



Notre réf.: 6427591/2025/SI/ETR/CRS-1225

19 août 2025

Annexes: 3 (disponibles en anglais seulement)

Objet: Atelier de formation sur la surveillance et l'analyse de la qualité de l'air
(en présentiel)

Suite à donner: Pour information et mesure à prendre, le cas échéant

Madame, Monsieur,

Un atelier de formation complet sur la surveillance et l'analyse de la qualité de l'air pour des applications en Afrique est organisé sous les auspices de l'Organisation météorologique mondiale (OMM). Il se tiendra à l'Université Mohammed VI Polytechnique (UM6P), Campus de Ben Guerir, au Maroc, du 9 au 11 octobre 2025.

Cet atelier comprend plusieurs modules qui porteront sur les grands principes de la modélisation météorologique et de la qualité de l'air pour des applications en Afrique et des produits de données connexes, ainsi que sur les modalités d'utilisation de ces outils à l'aide desdites applications. Il vise également à mettre en place et à renforcer les capacités africaines locales s'agissant de la prévision de la qualité de l'air et à promouvoir l'utilisation des produits de données.

Ce cours est organisé par le Bureau de l'enseignement et de la formation professionnelle de l'OMM (ETR), en collaboration avec le programme de la Veille de l'atmosphère globale (VAG) de l'OMM, l'Université Mohammed VI Polytechnique (UM6P), la Direction de la météorologie nationale du Maroc et le Centre africain de recherche sur la qualité de l'air et le climat.

Dans ce contexte, nous vous invitons à soumettre, pour examen, la candidature d'une personne intéressée et qualifiée. Toutes les demandes seront examinées par l'OMM en collaboration avec l'UM6P. La sélection pour ce cours se fera par voie de concours. Lorsque vous remplirez le formulaire de candidature (voir l'annexe III), veuillez indiquer les avantages que votre Service compte retirer de la participation de votre candidat à la formation.

Les personnes intéressées de la Région I doivent d'abord poser leur candidature auprès de l'OMM, en envoyant un formulaire de candidature dûment rempli (voir l'annexe III), accompagné des pièces jointes requises, à l'adresse gaw@wmo.int **le 27 août 2025 au plus tard**. Les candidats retenus pour la formation en présentiel seront contactés par l'OMM en ce qui concerne le voyage et les dispositions d'ordre pratique.

Il convient de noter que nous encourageons les Membres à prendre en charge les frais de voyage des participants au cours. L'OMM est toutefois disposée à fournir une assistance financière à un participant pour chaque pays Membre sélectionné.

Aux: Représentants permanents des Membres de la Région I de l'OMM

cc: Conseillers en hydrologie auprès des Membres de la Région I de l'OMM

Je saisis cette occasion pour vous assurer de mon engagement sans faille en faveur des activités de renforcement des capacités à l'appui du développement des compétences et de l'initiative «Alertes précoces pour tous» (EW4ALL).

Je vous remercie du soutien que vous apportez à cet égard et vous prie d'agréer, Madame, Monsieur, l'expression de ma considération distinguée.

A handwritten signature in black ink, appearing to read 'Ko Barrett', with a stylized flourish extending to the right.

Ko Barrett
pour la Secrétaire générale

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
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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.