



World Meteorological Organization  
Organisation météorologique mondiale

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Weather • Climate • Water  
Temps • Climat • Eau

Our ref.: ETR/CRS-1314

GENEVA, 23 May 2014

Annexes: 2 (English only)

Subject: International Training Workshop on Data Assimilation and Mesoscale Ensemble Forecasting, 1-5 December 2014, Hong Kong, China

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

I have been advised by the Permanent Representative of Hong Kong, China with WMO that an international training Workshop on Data Assimilation and Mesoscale Ensemble Forecasting will be held in Hong Kong, China, from 1 to 5 December 2014.

The workshop will introduce the recent developments in the data assimilation methodology for NWP models, such as those available for RA II Members at the Asian Consortium for Numerical Forecasts (ACNF) website. It will also introduce the implementation of a mesoscale ensemble forecasting system with a view to enhancing the capacity of National Meteorological Services in the provision of weather services.

The workshop is designed for those participants involved in the development of data assimilation techniques for NWP models or ensemble forecast systems. Preference will be given to RA II (Asia) Members, as well as participating countries of the WMO Severe Weather Forecasting Demonstration Project (SWFDP) and the ACNF website; and will be conducted in English. A brief description of the workshop is given in Annex I.

Interested candidates are requested to complete the attached Participant Nomination Form in Annex II and return it directly to the Hong Kong Observatory (e-mail: [tkung@hko.gov.hk](mailto:tkung@hko.gov.hk); fax: +852 2375 2645; telephone: +852 2926 8319) not later than **15 August 2014**.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'E. Manaenkova'.

(E. Manaenkova)  
for the Secretary-General

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6772)

cc: Hydrological Advisers to Permanent Representatives

**WMO VCP Workshop on  
Data Assimilation and Mesoscale Ensemble Forecasting  
1-5 December 2014  
Hong Kong, China**

**Objective**

To introduce the recent developments in data assimilation methodology for NWP models, such as those available for RAII Members at the Asian Consortium for Numerical Forecasts (ACNF) Website<sup>(Note 1)</sup> and the implementation of a mesoscale ensemble forecasting system with a view to enhancing the provision of weather services.

**Contents**

- i. Introduction to synoptic and mesoscale data assimilation techniques;
- ii. Latest development of mesoscale assimilation techniques;
- iii. Interpretation and application of mesoscale ensemble forecasts;
- iv. Introduction of ACNF web portal and community NWP models;
- v. Numerical experiments using the ACNF community models;
- vi. Sharing of experience from WMO Members; and
- vii. Practical sessions and discussions.

**Medium of instruction**

English

**Course Dates**

1 to 5 December 2014

**Deadline for application**

The completed WMO Fellowship Nomination Form should be returned to the Hong Kong Observatory with a copy to the WMO Secretariat by 15 August 2014.

**Places offered**

A maximum of 20 participants. Preference will be given to qualified applicants from RAII Members, as well as participating countries of WMO SWFDP and ACNF.

Note 1:- The ACNF website (<http://acnf.weather.gov.hk>) was established by Resolution 6 (XIV – RAII) at the 14<sup>th</sup> session of Regional Association II (Asia), Tashkent, Uzbekistan, 5-11 December 2008.

### **Qualification of trainees**

- Trainees are required to be proficient in English.
- Trainees should have relevant skills in information technology related to the running and development of NWP models.
- Trainees are recommended to have experience or strong interest in data assimilation techniques and/or ensemble forecasting.
- Trainees are expected to take a role in the development/set-up of data assimilation components of the NWP systems and/or ensemble forecasting systems to support weather forecasting activities in their NMHSs after training.
- All trainees are required to provide the course organizer with feedback on the usefulness of the knowledge, ACNF web portal, Community NWP Models and skills acquired within 6 months after receiving the training.
- All trainees are encouraged to actively maintain technical exchange and communication with the organizer, as well as each other, after successful completion of the training.

### **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 training course organizer does not hold any responsibility for compensation in the event of death, illness or injury during the training period. The same applies to the duration of passage in the event that 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](mailto:tkung@hko.gov.hk), fax: (852) 2375 2645, tel: (852) 2926 8319.



WORLD METEOROLOGICAL ORGANIZATION



PARTICIPANTS NOMINATION FORM

VCP Workshop on Data Assimilation and Mesoscale Ensemble Forecasting  
Hong Kong, China, 1-5 December 2014

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
- Passport no.: \_\_\_\_\_
- Date of issue: \_\_\_\_\_ Expiry date: \_\_\_\_\_

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

- 6. Present position and brief description of duties:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note 1:- The ACNF website (<http://acnf.weather.gov.hk>) was established by Resolution 6 (XIV – RAll) at the 14<sup>th</sup> session of Regional Association II (Asia), Tashkent, Uzbekistan, 5-11 December 2008.

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, skills and work attitudes?

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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. Name and address of person to be notified in case of emergency:

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10. Financial assistance for travel 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 training period.

Permanent  
Representative: .....

(Signature)

.....  
(block letters)

Date: .....

To be completed and sent to reach the following address on or before **15 August 2014**:

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