



**World Meteorological Organization**  
**Organisation météorologique mondiale**

Secrétariat  
7 bis, avenue de la Paix – Case postale 2300 – CH 1211 Genève 2 – Suisse  
Tél.: +41 (0) 22 730 81 11 – Fax: +41 (0) 22 730 81 81  
wmo@wmo.int – www.wmo.int

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Our ref.: ETR/CRS-1112

GENEVA, 16 July 2012

Annexes: 2 (available in English only)

Subject: International Training Course on Regional Climate Prediction and Drought Monitoring and Warning, from 17 to 27 September 2012, Beijing, China

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

I have pleasure to inform you that the People's Republic of China will host an international training course on Regional Climate Prediction and Drought Monitoring and Warning, from 17 to 27 September 2012 at the China Meteorological Administration Training Centre (CMATC), Beijing Component of WMO RTC in China.

The training course is targeted at meteorologists who are working in the field of climate prediction and drought monitoring and warning and other related fields, especially those from developing countries. This course, which will help the participants learn the knowledge of drought monitoring and warning and climate prediction, improve the climate adaptation and drought monitoring and forecasting ability, will be conducted in English only.

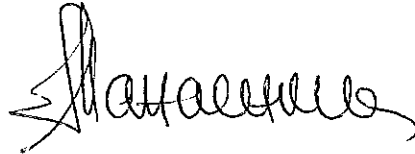
The accepted participants that receive the endorsed Admission Notices by the WMO RTC in Beijing will be exempted from tuition fees. The Chinese Government will provide local support, such as accommodation, meals, and pocket money (RMB 50 per day) in Beijing, for participants upon application. One applicant from each developing country or two applicants from each Least Developed Country are endorsed by the WMO RTC in Beijing for the local support. Other costs, such as the international round-trip tickets, visa application fees, medical care, insurances and domestic salaries for the participants, should be borne by the participants or their respective Governments. Participants are recommended to arrive in Beijing on 16 September 2012 and depart from Beijing on 28 September 2012. Please find the Enrolment Information, (Annex I), for detailed information on this course.

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6655)

cc: Hydrological Advisers to Permanent Representatives

Interested candidates are requested to complete the attached Application Form, (Annex II), which should be signed by the Permanent Representative of the respective country with WMO, and sent directly to the CMATC, preferably by fax (+86 10 68409225) or by e-mail (intcmatc@cma.gov.cn) as soon as possible but **not later than 5 September 2012**.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'E. Manaenkova', written in a cursive style.

(E. Manaenkova)  
for the Secretary-General

## ENROLMENT INFORMATION

### International Training Course on Regional Climate Prediction and Drought Monitoring and Warning

The International Training Course on Regional Climate Prediction and Drought Monitoring and Warning will be held in Beijing, China from 17 to 27 September 2012 by the WMO Regional Training Centre in Beijing (RTC-Beijing), sponsored by the China Meteorological Administration (CMA).

#### 1. Objectives

The course is designed to help trainees to learn the knowledge of drought monitoring and warning and climate prediction, improve the capability in climate adaptation and drought monitoring and forecasting, especially in developing countries.

#### 2. Date and Venue

17-27 September 2012, WMO Regional Training Centre in Beijing, China.

**Note:** Participants are expected to arrive in Beijing on 16 September and depart on 28 September.

#### 3. Course Contents

The course includes: (1) basic knowledge of drought and drought characteristics, hydrology cycle and water balance; (2) drought monitoring. Land Data Assimilation System (LDAS), leaky bucket model, different faces of drought; (3) Drought mechanisms. SST and soil moisture, ENSO and SSTA impact on drought; (4) Lecture from the CMA scientist on climate prediction and drought prediction and monitoring; (5) Drought modeling. Climate model to simulate drought, statistical downscaling; (6) Drought prediction, dynamic downscaling, Multi Model Ensemble (MME) overview; (7) Introduction of CPC's climate prediction; (8) MJO and ENSO influence on global drought, real-time global monsoon monitoring and forecast; (9) Reports on regional drought case study, (10) Laboratory section. Working with Leaky Bucket SM model to learn how to calculate Wheeler-Hendon MJO index, using statistical model to forecast WH MJO index, Download multi-model ensemble data from internet and calculation model skills; (11) introduction to the development of China's meteorological service; and (12) visit to the operational centres of CMA.

#### 4. Training Format

Lecture, laboratory practice, group discussion, individual presentation, study tour, etc.

#### 5. Instructors

(a) Dr Qin Zhang, Dr Kingtse Mo and Dr Jin Huang, climate prediction and drought monitoring experts from the NOAA Climate Prediction Center, United States;

(b) Climate experts from Beijing Climate Centre, CMA.

#### 6. Language of Instruction

The course will be conducted in English.

## **7. Targeted Trainees**

Meteorologists who are working in the fields of climate prediction and drought monitoring and warning and other related fields, especially those from developing countries.

## **8. Participants' Qualifications for Admission**

Participants are required:

- (a) To be specialized in climate prediction and drought monitoring and warning with a minimum of one year's professional experience;
- (b) To be in good physical health with no infectious diseases. Physically fit to fulfill all course activities; candidates with limited physical mobility will not be accepted;
- (c) To be proficient in English;
- (d) To prepare a report on climate prediction and drought monitoring and warning of the participants' service and a brief introduction of the participant's professional experiences for the purpose of exchanges;
- (e) Not to bring family members to the training course in principle, if bringing a family member, the participant has to pay the extra expenses;
- (f) To observe all the laws, rules and regulations of People's Republic of China and respect the Chinese customs during the training period.

