



**CORAF**

Leader de l'Innovation agricole en Afrique de l'Ouest  
Leading Agricultural Innovation in West and Central Africa

WEST AFRICA AGRICULTURAL PRODUCTIVITY PROGRAM (WAAPP)

# **MONITORING & EVALUATION OPERATIONS MANUAL**

## **VOLUME 2 – ANNEXES**

(Final Version)

January 2014



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## A. Annex 1: Results measurement frameworks for WAAPP 2A, WAAPP 1B and WAAPP 1C

### WAAPP 2A

**Project Development Objective (PDO):** To scale-up the generation, dissemination and adoption of improved technologies in the participating countries' priority agricultural commodity areas that are aligned with the region's top agricultural commodity priorities, as outlined in the ECOWAP

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
<b>Project Level Results Indicators</b>												
IDO1. Direct project beneficiaries of which 40% female- disaggregated by country	<input checked="" type="checkbox"/>	Number	Gh= 100,000	125,000	250,000	500,000	600,000	700,000	Annual	Assessment/ survey made by M&E if necessary in collaboration with consultants	PCU	Beneficiaries who use technologies generated and released by the Project
			Ma= 50000	150,000	250,000	400,000	600,000	700,000				
			Se= 80000	100,000	150,000	300,000	600,000	700,000				
			Total					2,100,000				
IDO2: Beneficiaries who are using technologies generated by other countries	<input checked="" type="checkbox"/>	Number	Gh =0	25,000	50,000	100,000	120,000	140000	Annual	Annual assessment	PCU/NCOS	
			Ma=0	30,000	50,000	80,000	120,000	140000				
			Se =0	20,000	30,000	60,000	120,000	140000				
IDO3. Technologies generated by the Project with at least 15% productivity increase over the control – disaggregated by country	<input type="checkbox"/>	Number	Gh=10	12	13	15	16	17	Annual	Annual assessment	PCU /NCOS	Information on pipeline of technologies to be provided by NCOS
			Ma= 8	10	12	14	16	16				
			Se= 18	20	22	24	26	26				
			Total	42	47	53	58	59				
IDO4. Producers with knowledge of generated /released technologies by the Project- disaggregated by country	<input type="checkbox"/>	Percent	Gh=20	40	60	70	80	80	Year 1, 3, 5	Benchmark and supply chain surveys	PCU/NCOS	
			Ma=10	30	50	60	80	80				
			Se=	30	50	60	80	80				
			Total									
IDO5. Area under new technologies disaggregated by country	<input type="checkbox"/>	Hectare	Gh= 50,000	135,000	200,000	300,000	400,000	600,000	Annual	Annual assessment/survey	PCU / NCOS	Information to be provided by implementing agencies, completed by surveys
			Ma= 45000	100000	200000	400000	500000	600000				
			Se= 40,000	100,000	150,000	300,000	400,000	500,000				
			Total									
IDO6. Processors/ producers	<input type="checkbox"/>	Number	Gh=	60,000	150,000	250,000	300,000		Annual	Annual	PCU / NCOS	

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
who have adopted at least one new technology - disaggregated by country			25,000		0			400,000		assessment/survey		
			Ma=50000	90000	150000	240000	360000	420000				
			Se= 30000	60,000	120,000	240,000	360,000	420,000				
			Total									
<b>OMPONENT A: Strengthening the enabling environment for regional cooperation for the generation and adoption of agricultural technologies</b>												
IRA.01: Pesticide products/ and genetic materials registered by national committees - disaggregated by country	<input type="checkbox"/>	Number	Gh= P. 200 GM. 4	250	300	350	400	450	Annual	Annual assessment	PCU	Distinction to be made by genetic materials developed at national and at regional level
			Ma= Pest.=0 GM=0	7	10	12	13	15				
			Se= Pest=166. GM=39	10	20	30	40	50				
				5	10	15	20	25				
			Total	176	186	196	206	216				
		41	48	52	54	54						
IRA.02: Laboratories with ISTA/ISO certification - disaggregated by country	<input type="checkbox"/>	Number	Gh=0	0	0	1	2	3	Annual	Supervision mission	PCU	Reference laboratories financed under Component 1
			Ma=0	0	0	1	2	4				
			Se=0	0	1	2	5	5				
			Total	0								
IRA.03: Technologies with IPR. disaggregated by country	<input type="checkbox"/>	Number	Gh=0	0	2	3	4	5	Annual	Annual assessment	PCU /NCOS	
			Ma=53	58	60	63	65	65				
			Se=0	2	4	6	8	8				
			Total									
IRA.04: Varieties generated by NCOS/RCOE registered in Regional catalogue - Disaggregated by country	<input type="checkbox"/>	Number	Gh=0	0	5	7	12	15	Annual	Annual assessment	PCU and CORAF	
			Ma=0	0	20	30	40	50				
			Se=0	0	3	6	10	12				
			Total									
IRA.05: Hits for the regional/national Web-based	<input type="checkbox"/>	Number	Gh=0	10,000	20,000	30,000	40,000	50,000	Annual	Annual assessment	PCU and CORAF	researchers/ country, service
			Ma=0	10,000	20,000	30,000	40,000	50,000				

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
information system on agricultural technologies and research skills			Se=0	10,000	20,000	30,000	40,000	50,000				providers, farmers
			CORAF	40,000	80,000	120,000	160,000	200,000				
IRA.06: National action plans developed on gender, communication and climate change-disaggregated by country		Number	Gh=1	2	3	3	3	3	Annual	Annual assessment	PCU/NCOS	communication, gender, climate change, environmental and social safeguards
			Ma=1	2	3	3	3	3				
			Se=1	2	3	3	3	3				
<b>Component B: Strengthening National centers of specialization</b>												
IRB.01: Qualifying criteria met by the NCOS to become RCOE - disaggregated by country		Number	Gh=0	2	3	4	5	6	Annual	Annual assessment/ survey	PCU and CORAF	total: 6 criteria
			Ma=0	2	3	4	5	6				
			Se=0	2	3	5	6	6				
			Total									
IRBA02: NCOS/RCOE with ISO certificate - disaggregated by country		Number	Gh=0	No	No	No	Yes	Yes	Annual	Annual assessment	PCU and CORAF	
			Ma=0	No	No	No	yes	Yes				
			Se=0	No	No	No	yes	yes				
			Total									
IRB.03:: Technologies generated by NCOS and demonstrated in at least three ECOWAS countries outside the country of origin - disaggregated by country		Number	Gh=0	0	2	3	4	6	Annual	Annual assessment/ survey	PCU/NCOS and CORAF	Technologies generated (released or not)
			Ma=2	2	3	4	5	6				
			Se=0	2	3	4	5	6				
			Total									
IRB.04: Study sponsorship- desegregated by country and MSc and PHD		Number	Gh=17						Annual	Annual assessment/ survey	PCU/NCOS	Scientists, extension agents, agro dealers, farmers, community members, etc.
			MCs14	34	44	49	53	53				
			PHD 2	10	15	20	20	20				
			Ma=									
			MCs3	14	24	34	40	40				
			PHD3	14	28	30	30	30				
Se=												
MCs2	21	30	35	35	35							
PHD7	21	30	35	35	35							

