



# GLOBAL CAMPUS FEASIBILITY STUDY: STATUS REPORT

DR. PATRICK PARRISH, WMO EDUCATION AND TRAINING

DR. DAVID FARRELL, CARIBBEAN INSTITUTE FOR METEOROLOGY AND HYDROLOGY

DR. RICH JEFFRIES, UNITED STATES OF AMERICA

MS. JENNIFER MILTON, METEOROLOGICAL SERVICE OF CANADA

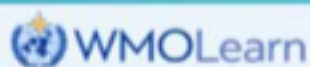
# AGENDA

- WMO Global Campus Endorsements
- Demonstration of WMOLearn Events Calendar
- Demonstration of WMOLearn Library
- Global Campus: Status of Feasibility Study– Goals and Activities
- Global Campus Feasibility Study Working Structure
- Other Global Campus Contributions by Members
- The Global Campus Roadmap
- Global Campus Challenges
- Deliverables to EC
- Global Campus Endorsements and Link to WMO Learn

## GLOBAL CAMPUS ENDORSEMENTS

- **SYMET-13:** "Observed that the feasibility activities in the WMO Global Campus demonstration show positive progress. SYMET-13 recommends the WMO Global Campus concept is further developed by the WMO Education and Training community for operational implementation during the 2020 to 2023 Financial period."
- **EC Panel on ETR:** "The Executive Council Panel of Experts on Education and Training **decides** to endorse the WMO Global Campus initiative for developing a coordinated and collaborative network of institutions that work together to meet the growing education and training needs of WMO Members, building upon the existing network of WMO Regional Training Centres (RTCs) and other WMO training partners."

# WMOLEARN – EVENTS CALENDAR PORTAL



[Home](#)

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[Contributor Login](#)



## WMOLearn Events Calendar

A WMO Global Campus Initiative

Learn more by visiting the "WMOLearn Portal".



### EVENTS CALENDAR

Listing of training events

[More](#)



### USER GUIDE

Guidance on how to list and find events

[More](#)



WMOLearn Events Calendar Developed And Hosted By The Caribbean Institute for Meteorology and Hydrology

📍 P.O. Box 130, Bridgetown, Barbados

✉ Email: [learningevents@wmo.int](mailto:learningevents@wmo.int)

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# WMOLEARN – EVENTS CALENDAR SEARCH

- Users are shown current and in progress events around the world.
- Events are entered from registered users on the platform.
- Events are also collated from EUMETSAT



[Home](#)

[Request To Become A Contributor](#)

[Contributor Login](#)

Search...

[Search](#)

[Advanced Filters](#)

## Upcoming Events

### POST GRADUATE CERTIFICATE IN WEATHER FORECASTING

Dates: 05-Feb-2018 to 30-Nov-2018 | Event Format: Classroom course | City: Pretoria | Country: SOUTH AFRICA | Language: English | Host : RTC-Pretoria

### BASIC COURSE IN METEOROLOGY FOR WMO TRANSLATORS AND INTERPRETERS

Dates: 12-Feb-2018 to 29-Jul-2018 | Event Format: Online course | Country: ONLINE | Language: Spanish | Host : AEMET (Spanish Meteorological State Agency)

### NATIONAL CERTIFICATE: WEATHER OBSERVATIONS

Dates: 14-Feb-2018 to 29-Nov-2018 | Event Format: Classroom course | City: Pretoria | Country: SOUTH AFRICA | Language: English | Host : Regional Training Centre

### MID LEVEL METEOROLOGICAL TECHNICIANS' COURSE NO. 44/18

Dates: 02-Mar-2018 to 29-Nov-2018 | Event Format: Classroom course | City: Husbands | Country: BARBADOS | Language: English | Host : RTC Barbados - Caribbean Institute for Meteorology and Hydrology

### ENTRY LEVEL METEOROLOGICAL TECHNICIANS' COURSE NO. 88/18

Dates: 02-Mar-2018 to 27-Jul-2018 | Event Format: Classroom course | City: Husbands | Country: BARBADOS | Language: English | Host : RTC Barbados - Caribbean Institute for Meteorology and Hydrology

# WMOLEARN – EVENTS CALENDAR SEARCH

- Users can perform text searches for events within the calendar platform.