## **9. Application and Admission**

- (a) The applicants must be meteorologists who are working in the field of climate prediction and drought monitoring and warning and other related fields from Meteorological and Hydrological Services of developing countries. The nominated candidates are requested to submit the Application Forms to RTC-Beijing for examination and endorsement;
- (b) Admission Notices will be issued to the accepted participants by e-mail/fax by the RTC-Beijing. With the Admission Notices, the participants are requested to go through all the necessary formalities for entering China and bring all the documents (Admission Notices, Application Forms) to RTC-Beijing on the registration date of **16 September 2012**;
- (c) Only accepted applicants that receive the Admission Notices endorsed by RTC-Beijing can participate in the training course.

## **10. Training Expenses**

- (a) Tuition is free for all the accepted participants that receive the endorsed Admission Notices by RTC-Beijing;
- (b) RTC-Beijing will provide local support to the accepted participants from developing countries, including accommodation, meals, and pocket money (50 Yuan RMB per day). Other participants from developed countries shall be responsible for their own local cost.
- (c) The international travel costs including round trip tickets, transit fares and subsistence allowance during the travel are to be covered by the participants or their employers;
- (d) The expenses of visa, medical care, insurances and domestic salaries for the participants should be borne by the participants' employers.

## **11. Insurance**

The organizer of the Training Course on Regional Climate Prediction and Drought Monitoring and Warning does not hold any responsibility for such risks as loss of life, accidents, illness, and loss of property incurred during the whole period of participation in the training course.

## **12. Deadline for application**

Applications shall be submitted and reach RTC-Beijing no later than **5 September 2012**.

## **13. Liaison Information**

Attn: Ms. CHEN Jinyang  
WMO Regional Training Centre in Beijing  
China Meteorological Administration Training Centre  
46 Zhongguancun Nandajie  
Beijing 100081  
China

Tel: +86-10-68408798  
Fax: +86-10-68409225,  
E-mail: [intcmatc@cma.gov.cn](mailto:intcmatc@cma.gov.cn)

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APPLICATION FORM

INTERNATIONAL TRAINING COURSE ON REGIONAL CLIMATE PREDICTION AND  
DROUGHT MONITORING AND WARNING

(Beijing, China, 17-27 September, 2012)

**Note:** Please complete the form in legible capital letters and send directly to RTC-Beijing preferably by Email in PDF version as soon as possible but not later than 5 September 2012.

I. Personal Data

1. Surname \_\_\_\_\_  
Given Name \_\_\_\_\_
2. Gender \_\_\_\_\_
3. Date of Birth \_\_\_\_\_
4. Place of Birth \_\_\_\_\_
5. Passport Number \_\_\_\_\_
6. Nationality \_\_\_\_\_
7. Religion \_\_\_\_\_
8. Marital Status \_\_\_\_\_
9. Health Condition \_\_\_\_\_
10. History of infectious disease:  No  Yes



\_\_\_\_\_ (Please specify if yes)

11. Address: \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address: \_\_\_\_\_ @ \_\_\_\_\_

12. Permanent Address: \_\_\_\_\_

13. Contact person in emergency

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address: \_\_\_\_\_ @ \_\_\_\_\_

14. Statement of present work

Name of institution \_\_\_\_\_

Position held \_\_\_\_\_

Brief description of duties \_\_\_\_\_

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15. Previous employment history

Date	Institution	Position and Duties
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16. Educational and/or professional qualification

Date	Major and University	Degree/Diploma
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17. Language Proficiency

Mother Tongue \_\_\_\_\_

English Proficiency (Please tick):

Reading: a. excellent b. good c. fair d. poor

Listening: a. excellent b. good c. fair d. poor

Speaking: a. excellent b. good c. fair d. poor

Writing: a. excellent b. good c. fair d. poor

18. State why you wish to attend the course and indicate the practical use of the course to your work in the future.

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## II. Financial Support

Do you need local support from CMA if you are a participant from developing countries?

Yes  No

## III. Insurance

I fully understand that the course organizer does not take any responsibility for risks such as loss of life, accidents, illness, loss of property etc.

## IV. Personal Statement

I hereby declare that the information given above is true, correct and complete. I shall bear the responsibility for the above information.

I pledge to observe all the Chinese laws and will respect the local customs and follow the course regulations during my stay in China for the training course.

\_\_\_\_\_  
Signature of Applicant

Date \_\_\_\_\_

## V. Endorsement of the Nominator

1. Name of Organization \_\_\_\_\_  
\_\_\_\_\_

2. Name and Signature of the Permanent Representative of WMO in your country:

Name \_\_\_\_\_

Signature \_\_\_\_\_

Official Seal \_\_\_\_\_

Date \_\_\_\_\_

## VI. Contact Details

Contact Person: Ms. CHEN Jinyang  
Address: WMO Regional Training Centre in Beijing  
China Meteorological Administration Training Centre  
46 Zhongguancun Nandajie, Beijing 100081, China  
Telephone: +86-10-68408798  
Fax: +86-10-68409225  
E-mail: intcmtc@cma.gov.cn