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
IRB.05: Scientific exchange visits - disaggregated by country	<input type="checkbox"/>	Number of persons	Gh=12	16	20	24	30	32	Annual	Annual assessment/ survey	PCU/NCOS and CORAF	
			Ma=2	6	10	14	18	22				
			Se=4	9	14	19	24	29				
			Total									
Component C: Support to demand-driven technology generation, dissemination and adoption												
IRC.01: Multi-country research proposals financed by the regional CARGS - disaggregated by country	<input type="checkbox"/>	Number	Gh=0	2	4	5	5	5	Annual	Annual assessment/ survey	CORAF	
			Ma=0	2	4	5	6	6				
			Se=0	2	4	6	6	6				
IRC.02: National demand-driven research projects financed by the national CARGS - disaggregated by country	<input type="checkbox"/>	Number	Gh=30	45	52	59	65	65	Annual	Annual assessment/ survey	PCU (and CARGS)	
			Ma=30	60	65	70	70	70				
			Se=37	44	51	57	62	62				
			Total									
IRC.03: Demonstration plots established (breakdown by country)	<input checked="" type="checkbox"/>	Number	Gh=400	5000	10000	15000	20000	25000	Annual	Annual assessment/survey	PCU (and implementing agencies)	
			Ma= 7000	14000	20000	25000	30000	35000				
			Se=?	3000	6000	12000	18000	20000				
IRC.04: Number of technologies demonstrated – disaggregated by country	<input type="checkbox"/>	Number	Gh=10	12	15	20	22	22	Annual	Annual assessment/survey	PCU (and implementing agencies)	
			Ma=8	10	12	14	16	18				
			Se=?	3	6	8	10	10				
			Ma=									
			Se=									
IRC.05: Percentage of targeted clients (male and female farmers or businesses) satisfied with extension services	<input checked="" type="checkbox"/>	Percentage	Gh=	30	50	60	70	70	Year 1, 3, 5	Participatory assessment or survey	PCU	
			Ma=	30	50	60	70	70				
			Se=	40	50	60	70	70				
IRC.06: Certified foundation seeds and improved breed stock produced – disaggregated per country and commodity	<input type="checkbox"/>	T/Ha	Gh=						Annual	Supervision missions and Annual assessments/ survey	PCU (and implementing agencies)	Foundation seed for priority crops
			Cas 400ha	1000	1500	2000	2500	3000				
			Ma= 0	500	1000	1500	2000	2500				
			Ma=0									
			Ri 736	1500	2500	3500	3500	3500				
			Mil=120	750	1500	2000	2000	2000				
Sgo 115	750	1500	2000	2000	2000							

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
			Ma 235	1500	2500	3500	3500	3500				
			Se=									
			Ma 150	300	450	650	750	850				
			Mi 50	100	150	200	250	300				
			Sg 50	100	150	300	300	300				
<b>Component D: Project Management and Coordination</b>												
IRD.01: Percentage of procurement activities executed in conformity with the timing of the procurement plan	<input type="checkbox"/>	Percent	Gh=	80	80	80	80	80	Annual	Supervision missions	PCU	
			Ma=0	80	80	80	80	80				
			Se=0	80	80	80	80	80				
IRD.02: Disbursement rate of IDA funds.	<input type="checkbox"/>	Percent	Gh=0%	20	40	60	80	100	Annual	Supervision missions	PCU and CORAF	
			Ma=0%	20	40	60	90	100				
			Se=0%	20	40	60	85	100				
			Ma=0%									
			Se=0%									
IRD.03: A national M+E system with database functional (structure, data collection & organization, up-to-date, reporting)	<input type="checkbox"/>	Rating (1-5)	Gh 3	3	4	5	5	5	Annual	Supervision missions and Annual assessment	CORAF	
			Ma 3	3	4	5	5	5				
			Se 3	3	4	5	5	5				
			Ma=0%									
			Se=0%									
IRD.04::Percentage of subproject granted with environmental management plan that have been implemented effectively	<input type="checkbox"/>	Percent	Gh=%	100	100	100	100	100	Annual	Supervision missions and Annual assessment	PCU and CORAF	

WAAPP 1B

<b>Project Development Objective (PDO): To generate and accelerate the adoption of improved technologies in the participating countries' agricultural commodity top-priority areas that are aligned with the sub-region's top agricultural commodity priorities, as outlined in the ECOWAP</b>												
PDO Level Results Indicators*	Core	D=Dropped C=Continue N= New R=Revised	Unit of Measure	Baseline	Cumulative Target Values**					Fréquence	Data Source/ Methodology	Responsabilité pour la collecte des données
					2008	2010	2010 (estimated)	2011	2012			
<b>Indicateur un:</b> Bénéficiaires direct/indirects du projet dont 40% de femmes	<input checked="" type="checkbox"/>		Nombre	GH=			3 000	15 000	50 000	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			600	40 000	100 000			
				SN =			1000	15000	50 000			
<b>Indicateur deux:</b> Technologies générées par les CNS (au moins 3 par CNS sur les 5 ans)	<input type="checkbox"/>		Nombre	GH=			4	6	9	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			3	6	8			
				SN =			3	6	8			
<b>Indicateur trois:</b> Technologies diffusées pouvant améliorer le rendement d'au moins 15% par rapport à la situation de référence.	<input type="checkbox"/>		Pourcent	GH=			100	100	100	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			100	100	100			
				SN =			100	100	100			
<b>Indicateur quatre:</b> Superficies couvertes par les technologies améliorées vulgarisées par le Projet	<input checked="" type="checkbox"/>		Hectare	GH=			900	6 000	20 000	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			230	9000	120 000			
				SN =			700	6300	21000			
<b>Indicateur cinq:</b> Producteurs ayant adopté les technologies améliorées diffusées par le Projet	<input checked="" type="checkbox"/>		Nombre	GH=			3000	9 000	30 000	Par an	Missions de supervision missions et évaluation	UCP et CORAF/WECARD
				ML=			340	24000	60000			
				SN =			1000	9000	30			



