations in Cloud Condensation Nuclei (CCN) and initial meteorological conditions	Data assimilation and numerical model development
P148			withdraw	

No.	Name	Affiliation	Title	Session
P149	Zhaoyang Chai	Institute of Atmospheric Physics, Chinese Academy of Sciences	Development of a High-altitude Atmospheric General Circulation Model at the Institute of Atmospheric Physics (IAP-HAGCM)	Data assimilation and numerical model development
P150			No-show	
P151			No-show	
P152			No-show	
P153	Kaito Masago	Kyoto University	Observations of a drainage flow event using UAVs	Observations
P154	Keisuke Nampo	Chiba University	Temporal and spatial characteristics of first radar echo observed by X-band phased array weather radar	Observations
P155			No-show	
P156	Mohamad Husein Nurrahmat	Indonesian Agency for Meteorology, Climatology, and Geophysics	Verification of wave models using in situ buoy observations in two distinct water types around Karimunjawa Island	Observations
P157	Rongjun Ma	Northwest University	Sounding data from ground-based microwave radiometers for a hailstorm case: Analyzing spatiotemporal differences and initializing an idealized model for prediction	Observations
P158	Shin Kumazawa	Tokyo University of Science	Reduction of instrumental error through improved methodology for assembling globe anemo-radiometer	Observations
P159			rescheduled	
P160	Thahir Daniel Hutapea	Indonesian Agency for Meteorology, Climatology, and Geophysics	Development on X-band weather radar using Frequency Modulated Continuous Wave (FMCW) technology	Observations
P161	Xuebing Gan	Institute of Atmospheric Physics, Chinese Academy of Sciences	Inter-comparison of multi-source remote sensing spring vegetation products over the Qinghai-Tibetan Plateau	Observations
P162			No-show	
P163			No-show	
P164	Jingjing Zhang	Lanzhou university	To improve the prediction skills of typhoon intensity by identifying target observation using particle filter assimilation method	Tropical cyclones and other disturbances
P165	Jiwei Wu	Kyushu University	Increasing WNP tropical cyclone-related extreme precipitation over East Asia during boreal summer associated with PDO shift	Tropical cyclones and other disturbances
P166	Koyo Kojima	University of Tsukuba	Assessing the applicability of ensemble forecasting for ash dispersion prediction with the PUFF model	Tropical cyclones and other disturbances
P167	Marguerite Lee	University of Tokyo	Understanding the impact an artificial cold pool has on an approaching Typhoon using the Nonhydrostatic Icosahedral Atmospheric Model (NICAM)	Tropical cyclones and other disturbances
P168			No-show	
P169	Tingyu Zhang	Institute of Atmospheric Physics, Chinese Academy of Sciences	Evaluation of tropical cyclone genesis frequency in FGOALS-g3 large ensemble: mean state and interannual variability	Tropical cyclones and other disturbances
P170	Xu Chen	University of Tokyo	NICAM simulation study of large-scale circulation underlying tropical cyclone in the Western North Pacific in September 1959	Tropical cyclones and other disturbances
P171	Yiting Zhu	Fudan University	The topographic influence on the secondary eyewall formation of Hurricane Patricia (2015)	Tropical cyclones and other disturbances
P172	Yuri Mita	Ochanomizu University	Analysis of the relationship between tornado movement and their environmental field	Tropical cyclones and other disturbances

Chair list

Nov 18 (Day1)

