



## 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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12 January 2026

Annexes: 2 (available in English only)

Subject: RA IV Workshop on Hurricane Forecasting and Warning, Miami, Florida, United States of America, 20–24 April 2026

Action required: To nominate an expert and submit a completed nomination form ([Annex I](#)) to the WMO Secretariat at your earliest convenience, **but not later than 6 February 2026**

Dear Sir/Madam,

I am pleased to inform you that the Government of the USA 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 20 to 24 April 2026.

The workshop will be conducted with simultaneous interpretation in English and Spanish at the Regional Specialized Meteorological Centre - Hurricane Center (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 course.

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.

In this regard, I am pleased 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 is 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, and so forth),
- 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 with WMO (Canada, France, the Kingdom of the Netherlands, Portugal, Spain, the United Kingdom of Great Britain and Northern Ireland and the USA) (limited distribution)

cc: Mr Evan Thompson, president RA IV, Kingston, Jamaica  
Dr Mike Brennan, Chair of RA IV Hurricane Committee, Miami  
Dr Richard Pasch, Senior Hurricane Specialist, National Hurricane Center, 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 a 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 to Ms Anne-Claire Fontan ([acfontan@wmo.int](mailto:acfontan@wmo.int)), Mr Yasushi Mochizuki ([ymochizuki@wmo.int](mailto:ymochizuki@wmo.int)) and Ms Barbara Tapia ([btapia@wmo.int](mailto:btapia@wmo.int)) at your earliest convenience, **but not later than 6 February 2026.**

Yours faithfully,



Ms Ko Barrett  
for the Secretary-General

**RA IV WORKSHOP ON HURRICANE FORECASTING AND WARNING**

**Miami, Florida, USA, 20–24 April 2026**

**NOMINATION FORM**

The Government of ..... nominates the following candidate as a participant in the abovementioned training workshop:

<b>Family Name</b>			Mr/Ms/Dr
<b>First Name</b>			
<b>Address</b>			
<b>City – Country</b>			
<b>Telephone</b>	Office +	Home +	
<b>Email</b>			
<b>Date of Birth</b>			
<b>Passport No.</b>			
<b>Expiry Date</b>			
<b>Primary Language</b>			

**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 (for example, 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 sent by email no later than **6 February 2026** to:

Mr Yasushi Mochizuki ([ymochizuki@wmo.int](mailto:ymochizuki@wmo.int)),  
Ms Anne-Claire Fontan ([acfontan@wmo.int](mailto:acfontan@wmo.int)) and  
Ms Barbara Tapia ([btapia@wmo.int](mailto:btapia@wmo.int))

## RA IV WORKSHOP ON HURRICANE FORECASTING AND WARNING

**Miami, Florida, USA, 20–24 April 2026**

### 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
- Inter-annual and intraseasonal 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, ...)
  - 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.

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