



Our ref.: OBS/OSD/IMO/TECO-2016

GENEVA, 2 May 2016

Annex: 1 (available in English only)

Subject: 2<sup>nd</sup> Announcement and Call for Registration for the 2016 WMO CIMO Technical Conference on Meteorological and Environmental Instruments and Methods of Observation (CIMO TECO-2016)

Action required: 1. To submit abstracts of papers (if not already done) via the CIMO TECO - 2016 website at your earliest convenience, but not later than **20 May 2016**  
2. To submit requests for financial assistance to the WMO Secretariat, as soon as possible, but not later than **15 June 2016**  
3. To complete the web-based Registration Form not later than **31 August 2016**

Dear Sir/Madam,

I wish to refer to the World Meteorological Organization (WMO) circular letter ref. OBS/OSD/IMO/TECO-2016 dated 11 March 2016, announcing the WMO Technical Conference on Meteorological and Environmental Instruments and Methods of Observation (CIMO TECO-2016), which will be held in Madrid, Spain, at the kind invitation of Agencia Estatal de Meteorologia (AEMET), at IFEMA, Feria de Madrid, from 27 to 30 September 2016. The conference will be conducted in English only.

The Conference will take place in conjunction with the Meteorological Technology World Expo 2016 (27-29 September 2016), which is being independently organized by UKIP Media and Events Ltd, and with the second International Workshop on Metrology for Meteorology and Climate (MMC-2016, 26-27 September 2016).

Further information is now available on the new conference website at:

<http://www.wmocimo.net/>

I would like to inform you that the abstract submission deadline for CIMO TECO-2016 has been extended until **20 May 2016**. Experts wishing to present an oral or poster presentation and who have not yet submitted their abstract are reminded to do so via the Abstract Submission Form at the new conference website:

<http://www.wmocimo.net/abstract-submission/>

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6899)

cc: Hydrological Advisers to Permanent Representatives )  
Presidents and vice-presidents of technical commissions )  
Presidents of regional associations )  
Members of CIMO ) (for information)  
Director General, ASECNA )  
Executive Secretary, HMEI )

or at the WMO/CIMO website:

<http://www.wmo.int/pages/prog/www/CIMO/cimo-teco-meteorex.html>

In addition, I am pleased to advise that registration for CIMO TECO-2016 is now open. The link to the web-based Registration Form, in English only, is also available from the above mentioned links. Participants are hereby invited to register via the website as soon as possible, but not later than **31 August 2016**.

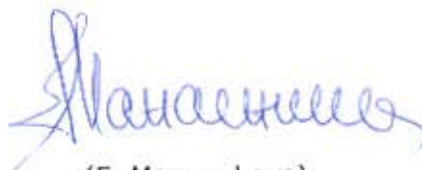
The provisional programme for CIMO TECO 2016, and information on local arrangements, will soon be available on the same websites.

WMO has limited funds available for the provision of financial support to participants from developing countries and countries in transition. Priority for this assistance will be given to those who are presenting papers at the Conference. I kindly urge you to consider meeting the cost of travel expenses, such as air ticket and/or per diem for the participant(s) of your respective Service. Otherwise, please note that requests for financial assistance can only be considered within the limits of available resources **for those requests submitted by the relevant Permanent Representative of the participant and received before 15 June 2016** (please note that this is much earlier than the deadline for registration).

I look forward to the participation of your expert(s) at CIMO TECO-2016, a technical conference offering a unique opportunity for exchange of information on the latest developments in instrumentation, observing methods and systems; and a forum for strengthening collaboration with other communities contributing to the WMO Integrated Global Observing System (WIGOS).

I should be grateful if you would make this announcement widely known within your respective Service and beyond.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'E. Manaenkova', is written over a faint, larger blue signature that is partially visible in the background.

