Secretariat Update on ETRP implementation and Publications

ETR Office

11th Meeting of Capacity Development Panel (EC-CDP-11) 23 to 25 September 2025





Coordination on training

- Technical Departments (Competency based trainings)
- ETR Office (Train-the-Trainer, Leadership & Management, MEIG, SYMET, etc.)
- Initiatives (CREWS, SOFF, GCF, etc.)
- Special Projects
- WMO Regional Training Centres (RTC)
- WMO Specialized Centres (RIC, RCC, WIGOS, GAW, VLab CoE, etc.)
- International Organizations (EUMETSAT, ECMWF, etc.)
- Education and Training Partners (Institutions, Universities, Centres, etc.)





Resource sharing

Regular Budgets

- Technical Departments' Regular Budgets
- ETR Regular Budget

Trust Funds

- Technical Departments' Trust Funds
- KMA Trust Fund to support RTCs KMA Trust Fund to support Climate Services
- Initiatives and Projects (CREWS, SOFF, GCF, etc.)
- Co-sponsored and/or hosted by:
 - WMO RTCs, WMO Specialized Centres (RIC, RCC, WIGOS, GAW, VLab CoE, etc.),
 - International Organizations (EUMETSAT, ECMWF, etc.)
 - Other Education and Training Partner Universities and Institutions





Online learning resource development

Weather, Water and Climate Services for Energy







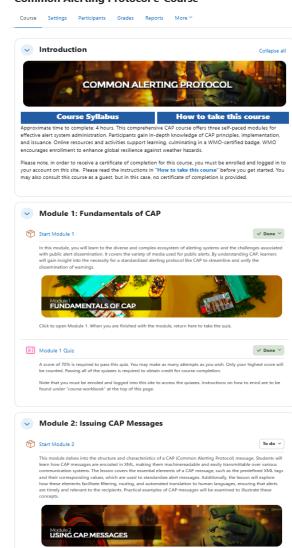
Communicating agrometeorological information



Lesson 1: Introduction to Climate Services for the Agriculture

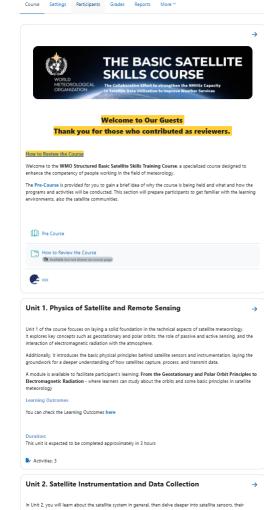
Sector

Common Alertina Protocol e-Course



Click to open Module 2. When you are finished with the module, return here to take the quiz

The WMO Satellite Basic Skills Course



functions and how they generate the data in general. This unit covers how sensors collect, store, and transmit data, ensuring accurate and timely information for weather forecasting and environmental monitoring. You will explore different types of satellite providers and their capabilities. Understanding these concepts is essential for interpreting satellite imagery and effectively applying satellite-derived information in operational and research

WMO RTCs Course Offerings Dashboard

(Based on the annual reports of the RTCs, a PowerBI Dashboard has been developed and made available in the WMO Community Website)

2025 WMO Regional Training Centres Course Offering Plans (To be confirmed)													
Member ANGOLA ARGENTINA BRAZIL CHINA COSTA RICA EGYPT INDIA	☐ Agency for Meteorology, Climatology and Geophysics (BM☐ Centre Régional Agrhymet (AGRHYMET)			Competency Framework Advisors Supporting Disaster Prevention and Mitigation and Aeronautical Meteorological Forecaster Aeronautical Meteorological Observer Competencies for Provision of Climate Services Competency Framework for Calibration (OBS) Competency Framework for Instrumentation (OBS) Competency Framework for Observing Program and Network				Language Arabic Chinese English French Local Portugese Russian					
Reset Selections													
Member ▲	RTC Component	Title of the Course	Delivery I	Mode	Duration	Language	Start Date	Competency Fra	nework				
ANGOLA	Instituto Nacional de Meteorologia e Geofísica (INAMET)	Aeronautical Meteorological Observer	Blended or I	Hybrid	Long-term (more than one month)	Portugese	18/08/2025	Aeronautical Meteoro	ological Observer				
ARGENTINA	Universidad de Buenos Aires (UBA)	Avances en el Estudio de la Capa Límite de la Atmósfera	Blended or Hybrid		Long-term (more than one month)	Spanish	17/03/2025	Other					
ARGENTINA	Universidad de Buenos Aires (UBA)	Circulación y Masas de Agua del Atlántico Sudoccidental y su Impacto Ecológico	Blended or I	Hybrid	Long-term (more than one month)	Spanish	17/03/2025	Other					
ARGENTINA	Servicio Meteorológico Nacional (SMN)	Climate models Verification	Fully Online		Very short-term (less than one month)	Spanish	Second Semester	Competencies for Pro Services	vision of Climate				
ARGENTINA	Universidad de Buenos Aires	Climatología Sinóptica	Blended or I	Hybrid	Long-term	Spanish	13/10/2025	Other					



