

**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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18 May 2026

Annex: 1 (available in English only)

Subject: Invitation to participate in the WMO Consultation on Advancing Equitable Access to Artificial Intelligence for Hydrometeorological Prediction

Action required: Registration for participation via Zoom **by 25 May 2026**

Dear Sir/Madam,

Artificial intelligence (AI) is rapidly transforming hydrometeorological prediction, creating new opportunities to strengthen forecasting and early warning systems, particularly for developing countries. At the same time, these advances raise important governance questions related to trust, authority, data stewardship and equitable access.

Building on the outcomes of the [WMO AI Conference on Weather Prediction](#) (Abu Dhabi, September 2025), and as part of the process for input to the United Nations General Assembly's Global Dialogue on AI Governance, WMO is organizing two virtual consultations on 4 June 2026, at 06:30–08:00 UTC and 14:00–15:30 UTC. The consultations will engage developing country National Meteorological and Hydrological Services (NMHSs) on how AI is reshaping hydrometeorological services and discuss governance priorities that can help ensure AI supports trusted, sustainable and public-interest outcomes. Participation will also include NMHSs engaged in AI pilots in developing countries and private-sector representatives.

I am pleased to invite you, or a designated senior representative from your NMHS, to participate in this consultation.

In preparation for the consultation, WMO will circulate an overview of the responses provided by Members through the WMO Data Collection Campaign 2025 on the use of AI and machine learning (ML), areas of application, datasets accessed, infrastructure, AI/ML expertise, barriers to adoption, ethical concerns and use of commercial AI/ML prediction products.

To confirm your participation, please register as soon as possible using the following Zoom [link](#). Additional details are provided in the attached concept note.

Please do not hesitate to contact avazcaltabiano@wmo.int or rnunez@wmo.int should you have any questions.

Yours faithfully,

Prof. Celeste Saulo
Secretary-General

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers

Consultation on Advancing Equitable Access to AI for Weather and Climate Prediction

A Governance Consultation with Developing Country NMHSs

4 June 2026 – Virtual meeting (by invitation only)

Session 1: 06:30–08:00 UTC

Session 2: 14:00–15:30 UTC

1. BACKGROUND

Artificial intelligence (AI) is increasingly reshaping weather and climate prediction and services. Emerging AI-based approaches have the potential to expand access to advanced forecasting capabilities, particularly for developing countries, by reducing computational barriers while strengthening forecasting and early warning systems. At the same time, the rapid evolution of AI is raising important governance questions related to institutional trust, authority, data stewardship, equitable access and the sustainability of public-good meteorological systems.

Recognizing these opportunities and challenges, and building on the outcomes of the WMO AI Conference on Weather Prediction (Abu Dhabi, September 2025), WMO is convening this consultation to ensure that the perspectives of developing country National Meteorological and Hydrological Services (NMHSs) are reflected in ongoing discussions on AI governance.

2. PURPOSE

The consultation will provide a dedicated platform for developing country NMHS leadership to exchange perspectives on how AI is transforming weather and climate prediction and services, and to identify governance priorities that can support equitable, trusted and sustainable integration of AI.

3. OBJECTIVES

The consultation aims to:

- (a) Examine how AI is reshaping institutional roles, authority and trust in weather and climate services;
- (b) Discuss governance implications related to the use of shared meteorological and climate data in AI systems;
- (c) Identify governance challenges and opportunities faced by developing countries, including issues of equity, access and influence;
- (d) Explore the implications of evolving public–private roles in AI-enabled weather and climate services;
- (e) Identify priority governance considerations to inform further work within WMO and broader international AI governance discussions.

4. PARTICIPANTS

Participants are expected to include:

- (a) Permanent Representatives or senior leadership of developing country NMHSs;
- (b) Representatives from relevant WMO bodies;
- (c) Selected private-sector actors active in AI-enabled weather and climate services;
- (d) Relevant United Nations and international partner organizations.

5. EXPECTED OUTCOMES

The consultation is expected to provide:

- (a) NMHS-driven perspectives on AI governance priorities;
- (b) Identification of key governance risks and opportunities for developing countries;
- (c) Input to WMO's ongoing work on AI and governance;
- (d) Contributions to broader international dialogue on AI governance relevant to weather, climate and early warning systems.

6. ADMINISTRATIVE INFORMATION

Further details regarding agenda, participation arrangements and technical access will be communicated to registered participants in due course.