The screenshot displays the WMOLearn website's search interface. At the top, the WMOLearn logo is visible. Below the logo, there are navigation links: "Home", "Request To Become A Contributor", and "Contributor Login". A search bar contains the text "rtm". To the right of the search bar are buttons for "Search" and "Advanced Filters". Below the search bar, the text "4 Search Results" is displayed. The results are listed in a table-like format with four entries:

<b>MID LEVEL METEOROLOGICAL TECHNICIANS' COURSE NO. 44/18</b> Dates: 02-Mar-2018 to 29-Nov-2018   Event Format: Classroom course   City: Husbands   Country: BARBADOS   Language: English   Host: RTC Barbados - Caribbean Institute for Meteorology and Hydrology
<b>ENTRY LEVEL METEOROLOGICAL TECHNICIANS' COURSE NO. 88/18</b> Dates: 02-Mar-2018 to 27-Jul-2018   Event Format: Classroom course   City: Husbands   Country: BARBADOS   Language: English   Host: RTC Barbados - Caribbean Institute for Meteorology and Hydrology
<b>HYDROLOGICAL TECHNICIANS COURSE NO. 28/18</b> Dates: 30-Jul-2018 to 26-Apr-2019   Event Format: Classroom course   City: Husbands   Country: BARBADOS   Language: English   Host: RTC Barbados - Caribbean Institute for Meteorology and Hydrology
<b>AN INTRODUCTION TO MONITORING AND AIR POLLUTION PREDICTION</b> Dates: 22-Dec-2018 to 26-Dec-2018   Event Format: Classroom course   City: Tehran   Country: IRAN, ISLAMIC REPUBLIC OF   Language: English   Host: WMO RTC IRMAO

At the bottom of the page, there is a footer section with the WMOLearn logo, the text "WMOLearn Events Calendar Developed And Hosted By The Caribbean Institute for Meteorology and Hydrology", the address "P.O. Box 130, Bridgetown, Barbados", and the email "Email: learningevents@wmo.int".

# WMOLEARN — EVENTS CALENDAR ADV. SEARCH

- Users can also perform text search and filter their results in the advanced search.

The screenshot displays the WMOLearn Events Calendar Advanced Search interface. The main page shows 4 search results, including:

- MID LEVEL METEOROLOGICAL**  
Dates: 02-Mar-2018 to 29-Nov-2018 | Caribbean Institute for Meteorology and Hydrology
- ENTRY LEVEL METEOROLOGICAL**  
Dates: 02-Mar-2018 to 27-Jul-2018 | Caribbean Institute for Meteorology and Hydrology
- HYDROLOGICAL TECHNICIAN**  
Dates: 30-Jul-2018 to 26-Apr-2019 | Caribbean Institute for Meteorology and Hydrology
- AN INTRODUCTION TO MONITORING AND AIR POLLUTION PREDICTION**  
Dates: 22-Dec-2018 to 26-Dec-2018 | Event Format: Classroom course | City: Tehran | Country: IRAN, ISLAMIC REPUBLIC OF | Language: English | Host: WMO RTC IRMO

The 'Advanced Search' modal window is open, showing the following filters:

- From: [Text Input]
- To: [Text Input]
- Qualification/Competency Framework: [Dropdown]
- WMO Regions: [Dropdown]
- Country: [Dropdown]
- Delivery Format: [Dropdown]
- Language: [Dropdown]

Buttons at the bottom of the modal: Clear Filters, Search, Close.

Footer information:

- WMOLearn
- WMOLearn Events Calendar Developed And Hosted By The Caribbean Institute for Meteorology and Hydrology
- P.O. Box 130, Bridgetown, Barbados
- Email: learningevents@wmo.int

# WMOLEARN — SECURE CONTRIBUTION PORTAL

- Portal for existing contributors to enter new content or update existing content.

