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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.: 18159/2018/ETR/CRS-2118

11 July 2018

Annexes: 3 (available in English only)

Subject: Third International Training Course on "Climate Analysis and Applications",
15-19 October 2018, Ankara, Turkey

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

I have the pleasure to inform you that the Republic of Turkey will host an international training course on "Climate Analysis and Applications" from 15 to 19 October 2018, at the WMO Regional Training Centre (RTC) facilities in Ankara, Turkey.

This training course aims at enhancing knowledge and experience of professional staff in operational climatology, climate research and applications. The scope of the course includes theoretical and practical aspects for understanding the climate system and methodologies for climate analysis and applications. Focus will be made on climate observations, climate data sets, monthly and seasonal climate analyses, annual climate assessment, climate classification, climate indices, heating and cooling degree days, climate change assessment and projections. The course will be conducted in English. Please find attached the "Course Information" and "Provisional Agenda" for more information about the course and application process and conditions.

The Turkish State Meteorological Service (TSMS) will waive the tuition fee and provide full board accommodation, including bed, breakfast, lunch, dinner, and local transfers for only one accepted participant from each country. There will be no additional payment from TSMS to cover per diem or international and domestic travel costs or any other expenses like transit fares, visa fees, etc., which are expected to be covered by the participants themselves or their respective Governments.

Interested candidates are requested to complete the attached "Application Form", which should be endorsed by the Permanent Representative of their respective countries, and send it directly to the RTC Turkey (Ms Nur Söğütçüklü, nsogutcuklu@mgm.gov.tr) not later than **10 September 2018**.

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

Ref.: 18159/2018-15 DRA/ETR

3rd INTERNATIONAL TRAINING COURSE ON

“CLIMATE ANALYSIS AND APPLICATIONS”

15-19 OCTOBER 2018

ANKARA, TURKEY

GENERAL INFORMATION

This training course aims at enhancing knowledge and experience of professional staff in operational climatology, climate research and applications. The scope of the course includes theoretical and practical aspects for understanding the climate system and methodologies for climate analysis and applications. Focus will be made on climate observations, climate data sets, monthly and seasonal climate analyses, annual climate assessment, climate classification, climate indices, heating and cooling degree days, climate change assessment and projections. Tools such as GIS and its use in climate applications as well as regional climate modeling, etc. will also be addressed. The course will provide the opportunity to make participants familiar with the existing WMO publications relevant to best practices in operational climatology and climate science.

Objectives of the Training Course

Training Course on Climate Analysis and Applications provides an understanding of climate system, climate variability and change, climate observation and networks including in-situ and remote sensing, climate data, climate monitoring and assessment. In addition to that, this training will provide an opportunity to exchange information/knowledge and experience and use of climate toolkit.

- Climate Service Information Systems (CSIS)
- Climate Service Toolkit (CPT, RClmDex, CLIMPACT, etc.)
- GIS applications for Climate Analysis (mapping, modeling, etc.)
- The quality management and competencies for climate services
- Needs to meet better climate information and services for climate change adaptation and mitigation

Content

- The climate system, climate definitions
- Climate classifications via different methods
- Climate Observations and networks, including in-situ and remote sensing

- Monitoring and assessment of climate variability at various time-scales (Monthly, seasonal, annual, decadal and multi-decadal),
- Using Climate Predictability Tool (CPT) for seasonal climate prediction
- Climate risk management and sector specific climate indices
- GIS applications for Climate Analysis (mapping, modeling, etc.)
- Climate change assessment and Regional Climate modeling and projections
- Eastern Mediterranean Climate Centre (EMCC)

Course Format

The course will consist of presentations, hand-on data analysis and field trips.

INTERNET FACILITIES

Wireless internet will be available. The password will be provided to the participants during the training.

Working Languages of the Course

The Training Course will be conducted in English and all documentation will be in English. No translation/interpretation services will be provided.

Eligibility and Application

This training course is open to researchers, engineers from climatological services, universities or research centers. Participants should have BSc or above in meteorology, climatology or related sciences and at least 3 years of experience with sufficient computer skills. The candidates will make an application via e-mail to the contact person.

Deadline for application: 10 September 2018

Course Coordinator



For any information regarding Regional Course and local logistics arrangements, participants may contact with

Course Coordinator

For any information for local logistics and other arrangements, participants may contact with;

Ms. Nur Söğütçüklü

External Relations Division

Phone: 0090 312 302 27 94

E-mail: nsogutcuklu@mgm.gov.tr

Technical Coordinator

For any information regarding the technical aspects of the course participants may contact with;

Mr. Serhat Şensoy

Climatology Division

Phone: 0090 535 972 33 05

E-mail: ssensoy@mgm.gov.tr

Required Documents for Application

- 1- Official Letter: A letter signed by the Permanent Representative from your institution nominating you for the training course.
- 2- Application Form: This form should be filled by the participant and signed it by Permanent Representative from your institution and send with the official letter.
- 3- Photocopy of passport: to be submitted with the application form, if you possess your passport which you will carry when entering Turkey for this training. If not, you are requested to submit its photocopy as soon as you obtain it. *Passport photocopy should include the following: Name. Date of Birth. Nationality. Sex. Passport number and Expire date.

