outcome	National Hydrological Services operations are sustainable, visible for the society and governments, and benefits provided are recognized and valued.
	Financing schemes of hydrological services are improved to ensure sustainability of operation and attractiveness for professional staff.
measure of	Number of Members reporting through Country profile database sustainable financial (budgeting) situation
success	

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
Increased presentation/ communication understanding of value proposition, benefits and, risk analysis and value of hydrological services to foster understanding by ministries and	High level RAs fora	A.1 .1	organization of HL forum at each RA session to involve politicians and better describe value and benefits provided by the NMHSs in decreasing risks of hydrometeorological disasters	1,2, 3,4, 5,6, 7,8	1.3, 4.1, 4.2, 5.1	Number of governments represented at HL forum (20 % of countries participated)	regularly starting from 2021	RAs		Member, WB, UNDP	Regional Programme , Regional offices		
governments	Hydrological Assembly	A.1 .2	Organization presentation of water and climate leaders in CG-ext Present Declaration and to broaden hydrological community to participate in WMO work at Cg-ext			Number of relevant high level participants	Next Cg- 19?						
	Creation of communication materials for NHSs towards Governments	A.1 .3	Development easy to digest presentations of benchmarking and success stories demonstrating benefits of NMHSs and their services	1,2, 3,4, 5,6, 7,8	1.3, 4.1, 4.2, 5.1	NHSs use materials for national argumentatio n	2023 and updating biannually	SG		WB			

Activity Area -0 National Hydrological Services operations

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
	Emphasize the convenience of linking flood and drought management plans to local/national development poli cies	A.1 .4		1, 2, 3,									
	Conceptualising of a toolkit to evaluate service quality and include for self- guided benchmarking in the CPDB	A.1 .5		1,2, 3,4, 5,6, 7,8	1.3, 4.1, 4.2, 5.1	Analysis available on CPDB continuously in support of strategic planning of NHSs	2023	HCP, Secretariat		NHSs			
	Using the water and climate leaders group and the coalition to transport effective WMO messaging towards governments and ministries.	A.1 .6	Proper communication materials that can be used by the coalition but also at national level	1,2, 3,4, 5,6, 7,8	1.3, 4.1, 4.2, 5.1	???		SG		Members Governmen ts, UN			
Assumptions		hydror	neteorological disasters a	are con	sidered	to be priority for	societal need	ds both in short ter	rm and long ter	m political per	spective.	1	L
Risks	- Lack of alig	nmen	l political and societal pric t with other activities in th me changer undermines	e field d	of Water	(e.g. UNESCO	IHP) leading	to competition for	volvement of p attention of go	oliticians in wa overnments.	iter–related ag	lenda	
Increased management skills of NHSs management (including middle and lower management) supports effectiveness and development of NHSs	Curriculum for top and middle management training		Similarly to basic instruction package for meteorology and hydrology, basic instruction package should be developed for management of NHSs (including description of skills needed in HR, operation, project management, strategy, finance, information marketing domains accommodated for a conditions of the NHSs)	cros s-	1.3, 4.1,	Curriculum approved by Hydrological Assembly in 2023).	2023	CDP, in cooperation with HCP		UN System Staff College, UNOG	Capacity developme nt programme		

