



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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附件： 1（仅以英文提供）

主题： 关于WMO和CMA联合举办的2026年开放季风大会（2026年5月18至20日，中国上海）的邀请函

要求采取的行动： 请尽早在**2026年4月24日**前确认您是否（到场或在线）参会

尊敬的先生/女士，

我谨代表WMO，并与中国气象局（CMA）共同邀请您出席将于2026年5月18至20日在中国上海举行的2026年开放季风大会。

认识到全球季风系统的至关重要性及其对世界上大部分人口的影响，此次大会将提供一个论坛，汇集WMO会员，包括其技术委员会和区域协会（RA）附属机构的代表以及季风区相关科学和业务界的代表，讨论季风研究与服务的新兴优先事项，加强研究、观测、业务和服务提供的跨领域协调，以支持WMO战略优先事项，包括联合国全民预警（EW4All）倡议。

其概念说明见本函附件。

望贵组织能承担您的参会费用。若不能，WMO可根据请求，考虑在现有资金范围内提供资助。

关于非工作人员的保险范围，谨请您注意以下几点：

“获准由本组织出资旅行和/或从WMO领取DSA的非WMO工作人员须确保其对代表本组织公务旅行和出席会议期间因死亡、疾病或伤害发生的费用完全负责。因此，他们须全权负责为这些会议和活动期间安排人寿、健康、意外和任何其他形式的足额保险。”

WMO的责任仅限于代表本组织从事服务或出席会议，由伤害和疾病福利保险覆盖，该保险有限覆盖医疗、急诊和补充公务差旅费。”

谨请您能于**2026年4月24日**前尽早确认您是否（到场或在线）参会，以及是否需要资助。如需更多信息或说明，请随时联系WMO工作人员黎立页博士（lli@wmo.int）和/或当地组织者（aaam@cma.gov.cn）。

致： 一区协、二区协和五区协WMO会员常任代表

期待您出席本次大会。

谨上

A handwritten signature in black ink, appearing to be 'Shilist Shuro', written in a cursive style.

席列斯特·绍罗教授
秘书长

Concept Note

Open Monsoon Conference 2026
(Shanghai, China, from 18 to 20 May 2026)

1. Introduction

The global monsoon is a fundamental component of the Earth's climate system, spanning multiple regions and influencing weather and climate even beyond these regions. Given that approximately two-thirds of the world's population are directly or indirectly affected by monsoon variability and extremes, monsoon-related weather and climate services are of critical importance for early warning, disaster risk reduction (DRR), and climate change adaptation.

Improving understanding of the mechanisms driving extreme weather and climate phenomena within the global monsoon system under climate change, including the roles of natural and anthropogenic drivers, together with enhanced monitoring and prediction capabilities, is essential to support reliable forecasting and climate services.

WMO Members and their National Meteorological and Hydrological Services (NMHSs) are under increasing pressure to cope with climate change and extreme events, while also facing rapid technological advances and rising expectations for more impact-oriented, accurate, timely, and decision-relevant/actionable services. These evolving requirements place growing demands on effective and rapid coordination and integration of research, operations, and services.

The need to advance an integrated understanding and coordination of monsoon research has been validated by expert groups within the WMO scientific activities, including the Monsoon Panel under the Climate and Ocean Variability, Predictability and Change (CLIVAR)/Global Water and Energy Exchanges (GEWEX) core projects of the World Climate Research Programme (WCRP) and the Working Group on Tropical Meteorology Research (WG TMR) under the World Weather Research Programme (WWRP), together with existing regional cooperation mechanisms.

In parallel, the eighth session of the WMO International Workshop on Monsoons (IWM-8), hosted by the Indian Institute of Tropical Meteorology (IITM), was held in March 2025 in Pune, India. The event, led by the International Monsoons Project Office (IMPO) and jointly organized by WCRP and WWRP, identified a set of recommendations for both research and operational communities. These recommendations call for strengthened international coordination, improved data sharing, closer research/operations integration, and more impact-oriented monsoon forecasting and services.

Taken together, those endorsements and recommendations provide a strong foundation for monsoon research cooperation, while also highlighting the need to further strengthen integrated, cross-regional collaboration, particularly in connecting research with operations and services and wider stakeholder cooperation. It presents an opportunity to demonstrate full integration and rapid delivery of research into the United Nations Early Warnings for All (EW4All) initiative², accelerating climate services within a WMO-coordinated, Member-driven framework.

In this context, WMO, in collaboration with the China Meteorological Administration (CMA), proposes to convene an Open Monsoon Conference as a forum to bring together relevant Members, partners, and key scientific and operational communities from various regions. The Conference aims to identify shared challenges and emerging needs in global monsoon research and services, and to foster a collective effort among Members and partners to address these challenges through strengthened collaboration across research, operations, and service delivery, including in support of EW4All.

