Our ref.:   6427591/2025/SI/ETR/CRS-1225   19 August 2025

Annexes: 3 (available in English only)

Subject: Training Workshop on Air Quality Monitoring and Analysis (in-person)

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

A comprehensive training workshop on Air Quality Monitoring and Analysis for implementation in African applications is being organized under the auspices of the World Meteorological Organization (WMO). The training workshop will be conducted from 9 to 11 October 2025 at the University Mohammed VI Polytechnic (UM6P), Ben Guerir Campus, Morocco.

The modules covered during the sessions will introduce the participants to the main principles of air quality and meteorological modelling for African applications and related data products, as well as to the means by which these tools can be implemented using African applications. A further aim of the course is to build and strengthen local capacity in Africa on air quality prediction and forecasting and to promote the use of data products.

This training workshop is being organized by the WMO Education and Training Office (ETR) in collaboration with the WMO Global Atmospheric Watch (GAW) programme, as well as, the University Mohammed VI Polytechnic (UM6P), the Direction de la météorologie nationale du Maroc and the African Research Centre on Air Quality and Climate.

You are invited to submit the application of an interested and qualified candidate for consideration. All applications will be reviewed by WMO in collaboration with UM6P. Selection for this course will be made on a competitive basis. When completing the Nomination Form (Annex III), you are requested to provide information on how the participation of your candidate will benefit your service.

Any interested candidate from the WMO Regional Association I (Africa) (RA I) should first apply to WMO and forward a duly completed application form (Annex III) with the relevant attachments to gaw@wmo.int **no later than 27 August 2025**. Candidates selected for the in-person training course will be contacted by WMO regarding travel and related logistics.

Please note that while we encourage Members to cover the expenses of their participants scheduled to attend the course, WMO is prepared to support one participant from each selected Members.

To: Permanent Representatives of Members of RA I with WMO
cc: Hydrological Advisers of Members of RA I with WMO

I would like to take this opportunity to assure you of my unwavering commitment to capacity-building related activities supporting competency development and the Early Warnings for All initiative (EW4All). Thank you for your continued cooperation in this endeavour.

Yours faithfully,

Ms Ko Barrett
for the Secretary-General

Training Workshop on Air Quality Monitoring and Analysis
University Mohammed VI Polytechnic (UM6P), Ben Guerir Campus, Morocco

1	**Host Member**	**Morocco**
2	Host institution(s)	University Mohammed VI Polytechnic (UM6P)
3	Website	https://um6p.ma/
4	Location(city) of Institution(s)	Ben Guerir, Morocco
5	Address of Institution	Lot 660, Hay Moulay Rachid Ben Guerir, 43150, Morocco
7	Course type	In person
8	Main course content	• Air quality and its impacts on climate and health • Satellite and ground sensors for atmospheric composition • The components of an air quality forecasting systems: global vs regional • Air Quality evaluation methodologies and the use of daily model diagnostics
9	Duration of study	3 days (face to face)
10	Course dates	9 – 11 October 2025 (face to face)
11	Target Region and Members	WMO Regional Association I
12	Basic Requirements	• Good skills in English reading, written and spoken (language comprehension). • Bachelor's degree or have an equivalent level of academic background in atmospheric science. • Familiar with Unix/Linux and proficiency in at least one of the programming languages.
13	Language	English
14	Number of awards	Up to 15 participants (based on financial availability)
15	Institution application	Mandatory
16	Admission from Institution	Mandatory
17	Applications close date	WMO: 27 August 2025
19	Contact info	tra@wmo.int and smoreno@wmo.int

Training Workshop on Air Quality Monitoring and Analysis

Venue: University Mohammed VI Polytechnic (UM6P), Ben Guerir Campus, Morocco

Course description

The World Meteorological Organization (WMO) offers a comprehensive training course on Seamless Prediction of Air Pollution in Africa and related data products. This training event is being organised by the WMO Education and Training Office in collaboration with the WMO Global Atmospheric Watch (GAW) programme, as well as, University Mohammed VI Polytechnic (UM6P), Direction de la météorologie nationale du Maroc and the African Research Center on Air Quality and Climate.

The event will be held considering in-person sessions. In-person training will be held at the University Mohammed VI Polytechnic (UM6P), Ben Guerir Campus, Morocco, from 9 to 11 October 2025. The in-person course aims to introduce the participants to the main principles of air quality and meteorological modelling for African applications and related data products, as well as the means to implement these tools for African applications. A further aim of the training is to build and strengthen local capacity in Africa on air quality prediction and forecasting and to promote the use of data products.

Course Format

The training program will be conducted in-person from 9 to 11 October 2025. It will be delivered in a classroom format with hands-on participation of the trainees in using and applying air quality models and associated datasets.

The participants must show satisfactory attendance, progress and timely and satisfactory completion of online tasks/quizzes as per submission deadlines. They are recommended to bring their own laptop.