								000		annuelle/enquête		
RESULTATS INTERMEDIAIRES												
<b>Résultats Intermédiaires (Composante Une): Conditions propices à la coopération régionale en matière de génération et d'adoption de technologies</b>												
<i>Indicateur de résultat intermédiaire un:</i> Réglementations adoptées par pays et alignées avec la réglementation régionale	<input checked="" type="checkbox"/>		Nombre	GH=			2	2	2	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			2	2	2			
				SN =			2	2	2			
<i>Indicateur de résultat intermédiaire deux:</i> Réglementation commune (notamment sur le droit de propriété intellectuelle et/ou Indice Géographique Protégée) a été élaboré et adopté	<input type="checkbox"/>		Oui/Non	GH=			NA	NA	NA	Par an	Missions de supervision missions et évaluation annuelle/enquête	CORAF/WECARD
				ML=			NA	NA	NA			
				SN =			NA	NA	NA			
Indicateur de résultat intermédiaire trois : Règlement de la CEDEAO pour les engrais est élaboré et adopté	<input type="checkbox"/>		Oui/Non	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=								
				SN =								
<i>Indicateur de résultat intermédiaire quatre :</i> Un système de collecte, d'analyse, et de "reporting" de donnée, sur les technologies agricoles, domaine de spécialisation en recherche, et productivité agricole régionale est établi et fonctionnel au niveau de CORAF	<input type="checkbox"/>		Oui/Non	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=								
				SN =								
<b>Résultat Intermédiaire (Composante Deux): Centres de Spécialisation (CNS)</b>												
<i>Indicateur de résultat</i>	<input checked="" type="checkbox"/>		Nombre	GH=			4	6	9	Par an	Missions de	UCP et

<i>intermédiaire un:</i> Technologies générées par les CNS et ayant fait l'objet de démonstration par le Projet dans sa zone d'intervention				ML=			3	6	8		supervision missions et évaluation annuelle/enquête	CORAF/WECARD
				SN =			3	6	8			
<i>Indicateur de résultat intermédiaire deux:</i> Technologies diffusées par le CNS et ayant fait l'objet de test de démonstration dans au moins 2 autres pays de la CEDEAO (autre que le pays d'origine)	<input checked="" type="checkbox"/>		Nombre	GH=			0	1	2	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			0	1	2			
				SN =			0	1	2			
<i>Indicateur de résultat intermédiaire trois:</i> Jours de formation des clients/utilisateurs (notamment des agents de vulgarisation, des producteurs, des commerçants, des communautés etc)	<input checked="" type="checkbox"/>		Nombre H/J	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=								
				SN =								
<i>Indicateur de résultat intermédiaire quatre:</i> Visite d'échanges et voyages d'études	<input checked="" type="checkbox"/>		Nombre	GH=			0/2	4/4	8/6	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			4/3	7/11	10/14			
				SN =			1/0	4/3	7/6			
<b>Résultat Intermédiaire (Composante Trois): Génération et adoption de technologies basées sur la demande pour la recherche adaptative</b>												
<i>Indicateur de résultat intermédiaire un:</i> Propositions de recherche multi-pays financées par le Système régional du Fonds Compétitif pour la Recherche Agricole (CARGS) entretenu par le	<input type="checkbox"/>		Nombre							Par an	Missions de supervision missions et évaluation annuelle/enquête	CORAF/WECARD
				CORAF			0	2	4			

CORAF/WECARD												
<i>Indicateur de résultat intermédiaire deux:</i> Projets de recherche nationale financés (nombre, proportion par rapport aux propositions reçues)	<input type="checkbox"/>		Nombre et %	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=	0	17	29	39	39			
				SN =	0	9	14	36	36			
<i>Indicateur de résultat intermédiaire trois:</i> Technologies générées/diffusées à travers le fond compétitif et ayant fait l'objet de test de démonstration par le projet dans sa zone de couverture (par technologie et par pays) démontré par le Projet sur les sites du Projet	<input checked="" type="checkbox"/>		Nombre	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			7	29	29			
				SN =	0	9	14	26	26			
<i>Indicateur de résultat intermédiaire quatre :</i> Publications dans les revues nationales et régionales	<input checked="" type="checkbox"/>		Nombre	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=			3	6	9			
				SN =			0	3	8			
<i>Indicateur de résultat intermédiaire cinq:</i> Production des semences pré base, base et semences animales financée par le Projet.	<input checked="" type="checkbox"/>		Tonnes ou Nombre	GH=						Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=		Riz : 50 t	Riz : 200 t	Riz : 225 t	Riz : 225 t			
				SN =		Maïs : 136kg	Maïs : 256kg	maïs : 12t Sorg : 2t mil : 950 kg	Mil : 25t Maïs : 50t Sorg : 50t			