The screenshot displays the WMOLearn secure contribution portal. At the top, the WMOLearn logo is visible. Below the logo, there is a navigation bar with links for 'Home', 'Request To Become A Contributor', and 'Contributor Login'. The main content area is titled 'Login' and contains a form with fields for 'Username' and 'Password'. There is a checkbox for 'Remember Username' and a green 'Login' button. A link for 'Forgotten your username or password?' is located below the login button. The footer of the page includes the WMOLearn logo, the text 'WMOLearn Events Calendar Developed And Hosted By The Caribbean Institute for Meteorology and Hydrology', the address 'P.O. Box 130, Bridgetown, Barbados', the email 'learningevents@wmo.int', and the copyright notice 'Copyright © 2018 World Meteorological Organization'.

WMOLearn

Home Request To Become A Contributor Contributor Login

Login

Username

Password

☐ Remember Username

Login

[Forgotten your username or password?](#)

WMOLearn

WMOLearn Events Calendar Developed And Hosted By The Caribbean Institute for Meteorology and Hydrology

P.O. Box 130, Bridgetown, Barbados


Email: [learningevents@wmo.int](mailto:learningevents@wmo.int)

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# WMOLEARN — EXPANDING PARTICIPATION

- Individuals or institutions interested in sharing opportunities through the Calendar are easily facilitated.



[Home](#)[Request To Become A Contributor](#)[Contributor Login](#)

## Request To Become A Contributor

We welcome new contributors to the WMOLearn Events Calendar

*Please limit the number of registered submitters to only those people responsible for announcing events for your institution.*


Submitter Given Name	Submitter Family Name	
<input type="text"/>	<input type="text"/>	
Email Address	Username	
<input type="text"/>	<input type="text"/>	
Password	Confirm Password	
<input type="text"/>	<input type="text"/>	
Institution <a href="#">Add Institution</a>	Country	
<input type="text"/>	<input type="text"/>	
City		
<input type="text"/>		
Person Granting Authority To Contribute Events On Behalf Of The Institution (Name, Job Title and Email)		
Name	Job Title	Email
<input type="text"/>	<input type="text"/>	<input type="text"/>

☐ I confirm that my institution has read and follows the quality guidelines recommended in the [WMO Recommended Quality Guidelines for Global Campus Calendar Submissions](#)

# WMOLEARN — CALENDAR EVENT NOTIFICATION

**WMOLearn New Event Update**

Message 2 of 93



From

WMOLearn

To

Date

01.05.2018 22:55

Dear ,

A new event has been added to the WMOLearn that is within your region. See below for more information.

Title: Distance Learning Course on the Maintenance of Meteorological Observation Instruments

Description: The training course is aimed to enhance the participants' understanding in international and China's meteorological observing system and especially in the operation and maintenance of automatic weather station (AWS).

The training course includes:

Part I: Online Courseware (21 May 04<sup>th</sup> & 3 June)

1) A series of courseware regarding AWS's basic structure and working principle, power supply unit and power maintenance, the operation and maintenance of a variety of sensors.

Part II: Online Lectures via Real-time Systems (4 June 04<sup>th</sup> & 6 June)

1) Introduction to WMO Integrated Global Observing System (WIGOS);

2) Introduction to China's Integrated Meteorological Observing System;

3) Overview of Chinese new automatic weather station (AWS) and 3D visualization demonstration of AWS' structure and operation in Virtual Reality (VR).

Part III: Online Discussion and Closing Ceremony via Real-time Systems (7 June)

Country: CHINA

Host: CMA

Start Date: 2018-05-21 - End Date: 2018-06-07

Visit <https://learn.wmo.int/#/events> for more detailed information

Registered users informed of new events based course designation and geographic specificity/requirements.

**In demonstration phase**



## FUTURE WORK

- Finalize “alerting feature” users of newly created events via emails based on their regions.
- Deploying backup host server locations for constant availability for the Calendar.
- Bug Fixes

# WMOLEARN - CONTRIBUTORS

## CIMH's Developers:

Daison Lowe - IT Specialist (Lead Developer)