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
	E-learning training course(s) for management of NHSs developed	A.2 .2	<i>E-learning courses</i> <i>are developed to</i> <i>enhance</i> <i>management skills of</i> <i>NHSs' staff (including</i> <i>HR, operation, project</i> <i>management,</i> <i>strategy, finance,</i> <i>information marketing</i> <i>domains</i> <i>accommodated for a</i> <i>conditions of the</i> <i>NHSs)</i>	cros s- cutti ng	1.3, 4.1, 4.2,	at least 50 representativ es of NHSs participated to the e- learning course during 2025	2025	CDP, in cooperation with HCP		UN System Staff College, UNOG	Capacity developme nt programme		
	Guidance on managing the NHSs	A.2 .3	Basic guidance on needed management skills for NHSs' staff (including HR, operation, project management, strategy, finance, information marketing domains accommodated for a conditions of the NHSs)	cros s- cutti ng	1.3, 4.1, 4.2,	guidance published	2025	CDP, in cooperation with HCP		UN System Staff College, UNOG	Capacity developme nt programme		
	Twinning projects targeted at management skills	A.2 .4	Twinning projects used for knowledge transfer among Members including management skills of the NHSs staff.	cros s- cutti ng	1.3, 4.1, 4.2,	number of twinning projects that includes management skills training	2027	CDP, in cooperation with HCP		Members NHSs	Capacity developme nt programme		
	Management TED talks programme	A.2 .5	Sharing experience through the TED talks format videos targeting on explanation basic management issues of NHSs and methods to cope with them etc.	cros s- cutti ng	1.3, 4.1, 4.2,	25 videos by 25		HCP		UN System Staff College, UNOG, Members NHSs			
Assumptions			op priority activity suppor ize the importance of mar				stitutional le	evel	1	1		ı	-1
Risks	- Change in - NHSs do n	overal	political and societal prices of main prices of mai	orities e	.g. due	to COVID-19 pai	ndemic resu	Ilts in decrease the				operation	only or internal

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
Enhanced regional cooperation, planning and implementation of NMHSs led activities	Regional Associations hydrological activities (e.g. HydroConference in RAVI) and support to other technical symposia organized at regional level	A.3 .1	conference to promote knowledge sharing					RAs, HCP					
Assumptions	Reform of regional	associ	ations working structure	creates	a reliab	le and viable pla	tform for hy	drologists to meet	and cooperate	on operationa	l hydrology iss	ues.	1
Risks			tion – losing attractivenes arallel regional platforms										
Enhanced customer orientation and better marketing skills generates better services and products with higher added value.	E-learning training course(s) on marketing	A.4 .1	E-learning courses are developed to enhance management skills of NHSs' staff in marketing accommodated for a conditions of the NHSs)	cros s- cutti ng	1.3, 4.1, 4.2,	at least 30 representativ es of NHSs participated to the e- learning course during 2025	2025	CDP, in cooperation with HCP		UN System Staff College, UNOG	Capacity developme nt programme		as a part of Curriculum for top and middle management training
	Management TED talks on marketing and customer orientation	A.4 .2	Sharing experience through the TED talks format videos targeting on explanation basic marketing principles and methods to cope with them etc.	cros s- cutti ng	1.3, 4.1, 4.2,	7 videos available	2025	HCP		UN System Staff College, UNOG, Members' NHSs			as part of Management TED talks programme
	Catalog of case studies of product and service development as well as marketing strategies for customers and development of process/check list, methodology to support strategic service planning of NMHSs including catalogue of	A.4 .3	Demonstration of good practice in development of customer/user- oriented products and services	cros s- cutti ng	1.3, 4.1, 4.2,	catalog made available	2025	НСР		UN System Staff College, UNOG			

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
	products and services in response to customer requirements												
Assumptions			ty activity supporting hyd nportance of managemei				utional level		I	1	<u> </u>		
Risks	NHSs do not recog other external cond	gnize th ditions)	l and societal priorities e. e increase of manageme g. due to continued globa	ent skills	s to be a	n important fac	tor in operati	on and developme				on only or i	nternal cultural or
The end-users of hydrological information/data have a clear understanding of what the data means and it's relative (un)certainty	Developing of unified communication standards for hydrological information	A.5 .1	Developing of unified communication standards for hydrological information based on definition of guidelines and regulatory material to ensure that communication is based on uptake requirements defined by end-users	cros s- cutti ng		Guidelines available	2025	RB, SERCOM			HCP, CDP		From Research strategy
Assumptions			ty activity supporting hyd nportance of managemei				utional level						
Risks	Change of the mar Change in overall p	ket (e.g politica	g. due to continued globa l and societal priorities e.	ilization g. due t	and net to COVI	w competitors e D-19 pandemic	entering the k results in de	ousiness) crease the importa	nce of water-i	related agenda			
Institution development plans and programmes of monitoring network development are in place and implemented taking into account the catalogue of	Guidance how to write a development plans for various aspects of NHSs' operation	A.6 .1	Guidance should support enhancement of managerial capabilities within NHSs, as such it provides general advice on strategy development an planning accommodated for the conditions of NHSs	cros s- cutti ng	1.3, 4.1, 4.2,	guidance published	2025	HCP		UN System Staff College, UNOG	Capacity developme nt programme		as a part of Curriculum for top and middle management training