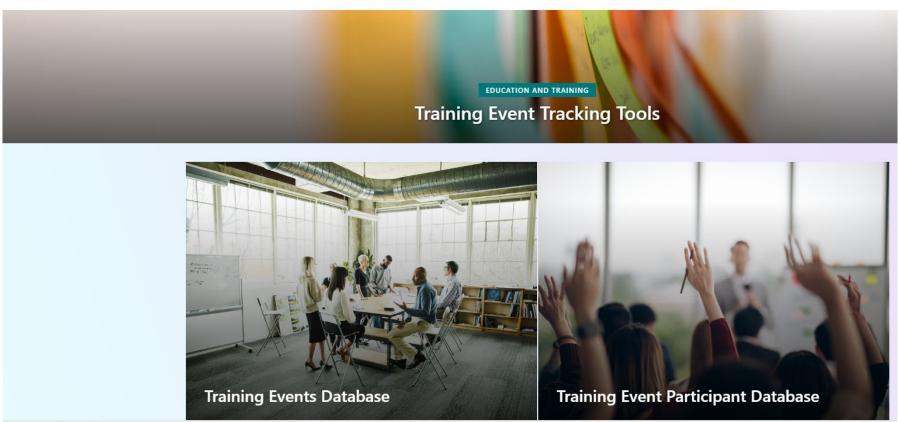




Training Events Planning and Reporting Tools:

(Secretariat wide training events tracking tool has been developed and for better coordination and collaboration (pilot in 2025 and mandatory in 2026)



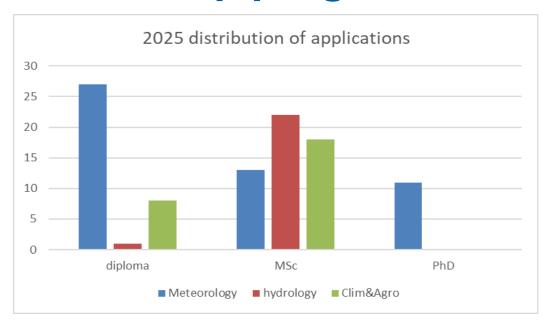




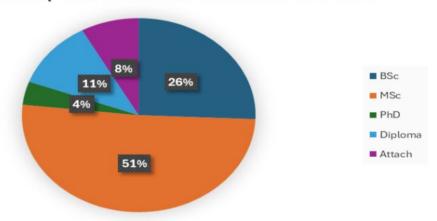


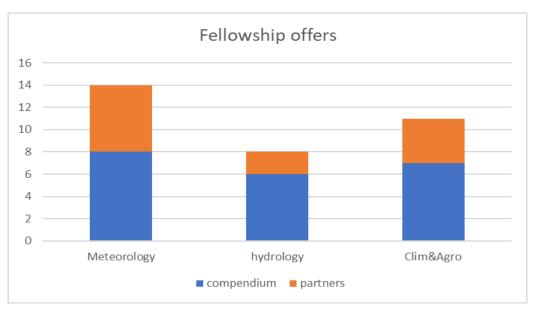


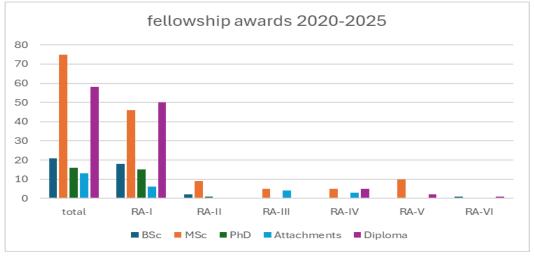
Fellowship program



Fellowship awards financial distribution 2022-2025











WMO RTC External Reviews Update:

