



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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1 September 2021

Annexes: 2 (available in English only)

Subject: WMO VCP Online Workshop on Development and Use of Automated City Weather Forecast Products, Hong Kong Observatory, from 6-10 December 2021

Action required: For information and appropriate action, no later than **15 October 2021**

Dear Sir/Madam,

I have the pleasure to inform you that the Hong Kong Observatory (HKO) will host an online workshop on "Development and Use of Automated City Weather Forecast Products", from 6–10 December 2021.

The workshop aims at enhancing the capacity of National Meteorological and Hydrological Services (NMHSs) in developing and provision of city-specific weather forecasts in short range to medium range. Forecasters and researchers involved in the processing of Automated City Weather Forecast Products are welcome to attend the workshop. HKO is prepared to offer 40 fellowships covering tuition. Preference will be given to Members from Regional Associations II and V, especially those participating in the Asian Consortium for Numerical Forecasts (ACNF), and participating countries of the World Meteorological Organization Severe Weather Forecasting Demonstration Project (SWFDP). The workshop will be conducted in English. A brief description of the workshop is given in [Annex I](#).

Interested candidates are requested to complete the attached Participants Nomination Form, [Annex II](#), and send directly to Mr Terence Kung (email: tkung@hko.gov.hk or fax: +852 2375 2645) as soon as possible but not later than **15 October 2021**.

Yours faithfully,

Dr Wenjian Zhang
for the Secretary-General

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers

**WMO VCP Online Workshop on
Development and Use of Automated City Weather Forecast Products**

Hong Kong, China

6–10 December 2021

Ref.: 19095/2021-1.8 MS/ETR

Objective

To address the capacity building needs and to enhance the participants' capability in the development, application and verification of tailored guidance products using Numerical Weather Prediction (NWP) model and Ensemble Prediction System (EPS) outputs.

Contents

- i. Introduction to recent developments in NWP and EPS
- ii. Post-processing of NWP outputs to generate automatic city-specific weather forecast products
- iii. Post-processing of NWP/EPS outputs for high-impact or extreme weather events, development of probabilistic guidance and their use and interpretation
- iv. Visualization of NWP/EPS outputs and post-processed products
- v. Verification methods of NWP/EPS outputs and post-processed products
- vi. Sharing of experience from WMO Members
- vii. Practical session on running post-processing algorithms and visualization of NWP outputs.

Lecturers

Weather forecasting and modelling experts from the Hong Kong Observatory and invited experts from renowned meteorological centres.

Medium of instruction

English

Course duration

0700–1000 UTC on 6– 10 December 2021

Deadline for application

The completed WMO Nomination Form should be returned to the Hong Kong Observatory by **15 October 2021**.

Places offered

Around 40 registered participants. Preference will be given to qualified applicants from RA II and RA V Members, especially those participating in the Asian Consortium for Numerical Forecasts (ACNF) and the WMO Severe Weather Forecasting Programme (SWFP).

Qualification of participants

- Participants are required to be proficient in English.
- Participants should have experience in weather forecasting and/or NWP product development.
- Participants are expected to have a role in developing NWP/EPS products especially for high-impact weather services in their NMHSs at present or in the future.

- Participants are required to provide the course organizer with feedback on the usefulness of the knowledge and skills acquired within 6 months after participating in the workshop on how these knowledge and skills would be applied in their NMHSs.
- Participants are encouraged to actively maintain technical exchange and communication with the organizer and among themselves after the workshop.

Course delivery

Participants are expected to attend the workshop online through Zoom video conferencing in real-time mode, therefore a decent connection to the Internet should be provided to ensure smooth streaming of video and sound, as well as connection to remote servers to take part in practical sessions during the course.

Course fee

- Tuition fee will be waived.

Enquiries

Mr. Terence Kung, Scientific Officer, Hong Kong Observatory, Hong Kong, China.
E-mail: tkung@hko.gov.hk, Fax: (852) 2375 2645, Tel: (852) 2926 8319.

PARTICIPANTS NOMINATION FORM

**VCP Online Workshop on Development and Use of
Automated City Weather Forecast Products**

Hong Kong, China, 6–10 December 2021

The Permanent Representative of _____
with WMO nominates the following candidate as a participant of the above workshop.

- 1. Family name (in capitals): _____
- 2. First name (in capitals): _____
- 3. Address: _____

Tel: _____ Fax: _____

E-mail: _____

- 4. Date of birth: (mm/yyyy) _____ Male Female

Nationality: _____

- 5. Qualifications (certificates, diplomas or degrees):

- 6. Present position and brief description of duties:

7. What roles or tasks will your participant be required to undertake after this workshop to enable your service to make the most of the opportunity to develop new knowledge and skills?

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8. Working language: _____

(Note: *If English is not one of the working languages of the applicant, this nomination form must be accompanied by an English proficiency certification.*)

Permanent Representative: _____ (Signature)

_____ (Block letters)

Date: _____

To be completed and sent to reach the following address on or before **15 October 2021**:

Director of the Hong Kong Observatory
(Attn: Mr Terence Kung, Scientific Officer)
134A, Nathan Road
Hong Kong, China
Tel: +852 2926 8319
Fax: +852 2375 2645
E-mail: tkung@hko.gov.hk