	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
products and services	E-learning training course(s) for management of NHSs	A.6 .2	<i>E-learning courses</i> are developed to enhance management skills of NHSs' staff in strategic and operational planning and project development and management.	cros s- cutti ng	1.3, 4.1, 4.2,	at least 30 representativ es of NHSs participated to the e- learning course during 2025	2025	CDP, in cooperation with HCP		UN System Staff College, UNOG	Capacity developme nt programme		as a part of Curriculum for top and middle management training
	NHS providers have the tools to plan and construct hydrological networks that can grow/adapt as needs and resources changes	A.6 .3	Delivered by targeted research, guidelines on hydrological monitoring network design, implementation and maintenance are available.	cros s- cutti ng		Guidelines published	2024	RB, INFCOM		UNESCO- IHP, IAHS, IAHR	HCP, HydroHub		From research strategy
Assumptions			ity activity supporting hyd nportance of managemei				ional level						
Risks	Change of the mark Change in overall p	ket (e.g	g. due to continued globa l and societal priorities e.	lization g. due t	and nev o COVII	w competitors er D-19 pandemic ı	tering the bu esults in dec	siness) rease the importa	nce of water-r	elated agenda			
Risks Enhanced resource mobilization (expertise, financial, partnership) for capacity building, technical assistance, training of personnel and sustainability of E2E MHEWS	Change of the mark Change in overall p Project proposals development support	ket (e.ç political A.7 .1	g. due to continued globa l and societal priorities e. Put in place a framework mechanism to sponsor development initiatives through Project Proposal development and provision of Reimbursable Advisory Services through e.g. the IFM HelpDesk	lization g. due t	and nev o COVII	w competitors er D-19 pandemic i Number of projects developed	etering the buresults in dec Review of progress by 2025	isiness) rease the importa SG, HCP	nce of water-r	elated agenda WB, UNDP, UNECE, EU, USAid, GWP	APFM		
Enhanced resource mobilization (expertise, financial, partnership) for capacity building, technical assistance, training of personnel and sustainability of	Change in overall p Project proposals development	A.7	Put in place a framework mechanism to sponsor development initiatives through Project Proposal development and provision of Reimbursable Advisory Services through e.g. the IFM	lization g. due t	and nev o COVII	D-19 pandemic i Number of projects	results in dec Review of progress	rease the importa	nce of water–r	WB, UNDP, UNECE, EU, USAid,			

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
Sustainable projects helps build capacities of NHSs	Capacity development project are coordinated to support achievement of long-term ambitions and sustainability	A.8 .1	SOFF, ????	cros s- cutti ng	1.3, 4.1, 4.2,								
	Support of local production of monitoring equipment to enhance maintenance availability and reduce cost.	A.8 .2	HydroHUB	cros s- cutti ng	1.3, 4.1, 4.2,								
	Support to twining projects between national hydrological services	A.8 .3											
Assumptions													
Risks	Change in overall p	olitica	and societal priorities e.	g. due i	to COVI	D-19 pandemic	results in dec	rease the importa	nce of water-r	elated agenda			
Effective and efficient, low- cost methods for hydrological observations are broadly available	Guidance on how to amplify the information through citizen science, proxy data, and innovation.	A.9 .1		cros s- cutti ng		Guidance published	2025	RB, INFCOM		UNESCO- IHP, IAHS, IAHR	RAs, HCP, HydroHub		
	HydroHub Innovation hub will stimulate development and deployment of low-cost technologies for hydrometric monitoring.	A.9 .2	HydroHub Innovation platform	cros s- cutti ng		Number of innovation calls of HudroHub that are successfully implemented at site	Regular review at each Cg/HA	INFCOM, RB		IAHS, IAHR	RAs, HCP, HydroHub		