(EC-79 Reconfirmed existing RTCs in Argentina, Brazil, Iran, Nigeria) (Two new RTCs in Ethiopia and Fiji and a new component in Egypt proposed and to be reviewed)

Year of Review	Host Member	Review Dates	Last Review	Comments	8 years (as of expected review year)	Expert by CDP
	Brazil	21-27 August 2024	2015	One year delay	+1	Albert Martis
Reviewed in 2024 and	Peru	9-11 October 2024	2010 (UNALM) 2017 (SENAMHI)	Review of components combined	+6 / -1	Carla Gulizia
approved by	Argentina	28 October – 1 November 2024	2016	On time	0	Albert Martis
EC-79 in 2025	Nigeria	3-9 November 2024	2016	On time (A new component added)	0	Winifred Jordaan
	Iran	10-12 December 2024	2016	On time	0	Maria Mamaeva
	Fiji	11-14 November 2025 (TBC)	n/a	Candidate New RTC	n/a	
Planned to be reviewed in 2025	Egypt	To be decided	2018	Candidate new component to existing RTC	-1	
	Ethiopia	To be decided	n/a	Candidate New RTC	n/a	

Planning ahead for 2026

WMO SYMET-15

- •Identify emerging trends, needs, opportunities, and challenges in meteorological and hydrological education and training.
- •Define the international organizing committee, theme, sessions, expected outcomes, and financial resources.
- •If held in person or hybrid: Explore the possibility of organizing SYMET back-to-back with a CDP session.

WMO Quadrennial Survey on the status of human resources in NMHSs

- Conduct a comprehensive survey of staff, competencies, and qualifications.
- Design the survey to:
 - Capture evolving needs and priorities.
 - Ensure broad representation and relevance.
 - Provide data to guide ETR program updates and resource prioritization.

Prioritization of training needs in 2026

- Establish a systematic approach combining bottom-up needs assessment with top-down planning.
- Strengthen coordination with all stakeholders
- Provide targeted guidance to Regional Training Centres (RTCs).

Cost-efficiency and impact of fellowship program

- •Update criteria, standards and rules for fellowship management.
- •Improve award structure, ensuring fair regional distribution.
- •Evolve the centralized fellowship database.
- Build new cost-effective and regional-distributed partnerships





Mandatory Publications to be updated by 2027

 Guidelines for the education and training of personnel in meteorology and operational hydrology Volume II: Hydrology WMO 258,

containing the Basic Instruction Package for hydrologists and hydrological technicians, to be published as WMO 1083 Vol II, with impact on update of WMO 49

Guide to competency – WMO 1205

Updates based on the feedback from the Members in the process of competency implementation

To address the link between competency and job description

To address the "not yet competent" cases

Compendium of WMO Competency Frameworks – WMO 1209 – updated in 2025 for TC

A knowledge framework on the use of NWP is requested as being overarching. Lack of consistency in approach and needs more clarity on performance criteria Ambiguous information in "Background knowledge and skills"





Other Publications to be updated by 2027

- Guide to the Management and Operation of WMO Regional Training Centres and Other Training Institutions – WMO 1169
- Guidelines for Designation or Reconfirmation of WMO Regional Training Centres (RTCs)
- Manual on policies and procedures for WMO Fellowships ETR 18
- Guidelines for Applying for a WMO Fellowship WMO 1104





Recommended actions for consideration by CDP

- •Authorize the Secretariat to explore the feasibility of holding the CDP session back-to-back with SYMET-15 in the second half of 2026.
- •Include the review of the draft updates of relevant publications in its workplan.
- •Provide guidance on key activities including the survey, SYMET-15 concept and organization, RTC recognition and review, training needs prioritization, and the evolution of the fellowship program based on the Secretariat's updates.





Thank you!



