

EC-CDP-11

23-25 September 2025

Updates from SERCOM capacity development activities

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SC-AGR CDP Activities Highlights

Current activities:

- [Communicating Agrometeorological Information \(WMO\)](#) – ETR Moodle website
- Rainfall-based Crop Calendars (English, French and Spanish) - ETR Moodle website
- Integrated Drought Management Online Course: Monitoring and Early Warning (WMO, GWP and UNDP CAP-NET) - [English](#) and [French](#)
- [Integrating Gender Equality and Social Inclusion in National Drought Management Planning \(FAO, GWP and WMO\)](#)

Planned activities:

- Introducing Crop Calendars for Climate Adaptation (WMO and FAO) – Q4 2025
- Drought Risk and Impact Assessments – Q4 2025 (WMO, UNCCD, GWP)
- Drought Mitigation, Preparedness and Response – Q4 2025 (WMO, UNCCD, GWP)
- Training on Pest and Disease Modeling – Q2 2026 (dependent on funds) ETR Moodle site

Due to limited WMO funds, current focus is on developing e-learning courses.

SC-AVI CDP Activities Highlights

Updates socialized with CDP (Aug–Sept 2025):

1. *Guide to Competency (WMO-No. 1205)* → new guidance for personnel assessed as “not yet competent”
2. *Compendium of WMO Competency Frameworks (WMO-No. 1209)* → new volcanic ash advisory centre (VAAC) forecaster competency framework

Next steps:

- Proposals to be submitted to **SC-AVI-4 (Nov 2025)**
- Then to **SERCOM-4 (Oct 2026)**

Ongoing work:

- Finalizing updates to **BIP-M and BIP-MT compliance mapping worksheets and workflows** for AMP
- Supports applicability of **amendment to WMO Technical Regulations (1 Jan 2026)**

A set of frequently asked questions (**FAQs**) relating to the upcoming amendment was updated by SC-AVI in June 2025 ([available here](#))



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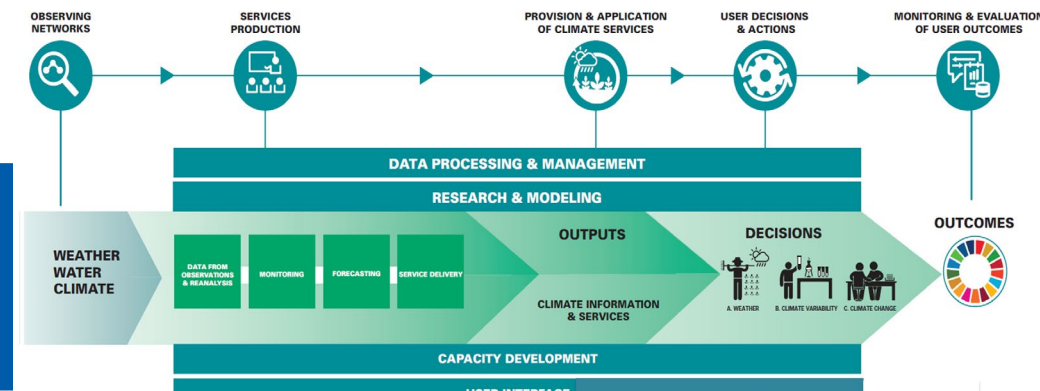
SC-CLI CDP Activities Highlights

Climate Services Information Systems for Decision Support (ET-CIDS)

- Workshop on Climate Services to Enhance Access to Climate Finance for Senior Directors of NMHSs – Beijing, China, 22-25 September 2025
- Training on Operational Seasonal Forecasting & National Climate Forums: For Mauritius (Sept 2025), Samoa, Jamaica, Angola, and Seychelles.
- CSIS-R Implementation Training & Climate Services Toolkit Customization: For Africa-Caribbean-Pacific (ACP) regional Climate centres (Aug 2025)
- Training on Operational Seasonal Forecasting & National Climate Forums: For Cameroon, Burkina Faso, Comoros, and Madagascar. Feb 2026)
- Workshops on Sectoral Benefits of Tailored Climate Service: For ACP countries (Jan 2026)

Climate Data Development and Stewardship (ET-DDS)

- Astana Workshop on Data Stewardship in support of State the Climate Reporting (July 2025)
- CDMS Training for ACP countries & RCCs (Sep 2025)
- Data Rescue Training for ACP counties (Oct 2025)