Expected Learning outcomes

By the end of the course, the participants will have successfully achieved the following outcomes:

1. Understand the principles of air quality modelling for real applications relevant to Africa as defined by the WMO course outlines and objectives.
2. Be able to use and apply relevant datasets such as remote sensing products and air pollutant emissions.
3. Understand the stages of implementation of the air quality and weather models used in the course for air quality and climate service applications
4. Understand the set-up, configuration and operation of models and datasets as well as challenges and relevant to African applications
5. Be able to apply stepwise implementation of the models supported by datasets and analyze and visualize outputs for relevant African applications.

Competencies attained and certificates issued

After successful completion of the course, the candidates will receive a certificate stating the underpinning skills that support the WMO Competency implementation in the "Satellite Skills

and Knowledge for operational meteorologists" framework, which covers parts of Skill 4 'Identify and interpret atmospheric phenomena'. See more information at https://community.wmo.int/en/wmo-competency-frameworks.

Target Audience

The primary audience will be meteorologists working in operational NWS from WMO RA-I Members, specialized technicians, and students of master/Ph.D. programmes. Participants should have at least a bachelor's degree or have an equivalent level of academic background in atmospheric science. Forecasters are expected to have at least 2 years of work experience, knowledge of meteorology and sufficient command of spoken and written English language.

Instructors

Trainers from the WMO Global Atmosphere Watch (GAW) community experts, Copernicus Atmosphere Monitoring Service (CAMS), Direction de la météorologie nationale du Maroc and University Mohammed VI Polytechnic (UM6P) will be the instructors of the course. Additional experts will contribute to specific portions/subjects of the course.

Working language

The course will be conducted in English. No translation in other languages is offered.

Entry requirements

- Understanding atmospheric composition and/or air pollution, atmospheric science (and their interactions with meteorology and climate) and atmospheric numerical models;
- Basic computer literacy for online training.
- Familiar with Unix/Linux and proficiency in at least one of the programming languages (such as Fortran, C++, Python, MatLab, and R);
- Good skills in English reading, written and spoken (language comprehension).
- All above credentials need to be verified by Proof of CV and qualifications.

Work experience: Relevant work experience in atmospheric transport, meteorology/climate, atmospheric composition (i.e., air quality, atmospheric chemistry, wildfires, sand and dust storms), and numerical model prediction and forecasting as well as related datasets is preferred.

Useful resources in preparing for the course

A laptop with a good processor, memory capacity and storage (external storage is advised).
Procedure for application

The Applications must include:
- A letter of motivation in English limited to 200 words;
- A CV;
- Relevant certified qualifications;
- Nomination letter from relevant Permanent Representatives (PR).

All applications will be handled according to the protection of private information requirements.

Application for consideration should be sent to: tra@wmo.int and smoreno@wmo.int clearly marked as subject of the email: *CWCC TRAINING – Morocco 2025*

Deadlines for application: **27 August 2025**

Only successful applications will be notified by email by WMO.

APPLICATION FORM

Training Workshop on Air Quality Monitoring and Analysis
University Mohammed VI Polytechnic (UM6P), Ben guerir Campus, Morocco
9 to 11 October 2025 (face to face)

https://forms.office.com/e/QYgvGfmQ1Y

Note: Please read the Notes and Instructions on the last page before completing this application form

A. PERSONAL	
1. First name	
2. Family name	
3. Country	
4. Date of birth *(DD/MM/YYYY)*	
5. Gender	
6. Passport number	
7. Passport validity	
8. Do you have a disability	Yes / No
If yes, please specify	
9. Permanent home address	
(number, street, postal code, town)	
10. Telephone *(mobile)*	
11. Email	
12. Professional contact	
Name	
Telephone *(office)*	
Professional links	
13. Would you request financial assistance to participate at the course? Yes / No	

B.	**GENERAL**		
1.	Give details of working experience in meteorology and air quality		
Name of organization	Starting and end date	Brief description of role and responsibilities	Reason for leaving

2. Write a brief statement setting out clearly why you have chosen this course and how you intend to use it after graduation

3. Write a brief statement on any services on air quality forecasting in your country (i.e. operational, under development or none)

I declare that to the best of my knowledge all the information on this form is true and correct.

Signature

Date

C.   PERMANENT REPRESENTATIVE ENDORSEMENT

Signature

Date

Notes and Instructions:
Please read these notes and instructions carefully before completing this application form. Be sure to read every section and that the information you provide is accurate.

1. **Applications received after the date of 27 August 2025 will not be considered**
2. **Applications received without the endorsement of the Permanent Representative will not be considered**
3. Incomplete application forms will not be considered.
4. Closing dates for the application dates are published and will be strictly adhered to.
5. A copy of the passport document must be included in the application.
6. Successful candidates will be contacted by email. Make sure that your contact details are correct and clearly written.