



World Meteorological Organization
Organisation météorologique mondiale

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Weather • Climate • Water
Temps • Climat • Eau

Our ref.: ETR/CRS-1114

GENEVA, 23 May 2014

Annexes: 2 (available in English only)

Subject: International Training Course on Weather Modification, Beijing, China,
18 to 29 August 2014

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 Weather Modification, from 18 to 29 August 2014, at the China Meteorological Administration Training Centre (CMATC), Beijing Component of WMO RTC in China.

WMO encourages the application of scientific knowledge and understanding in addressing issues related to weather modification. A statement and guidelines on weather modification are periodically updated and available from the WMO website on http://www.wmo.int/pages/prog/arep/wwrp/new/documents/WMR_documents.final_27_April_1.FINAL.pdf.

The course is designed to help trainees to learn new techniques of weather modification and improve the operational skills of participants from developing countries. The course will be conducted in English. Please find the Enrolment Information, (Annex I), for detailed information on this course.

Interested candidates are requested to complete the attached Application Form, (Annex II), which should be endorsed by the Permanent Representative of the respective country with WMO, and sent directly to the CMATC, preferably by e-mail to intcmatc@cma.gov.cn as soon as possible but **not later than 15 July 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-6773)

cc: Hydrological Advisers to Permanent Representatives

ENROLMENT INFORMATION

An International Training Course on Weather Modification will be held in Beijing, China from 18 to 29 August 2014 by the WMO Regional Training Centre Beijing (RTC-Beijing), sponsored by the Weather Modification Center, China Meteorological Administration (CMA) and RTC-Beijing.

1. Objectives

Through the training course, the participants will have a better understanding of weather modification mechanisms and methods. The course is also designed to help trainees to learn new techniques of weather modification, improve the operational skills for participants from developing countries.

2. Date and Venue

18 to 29 August 2014, Beijing, China.

Note: Trainees are expected to arrive in Beijing on 17 August 2014 and depart on 30 August 2014 or in the evening of 29 August 2014.

3. Course Contents

The course includes:

I. Theory

1. The microphysics of clouds and precipitation
 - (1) The growth of cold clouds precipitation
 - (2) The growth of warm clouds precipitation (condensation and coagulation)
 - (3) The growth of hailstone
 - (4) Pollution effects on clouds and precipitation
 - (5) Weather modification definition
Precipitation enhancement, hailstone suppression;
Main field: Theory Research, Field Campaign, Model Research and Laboratory Experiment.
 - (6) Seeding theory
2. WMO Weather Modification Statement

II. Technology

1. Convective clouds
2. Stratiform clouds
3. How to plan a cloud seeding project (experiment and operations)
 - (1) WMO PEP program
 - (2) WMO TR 35
 - (3) New projects

III. Weather Modification Activities in China, USA, Russia and other countries

1. Overview of weather modification activities in China
2. Research and operation application of weather modification model in China
3. Research and development of cold and warm cloud seeding agents in China

Training Format

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

4. Instructors

WMO Expert Team of Weather Modification and CMA Weather Modification Center

5. Language of Instruction

The course will be only conducted in English.

6. Targeted Trainees

Meteorologists engaged in operational work or research on weather modification, especially those from developing countries

7. Participants' Qualifications for Admission

Participants are required:

- 1) To be specialized in meteorology and with a minimum of one year's professional experience;
- 2) To be in good physical health with no infectious diseases. Physically fit to fulfill all course activities;
- 3) To be proficient in English;
- 4) To prepare a report on weather modification of the participants' service and a brief introduction of the participant's professional experiences for the purpose of exchanges;
- 5) Not to bring family members to the training course;
- 6) To observe all the laws, rules and regulations of People's Republic of China and respect the Chinese customs during the training period.

8. Application and Admission

- 1) The applicants must be meteorologists who are working in the fields of weather modification from National Meteorological and Hydrological Services of developing countries. The nominated candidates are requested to submit the Application Forms to RTC-Beijing for examination and endorsement. Application shall be submitted and reach RTC-Beijing no later than **15 July 2014**;
- 2) Admission Notices will be issued to the accepted participants by e-mail 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, Health Document, Application Forms) to RTC-Beijing on the registration date of **18 August 2014**;
- 3) Only accepted applicants that receive the Admission Notices endorsed by RTC-Beijing can participate in the training course.

9. Training Expenses

- 1) Tuition is free for all the accepted participants that receive the endorsed Admission Notices by RTC-Beijing;
- 2) 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;
- 3) The international travel costs including round trip tickets, transit fares and subsistence allowance during the travel are to be covered by the participants;
- 4) The expenses of visa, medical care, insurances and domestic salaries for the participants should be borne by the participants;
- 5) It should be taken into account when booking the flight tickets that the scholarship covers exclusively from 17 to 30 August 2014. Any liability or expense out of this term shall be entirely at the expense of the participants.

10. Insurance

The organizer of the Training Course 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.

11. Deadline for application

Application shall be submitted with a passport copy and reach RTC-Beijing no later than **15 July 2014**.

12. Liaison Information

Attn: Ms. CHEN Jinyang, Ms.GAO Feng
WMO Regional Training Centre in Beijing
China Meteorological Administration Training Centre
46 Zhongguancun Nandajie, Beijing 100081, China
Tel: +86-10-68408798
E-mail: intcmatc@cma.gov.cn

WORLD METEOROLOGICAL ORGANIZATION

ETR/CRS-1114, ANNEX II

APPLICATION FORM

INTERNATIONAL TRAINING COURSE ON WEATHER MODIFICATION

(Beijing, China, 18 to 29 August 2014)

Note: Please complete the form in **typed capital letters** and get it scanned in PDF version, send directly to RTC-Beijing by E-mail with a passport copy **not later than 15 July 2014**.

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)
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- 11. Address: _____
Mobile phone: _____
Telephone: _____ Fax _____
E-mail Address: _____ @ _____
Permanent Address: _____

- 12. Place of the Chinese Embassy/Consulate/Visa Office where you wish to apply for the visa(if a Chinese visa is required):

- 13. Contact person in emergency
Name: _____
Address: _____
Mobile phone: _____
Telephone _____ Fax _____
E-mail Address: _____ @ _____

14. Statement of present work

Name of institution _____

Present Position or Occupation _____

Brief description of duties _____

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.

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, Ms.GAO Feng
Address: WMO Regional Training Centre in Beijing
China Meteorological Administration Training Centre
46 Zhongguancun Nandajie, Beijing 100081, China
Telephone: +86-10-68408798
E-mail: intcmatc@cma.gov.cn