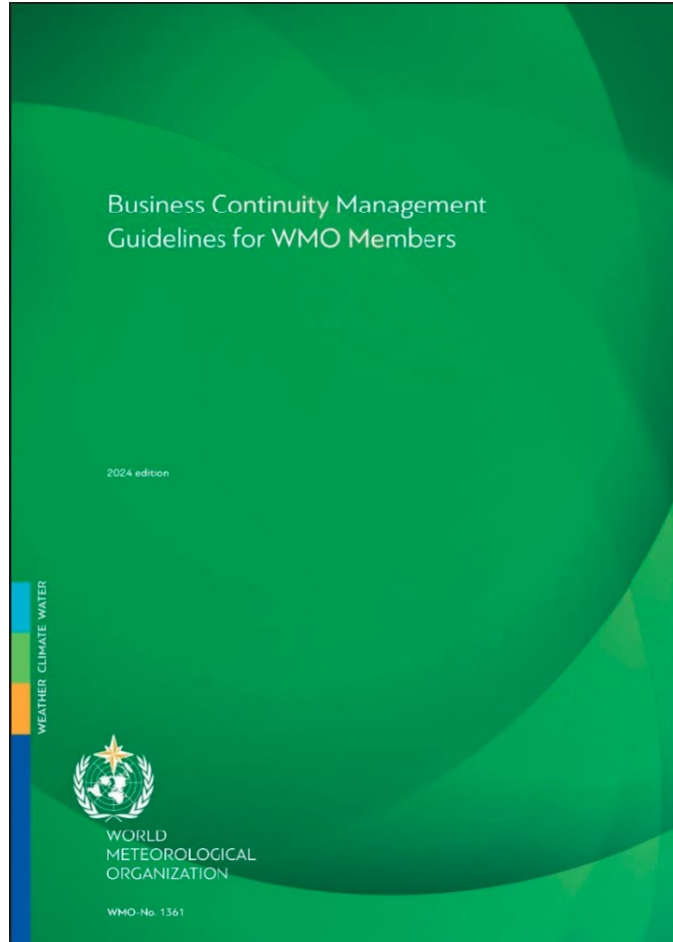
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SC-DRR Business Continuity Management: Implementation and Ongoing Efforts for WMO Members

BCM Guidelines for WMO Members

(endorsed by EC and SERCOM-3, [WMO-No. 1361](#))



Task Team on BCM under
SC-DRR **drafts training
materials**

CDP **review** the
training materials

RAs include BCM into the
workplan of **WMO**
Regional Training Centers

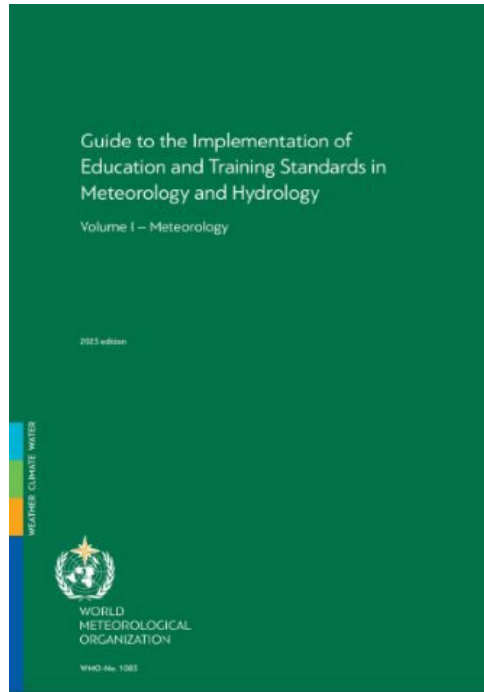
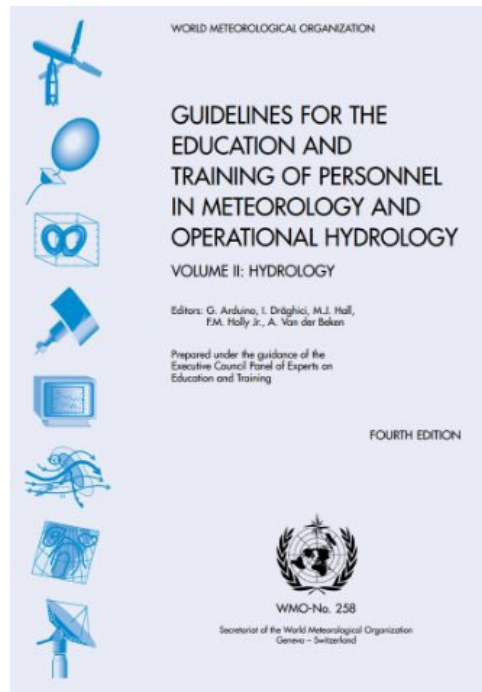


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SC-HYD CDP Activities Highlights

