

## WMO OMM

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

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 – public.wmo.int

Our ref.: 03168/2017/ETR/CRS-417

GENEVA, 21 February 2017

Annexes: 2 (available in English only)

Subject: International Training Course on the Application of Meteorological Satellite Products, Beijing, China, 5 to 16 June 2017

Action required: For information and appropriate action, as necessary

Ref.: 03168/2017-1.2 DRA/ETR

Dear Sir/Madam,

I have pleasure to inform you that the People's Republic of China will host an international training course on the Application of Meteorological Satellite Products, from 5 to 16 June 2017, at the China Meteorological Administration Training Centre (CMATC), Beijing Component of WMO RTC in China.

The course is designed to help trainees to learn how to apply meteorological satellite data and products in supporting weather forecasting, environmental monitoring and carrying out research. In addition to reinforcing the basic theory and practice participants will also learn of the latest developments in the application of meteorological satellite data and products. The course will be conducted in English. Please find attached the Enrolment Information (Annex 1) for detailed information on this course.

Interested candidates are requested to complete the attached Application Form (Annex 2), 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 [aplycmatc@cma.gov.cn](mailto:aplycmatc@cma.gov.cn) as soon as possible but **not later than 24 April 2017**.

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

## INTERNATIONAL TRAINING COURSE ON THE APPLICATION OF METEOROLOGICAL SATELLITE PRODUCTS

(Beijing, China, 5 to 16 June 2017)

### ENROLMENT INFORMATION

The International Training Course on the Application of Meteorological Satellite Products is organized by China Meteorological Administration (CMA) Training Centre (Beijing Component of WMO RTC in China) and China National Satellite Meteorological Centre (NSMC), sponsored by CMA.

#### Courses Aim

The course is aimed to enhance the trainees' knowledge and skills in the application of meteorological satellite data and products in supporting weather analysis, weather forecasting, environmental monitoring and disaster risk management. In addition to reinforcing the basic theory and practice the participants will also learn the latest developments in the application of meteorological satellite data and products, especially the recently launched FY-4A satellite.

#### Expected Learning Outcomes

After the courses, participants will be able to:

- 1) Apply the basic theory and principles of radiative transfer to the interpretation of meteorological satellite imagery and products;
- 2) Access, select, display and manipulate satellite data;
- 3) Carry out weather analysis and forecasting by using meteorological satellite imagery and data in particular FY-4A;
- 4) Use Satellite Weather Application Platform (SWAP) and Satellite Monitoring Analysis Remote-sensing Toolkit (SMART).

#### Target Audience

This course is targeted at senior meteorologists engaged in the field of meteorological satellite data and products application and senior officials engaged in meteorological satellite management who wish to better understand the satellite meteorology.

Applicants are required to work in the National Meteorological and/or Hydrological Service (NMHS), especially for the developing countries.

#### Course Contents

The course contents include:

- 1) General introduction to the FY satellites and their application;
- 2) Current and future products of geostationary satellite including FY-4A products such as wind profiling radar (WPR), cloud spectral image, lightning image observation, space weather monitoring;
- 3) Satellite meteorology, the content and characteristics of satellite observation;
- 4) Satellite data reception and handling;
- 5) Weather analysis and forecasting by using meteorological satellite data;
- 6) User-oriented satellite application platform: SWAP and SMART which will cover laboratory practice for torrential rain and strong convective weather monitoring, wild fire monitoring, and drought monitoring;
- 7) Participants' forum during which the participants would make a presentation regarding the application in satellite meteorology in their own country/region.

## Course Format

The training format includes lectures, hands-on session, group discussion, and field trip.

## Student Assessment

- 1) An observation will be made by the training course organizer at RTC-Beijing and the participants' attendance and performance at the lectures and other learning activities of the training course would be recorded;
- 2) Each participant is required to make a presentation with PPT concerning satellite meteorology in their country;
- 3) Each participant is required to submit a conclusion report on the training, no less than 800 words, to examine their understanding and acceptance of the knowledge transferred;
- 4) The instructors will assess participants' performance in hands-on sessions.

## Instructors

Senior experts in relation to the climate service from WMO, CMA, China National Satellite Meteorological Centre (NSMC), CMA Training Centre etc.

## Course Language

The course will be conducted in **English**.

## Participant Qualifications for Admission

The applicants must:

- 1) Be senior meteorologists or senior officer who are working in National Meteorological and Hydrological Services of developing countries;
- 2) Be engaged in weather operational work or management with a minimum of **four year's** professional experience;
- 3) Be proficient in English;
- 4) Prepare a report on satellite meteorology of the participants' work organizations and a brief introduction of the participant's professional experiences for the purpose of exchanges at the Participants' forum;
- 5) Be in good physical health with no infectious diseases. Physically fit to fulfill all training activities;
- 6) Not bring family members to the training course; if bringing a family member, the participant has to pay extra expense;
- 7) Observe all the laws, rules and regulations of People's Republic of China and RTC-Beijing and respect the Chinese customs during the training period.

