WEATHER CLIMATE WATER TEMPS CLIMAT EAU

Report on Hydrology, Water Resources and Cryosphere/HCP

CDP-7 20 March 2023



WMO OMM

World Meteorological Organization Organisation météorologique mondiale

WMO Plan of Action for Hydrology 2022-2030

- The hydrological community under the lead of HCP prepared the WMO Plan of Action for Hydrology, approved by Cg-Ext(2021).
- For each capacity development activity present in the plan, a leading responsibility was assigned, and approved by EC 76.
- SC-HYD is implementing the activities according to the role assigned to it in the plan. <u>WMO Plan of Action for Hydrology 2022-2030</u>



Role of CDP for the implementation of the WMO Plan of Action for Hydrology 2022-2030

- CDP leads 12 activities among which 5 need action in 2023
- In addition, CDP contributes to 2 other activities
- Milestones need to be set for the activities under CDP's responsibility





WMO Plan of Action for Hydrology 2022-2030

Note: This online version of the Plan of Action is a living document. Various groups are working throughout the first half of 2022 on defining milestones and timelines for specific activities. Furthermore, additional filtering functionalities will be progressively added. Therefore it is suggested to visit this page periodically to check the up-to-date status of the Plan of Action

- WMO Vision and Strategy for Hydrology and its associated Plan of Action (PDF version)
- · List of acronyms

Ambitions A. Cross-cutting issues Select an ambition	Outputs Select an output	~
All ambitions A. Cross-cutting issues B. No one is surprised by a flood C. Everyone is prepared for drought D. Hydro-climate and meteorological data support the food security agenda	Milestone yearStatus Select a year Select a state	atus 🗸
E. High-quality data supports science F. Science provides a sound basis for operational hydrology G. We have a thorough knowledge of the water resources of our world H. Sustainable development is supported by hydrological information I. Water quality is known	Milestone year	



EC-76/INF. 2.5(6), p. 6

	Action	Entity receiving the invitation	Subsidiary body suggested by HEP
A.2.1	Development of a curriculum for top and middle management training	EC	CDP
A.2.2	Development of e-learning training courses for the management of NHSs	EC	CDP
A.2.3	Guidance on managing NHSs	EC	CDP
A.2.4	Twinning projects targeted at management skills	EC	CDP
A.4.1	E-learning training course(s) on marketing	EC	CDP
A.6.2	E-learning training course(s) for management of NHSs	EC	CDP
C.5.1	Capacity building activities organized through IDMP, including curricula and training material based on needs identification, developed to enhance Members' drought management capacities and capabilities	EC	CDP
C.5.2	Training materials based on curricula developed to support Members	EC	CDP
E.2.2	Training materials and e-learning on QMF	EC	CDP
G.4.3	Training curriculum for WRA developed as a part of the capacity development strategy of the WMO	EC	CDP
G.4.4	E-learning training course(s) for water resources assessment	EC	CDP
I.2.1	Water quality training materials development	EC	CDP



Output A.2: Increased management skills of NHS managers supports the effectiveness and development of services

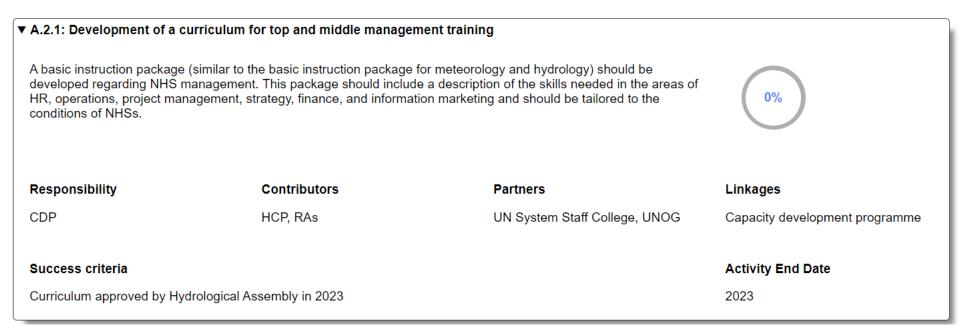
EC-76/INF. 2.5(6), p. 6

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1.2.1	Water quality training materials development	EC	CDP



CDP as Leader Activity planned for 2023

attention please!





Output A.4: Enhanced customer orientation and better marketing skills generate better services and products with higher added value

EC-76/INF. 2.5(6), p. 6

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I.2.1	Water quality training materials development	EC	CDP
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Output A.6: Institution development plans and monitoring network development programmes are in place and implemented, taking into account the catalogue of products and services

EC-76/INF. 2.5(6), p. 6

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I.2.1	Water quality training materials development	EC	CDP
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Ambition C: Everyone is prepared for a drought

Output C.5: Training to increase the capacities of Members in drought management (drought monitoring, modelling and early warnings, drought vulnerability and impact assessments, and drought adaptation, mitigation, preparedness and response measures)

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Ambition C: Everyone is prepared for a drought CDP as Leader Activity planned for 2023



	ies organized through IDMP, includi agement capacities and capabilities	ng curricula and training material based o	n needs identification, developed to
	ded for: (i) drought monitoring, modelli) drought adaptation, mitigation, prepa	ng and early warnings, (ii) drought vulnerabili redness and response measures	ty 0%
Responsibility	Contributors	Partners	Linkages
CDP	SC-AGR, SC-HYD	GWP, UNESCO-IHP, FAO	IDMP
Success criteria			Activity End Date
Curricula developed			2023

Pillar 1:"Drought monitoring, modelling and early warnings" completed:

- <u>Capacity Building Integrated Drought Management Programme</u>
- <u>Integrated Drought Management: Monitoring and Early Warning Cap-Net</u> Milestones for pillar 2 and 3 need still to be added to this activity