**Résultat Intermédiaire (Composante Quatre):** Coordination, gestion et suivi-évaluation du projet

<i>Indicateur de résultat intermédiaire un:</i> Activités de passation de marchés et de gestions financières exécutées en conformité avec les plans de passation de marché, le manuel d'exécution et les autres procédures de l'IDA	<input type="checkbox"/>		Pourcent	GH=		100	100	100	100	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=		100	100	100	100			
				SN =		100	100	100	100			
<i>Indicateur de résultat intermédiaire deux:</i> Rapports de projets soumis dans les délais de 45 jours après la période concernée.	<input type="checkbox"/>		Pourcent	GH=		100	100	100	100	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=		100	100	100	100			
				SN =		100	100	100	100			
<i>Indicateur de résultat intermédiaire trois:</i> Un système de S&E harmonisé est établi et opérationnel dans chaque pays pour la collecte, l'analyse et reporting des données.	<input type="checkbox"/>		Oui/Non	GH=		oui	oui	oui	oui	Par an	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=		oui	oui	oui	oui			
				SN =		oui	oui	oui	oui			
<i>Indicateur de résultat intermédiaire quatre:</i> Tous les sous projets financés comprenant un PGES ont mis en œuvre ledit plan de manière satisfaisante	<input type="checkbox"/>		Pourcent	GH=		100	100	100	100	Annual	Missions de supervision missions et évaluation annuelle/enquête	UCP et CORAF/WECARD
				ML=		100	100	100	100			
				SN =		100	100	100	100			

WAAPP-1C

<b>Project Development Objective (PDO): To generate and accelerate the adoption of improved technologies in the participating countries' agricultural commodity top-priority areas that are aligned with the sub-region's top agricultural commodity priorities, as outlined in the ECOWAP</b>												
PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
<b>Indicator One:</b> Number of Project beneficiaries direct/ indirect, (breakdown 40% of whom are female[F])	<input type="checkbox"/>	Number	B=0	5000	30000	100000	20,000	250000	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			Cl=0	5,000	30,000	50,000	100,000	150,000				
			Ga=0 F=60%	5000	20,000	50,000	80,000	100,000				
			Gui=0	5,000	40,000	80,000	110,000	150,000				
			Li=0	5,000	20,000	50,000	100,000	150,000				
			Ni=0	3,000	50,000	150,000	250,000	300,000				
			SL=0: F=60%	5000	40,000	100,000	150,000	200,000				
			T=0	3000	30,000	70,000	150,000	200,000				
<b>Indicator Two:</b> Number of released technologies by NCOS (at least 3 over five years, cumulative)	<input type="checkbox"/>	Number	B=0	0	2	3	6	8	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			Cl=0	0	0	0	0	0				
			Ga=	0	0	0	0	0				
			Gu=0	0	0	0	0	0				
			Li=0	0	0	0	0	0				
			Ni=0	0	1	5	8	10				
			SL=0	0	2	5	7	9				
			T=0	0	0	0	0	0				
<b>Indicator Three:</b> Percentage of released technologies with at least 15% increase in farm level productivity over the control.	<input type="checkbox"/>	Percent	B=0	0	100 %	100 %	100 %	100 %	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			Cl=0	0	0	0	0	0				
			Ga=15%	0	0	0	0	0				
			Gu=0	0	0	0	0	0				
			Li=0	0	0	0	0	0				
			Ni=0	0	100%	100%	100%	100%				
			SL=0	0	100%	100%	100%	100%				
			T=0	0	0	0	0	0				
<b>Indicator Four:</b> Area under new technologies (ha, breakdown per country and/ or per technology)	<input type="checkbox"/>	Hectare	B=0	3600	21600	72000	144000	180000	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			Cl=0	3600	21600	36000	72000	108000				
			Ga=10,000	3600	14400	36000	57600	72000				
			Gu=0	3600	28800	57600	79200	108000				
			Li=0	3600	14400	36000	72000	108000				

			Ni=0	2160	36000	108000	180000	216000				
			SL=6,600	3600	28800	72000	108000	144000				
			T=0	2160	21600	50400	108000	144000				
<b>Indicator Five:</b> Number of producers (/agribusinesses) who have adopted improved technologies made available under the Project	<input type="checkbox"/>	Number	B=0	3000	18000	60000	120000	150000	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	3000	18000	30000	60000	90000				
			Ca=5	3000	12000	30000	48000	60000				
			Gu=0	3000	24000	48000	66000	90000				
			Li=0	3000	12000	30000	60000	90000				
			Ni=0	1800	30000	90000	150000	180000				
			SL=20	3000	24000	60000	90000	120000				
			T=0	1800	18000	42000	90000	120000				
INTERMEDIATE RESULTS												
<b>Intermediate Result (Component One): Enabling conditions for sub-regional cooperation in technology generation and dissemination</b>												
<i>Intermediate Result indicator One:</i> Number of regulations adopted per country and aligned to regional regulations (number), cumulative	<input type="checkbox"/>	Number	B=1	1	2	3	3	3	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI= N/A	N/A	N/A	N/A	N/A	N/A				
			Ga=	1	2	3	3	4				
			Gu=0									
			Li=0	0	2	2	3	3				
			Ni=1	1	2	3	3	3				
			SL=0	0	1	2	3	3				
			T=0	0	1	1	2	2				
<i>Intermediate Result indicator Two:</i> Common framework for e.g., IPR, farmers' rights and/or Geographic Indicators (GI) developed and agreed on	<input type="checkbox"/>	Yes/No	B=N	N	Y	Y	Y	Y	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=N/A	N/A	N/A	N/A	N/A	N/A				
			Ga=N	Y	Y	Y	Y	Y				
			Gu=N	Y	Y	Y	Y	Y				
			Li=	N	Y	Y	Y	Y				
			Ni=N	N	N	Y	Y	Y				
			SL=N	Y	Y	Y	Y	Y				
			T=N	N	Y	Y	Y	Y				
<i>Intermediate Result indicator Three:</i> A system for data collection, analysis and reporting on agricultural technologies, research skills, and regional agricultural productivity is established and	<input type="checkbox"/>	Yes/No	B=N	N	Y	Y	Y	Y	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=N	Y	Y	Y	Y	Y				
			Ga=N	Y	Y	Y	Y	Y				
			Gu=N	Y	Y	Y	Y	Y				
			Li=	N	Y	Y	Y	Y				
			Ni=N	Y	Y	Y	Y	Y				
			SL=N	Y	Y	Y	Y	Y				
			T=N	Y	Y	Y	Y	Y				