## Application and Selection Process

- 1) The nominated candidates are requested to submit the Application Forms and Passport Copy (necessary) together with evidence of English proficiency (if there is) to RTC-Beijing for selection and endorsement;
- 2) Application shall be submitted and reach RTC-Beijing no later than **24 April 2017** with a copy to the WMO Secretariat;
- 3) 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**, and Application Forms) to RTC-Beijing;
- 4) **Only accepted applicants** that receive the Admission Notices and Invitation Letters endorsed by RTC-Beijing can participate in the training course;
- 5) Normally one application from each Developing Country or two applications from each Least Developed Country are endorsed by the RTC-Beijing for the local support; other

accepted applications or their respective governments need cover the cost of their accommodation and meals during the training period.

### **Costs**

- 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 participant from developing countries, including accommodation, meals, and pocket money (50 Yuan RMB per day, 600 Yuan RMB in total);
- 3) 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;
- 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 **5 to 16 June 2017**. Any liability or expense out of this term shall be entirely at the expense of the participants;
- 6) The organizer of the Training Course on the Application of Meteorological Satellite Products 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.

### **Deadline for Application**

The application with a passport copy should be sent to RTC-Beijing with copy to WMO Secretariat no later than **24 April 2017**.

Contact Person: Ms. WANG Tingbo, Training Organizer  
Address : WMO Regional Training Centre in Beijing  
China Meteorological Administration Training Centre  
46 Zhongguancun Nandajie, Beijing 100081, P.R. China  
Telephone : +86-10-6840 8798  
E-mail : applycmatc@cma.gov.cn  
intcmatc@cma.gov.cn

---

**INTERNATIONAL TRAINING COURSE ON THE APPLICATION OF METEOROLOGICAL  
SATELLITE PRODUCTS**

(Beijing, China, 5 to 16 June 2017)

**APPLICATION FORM**

**Note:** Please complete the form in **TYPED CAPITAL LETTERS** and get it scanned as a PDF version, and send it directly to RTC-Beijing by e-mail with a copy of the passport **not later than 24 April 2017.**

**I. Personal Data**

- | <p>1. Surname _____<br/>Given Name _____</p> <p>2. Gender _____</p> <p>3. Date of Birth(Y/M/D) _____</p> <p>4. Passport Number _____</p> <p>5. Nationality _____</p> <p>6. Health Condition _____</p> <p>7. History of infectious disease:    <input type="checkbox"/> No    <input type="checkbox"/> Yes<br/>_____ (Please specify if yes)</p> <p>8. Address: _____<br/>Mobile phone: _____ Telephone _____<br/>E-mail Address: _____ @ _____</p> <p>9. Contact person in emergency<br/>Name: _____<br/>Mobile phone: _____ Telephone _____<br/>E-mail Address: _____ @ _____</p> <p>10. Place of the Chinese Embassy/Consulate/Visa Office where you wish to apply for the visa (if a Chinese visa is required):<br/>_____</p> <p>11. Statement of present work<br/>Name of institute (Department/Division/Section) _____<br/><br/>Position held _____<br/>Brief description of duties<br/>_____<br/>_____<br/>_____</p> <p>12. Previous employment history</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Date</th> <th style="width: 35%;">Institution</th> <th style="width: 50%;">Position and Duties</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>13. Educational and/or professional qualification</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Date</th> <th style="width: 40%;">Major and University</th> <th style="width: 45%;">Degree/Diploma</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | Date                 | Institution         | Position and Duties |  |  |  |  |  |  |  |  |  | Date | Major and University | Degree/Diploma |  |  |  |  |  |  |  |  |  | <div style="border: 1px solid black; width: 100%; height: 100%; display: flex; align-items: center; justify-content: center;">  </div> |
|--|----------------------|---------------------|---------------------|--|--|--|--|--|--|--|--|--|------|----------------------|----------------|--|--|--|--|--|--|--|--|--|---|
| Date   | Institution          | Position and Duties |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
| Date   | Major and University | Degree/Diploma      |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |
|  |                      |                     |                     |  |  |  |  |  |  |  |  |  |      |                      |                |  |  |  |  |  |  |  |  |  |   |

14. 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

15. 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

If you require travel support, to whom do you intend to apply?

---

Depart City & Airport: \_\_\_\_\_

**III. International 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.

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

**V. Endorsement of the Nominator**

(the Nominator should be the Permanent Representative of WMO in your country)

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. WANG Tingbo, Training Organizer  
Address : WMO Regional Training Centre in Beijing  
China Meteorological Administration Training Centre  
46 Zhongguancun Nandajie, Beijing 100081, P.R. China  
Telephone : +86-10-6840 8798  
E-mail : [applycmatc@cma.gov.cn](mailto:applycmatc@cma.gov.cn)  
[intcmatc@cma.gov.cn](mailto:intcmatc@cma.gov.cn)

---