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WEATHER CLIMATE WATER
TEMPS CLIMAT EAU



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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Our ref.: 17460/2019/ETR/CRS-819

27 June 2019

Annexes: 2 (available in English only)

Subject: Workshop on Nowcasting, Seamless Forecasting and Warning Services,
Hong Kong, China, 3-6 December 2019

Action required: For information and appropriate action, as necessary, no later than
31 August 2019

Dear Sir/Madam,

I have been advised by the Permanent Representative of Hong Kong, China with the World Meteorological Organization (WMO) that, as a contribution to the WMO Voluntary Cooperation Programme (VCP), a workshop on "Nowcasting, Seamless Forecasting and Warning Services" will be held in Hong Kong, China, from 3 to 6 December 2019.

The workshop will aim to address the training and capacity building needs for WMO Members to develop and implement nowcasting services for reducing the impact of severe weather hazards.

The topics of the workshop will include quantitative precipitation estimation and forecast, severe weather nowcasting, blending nowcast with numerical weather prediction models and verification techniques. In addition, applications of nowcast products for impact-based forecasting and warning, the Community SWIRLS nowcasting system and the products of the Regional Specialized Meteorological Centre (RSMC) for Nowcasting will also be introduced. A brief description of the workshop is given in Annex I.

The Hong Kong Observatory (HKO) is prepared to offer up to 20 fellowships covering tuition and per diem expenses, with preference given to RA II and RA V Members. The interested candidates are requested to complete the attached Participant Nomination Form in Annex II and return it directly to the Hong Kong Observatory (email: tkung@hko.gov.hk; fax: +852 2375 2645) not later than **31 August 2019**.

Yours faithfully,

(W. Zhang)
for the Secretary-General

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

cc: Hydrological Advisers to Permanent Representatives

WMO VCP Workshop on Nowcasting, Seamless Forecasting and Warning Services
3-6 December 2019
Hong Kong, China

Objective

To address the training and capacity building needs for WMO Members who need to develop or implement their nowcasting services to reduce the impact of severe weather hazards.

Contents

1. Quantitative precipitation estimation, (QPE), quantitative precipitation forecast (QPF) and probabilistic QPF
2. Nowcast of thunderstorm / lightning, convective gust and hail
3. Satellite nowcast applications
4. Blending nowcast with numerical weather prediction (NWP) models
5. Verification techniques of nowcast products
6. Impact-based Forecasting / Warning
7. RSMC for Nowcasting and Community version of SWIRLS (Com-SWIRLS)
8. Hands-on tutorial, participants' sharing and discussion on implementation of nowcasting products.

Medium of instruction

English

Course Date

3-6 December 2019

Deadline for application

The completed WMO Fellowship Nomination Form should be returned to the Hong Kong Observatory (Mr. Terence Kung, Scientific Officer, Hong Kong Observatory, Hong Kong, China. E-mail: tkung@hko.gov.hk, Fax: (852) 2375 2645) with a copy to the WMO Secretariat by **31 August 2019**.

Places offered

Around 20 participants. Preference will be given to qualified applicants from RA II and RA V Members.

Qualification and requirements of participants

- Participants should be proficient in English.
- Participants should have knowledge and experience in nowcasting and related applications in public weather forecast.

- Participants are expected to have a hands-on role in leading/carrying out the associated research/development/operation in implementing or enhancing nowcast of high-impact convective weather.
- All participants are required to provide the course organizer with feedback on the usefulness of the knowledge and skills acquired within 6 months after attending the workshop, especially on how the acquired 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.

Fellowship

- Tuition fee will be waived. Lodging will be provided, supplemented by a per diem allowance of HK\$180 per day.
- The costs of air passage and related insurance costs between Hong Kong, China and the home town of participants will have to be borne by the recipient WMO Members. In the event any Member is unable to meet the air passage costs, the Hong Kong Observatory is prepared to offer a limited number of air passages for those in need, on a case-by-case basis.

Insurance

The course organizer does not hold any responsibility for compensation in the event of death, illness, injury or loss of property during the course period. The same applies to the duration of passage in the event the Hong Kong Observatory provides the air passages. Participants are therefore fully responsible for arranging life, health, and other forms of insurance as appropriate and necessary.

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



PARTICIPANTS NOMINATION FORM

VCP Workshop on Nowcasting, Seamless Forecasting and Warning Services
Hong Kong, China, 3 – 6 December 2019

The Government of _____
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: _____ Male Female

Nationality: _____

Passport no.: _____

Date of issue: _____ Expiry date: _____

- 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: For applicants whose working language is not ENGLISH, this nomination form must be accompanied by English proficiency certification.)

9. Contact person in emergency:

Name:

Address:

Tel: Fax:

E-mail:

10. (a) Financial assistance for travel required: Yes No

(b) Financial assistance for hotel accommodation and per diem allowance (HK\$180 per day) required: Yes No

11. I fully understand that the organizer does not hold any responsibility for compensation in the event of death, illness, injury or loss of property during the period of the workshop.

Permanent Representative: (Signature)

..... (Block letters)

Date:

To be completed and sent to reach the following address on or before **31 August 2019**:

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