managed by CORAF/WECARD			T=N	N	N	Y	Y	Y				
<i>Intermediate Result indicator Four:</i> National (Variety/Breed) Registration Committee operational	<input type="checkbox"/>	Yes/No	B=N	N	Y	Y	Y	Y	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=Y	Y	Y	Y	Y	Y				
			Ga=N	Y	Y	Y	Y	Y				
			Gu=N	Y	Y	Y	Y	Y				
			Li=N	N	Y	Y	Y	Y				
			Ni=N	N	Y	Y	Y	Y				
			SL=?	Y	Y	Y	Y	Y				
T=N	N	Y	Y	Y	Y							
<i>Intermediate Result indicator Five:</i> Web-based information system on agricultural technologies and research skills is established and managed	<input type="checkbox"/>	Yes/No	B=N	N	Y	Y	Y	Y	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=Y	Y	Y	Y	Y	Y				
			Ga=N	Y	Y	Y	Y	Y				
			Gu=N	Y	Y	Y	Y	Y				
			Li=N	Y	Y	Y	Y	Y				
			Ni=N	N	Y	Y	Y	Y				
			SL=N	Y	Y	Y	Y	Y				
T=	N	Y	Y	Y	Y							
:												
<b>Intermediate Result (Component Two): National Centre of Specialization</b>												
<i>Intermediate Result indicator One:</i> Number of technologies generated by NCOS and demonstrated by the project in the project area (breakdown by technology)	<input type="checkbox"/>	Number	B=0	1	3	6	10	15	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	0	0	0	0	0				
			Ga=	2	3	5	6	8				
			Gu=0	0	1	3	5	6				
			Li=0	0	0	0	0	0				
			Ni=0	1	3	6	10	15				
			SL=0	0	2	4	6	8				
T=0	2	4	6	8	10							
<i>Intermediate Result indicator Two:</i> Number of technologies released by NCOS and demonstrated in at two ECOWAS outside the country of origin (breakdown by technology and country)	<input type="checkbox"/>	Number	B=0	0	1	3	6	10	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	0	0	0	0	0				
			Ga=	0	0							
			Gu=0	0	1	2	3	4				
			Li=0	0	0	0	0	0				
			Ni=0	0	1	2	3	5				
			SL=0	2	3	2	4	6				
T=0	0	0	0	0	0							
<i>Intermediate Result indicator Three:</i>	<input type="checkbox"/>		B=24	90	180	270	360	450		Supervision missions and	PCU and CORAF/WECARD	
			CI=0	200	500	700	700	1000				

Number of client days of training provided (includes scientists, extension agents, agro dealers, farmers, community members, etc)	Number	Ga=	60	140	250	400	600	Annual	Annual assessments/survey		
		Gu=0	500	1500	2500	3500	4500				
		Li=0	100	10000	1,500	2000	3,000				
		Ni=0	3 ??	7 +10 ??	8 = 10 ??	5 + 20 ??	2 + 26??				
		SL=0	1,850	3,700	5,550	7,400	9,250				
		T=??	2	2	2	0	0				
<i>Intermediate Result indicator Four:</i> Number of Scientific exchange visits/study tours	Number	B=0	1	4	6	8	10	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
		CI=0	1	2	3	4	5				
		Ga=	1	2	3	4	5				
		Gu=0	1	4	6	8	10				
		Li=0	2	4	7	12	15				
		Ni=0	2	4	6	8	10				
		SL=0	3	6	10	14	18				
		T=0	50	50	50	50	50				
<b>Intermediate Result (Component Three): Generation and Adoption of Demand-driven Technologies</b>											
<i>Intermediate Result indicator One:</i> Number of Multi-country research proposals financed by the regional Competitive Agricultural Research Grant System (CARGS)	Number	B=0	0	1	2	2	3	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
		CI=0	0	2	4	6	8				
		Ga=0	2	2	4	5	5				
		Gu =0	0	2	4	6	8				
		Li=0	0	1	1	2	3				
		Ni=0	1	3	4	5	6				
		SL=0	5	7	7	8	10				
T=0	0	0	1	2	3						
<i>Intermediate Result indicator Two:</i> National Research projects financed (number, % of proposals received)	Number	B=0	3	7	11	17	23	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
		CI=0	3	5	7	10	10				
		Ga=0	35	45	50	70	80				
		Gu=0	4	6	8	12	12				
		Li=0	1	2	2	2	6				
		Ni=0	3	8	12	18	25				
		SL=0	60	65	70	75	80				
T=0	4	8	12	16	20						
<i>Intermediate Result indicator Three:</i> Number of technologies generated under the CARGS and demonstrated by the project in the project area (breakdown by	Number	B=0	0	0	2	3	4	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
		CI=0	0	0	2	4	6				
		Ga=0	0	0	2	4	5				
		Gu=0	0	2	4	6	10				
		Li=0	0	0	0	1	1				
		Ni=0	0	0	1	2	4				



technology and by country)			SL=0	14	16	18	20	20				
			T=0	0	0	1	2	2				
<i>Intermediate Result indicator Four:</i> Number of publications released in a regional/national journals/magazines	<input type="checkbox"/>	Number	B=4	6	8	8	12	12	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	0	0	2	3	4				
			Ga=0	0	0	5	7	10				
			Gu=0	0	2	3	4	8				
			Li=0	0	0	1	2	2				
			Ni=2	3	5	8	10	10				
			SL=30	40	45	60	80	100				
T=												
<i>Intermediate Result indicator Five:</i> Foundation seeds and breed stock produced through the program support (cereals: tons, cassava: units/ha, etc.)	<input type="checkbox"/>	Ton/Ha	B=1,000	2,500	2,800	3,100	3,400	3,700	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	100	200	300	350	350				
			Ga=0	G:125 R:0 M:0	G:138 R:10 M:7	G151 R:12 M:10	G:166 R:14 M:12	G:183 R:16 M:15				
			Gu=0	500	1200	3500	4500	5500				
			Li=0	100	300	500	1500	5000				
			Ni=500	2000	5000	10000	15000	20000				
			SL= R=0	20	40	50	70	100				
T=0	M: 40mT R :45mT	M: 425 R : 135	M: 620 R: 225	M: 700 R:500	M: 800 R:700							
<b>Intermediate Result (Component Four): Project Management and Coordination</b>												
<i>Intermediate Result indicator One:</i> Percentage of procurement activities are executed in conformity with the procurement plan, the implementation manual, and IDA procedures	<input type="checkbox"/>	Percent	B=	100%	100%	100%	100%	100%	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	100%	100%	100%	100%	100%				
			Ga=0	90%	95%	100%	100%	100%				
			G=0	100%	100%	100%	100%	100%				
			Li=0	100%	100%	100%	100%	100%				
			Ni=0	100%	100%	100%	100%	100%				
			SL= 0	100%	100%	100%	100%	100%				
T=0	100%	100%	100%	100%	100%							
<i>Intermediate Result indicator Two:</i> Percentage of reports are presented within 45 days of the end of the relevant period.	<input type="checkbox"/>	Percent	B=0	100%	100%	100%	100%	100%	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	100%	100%	100%	100%	100%				
			Ga=0	90%	95%	100%	100%	100%				
			Gu=0	100%	100%	100%	100%	100%				
			Li=0	100%	100%	100%	100%	100%				
			Ni=	100%	100%	100%	100%	100%				