Branden Spooner - IT Intern

## WMO Global Campus Task Team:

Bruce Muller

Patrick Parrish

Luciane Veeck

Eduard Podgaiskii

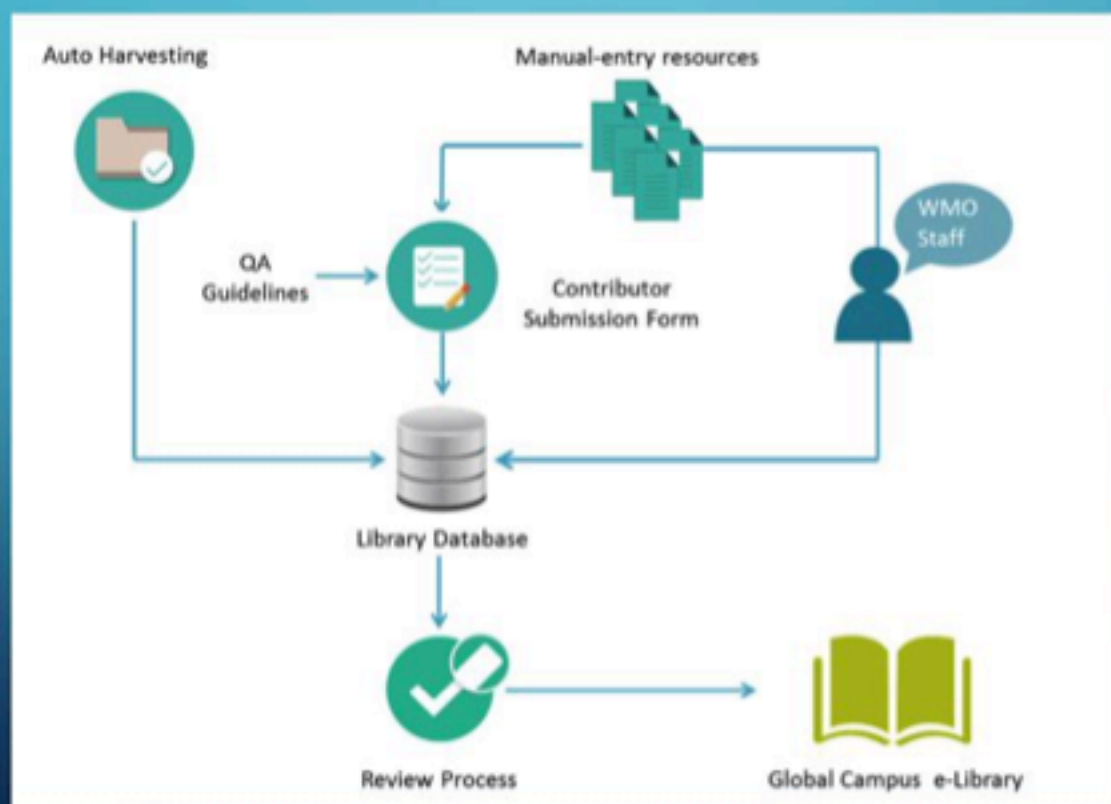
Mustafa Adiguzel

## THE WMOLEARN CAMPUS LIBRARY

- Access to Global Campus learning resources from WMO Secretariat, WMO Technical Commissions and all WMO Members who wish to share resources
- Will particularly focus on meeting learning needs for new WMO competency frameworks, but expand into all WMO disciplinary areas
- We encourage all Members to use the Library, and to make contributions



# LIBRARY SUBMISSION PROCESSES



# GLOBAL CAMPUS: STATUS OF FEASIBILITY STUDY – GOALS AND ACTIVITIES (1)

- Activities Planned & Executed under the Global Campus Feasibility Study:
  - Where actions are finalized and implemented.
    - Guiding principles established and institutionalized;
    - WMOLearn portal
    - Learning Events Calendar
    - Translation Resource Center
  - Where significant progress has been made
    - Learning Resources Library
    - Establishment of an Review Process
    - Climate Services and CAeM events and resources identified
    - Socialization of the Global Campus - presentations at meetings, including SYMET-13

## GLOBAL CAMPUS: STATUS OF FEASIBILITY STUDY – GOALS AND ACTIVITIES (2)

- Where effort is still underway:
  - Events and resources in other WMO Priority areas, especially for new Competency Frameworks;
  - Guidance on creating and sustaining partnerships
  - Guidance on innovative learning approaches
  - Database of experts and institutional capabilities (a Global Campus topography)
  - Standard competency achievement certificates
  - Building a global E&T community of practice

