

**WMO OMM**

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
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Subject: Online training course on calibration

Dear Sir/Madam,

I am pleased to inform you that WMO has launched a new online self-paced training course on calibration of meteorological instruments.

The course aims to respond to Members' increasing demand for support in improving their capacities to calibrate measuring instruments, which is key to ensure comparability of observations within the WMO Integrated Global Observing System (WIGOS).

The course offers participants essential knowledge on the fundamentals of metrology, calibration of meteorological instruments for basic parameters and calibration procedures, including a demonstration of uncertainty budget calculation. It is publicly available through the [WMO Education and Training Programme \(ETRP\) Moodle platform](#).

The training material has been developed by the Expert Team on Quality, Traceability and Calibration (ET-QTC), under the Standing Committee on Measurements, Instrumentation and Traceability (SC-MINT) of the WMO Commission for Observation, Infrastructure and Information Systems (INFCOM).

The training is intended particularly for:

- Staff of National Meteorological and Hydrological Services (NMHSs)
- Staff working in WMO Regional Instrument Centres (RICs)
- Instrument Specialists responsible for managing and performing instrument calibration and maintenance
- Experts interested in the calibration of meteorological instruments and calibration laboratories

Participants are required to register on the WMO Moodle platform and self-enrol in the course. Upon completion, digital badges are awarded for each module, and a certificate is issued after successful completion of the full course.

Members are kindly invited to encourage relevant personnel to enrol in and complete the course. Completion of the online course will also serve as a **prerequisite for future in-person calibration trainings** organized by WMO.

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers
Presidents and vice-presidents of technical commissions
Presidents of regional associations
Chair and vice-chair of the Research Board
Regional Training Centres
Director General, ASECNA
Executive Secretary, HMEI

In addition, I would like to take this opportunity to draw your attention to the following important guidance documents on measurements and instrumentation:

- i. the *Guide to Instruments and Methods of Observation* (WMO-No. 8), available in all WMO languages, which provides guidance and recommended practices for meteorological measurements, instrument siting, maintenance, calibration and quality management;
- ii. the *Guide to Operational Weather Radar Best Practices* (WMO-No. 1257), which provides guidance on the main components of a weather radar programme, including applications, programme development phases, network planning and design, siting and installation and operational management of weather radar networks;
- iii. the *Guide to Hydrological Practice, Volume I* (WMO-No. 168), available in the English, French, Russian and Spanish languages, which provides guidance and recommended practices for hydrological observations, measurement techniques, data acquisition and processing, operation and maintenance of hydrological networks.

Members are encouraged to apply the guidance provided in these Guides when designing, establishing and operating their observing systems to ensure consistency, traceability and long-term sustainability.

I would appreciate your assistance in disseminating this information within and beyond your Service and encouraging participation in the training course.

Yours faithfully,



Ms Ko Barrett
for the secretary-General