			SL= 0	100%	100%	100%	100%	100%				
			T=0	100%	100%	100%	100%	100%				
<i>Intermediate Result indicator Three:</i> A national M+E system is established and operational for data collection	<input type="checkbox"/>	Yes/No	B=N	Y	Y	Y	Y	Y	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=N	Y	Y	Y	Y	Y				
			Ga=N	Y	Y	Y	Y	Y				
			Gu=N	Y	Y	Y	Y	Y				
			Li=N	Y	Y	Y	Y	Y				
			Ni=N	Y	Y	Y	Y	Y				
			SL= Y	Y	Y	Y	Y	Y				
			T=N	Y	Y	Y	Y	Y				
<i>Intermediate Result indicator Four:</i> Percentage of sub-project granted with environmental management plan that have been implemented effectively	<input type="checkbox"/>	Percent	B=0	100%	100%	100%	100%	100%	Annual	Supervision missions and Annual assessments/survey	PCU and CORAF/WECARD	
			CI=0	40%	50%	70%	80%	80%				
			Ga=	100%	100%	100%	100%	100%				
			Gu=0	100%	100%	100%	100%	100%				
			Li=0	100%	100%	100%	100%	100%				
			Ni=0	100%	100%	100%	100%	100%				
			SL= 0	100%	100%	100%	100%	100%				
			T=0	100%	100%	100%	100%	100%				

**\*Please indicate whether the indicator is a Core Sector Indicator (see further <http://coreindicators>)**

**\*\*Target values should be entered for the years data will be available, not necessarily annually.**

**B. Annex 2 : Results Indicators Measurement Framework**

Results Indicators	Country	Baseline	Targets and Results															CUMULATIVE		
			YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5			Target	Actual	% Achieved
			Target	Actual	% Achieved	Target	Actual	% Achieved	Target	Actual	% Achieved	Target	Actual	% Achieved	Target	Actual	% Achieved			
IDO1 Direct project beneficiaries of which 40percent female-disaggregated by country																				
IDO2 Beneficiaries who are using technologies generated by other countries																				
IDO3 Technologies generated by the Project with at least 15% productivity increase over the control – disaggregated by country																				
IDO4 Producers with knowledge of generated/released technologies by the Project- disaggregated by country																				
IDO5 Area under new technologies disaggregated by country																				
IDO6 Processors/ producers who have adopted at least one new technology - disaggregated by country																				
Component 1: Strengthening the enabling environment for regional cooperation for the generation and adoption of agricultural technologies																				

IR1.01 Pesticide  
products/and genetic  
materials registered by  
national committees -  
disaggregated by  
country


**C. ANNEX 3: Results indicators reference sheets**  
**PDO indicators**

<b>Indicator Code :</b> IDO 1		<b>Type :</b> PDO Indicator																								
<b>Name of Indicator:</b> Direct project beneficiaries of which 40% female - disaggregated by country																										
<p><b>Definition/Description of indicator:</b>  As defined in the PAD of WAAP-2A (page 19), “The Project’s primary beneficiaries are the producers, processors and all other actors of the selected value chains”.</p> <p>The PAD also defines some project’s <b>secondary beneficiaries</b>: as “the key participants in the generation and dissemination of technology, including researchers, extension agents, public and private extension services and advisory agencies, research institutions, universities, NGOs, and government agencies involved in value chains management.</p> <p>This indicator definition refers to those actors in each selected value chain (Producers, Processors and others), who <b>directly</b> benefit from project activities, outputs and outcomes <b>such as training</b>, technology demonstration, use of generated technologies</p>																										
<b>Objective/Component/Sub-component :</b> PDO Results Level		<b>Method of Data collection :</b> Beneficiary Assessments and Surveys; Checklist and Review of , Training Reports , Activity Completion Reports, Progress Reports ,Evaluation Reports and Technical Reports																								
<b>Target:</b> <table border="1"> <thead> <tr> <th rowspan="2">Country</th> <th colspan="5">Cumulative Target Values</th> </tr> <tr> <th>Year 1</th> <th>Year 2</th> <th>Year 3</th> <th>Year 4</th> <th>Year 5</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>125,000</td> <td>250,000</td> <td>500,000</td> <td>600,000</td> <td>700,000</td> </tr> <tr> <td>Senegal</td> <td>100,000</td> <td>150000</td> <td>300,000</td> <td>600,000</td> <td>700,000</td> </tr> </tbody> </table>		Country	Cumulative Target Values					Year 1	Year 2	Year 3	Year 4	Year 5	Ghana	125,000	250,000	500,000	600,000	700,000	Senegal	100,000	150000	300,000	600,000	700,000	<b>Source of Information :</b> <ul style="list-style-type: none"> <li>• Implementing Partners reports</li> <li>• Implementing Agencies reports</li> <li>• Service provider reports</li> </ul>	
Country	Cumulative Target Values																									
	Year 1	Year 2	Year 3	Year 4	Year 5																					
Ghana	125,000	250,000	500,000	600,000	700,000																					
Senegal	100,000	150000	300,000	600,000	700,000																					
<b>Unit of Measure:</b> Number	<b>Frequency of Data Collection :</b> Quarterly	<b>Disaggregated by :</b> Category, sex, youth Note : Definition of Youth may vary from country to country ; as best as possible age should be reported in Single years to permit use of international Standards ,e.g., UNICEF definition , 18 – 30 yrs)																								
<b>Baseline :</b> <table border="1"> <thead> <tr> <th>Country</th> <th>Baseline</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>100,000</td> </tr> <tr> <td>Senegal</td> <td>80,000</td> </tr> </tbody> </table>		Country	Baseline	Ghana	100,000	Senegal	80,000	<b>Data required:</b> Number of actors (disaggregated by men/women) in each selected value chain who directly benefit from project activities such as training, technology demos, use of generated technologies: <ul style="list-style-type: none"> <li>• Number of producers</li> <li>• Number of processors,</li> <li>• Numbers of fishermen</li> <li>• Number of craftsmen</li> <li>• Number of breeders</li> <li>• Number of entrepreneurs</li> <li>• Number of others categories</li> <li>• Etc</li> </ul>																		
Country	Baseline																									
Ghana	100,000																									
Senegal	80,000																									
<b>Cost for Data Collection :</b> TBD		<b>Responsibility for data collection :</b> PCU , Implementing Partners																								