	Hall	Room 101	Room 102	Room 201	Room 202
AM1 (9:00-10:15)	ACM plenary session Masahiro Watanabe (University of Tokyo)				
AM2 (10:45-12:00)		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
		Shoji Kusunoki (Meteorological Research Institute, JMA)	Tomoki Miyakawa (University of Tokyo) Jonghun Kam (Pohang University of Science and Technology)	Syuichi Itahashi (Kyushu University)	Chaofan Li (Institute of Atmospheric Physics, Chinese Academy of Sciences) Akio Kitoh (Meteorological Research Institute, JMA)
PM0 (13:30-15:00)					
PM1 (15:00-16:15)		Climate change from global to regional scales	A3 Foresight session: Climate projections	Aerosols and atmospheric environment under changing climate	Asian monsoons and extreme weather
		Shoshiro Minobe (Hokkaido University)	Yu Kosaka (University of Tokyo) Wenmin Man (Institute of Atmospheric Physics, Chinese Academy of Sciences)	Daisuke Goto (National Institute for Environmental Studies) Xiaole Pan (Institute of Atmospheric Physics, Chinese Academy of Sciences)	Lu Dong (Ocean University of China) Kuranoshin Kato (Okayama University)
PM2 (16:45-18:00)		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
		Tomoaki Ose (Meteorological Research Institute, JMA)	Jong-Seong Kug (Seoul National University)	Mizuo Kajino (Meteorological Research Institute, JMA)	Qoosaku Moteki (Japan Agency for Marine-Earth Science and Technology)

Nov 19 (Day2)

	Hall	Room 101	Room 102	Room 201	Room 202
AM1 (9:15-10:15)	A3 Foresight plenary session Yukiko Imada (University of Tokyo)				
AM2 (10:45-12:00)		Climate change from global to regional scales	A3 Foresight session: Recent weather extremes	Data assimilation and numerical model development	Asian monsoons and extreme weather
		Tomoo Ogura (National Institute for Environmental Studies) Chuan-Yang Wang (Ocean University of China)	Tianjun Zhou (Institute of Atmospheric Physics, Chinese Academy of Sciences) Youichi Kamae (University of Tsukuba)	Shoji Hirahara (Meteorological Research Institute, JMA) Zhaohui Lin (Institute of Atmospheric Physics, Chinese Academy of Sciences)	Tetsu Sakai (Meteorological Research Institute, JMA)

PM0 (13:30-14:45)		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
		Hirokazu Endo (Meteorological Research Institute, JMA)	Kazuo Saito (University of Tokyo)	Yuya Baba (Japan Agency for Marine-Earth Science and technology)	Seok-Woo Son (Seoul National University) Shingo Watanabe (Japan Agency for Marine-Earth Science and technology)
PM1 (15:15-16:30)		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
		Masaki Satoh (University of Tokyo) Hai Wang (Ocean University of China)	Shaobo Qiao (Sun Yat-sen University)	Nagio Hirota (National Institute for Environmental Studies)	Yongkun Xie (Lanzhou University) Ayumu Miyamoto (Scripps Institution of Oceanography, University of California San Diego)
PM2 (16:30-18:30)	Poster session				

Nov 20 (Day3)

	Hall	Room 101	Room 102	Room 201	Room 202
AM1 (9:00-10:15)	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
	Marguerite Lee (University of Tokyo) Yanase Wataru (Meteorological Research Institute, JMA)	Hideo Shiogama (National Institute for Environmental Studies)	Hitoshi Matsui (Nagoya University)	Yaoming Ma (Institute of Tibetan Plateau Research,Chinese Academy of Sciences) Takenari Kinoshita (Japan Agency for Marine-Earth Science and technology)	Tsubasa Kohyama (Ochanomizu University)
AM2 (10:45-12:00)	Tropical cyclones and other disturbances	Regional climate change	A3 Foresight session: Sustainability and climate solutions	Observations	Advancements in climate dynamics
	Takeshi Doi (Japan Agency for Marine-Earth Science and technology)	Shunichi Watanabe (Meteorological Research Institute, JMA) Xuejie Gao (Institute of Atmospheric Physics, Chinese Academy of Sciences)	June-Yi Lee (Research Center for Climate Sciences and Department of Climate System, Pusan National University)	Takuya Kawabata (Meteorological Research Institute, JMA) Gang Fu (Ocean University of China)	Yongqing Guo (Zhejiang Ocean University) Masatake Hori (University of Tokyo)

Presentation Abstracts

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