

**WMO OMM**

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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Ref.: 14636/2024-1.3 S/DPS

Our ref.: 14636/2024/S/DPS/TCP/RA-IV-Miami-2025

13 September 2024

Annexes: 2 (available in English only)

Subject: RA IV Workshop on Hurricane Forecasting and Warning,
Miami, Florida, USA, 7–11 April 2025

Action required: To nominate an expert and submit completed Nomination Form to WMO
Secretariat **on or before 4 November 2024**

Dear Sir/Madam,

I am pleased to inform you that the Government of the United States of America has kindly agreed to host the Regional Association (RA) IV (North America, Central America and the Caribbean) Workshop on Hurricane Forecasting and Warning in Miami, Florida, from 7 to 11 April 2025.

The workshop will be conducted with simultaneous interpretation in English and Spanish at the Regional Specialized Meteorological Centre – Hurricane Centre (RSMC-HC) of the National Oceanic and Atmospheric Administration/National Weather Service (NOAA/NWS) in Miami, USA. Please find attached herewith an outline of the Provisional Programme ([Annex II](#)). The Information Note for Participants will be provided in due time.

The workshop will provide training for hurricane forecasters from the region, assist RA IV Members in their efforts to improve operational tropical cyclone forecasting and warning, and help participants to understand and communicate better with the stakeholders engaged in the emergency decision-making process. Designed particularly for meteorologists with practical experience in operational tropical cyclone forecasting, the workshop will provide them with refresher training and updated information.

I am pleased, therefore, to invite you to nominate an expert on operational hurricane forecasting and warning from your Service to participate in this workshop. To ensure the effectiveness and positive impacts of the workshop on the work of your Service, it is strongly recommended that the nominated expert be a forecaster who is currently engaged in hurricane and associated weather forecasting, has a direct link to the operational tasks of your Service, and meets the following requirements:

- Holds a university qualification or equivalent, preferably in geo-sciences (meteorology, hydrology, geophysics, environmental sciences, etc.);
- Is expected to continue working in your Service for a long period after participation in the workshop.

To: Permanent Representatives of Members of the Hurricane Committee (limited distribution)
(Canada, France, the Kingdom of the Netherlands, Portugal, Spain, the United Kingdom of Great Britain and Northern Ireland and the United States of America).

cc: Mr Evan Thompson, President RA IV, Kingston, Jamaica
Dr Mike Brennan, Chair of RA IV Hurricane Committee, Miami
Dr R. Pasch, Senior Hurricane Specialist, National Hurricane Centre, Miami

It is hoped that your country will take advantage of this opportunity by nominating a suitable expert, and that due to the limited funds available your Service will be in position to cover the cost of her/his participation.

I should be grateful if the completed Nomination Form ([Annex I](#)) could be returned to the WMO Secretariat Ms Anne-Claire Fontan (acfontan@wmo.int) and Ms Barbara Tapia (btapia@wmo.int) **on or before 4 November 2024.**

Yours faithfully,

A handwritten signature in dark ink, appearing to read 'Ko Barrett', with a long, sweeping horizontal stroke extending to the right.

Ms Ko Barrett
for the Secretary-General

**RA IV (NORTH AMERICA, CENTRAL AMERICA AND THE CARIBBEAN) WORKSHOP
ON HURRICANE FORECASTING AND WARNINGS**

MIAMI, FLORIDA, USA

7–11 APRIL 2025

NOMINATION FORM

Ref.: 14636/2024-13 S/DPS

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

First Name			Mr/Ms/Dr
Address			
City – Country			
Telephone	Office +	Home +	
Fax	Office +	Home +	
Email			
Date of birth			
Passport No.			
Expiry date			
Primary language*			

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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Present position and brief description of current duties

(please include public weather services functions, if any):

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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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.....
.....

.....
Date

.....
Signature of Permanent Representative

To be completed and send by mail, at the latest by **4 November 2024** to:
Ms Anne-Claire Fontan (acfontan@wmo.int) and Ms Barbara Tapia (btapia@wmo.int)

**RA IV (NORTH AMERICA, CENTRAL AMERICA AND THE CARIBBEAN) WORKSHOP
ON HURRICANE FORECASTING AND WARNINGS**

MIAMI, FLORIDA, USA

7–11 APRIL 2025

PROVISIONAL PROGRAMME

While the workshop will include lectures and presentations, emphasis will be placed on group interactions and practical, hands-on exercises.

The main subject areas to be covered will include:

- * Tropical analysis and tropical waves
- * Tropical cyclone genesis and structure
- * Use of reconnaissance aircraft data
- * Doppler radar
- * Satellite applications, including the Dvorak technique, microwave and scatterometer
- * NWP, ensemble guidance and tropical cyclone track prediction models
- * Tropical cyclone track and intensity forecasting
- * Rainfall forecasting
- * Probabilistic guidance and wind speed probabilities
- * Marine forecasting and other TPC/TAFB products
- * Storm surge
- * Extratropical transition
- * Interannual and intraseasonal Tropical Cyclone (TC) variability/seasonal forecasting
- * Operational TC forecasting and advisory preparation
- * Communication and coordination with emergency managers. Messaging:
 - Hurricane Risk
 - Tropical Cyclone Hazards (wind, rain, storm surges, tornadoes, etc.)
 - Uncertainty
 - NHC Advisory Products
 - NHC Wind Speed Probability and Storm Surge Products
- * Coordination with the media
- * Quiz for the whole workshop
- * Conclusions and recommendations

The programme will also include an overview of current research topics and current weather map discussions.