Training Course- Related Information

Training Course will be held in Ankara Facilities of RTC Turkey, located on the following address:

Kütükçü Alibey Caddesi No:4 06120 Kalaba, Keçiören/ANKARA



Travel and Accommodation Arrangements

As the host of the training, TSMS will arrange transportation to and from the Ankara Esenboğa airport to the Ankara Facilities of RTC Turkey and transportation for the field visits, accommodation and meals throughout the training (14-20 October 2018) and coffee breaks for participants. TSMS will also cover the tuition fee.

Please be informed that no per diem and travel costs will be paid and it is expected from participants to cover all of their domestic expenses in their own country (including their domestic travel expenses in their own countries, Visa fees, etc.)

**3rd INTERNATIONAL TRAINING COURSE ON CLIMATE ANALYSIS AND APPLICATIONS
(Provisional Agenda)**

| Date Time | 15 October Monday | 16 October Tuesday | 17 October Wednesday | 18 October Thursday | 19 October Friday |
|--------------------|-------------------------------------------|--------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|
| 09:00 | Registration | Climate Monitoring/Assessment | Introduction to basic of Ozone & UV Radiation | Climate classifications via different methods | Climate Services Toolkit |
| 09:45 | Coffee Break | | | | |
| 10:00 | Opening Ceremony | Climate Monitoring/Assessment | The Principle of Ozone & UV Observations. | Climate classifications via different methods | Risk and Sector Specific Climate Indices, CLIMPACT |
| 10:45 | Coffee Break | | | | |
| 11:00 | RTC facility orientation | GIS application for Climate Analysis | Ozone Research | Climate Predictability Tool (CPT) | Risk and Sector Specific Climate Indices, CLIMPACT |
| 11:45 | Coffee Break | | | | |
| 12:00 | Participant Self-Introduction | GIS application for Climate Analysis | Visit to Brewer and UV Biometer Site | Climate Predictability Tool (CPT) | Eastern Mediterranean Climate Center as Node of WMO RA VI RCC |
| 12:45-14:00 | Lunch | | | | |
| 14:00 | Climate definitions | Urban Climatology, | Climate Observing systems | Regional Climate Modeling | The quality management and competencies for climate services |
| 14:45 | Coffee Break | | | | |
| 15:00 | The Climate system | Urban Climatology, | Statistical Tools in Climate Applications | Regional Climate Modeling | National Climate Monitoring Products |
| 15:45 | Coffee Break | | | | |
| 16:00 | Climate change impacts on water resources | Climate Data Management, | Statistical Tools in Climate Applications | Regional Climate Modeling | Needs to better climate information, Discussion/Remarks |
| 16:45 | Coffee Break | | | | |
| 17:00 | Climate change impacts on water resources | Climate Data Management, | Climate Assessment Reporting | CM-SAF Climate monitoring, | Certificate ceremony |

**3rd International Training Course on
“Climate Analysis and Applications”
15 – 19 October 2018, Ankara, Turkey**

APPLICATION FORM

Note: Please complete the form in **CAPITAL LETTERS**; get it scanned in PDF version, and send directly to the Ms. Nur Söğütçüklü (nsogutcuklu@mgm.gov.tr) by e-mail **with a passport copy and official letter signed by your PR** not later than **10 September 2018**.

| | | |
|------------------------------|---------------------------------------------------------------|-------|
| 1. Country: | | Photo |
| 2. Given name: | | |
| 3. FAMILY NAME: | | |
| 4. Gender: | <input type="checkbox"/> Female <input type="checkbox"/> Male | |
| 5. Date of birth: | | |
| 6. Nationality: | | |
| 7. Passport number: | | |
| 8. Name of the Organization: | | |
| 9. Official address: | | |
| 10. Telephone number: | | |
| 11. E-mail address: | | |
| 12. Health condition: | | |

| | |
|-----------------------------------------------------|--|
| 13. Details of contact person in case of emergency: | |
|-----------------------------------------------------|--|

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|------------------------------------------------------|--|
| 14. Qualification (certificates, diplomas, degrees): | |
|------------------------------------------------------|--|

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15. English proficiency: | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Nil |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-------------------------------------------------------|--|
| 16. Current position and brief description of duties: | |
|-------------------------------------------------------|--|

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| 17. State why you wish to attend the course and indicate the practical use of the course to your work in the future: | |
|----------------------------------------------------------------------------------------------------------------------|--|

| | |
|------------------------------------|----------------------------------------------------------|
| 18. Do you require travel support? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|------------------------------------|----------------------------------------------------------|

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 19. Do you need an entry visa for Turkey? (http://www.mfa.gov.tr/visa-information-for-foreigners.en.mfa) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|

20. Departure City & Airport:

21. Declaration by applicant:

- 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.
- 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 Turkish laws and will respect the local customs and follow the course regulations during my stay in Turkey for the training course.

Date:

Signature of applicant:

22. Statement by the Permanent Representative with WMO on why this nominee should be selected for this course:

- I endorse this application.

Date:

Signature of Permanent Representative:

Contact Person Details

Contact Person : Ms. Nur Söğütçüklü
Telephone : +90 312 302 27 94
E-mail : nsogutcuklu@mgm.gov.tr
Address : Kütükçü Alibey Mahallesi No:4 Keçiören / ANKARA

To be returned to the Focal Point not later than 10 September 2018