



WMO OMM

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

Secrétariat

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Ref.: 15520/2020-13 MS/ETR

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28 August 2020

Annexes: 2 (available in English only)

Subject: Online Workshop on the Development of Products from Numerical Weather Prediction Models and Ensemble Prediction Systems for High-Impact Weather Forecasting, Hong Kong Observatory, from 8 to 11 December 2020

Action required: For information and appropriate action, no later than **30 October 2020**

Dear Sir/Madam,

I have the pleasure to inform you that the Hong Kong Observatory (HKO) will host an Online Workshop on the Development of Products from Numerical Weather Prediction (NWP) Models and Ensemble Prediction Systems (EPS) for High-Impact Weather Forecasting, from 8 to 11 December 2020.

Forecasters and researchers involved in the processing of NWP/EPS, developing guidance products, and/or forecasting of high-impact weather are welcome to attend the workshop. HKO is prepared to offer 20 fellowships covering tuition. Preference will be given to Members of Regional Associations II and V, especially those participating in the Asian Consortium for Numerical Forecasts (ACNF), and participating countries of the Severe Weather Forecasting Demonstration Project (SWFDP), established by WMO.

Interested candidates are requested to complete the attached "Application Form" (Annex II) and send it directly to Mr Terence Kung, the director of HKO (tkung@hko.gov.hk), as soon as possible but not later than **30 October 2020**

Yours faithfully,

Prof. Petteri Taalas
Secretary-General

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

cc: Hydrological Advisers to Permanent Representatives

**WMO VCP Online Workshop on
Development of Products from Numerical Weather Prediction Models and
Ensemble Prediction System for High-Impact Weather Forecasting
Hong Kong, China
8 - 11 December 2020**

Ref.: 15518/2020-1.0 MS/ETR

Objective

To address the capacity building needs and to enhance the participants' capability in high-impact weather forecasting through the development of tailored guidance products using Numerical Weather Prediction (NWP) and Ensemble Prediction System (EPS) outputs.

Contents

- i. Introduction to recent developments in NWP and EPS
- ii. Operation of NWP system and EPS
- iii. Post-processing of NWP outputs to generate tailored products for high-impact weather forecasts and their use and interpretation
- iv. Post-processing of EPS outputs for extreme weather events and probabilistic guidance and their use and interpretation
- v. Sharing of experience from WMO Members
- vi. Practical session on running of community model and post-processing of model outputs useful to high-impact weather forecasts and probabilistic guidance.

Lecturers

Weather forecasting and modelling experts from the Hong Kong Observatory and invited experts from the European Centre for Medium-Range Weather Forecasts, the Japan Meteorological Agency and the Korea Meteorological Administration.

Medium of instruction

English

Course Date

8 to 11 December 2020

Deadline for application

The completed WMO Fellowship Nomination Form should be returned to the Hong Kong Observatory by **30 October 2020**.

Places offered

Around 20 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 Demonstration Project (SWFDP).

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.
- All 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.
- All 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 descent connection to the Internet should be in place to ensure smooth streaming of video and sound, as well as connection to remote servers to take part in practical sessions during the course.

Fellowship

- 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.

WORLD METEOROLOGICAL ORGANIZATION

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PARTICIPANTS NOMINATION FORM

**VCP Online Workshop on Development of Products from
Numerical Weather Prediction Models and Ensemble Prediction System
for High-Impact Weather Forecasting
Hong Kong, China, 8 – 11 December 2020**

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?

8. Working language: _____

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

Permanent Representative: _____ (Signature)

_____ (Block letters)

Date: _____

To be completed and sent to reach the following address on or before **30 October 2020**:

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