(E. Manaenkova)  
for the Secretary-General



WORLD  
METEOROLOGICAL  
ORGANIZATION

WEATHER CLIMATE WATER

The WMO Commission for Instruments and  
Methods of Observation (CIMO) is pleased  
to announce:

**TECO - 2016**  
**(Technical Conference on**  
**Meteorological and**  
**Environmental Instruments**  
**and Methods of Observation)**  
**27-30 September 2016**

In conjunction with

**Meteorological Technology**  
**World Expo 2016**  
**27-29 September 2016**

And

**MMC - 2016**  
**(Metrology for Meteorology and Climate,**  
**2<sup>nd</sup> conference)**  
**26-27 September 2016**

**Madrid, Spain**





## What and when:

### **TECO – 2016 (27 – 30 Sept 2016)**

<https://www.wmo.int/pages/prog/www/CIMO/cimo-teco-meteorex.html>

<http://www.wmocimo.net>, available from 1 April 2016

is for experts in instruments and methods of observation from NMHSs, research institutes and the private sector. It promotes the exchange of information on the latest developments in instrumentation, methods of observation and related topics. All this in a changing society: assessing the quality and traceability of data sourced from partner and private networks, capitalizing on information provided by social media and crowdsourcing, and also adapting to the challenges and opportunities of big data. It provides an invaluable opportunity for training and capacity development, particularly for participants from developing countries, who are strongly encouraged to present their work.

### **Meteorological Technology World Expo 2016 (27 – 29 Sept 2016)**

<http://www.meteorologicaltechnologyworldexpo.com/visiting.php?n=visit>

is for people involved in the decision-making processes in specifying and purchasing climate, weather and hydrometeorological measurement, prediction and analysis technologies, plus service providers.

### **MMC – 2016 (26 – 27 Sept 2016)**

<http://www.meteomet.org/>

is for scientists involved in the evaluation of overall measurement uncertainties for the quantities involved in the meteorological observations and climate change evaluations. It is dedicated to the achievements in JRP ENV58 MeteoMet2, which aims to extend the investigations on the traceability of some essential climate variables to SI, and the evaluation of calibration uncertainties, available from the previous JRP ENV07 MeteoMet1.

## Where:

### **IFEMA – Feria de Madrid**

Av. Partenón, 5, 28042 Madrid, Spain

<http://www.ifema.es/>

## Accommodation:

<https://www.horizonresourcing.co.uk/meteorological-technology-world-expo-2016/>



## Topics:

1. **Traceability, uncertainty and standardization of meteorological and environmental measurements;**
  - metrological issues related to meteorological measurements and methods of observation: traceability to SI (including trace gas measurements), calibration of weather radars and space-based (satellite) instruments, measurement uncertainty achieved in the field and in the laboratory, CMCs of accredited calibration laboratories, collaboration with RICs and RRCs, competencies, implementation of and compliance with WIGOS related standards (such as siting classification, metadata, ISO/IEC 17025, ITU radio-regulations, the International Cloud Atlas).
2. **Developments in observing technologies and systems;**
  - achievements of Lead Centres, developments in in-situ technologies, developments in remote sensing instruments, systems and technologies (such as weather radars, radar wind profilers, lidars and lightning detection systems), developments in integrated (composite) systems, developments in data acquisition and quality control software, developments in design and installation of measurement infrastructure including their standardization, performance of new technologies.
3. **Intercomparisons, characterization and testing of instruments and methods of observation;**
  - outputs of international intercomparisons (such as SPICE, IPC), results of regional or national intercomparisons of different instruments, technologies and systems, inter-laboratory comparisons, outcomes of testing of instruments and observing methods, achievements of Testbeds, procedures for organization and conduct of intercomparisons and testing.
4. **Challenges and opportunities for continuous improvement in observing technologies;**
  - transition from mercury-based and obsolete instruments to modern alternatives, migration from manual to automated observations, combining information from composite observing systems, introduction and experience with AWSs, low-cost technologies, weather-proofing - strategies for improving operation of observing equipment in harsh environments and extreme weather, assessment of externally-sourced meteorological data (incl. crowdsourcing, partner and private networks), adapting to the challenges and opportunities of big data, and strategies for meeting the observational needs of the coming decades.



## Deadlines for TECO - 2016:

Abstract submission: **30 April 2016**

Notification of abstract acceptance: **15 June 2016**

Full paper submission: **15 August 2016**

Registration: **31 August 2016**

## The International Programme Committee:

**Dr Bruce Forgan (Chair)**  
**Bureau of Meteorology**  
Melbourne, Australia

## For further information please contact:

The WMO Secretariat:

**Dr Roger Atkinson**

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Geneva, Switzerland

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