**Commenté [PL1]:** To be removed...already capture in “client days..”

<b>Indicator Code : IDO 2</b>		<b>Type : PDO Indicator</b>										
<b>Name of Indicator : Beneficiaries who are using technologies generated by other countries</b>												
<b>Definition/Description of indicator:</b> Any individual that uses agriculture-related technologies and innovations generated by other WAAPP Countries. Agricultural technologies may include : cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others												
<b>Objective/Component/Sub-component :</b> PDO Results Level			<b>Method of Data collection :</b> Surveys, Annual assessments									
<b>Target:</b>												
Country	Cumulative Target Values					<b>Source of Information :</b> Implementing Partners and PCU						
	Year 1	Year 2	Year 3	Year 4	Year 5							
Ghana	25,000	50,000	100,000	120,000	140,000							
Senegal	20,000	30,000	60,000	120,000	140,000							
<b>Unit of Measure:</b> Number		<b>Frequency of Data Collection :</b> Bi-Annual		<b>Disaggregated by :</b> Gender, Category of Beneficiary and Youth								
<b>Baseline :</b>		<table border="1"> <thead> <tr> <th>Country</th> <th>Baseline</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>0</td> </tr> <tr> <td>Senegal</td> <td>0</td> </tr> </tbody> </table>		Country	Baseline	Ghana	0	Senegal	0	<b>Data required:</b>		
Country	Baseline											
Ghana	0											
Senegal	0											
				<ul style="list-style-type: none"> <li>• Number of <u>producers</u> who are using improved technologies from other WAAPP Countries.</li> <li>• Number of <u>processors</u> who are using improved technologies from other WAAPP Countries</li> <li>• Numbers of <u>fishermen</u> who are using improved technologies from other WAAPP Countries</li> <li>• Number of <u>craftsmen</u> who are using improved technologies from other WAAPP Countries</li> <li>• Number of <u>breeders</u> who are using improved technologies from other WAAPP Countries</li> <li>• Number of <u>entrepreneurs</u> who are using improved technologies from other WAAPP Countries</li> <li>• Number of <u>other actors</u> who are using improved technologies from other WAAPP Countries</li> </ul>								
<b>Cost for Data Collection :</b> TBD												
<b>Responsibility for data collection :</b>			PCU ; Implementing Partners									

<b>Indicator Code :</b> IDO3		<b>Type :</b> PDO Indicator																								
Name of Indicator : Technologies generated by the Project with at least 15% productivity increase over the control – disaggregated by country																										
<b>Definition/Description of indicator:</b>																										
<ul style="list-style-type: none"> <li>Information on pipeline of technologies to be provided by NCOS and other research institution</li> <li>Technologies to be counted here are agriculture-related technologies and innovations including cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others</li> <li>All such technologies should reflect a minimum productivity level of 15%.</li> </ul>																										
<b>Objective/Component/Sub-component :</b> PDO Results Level		<b>Method of Data collection :</b> Surveys, Annual assessments																								
<b>Target:</b>		<b>Source of Information :</b>																								
	<table border="1"> <thead> <tr> <th rowspan="2">Country</th> <th colspan="5">Cumulative Target Values</th> </tr> <tr> <th>Year 1</th> <th>Year 2</th> <th>Year 3</th> <th>Year 4</th> <th>Year 5</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>12</td> <td>13</td> <td>15</td> <td>16</td> <td>17</td> </tr> <tr> <td>Senegal</td> <td>20</td> <td>22</td> <td>24</td> <td>26</td> <td>26</td> </tr> </tbody> </table>			Country	Cumulative Target Values					Year 1	Year 2	Year 3	Year 4	Year 5	Ghana	12	13	15	16	17	Senegal	20	22	24	26	26
Country	Cumulative Target Values																									
	Year 1	Year 2	Year 3	Year 4	Year 5																					
Ghana	12	13	15	16	17																					
Senegal	20	22	24	26	26																					
		<ul style="list-style-type: none"> <li>Evaluation reports</li> <li>Implementing Partners reports</li> <li>Implementing Agencies reports</li> <li>Service provider reports</li> </ul>																								
<b>Unit of Measure:</b> Number	<b>Frequency of Data Collection :</b> Annual	<b>Disaggregated by :</b> Type of Technology																								
<b>Baseline :</b>		<b>Data required:</b>																								
	<table border="1"> <thead> <tr> <th>Country</th> <th>Baseline</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>10</td> </tr> <tr> <td>Senegal</td> <td>18</td> </tr> </tbody> </table>	Country	Baseline	Ghana	10	Senegal	18	<ul style="list-style-type: none"> <li>List of technologies generated (cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others)</li> <li>Count of technologies with a minimum of 15% increase in productivity</li> </ul>																		
Country	Baseline																									
Ghana	10																									
Senegal	18																									
<b>Cost for Data Collection :</b> TBD		<b>Responsibility for data collection :</b>																								
		<ul style="list-style-type: none"> <li>PCU</li> <li>NCOS</li> <li>Implementing Agencies</li> </ul>																								

