

## 9<sup>th</sup> World Water Forum

Actions submission format

Action Group 2 D "Ensure sustainable agricultural practices, including water productivity and efficiency, reduction of diffuse pollution, and decreased food losses"

## ACTION 1. WATER PRODUCTIVITY FOR FOOD SECURITY

water quantity an Specific objectiv minimum negativ land-crops produ Alignment with	nd quality, will challenge our a ves and expected outputs: ve impact on crop yield – using inction systems on marginal la SDGS: SDG2 - SDG 6 - SDG 1	modernizing irrigation systems and impro ing modified cropping patterns to enhance ands	oving the efficiency of surface	irrigation	at farm level - studyin	g deficit irrigation a	s a water management st	rategy for water-scarce	areas with
	Objective	DESCRIPTION	EXPECTED OUTPUTS	ALLIGN- MENT WITH SDGs	IMPLEMENTATION	IMPLICATION DES PARTIES PRENANTES	OUTSCALING and OTHER CONTEXT	REGIONAL REPRE- SENTIVITY	LINK WITH OTHER ACTION GROUPS
Project 1 - TITLE: Smart manage- ment water sys- tem	methods for mapping ag- ricultural water produc-	of sound methods and techniques for as- sessing agricultural water productivity and mapping watersheds using remote sensing techniques; it will also apply a consistent, comparable, reliable, timely and cost-effective approach to map wa-	<ul> <li>Production of water productivity maps at differ- ent scales and levels;</li> <li>Mapping of areas under ir- rigation using time series of remote sensing data and advanced methods and tools;</li> <li>Implementing modern equipment for water level measurements and applica- tion and of user guidelines to adequately monitor fluc- tuations in in each reser- voir;</li> <li>Mapping and estimating water need at the basin level;</li> <li>Improving the manage- ment of agricultural water structures;</li> <li>Improve water productiv- ity according to different uses (agriculture, livestock fishing);- Introducing a</li> </ul>	SDG 6 SDG 13 SDG 15	Not yet been imple- mented but could be considered in the Delta of the Senegal River, the Anambé Basin and in the rain-fed areas where smallholder irrigation schemes are planned	tional coopera- tion, research in- stitutions, tech- nical services, water user asso-	opportunities for the funding of projects and programs exists; e.g. the	which is imple- mented jointly in 6 CILSS countries with a	Possible link with the Action group on IWRM, Rural domestic water supply ; migra- tion, job creation

Project 2 - TITLE : Famers collec- tive participa-	To understand the role that groundwater could play in assessing water	Until recently, groundwater was mainly used for drinking water supply (EPA) of populations. But with the climatic varia-	better management of soil moisture and fertility; - Increasing water produc- tivity by producing more per unit of water volume	SDG2 SDG6 SDG13	Weakly imple- mented in the SA- HEL and CILSS coun-	States, interna- tional coopera- tion; research in-	In the Sahel with opportunities for funding of projects
tion in ground	potential in agricultural	bilities that have plagued the SAHEL,		SDG 15	tries	stitutions, tech-	programs exists; e.g
water resources	development in a con-text	they are increasingly called upon for the				nical services,	regional Sahel irrig
operation and	of food insecurity and cli-	development of agriculture. For this rea-				water users' as-	initiative (PARIIS) in
management	mate change	son, it is important to focus on inclusive and participatory management of				sociations	mented in 6 CILSS of tries by the World E
	<u>Specific Objective 1</u> : to study how future ground- water development could contribute in promoting the development of agri- culture;	groundwater resources in the SAHEL to sustainably support agricultural develop- ment without jeopardizing the need for the environment.					thes by the world E
	Specific Objective 2: Ana- lyze the current and past surface and subsurface water governance by re- gion.						
	<u>Specific Objectives 3</u> : Assess the socio-economic impacts of groundwater use in agro-ecological areas (e.g. the Sahel region); <u>Specific Objective 4</u> : Disseminate effective water use and management technologies for agricul-						
	tural development in the Sahel						
ACTION 2: TRA	ANSITIONING FROM R	URAL DEVELOPMENT TO RURAL 1	<b>FRANSFORMATION</b>	1	1	1	
Overall Goal: To	transform rural areas into	o social and economic development Pol	les through sustainable agri	cultural p	roductions		
		Development of human resources by buildir		-		culture based on go	od control of water re
		echnology capabilities for farmers - Creating		-		-	
	SDGs: SDG2 - SDG 6 - SDG13						
Coherence with							
	Objective	DESCRIPTION	EXPECTED OUTPUTS	ALLIGN-	IMPLEMENTATION	IMPLICATION	OUTSCALING
				MENT WITH		DES PARTIES PRENANTES	OTHER CONTEXT

