



WMO OMM

World Meteorological Organization
 Organisation météorologique mondiale
 Organización Meteorológica Mundial
 Всемирная метеорологическая организация
 المنظمة العالمية للأرصاد الجوية
 世界气象组织

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Our ref.: 17997/2019/WDS/TCP/RAI-TC-TC/PWS19

15 July 2019

Annexes: 2 (available in English only)

Subject: The ninth RA I Training Course on Tropical Cyclones and Public Weather Services, Saint-Denis, La Réunion, 4-9 November 2019

Action required: To complete and submit nomination form **on or before 12 August 2019**

Dear Sir/Madam,

I am pleased to inform you that at the kind invitation of the Government of France, the ninth RA I Training Course on Tropical Cyclones and Public Weather Services for meteorologists or hydrologists involved in tropical cyclone forecasting will be held in La Réunion, France, from 4 to 9 November 2019.

The Training Course will be conducted in English and French, at the Regional Specialized Meteorological Centre (RSMC) Tropical Cyclone Centre La Réunion. Traditionally, five days will be allocated to the tropical cyclone forecasting and warning component. One additional day will be specifically dedicated to Public Weather Services training, focused on the provision of Impact-Based Forecast and Warning Services (IBFWS).

I am therefore pleased to invite you to nominate a forecaster from your Service to participate in this training course. An outline of the programme for both components of the training is enclosed herewith (Annex I). The Information Note for participants will be made available in due course.

Due to limited funds available for this event, it is hoped that your Service could cover the expenses relating to the attendance of your nominated participant. However, upon request, WMO could consider providing financial support for travel (most economical route) and lump sum amount in lieu of per diem for the participation of your nominated expert. If such assistance is required, kindly indicate in the nomination form (see Annex II).

In order to clarify the WMO insurance coverage for non-staff members, please advise your nominated participant, before he/she undertakes travel, as follows:

"In the case of non-staff members of the Organization who are authorized to travel at its expense and/or who are receiving a daily subsistence allowance, the WMO accepts limited responsibility for compensation in the event of death, illness or injury attributable to attendance at meetings or the performance of services on behalf of the Organization. These persons are therefore fully responsible for any expenses incurred as a result of events"

To: Permanent Representatives of Members of the RA I Tropical Cyclone Committee (TCC) for the South West Indian Ocean (limited distribution)

cc: Mr Daouda Konate, President of RA I, Abidjan, Côte d'Ivoire
 Mr David Goutx, Chairperson of the RA I TCC, La Réunion, France
 Mr Philippe Caroff, RSMC La Réunion, La Réunion, France

which are not attributable to attendance at meetings or the performance of services on behalf of the Organization and for arranging such life, health and other forms of insurance as they consider appropriate”.

For administrative purposes, I should be grateful if you could notify the WMO Secretariat **on or before 12 August 2019**, whether an expert from your Service will be able to participate and whether financial assistance would be required.

I wish to take this opportunity to thank you for your continued support in promoting the Programmes and activities of WMO.

Yours faithfully,



(W. Zhang)
for the Secretary-General

17997/2019/WDS/RA-I/TC-TC-PWS-9, ANNEX I**9TH RA I TRAINING COURSE ON TROPICAL CYCLONES
AND PUBLIC WEATHER SERVICES****RSMC – TROPICAL CYCLONE CENTRE LA REUNION, FRANCE
4-9 NOVEMBER 2019****OUTLINE OF PROVISIONAL PROGRAMME**

The aims of this training course are to increase participants' theoretical and practical knowledge of tropical cyclones with particular emphasis on analysis and forecasting techniques, and to learn strategies and methodologies for the effective delivery of public weather and warning services. The main subject areas to be covered will include:

Tropical Cyclone

- Climatology of the South-West Indian Ocean cyclone basin;
- The tropical cyclone genesis and structure;
- Tropical cyclone track and intensity forecasting;
- Atypical systems and tropical cyclone extratropical transition;
- Satellite analysis techniques (Dvorak Technique, use of microwave / scatterometer data);
- NWP, ensemble forecasting, and TC track prediction models;
- Tropical cyclone seasonal forecasting;
- Waves and storm surge; and
- Operational tropical cyclone forecasting and advisory preparation.

Public Weather Services

- Introduction to Public Weather Services; the WMO Guidelines on Multi-hazard Impact-based Forecast and Warning Services (IBFWS) (WMO No. 1150) and the Common Alerting Protocol (CAP).
- Approach to the Impact-based Forecast and Warning Services, including:
 - Introduction and implementation steps.
 - The concept of vulnerability and exposure
 - Engaging relevant stakeholders, collecting and understanding their requirements for IBFWS
 - Development and usage of Impact Matrix Tables
 - Impact and Risk modelling overview
 - Practical exercises.
 - Public education and outreach;
 - Partnership and coordination with disaster management and civil protection agencies and the media;
 - Discussion on : Verification of products and evaluation of public weather services; Communicating uncertainty; and Social and economic impacts of IBFWS.
- Successful examples of IBFWS implementation (South Africa, Australia)

Additionally, the participants will be invited to make presentations as regards the operational forecasting and public weather service delivery of their own Services.

17997/2019/WDS/RA-I/TC-TCPWS-9, ANNEX II

**9TH RA I TRAINING COURSE ON TROPICAL CYCLONE
AND PUBLIC WEATHER SERVICES**

**RSMC LA REUNION
TROPICAL CYCLONE CENTRE, FRANCE
4-9 NOVEMBER 2019**

NOMINATION FORM

The Government of nominates the following candidate as a participant on the above training workshop:

Family Name			Mr / Ms / Dr
First Name			
Address			
City – Country			
Telephone	Office +	Home +	
Fax	Office +	Home +	
E-mail			
Date of Birth			
Passport No.			
Expiry Date			
Primary language*			

* For nominees whose primary language is **not** English, this nomination form **must** be accompanied by a relevant language proficiency certificate as a necessary condition for acceptance.

Qualifications (certificates, diplomas or degrees):

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Training in the field of meteorology (other than as noted in above):

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Brief description of past relevant professional/operational experience (please include experience in aspects of public weather services (e.g. media work, working with disaster management, public outreach and education, etc.) if any and/or relevant planned future work/activities):

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

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.....

Please complete if financial assistance is required from WMO:

Support required: YES ? NO

.....
Date

.....
Signature of Permanent Representative

To be completed and returned by fax + 41 22 730 8021 or by mail, **on or before 12 August 2019 to:**

Attn: Dr Taoyong Peng (TPeng@wmo.int)
Copy: Ms Anne-Claire Fontan (acfontan@wmo.int)
Ms Catherine Bihute (cbihute@wmo.int)

TCP/WDS