# INCREASED EFFICIENCY THROUGH COLLABORATION AND SHARING: A PWS COMPETENCY EXAMPLE





# GLOBAL CAMPUS DEMONSTRATION PROJECT WORKING STRUCTURE

- Existing management process to facilitate the Global Campus Feasibility Study:
  - Global Campus Working Group (made up of EC Panel of Experts on ETR- ToR, monthly online meetings and reporting process, decisions and guidance on activities and Roadmap development)
  - EC Panel of Experts on ETR – Biennial meetings to discuss progress and make recommendations to guide the feasibility study
  - Specialized task teams - ToR, meetings and reporting process to Working Group
  - WMO Secretariat engages in these development activities and in promotion at WMO constituent body meetings



## OTHER GLOBAL CAMPUS CONTRIBUTIONS BY MEMBERS

- UK provided a Secondment to WMO ETR to develop concept and gain approval for the demonstration project.
- Canada supported development of the Global Campus Translation Resource Centre
- U.S. worked with WMO CBS to develop a training DCPC to host content in WIS
- EUMETSAT developed and supported the software to host the Global Campus Calendar System
- CIMH, UK, U.S., EUMETSAT, VLab, WMO ETR and RTC Russian Federation established a Technical Task Team to help guide development of Global Campus Calendar and Library.
- CIMH is providing hardware, programming and maintenance to host the Calendar system
- U.S. is working with WMO ETR and Library to support development of the learning resources library within the WMO E-Library system
- ***Everyone is invited to participate!***

## REGIONALIZATION OF GLOBAL CAMPUS

- RA-I: Proposed Global Campus side-event for RTCs at RA Meeting in 2019
- RA-II: Proposed national and regional Global Campus coordination events + ROSHYDROMET-led forum for CIS (RA-VI and RA-II)
- RA-III: Planned coordination meeting of regional RTC Directors in 2018, through CIHMET and organization by RTC Peru
- RA-IV: COMET-led regional collaborations and translations (with MSC) + CMO
- RA-V: Investigation occurring on regional training coordination and/or new RTC
- RA-VI: EUMETNET/EUMETCAL cooperation and support to Global Campus

# GLOBAL CAMPUS ROADMAP

- Definition: A strategic plan for the WMO Global Campus initiative that defines goals or desired outcomes, and includes the major steps or milestones needed to reach them. It also serves as a **communication** tool and a high-level document that articulates the strategic thinking behind the WMO Global Campus and the why behind both the goals and the plan for getting there.

## Current Status:

- Near Final Draft Roadmap is available.
- Reviewed in detail by EC Panel of Experts on ETR.
- Developed as a collaborative project by EC Panel of Experts over past 2 years.
- Link to [WMO Global Campus Roadmap](#)



# GLOBAL CAMPUS CHALLENGES

- Finances - Limited budget and human resources are available to support all defined activities
- Complexity of activities requires Member contributions and leadership
- Outreach and Communications -
  - Stronger commitment required for informing communities about the Global Campus initiative and its benefits - should extend beyond the WMO community
  - Monitoring and reporting framework needs to be put in place to evaluate the use, usefulness, and efficiency of all aspects of the Global Campus
- **Seeking Contributions from all Member institutions, Technical Commissions, Technical Departments and Regional Associations**
- **Requires participation by ALL Members and constituent bodies in utilization of Global Campus mechanisms and activities**

## DELIVERABLES TO EC

- Demonstration of Current Global Campus Tools and updates on activities—Today!!
- Positive statements from SYMET 13 and the EC Panel of Experts on Education and Training demonstrate that significant progress has been made and endorse further development by Members.



## GLOBAL CAMPUS ENDORSEMENTS AND LINK TO WMO LEARN

- SYMET-13: "Observed that the feasibility activities in the WMO Global Campus demonstration show positive progress. SYMET-13 recommends the WMO Global Campus concept is further developed by the WMO Education and Training community for operational implementation during the 2020 to 2023 Financial period."
- EC Panel on ETR for EC-70: "**The Executive Council decides** to endorse the WMO Global Campus initiative for developing a coordinated and collaborative network of institutions that work together to meet the growing education and training needs of WMO Members, building upon the existing network of WMO Regional Training Centres (RTCs) and other WMO training partners."
- [Link to WMO Learn](http://learn.wmo.int): <http://learn.wmo.int>



DISCUSSION/QUESTIONS