SDGs

g. the CILSS countries with a domestic water ation regional approach supply; migra- nple- could be used as a tion, job creation coun- support for out-scal-		
and REGIONAL REPRE- SENTIVITY OTHER ACTION	which is imple- mented jointly in 6 CILSS countries with a regional approach could be used as a support for out-scal- ing the project find-	the Action group on IWRM, Rural domestic water supply; migra-
	REGIONAL REPRE-	LINK WITH OTHER ACTION

Project 3 - TITLE:	Overall Goal: To make the	The fact is that agriculture in the Sahel is		SDG2	Weakly imple-		In the Sahel with real	The PARIS project	Possible link with
Transition		mainly rainfed (80% of cultivated land).		SDG2	mented in the SA-	States, interna-			the Action group
switching from	of eco-economic develop-		-	SDG 0 SDG13	HEL and CILSS coun-	tional coopera-	funding of projects and		
rural develop-	ment centered on activi-			SDG15 SDG15	tries	tion; research in-	programs exists; e.g. the		domestic water
ment towards	ties related to green wa-		0	30013		stitutions, tech-	regional Sahel irrigation		supply; migra-
rural transfor-	ter;	rural areas. This is why it is essential to				nical services,			tion, job creation
mation	Specific Objective 1: De-		-			water users' as-	mented in 6 CILSS coun-		tion, job creation
mation	velop agricultural produc-		- Building a viable and relia-			sociations	tries by the World Bank		
	tion systems based on ef-					300100113	they by the world balk		
	ficient use of water re-								
	sources;	ities. These mutations will allow us to							
	sources,	evolve towards sustainable agriculture	<b>3</b> 1						
	Specific Objective 2: Es-		- Analysis of demographic						
		with a promotion of value chains linked							
		to the various activities (agriculture, live-							
	wealth-generating agri-								
	cultural hubs;	achieve these changes and achieve de-							
		sired results, the IWRM approach could							
	Specific Objective 3: De-								
		tractive activities for young people in	- Promoting cross-border						
	secure young people in	,	0						
	rural areas and encourage		- Implementing innovative						
	their integration into the		technologies for water use						
	agriculture sector;		and conservation;						
			- Developing operators' ca-						
	Specific Objective 4: De-		pabilities with regard to						
	velop strong links be-		technologies;						
	tween cities and rural ar-		- Creating hubs for the de-						
	eas to reduce mega-ur-		velopment, marketing and						
	banization and limit rural		transformation of agricul-						
	exodus;		tural production;						
			- Water accounting. Invest-						
	Specific Objective 5: Sup-		ing in rainfed agriculture						
	port of family farming sys-		- Demand management to						
	tems to promote eco-		avoid post-harvest losses;						
	nomic development in ru-		- Making water available at						
	ral areas;		critical times						
			- Expansion of storm-water						
	Specific Objective 6: Pro-		management;						
	mote both staple and		- Defining small- and large-						
	cash crops;		scale IWRM solutions;						
			Development of the public-						
	Specific Objective 7: Pro-		private partnership;						
	mote the processing and		- Guaranteeing access to						
	marketing of agricultural		credit for women and young						
	production in rural areas.		people;						
			- Protection of ecosystems.						
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