BIP-H/HT updates



- WMO has initiated a process to revise the guidelines for the core knowledge and basic skills common to all hydrologists and hydrological technicians.
- Published in 2003, WMO Publication N° 258, “[*Guidelines for the Education and Training of Personnel in Meteorology and Operational hydrology, Volume II Hydrology*](#)”, outlines the Basic Instruction Package for Hydrologists and Hydrological Technicians (BIP-H/HT).
- These guidelines being revised to align with the direction provided in [*Annex 1, Res 24. \(Cg 18\)*](#) “Definition of Operational Hydrology”, and to consider advancements in science, technology, and service provision.
- Once revised, WMO Publication N° 258 will be incorporated into WMO-N° 1083, “[*Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology, Volume II – Hydrology.*](#)”
- *The updated version will be submitted for approval as an amendment to [*WMO- Technical Regulations 49-Volume III.*](#)*



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SC-HYD CDP Activities Highlights

BIP-H/HT updates

- SC-HYD Milestone 32 (Capacity Development) :Task team of 17 members
- RTCs involved: Pune, Roorkee (India) and FICH (Argentina)
- Partners: UNESCO, IAHS
- A short questionnaire was circulated to all WMO Members seeking feedback to update the current version and establish a common understanding of the core knowledge and basic skills required for individuals to be recognized as hydrologists and hydrological technicians.
- As of 15 September 2025, **80 Members** replied to the Online Survey

Request to CDP:

Guidance and feedback for the draft (Early 2026) and for the final document (February 2027)



The Education and Training Standards in Hydrology

WMO has initiated a process to revise the guidelines for the core knowledge and basic skills common to all hydrologists and hydrological technicians. Published in 2003, WMO Publication N° 258, "Guidelines for the Education and Training of Personnel in Meteorology and Operational hydrology, Volume II Hydrology", outlines the Basic Instruction Package for Hydrologists (BIP-H) and the Basic Instruction Package for Hydrological Technicians (BIP-HT). These guidelines will be revised to align with the direction provided in Annex 1, Res 24. (Cg 18) "Definition of Operational Hydrology", and to consider advancements in science, technology, and service provision.

Once revised, WMO Publication N° 258 will be incorporated into WMO-N° 1083, "Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology, Volume II - Hydrology." The updated version will be submitted for approval as an amendment to WMO- Technical Regulations 49-Volume III. Therefore, we are seeking your feedback to update the current version and establish a common understanding of the core knowledge and basic skills required for individuals to be recognized as hydrologists and hydrological technicians.

Notes:

- Please refer to International Hydrology Glossary for the terminology used in this document
- If your National Meteorological and Hydrological Service (NMHS) has only one position covering both hydrologist and hydrological technician roles, please answer the questions as they apply to your service regardless of the title of the position.

Online Survey in the 6 official languages

SC-MMO CDP Activities Highlights

- Past support to **Ice Forecasting Competences** implementation
 - Advice on Competency Framework development
 - Advise on offerings of Ice Forecasting courses, both distance learning and face-to-face
 - Help offered to WMO Education and Training Office (ETR) on their support to these courses
- Growing the nascent **platform**
 - Collection was launched on the WMO ETR Moodle platform, (<https://etrp.wmo.int/mod/data/view.php?id=24792>)
 - Contains links to learning resources for self-directed or instructor-led training



SC-MMO CDP Activities Highlights

Newly developed Marine Services Competency Assessment Toolkit

[Course: Marine Services Competency Assessment Toolkit | ETRP Moodle Site](#)

Questions to CDP:

- 1) How to increase visibility to the Marine Services Competency Assessment Toolkit?
- 2) Guidance on the appropriate approving process for updating the relevant competency frameworks




SG-RENE CDP Activities Highlights

WMO Energy Course Now Online

Powering the Future

WMO Launches Online Training to Support the Renewable Energy Transition

Access the Course




*"The energy transition is a...
UN Photo/Mark Garten – Secret...
Supercharging the New Energy..."*

With clean energy investments surging and solar and wind reshaping energy strategic plans worldwide, demanding makers need strong and practical frameworks to effectively operations.

To date, challenges and the growing dependence on tail need to enhance Weather, Water and Climate Services.


In response to growing demands for enhanced climate-in launch a new comprehensive online training course: WE

Course Modules




Module 1
Overview of energy-climate linkages and the role of W&CS.

Start Module 1




Module 2
Explore data sources, models, and tools used in energy sector.

Start Module 2




Module 3
Learn how W&CS support energy and electricity operations.

Start Module 3



Module 4
Explores maximizing the use of W&CS within the energy sector.

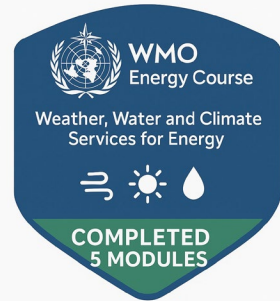
Start Module 4



Module 5
Real-world examples of W&CS applied in the energy sector.

Start Module 5

- **110** participants (*As of 3 Sep*)
- 16 learners completed modules and received the badge
- Positive feedback and comments by learners
- Available on: WMO ETRP, Energy portal
- Populated in: WMO Regional Offices, WMO official website, WMO official social media, WMO internal HUB



Thank you

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