output	Activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
Assumptions													
Risks	Replacement of tec	hnolog	gy of long-observing station	ons cau	ises inho	omogeneity in tir	ne series						

outo	come	Increased sharing of hydro-meteorological data for operational hydrology on free and unrestricted basis across political border
mea	sure	Number of countries and number of stations registered in the Reference network and providing free access to data
of		
SUC	cess	

output	activity	ID	description	LTA	SOP	success criteria	time frame	responsibilit y	resources	partners	linkages	MOA	comments
Increased availability, national and international exchange of hydro- meteorological data for operational flood forecasting and early warning, and enhanced international cooperation in flood management especially for transboundary basins	Basic observation network – hydrology and cryosphere established	A.10. 1	In the spirit of (and to support) Resolution 42 and its implementatio n a network of reference observations is established from which Members commit themselves to mandatory share the data - GBON hydrology and cryosphere data (snow melt floods, ice related flood risks)			At least 50 members registered their station to the network by 2024	Concept note 2022, implementati on plan 2023, update of TR vol III, 2023	INFCOM		UNESCO, EU (Copernicus), UNEP	GBON, GRDC, IGRAC? HYDROLA RE, GEMS, WWDI		

o	VHOS - operational lata exchange	A. 10. 2	WHOS develops as common platform for international sharing of operational data among Members.	1,2,3		At least 50 Members provides operational data through WHOS by 2025	2025 for review	INFCOM						
a v s ir f c p S o a a f l	ncreased additional / roluntary data sharing ncluding orecast products, Satellite data/products availability for lood orecasting	А.10. З	"Resolution 42" promotion in hydrology for forecast products. Further development of transboundary policy issues (Legal Paper on IFM, transboundary flood risk management) Demonstration project in selected basins built on WHOS	1				INFCOM, SERCOM, RAs		UNECE Water Convention				
r c r f f e e	Statement on network design with respect to loods forecasting and management	A.10. 4	Easy to understand advice on how to best design network for flood forecasting and warning purposes (location of gauges, reporting frequency etc.)			Statement presented	2023	INFCOM, SERCOM			HCP			
Assumptions		Resolu time da	ıtion 42 on data p ata transmission.	olicy adop	ted by C	Cg-2021, Mem	bers support o	development, main	tenance and si	ustainability of h	ydrological ne	tworks inclu	ding near-real-	
Risks		Increa	sed completion w	ith private	sector d	lue to changed	d data policies	1						

outcome	Increased involvement of hydrological communities of Members in global activities of the WMO and enhanced benefits transfer to national scale services
of success	Number of hydrological advisers participating to Congress/Hydrological Assembly Number of hydrological advisers participating to RA sessions Number of representatives of NHSs acting as experts/members of Standing Committees and Study Groups Number of experts participating to Regional hydrological forums Number of hydrologist that received IMO prize

output	activity	ID	description	LTA	SOP	success criteria	time frame	responsibility	resources	partners	linkages	MOA	comments
Operational hydrology community at national scale knows how to access the global products, services, tools, activities and community of WMO	Entry point up to date catalog/ directory available Motivation, benefits clearly described and understood	A.11 .1 A.11 .2	Catalog provides information, where to find relevant information and products generated by WMO and its community for use by NHSs										
Assumptions	Hydrological community can affect the strategic and operational activities of the organization and contribute to the work of all bodies. All bodies are actively seeking for hydrological experts and requirements from hydrological community.												
Risks	Other UN organizations attracts better hydrological experts to be involved in activities seemed as meaningful Earth system approach doesn't provide balanced attention to issues of hydrology in all activities.												