2. Objectives

- Building on the substantial body of monsoon research undertaken under WCRP and WWRP, encourage monsoon research and cooperation within a WMO-coordinated global framework, bringing together key monsoon regions to address shared challenges with clear relevance to early warning and DRR
- Enable WMO Members, the Research Board, and Regional Associations (RAs, in particular their research structures) to jointly articulate shared monsoon-related priorities and needs across research, operations, and services, and to build collective ownership and alignment through a Member-driven, multilateral process
- Promote the development of a sustainable, Member-driven model for international collaboration on monsoon research and services under WMO, with clear mechanisms for Member participation and benefits, leveraging existing WMO-supported structures and regional cooperation mechanisms, strengthening international coordination and close collaboration with ongoing WCRP and WWRP research efforts, ensuring complementarity, and reinforcing the pathway from coordinated research to operational applications and services
- Strengthen coordination among monsoon researchers, operational communities, and service users across Asian, Australian, and African regions to build an inclusive and action-oriented community prepared to engage in jointly identified priorities and collaborative initiatives
- Facilitate a collective discussion on the potential added value, scope, and alignment of an internationally coordinated science programme on the Asian, Australian, and African Monsoon (AAAM), with a view to integrating it into existing WMO-supported structures and ensuring broad Member participation

3. Expected outcomes

The Conference is expected to deliver the following:

- Academic consensus on key scientific issues of the broad monsoon, and identification of regional research priorities and cooperation directions
- Actionable recommendations on how to bridge gaps between monsoon research and operational services, including early warning and DRR, in the context of climate change and technological transformation
- Exchange of Member and partner needs, interests, and collaboration opportunities, and the encouragement of cross-regional engagement as well as the emergence of clear, sustainable, Member-driven mechanisms for cooperation on monsoon research and services under WMO
- A shared framework for coordination between WMO Members and existing academic and research communities on global and regional monsoons, clarifying roles, interfaces, and mutual benefits, and strengthening the integration of scientific research with operational priorities and service delivery

4. The Open Monsoon Conference is co-organized by the World Meteorological Organization (WMO) and the China Meteorological Administration (CMA)

5. Date, venue and format

- A three-day hybrid event from 18 to 20 May 2026 in Shanghai, China
- Working language: English
- Format: Hybrid (on-site presentations and discussions encouraged, with online zoom webinar available)

6. Proposed agenda and sessions

<p style="text-align: center;">1 half day (Monday, 18 May A.M.)</p>	<p style="text-align: center;">2 full days (Monday, 18 May P.M. to Wednesday, 20 May A.M.)</p>	<p style="text-align: center;">1 half day (Wednesday, 20 May P.M.)</p>
<p>Opening ceremony and plenary session</p> <p>Overview of WMO research priorities and key scientific challenges related to monsoon research</p>	<p>Scientific sessions</p> <p>Topics related to global monsoon variability and physical processes</p> <p>Topics related to human influences and prediction of extreme weather and climate events</p> <p>Services: Forecasting, Early Warning and DRR</p> <p>Discussion on links between monsoon research, forecasting and services</p>	<p>Member discussions and cross-regional collaboration</p> <p>Exchange of Member needs and potential collaboration opportunities</p>

7. Funding support

Potential funding may be considered upon request and depending on the availability of limited resources.

8. Scientific Steering Committee

Name	Country	Organization
Renhe Zhang	China	Fudan University
Thomas Stocker	Switzerland	University of Bern
Matthew Wheeler	Australia	Bureau of Meteorology
Zhuo Wang	United States	University of Illinois
Annalisa Cherchi	Italy	The Institute of Atmospheric Sciences and Climate, CNR-ISAC
Bin Wang	United States	University of Hawaii
Wen Chen	China	Yunnan University
Ousmane Ndiaye	Senegal	African Center of Meteorological Applications for Development
V.S. Prasad	India	National Centre for Medium Range Weather Forecasting
Jian Li	China	Chinese Academy of Meteorological Science
Suryachander Rao	India	Indian Institute of Tropical Meteorology
Qingchen Chao	China	National Climate Center of China Meteorological Administration
Oswaldo MORAES	Brazil	National Center for Monitoring and Alerting of Natural Disasters

9. Focal Points

Dr Liye Li (lili@wmo.int), Junior Professional Officer, Science, Services and Capacity Development Department (SSCD)

Mr Jun Yu (jyu@wmo.int), Regional Officer at the WMO Regional Office for Asia and the South-West Pacific (RAP)

Local organizer (aaam@cma.gov.cn)