Ambition E: High-quality data supports science

Output E.2: Quality assured hydrometeorological data by NHSs are generated through increased compliance with the culture of Quality Management Framework-Hydrology

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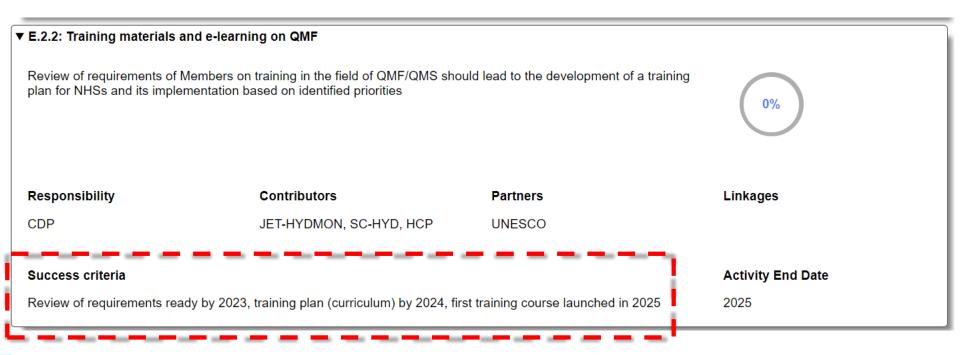
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Ambition E: High-quality data supports science CDP as Leader



Activity planned for 2023





Ambition G: We have a thorough knowledge of the water resources of the world

Output G.4: Increased national capacities to collect waterrelated data and transform them to useful/relevant products through capacity development

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	1	1	+



Ambition G: We have a thorough knowledge of the water resources of the world Activity planned for 2023

attention please!

▼ G.4.3: Training curriculum for WRA developed as a part of the capacity development strategy of the WMO Needs (topical, and on form) of Members are properly identified to propose curricula of courses and training materials in support of capacity building in the domain of WRA 0% Responsibility Contributors Partners Linkages CDP SC-HYD, RAs, HCP Members Capacity development, HydroSOS Activity End Date Success criteria Capacity development strategy updated in 2023 2023



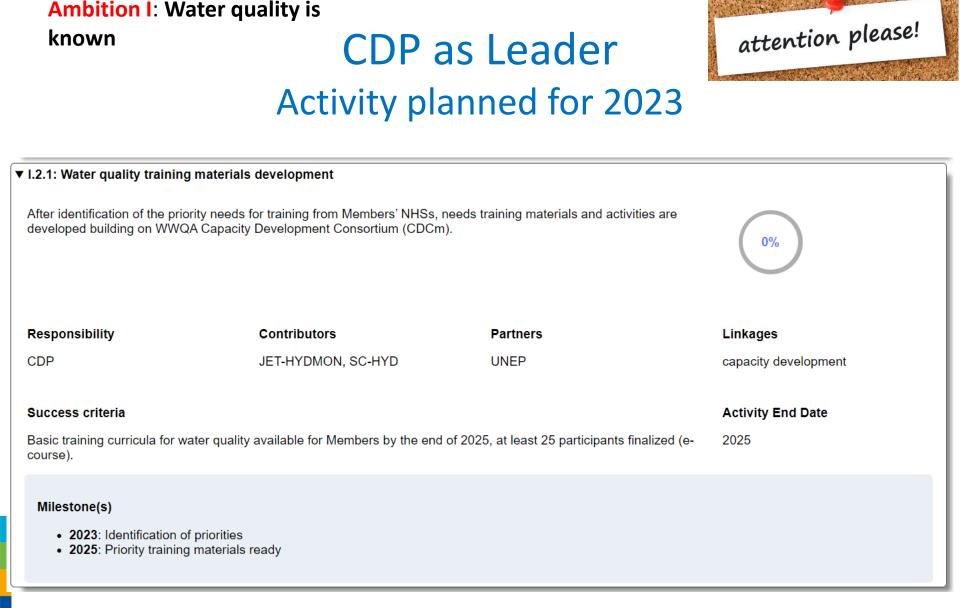
Ambition I: Water quality is known

Output I.2: Increased NHS involvement in the coproduction of water quality related data and products thanks to promotion of IWRM principles

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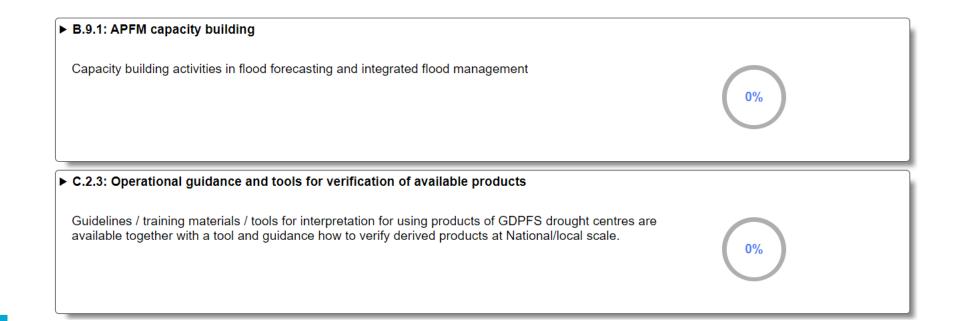
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CDP as **Contributor**





First CD activity following WCDS "Santa Fe"

- CDP and HCP have initiated a pilot on capacity development in relation to the "Guidelines for the assessment of national needs and capabilities for end-to-end early warning systems for flood forecasting".
- This cooperation, combines the technical expertise of SC-HYD members with the didactical expertise of the RTC of Santa Fe, Argentina.
- Lessons learned from this pilot activity, will help in the implementation of other capacity development activities.

What is missing?

ETR focal point nomination



Thank you



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