<b>Indicator Code</b> : IDO 4		<b>Type</b> : PDO Indicator			
<b>Name of Indicator</b> : Producers with knowledge of technologies generated/released by the Project- disaggregated by country					
<b>Definition/Description of indicator:</b> This indicator measures the total number of producers, number of processors, fishermen, craftsmen, breeders, entrepreneurs, others categories that are aware of new technologies released through project support. Such new technologies may include innovations cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others.					
<b>Objective/Component/Sub-component</b> : PDO Results Level			<b>Method of Data collection</b> : Farm/ Household Survey		
<b>Target:</b>					
Country	<b>Cumulative Target Values</b>				
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
Ghana	40	60	70	80	80
Senegal	30	50	60	80	80
<b>Unit of Measure:</b> Percent			<b>Frequency of Data Collection</b> : Annual		<b>Disaggregated by</b> : <ul style="list-style-type: none"> <li>• Gender,</li> <li>• Category of Beneficiary</li> <li>• Youth</li> </ul>
<b>Baseline :</b>			<b>Data required:</b> Percent of project beneficiaries (producers, number of processors, fishermen, craftsmen, breeders, entrepreneurs, others categories) that know about technologies generated/released by the Project		
Country	Baseline				
Ghana	20				
Senegal	10				
<b>Cost for Data Collection</b> : TBD			<b>Responsibility for data collection</b> : <ul style="list-style-type: none"> <li>• PCU</li> <li>• Implementing Partners</li> <li>• Implementing Agencies</li> </ul>		



<b>Indicator Code</b> : IDO 5		<b>Type</b> : PDO Indicator																								
<b>Name of Indicator</b> : Area under new technologies disaggregated by country																										
<b>Definition/Description of indicator:</b> This indicator measures the new and continuing area (in hectares) of land under new technology during the current reporting year. Any technology that was first adopted in a previous reporting year and continues to be applied should be marked as "Continuing". If a hectare is under more than one improved technology type (e.g. improved seed - crop genetics) and Integrated Pest Management (IPM), count the hectare under each technology type (i.e. double-count).																										
<b>Objective/Component/Sub-component</b> : PDO Results Level		<b>Method of Data collection:</b> Surveys of program participants, direct observations of land, and report into program documents.																								
<b>Target:</b>		<b>Source of Information :</b>																								
<table border="1"> <thead> <tr> <th rowspan="2">Country</th> <th colspan="5">Cumulative Target Values</th> </tr> <tr> <th>Year 1</th> <th>Year 2</th> <th>Year 3</th> <th>Year 4</th> <th>Year 5</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>135,000</td> <td>200,000</td> <td>300,000</td> <td>400,000</td> <td>600,000</td> </tr> <tr> <td>Senegal</td> <td>100,000</td> <td>150,000</td> <td>300,000</td> <td>400,000</td> <td>500,000</td> </tr> </tbody> </table>		Country	Cumulative Target Values					Year 1	Year 2	Year 3	Year 4	Year 5	Ghana	135,000	200,000	300,000	400,000	600,000	Senegal	100,000	150,000	300,000	400,000	500,000	<ul style="list-style-type: none"> <li>• Survey reports,</li> <li>• Implementation Partner Report ;</li> </ul>	
Country	Cumulative Target Values																									
	Year 1	Year 2	Year 3	Year 4	Year 5																					
Ghana	135,000	200,000	300,000	400,000	600,000																					
Senegal	100,000	150,000	300,000	400,000	500,000																					
<b>Unit of Measure:</b> Hectare		<b>Frequency of Data Collection :</b> Annual																								
<b>Disaggregated by :</b> Type of Technology; New/Continuing Technologies		<b>Data required:</b>																								
<b>Baseline :</b>		<ul style="list-style-type: none"> <li>• Number of hectares covered by the new technologies (disaggregated by type of technology) for this reporting period</li> <li>• A list of the new technologies</li> </ul>																								
<table border="1"> <thead> <tr> <th>Country</th> <th>Baseline</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>50,000</td> </tr> <tr> <td>Senegal</td> <td>40,000</td> </tr> </tbody> </table>		Country	Baseline	Ghana	50,000	Senegal	40,000	<b>Responsibility for data collection :</b>																		
Country	Baseline																									
Ghana	50,000																									
Senegal	40,000																									
<b>Cost for Data Collection</b> : TBD		<ul style="list-style-type: none"> <li>• PCU</li> <li>• Implementing Partners</li> </ul>																								

<b>Indicator Code :</b> IDO 6		<b>Type :</b> PDO Indicators																									
<b>Name of Indicator :</b> Processors/ producers who have adopted at least one new technology -disaggregated by country																											
<b>Definition/Description of indicator:</b> This indicator measures the total number of beneficiaries (i.e., producers/-processors) that used at least one new technologies as a result of WAAPP support. This includes innovations in cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others.  In the case where, for example, a farmer applies more than one innovation as a result of WAAPP assistance, they are still only counted once. Also, if more than one farmer in a household is applying new technologies, count all the farmers in the household who apply.																											
<b>Objective/Component/Sub-component :</b> PDO Results Level		<b>Method of Data collection :</b> Household and Farm Surveys, rapports des agences d'exécution																									
<b>Target:</b>		<b>Source of Information :</b>																									
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Ghana	60,000	150,000	250,000	300,000	400,000																						
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<b>Unit of Measure:</b> Number		<b>Frequency of Data Collection :</b> Annual	<b>Disaggregated by :</b> <ul style="list-style-type: none"> <li>• Gender,</li> <li>• Category of Beneficiary</li> <li>• Youth</li> </ul>																								
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Country	Baseline																										
Ghana	25,000																										
Senegal	30,000																										
<b>Cost for Data Collection :</b> TBD																											
<b>Responsibility for data collection :</b>		<ul style="list-style-type: none"> <li>• PCU, Implementing Partners</li> </ul>																									

### Indicators for Component I

<b>Indicator Code : IR.I.01</b>	<b>Type :</b> Intermediate Result Indicator
<b>Name of Indicator :</b> Pesticide products / genetic materials registered by national committees – disaggregated by country	
<b>Definition/Description of indicator:</b> This indicator assesses the functionality of the committees in charge of seeds and pesticides in the implementation of the ECOWAS regulations  <u>Pesticides products registered:</u> These are pesticides which are authorized for use. <u>Genetic material:</u> Plant and animal genetic material.	
<b>Objective/Component/Sub-component :</b>	<b>Method of Data collection :</b> a- Counting of pesticide products registered at the national committee; b- Counting of plant genetic material registered at the national committee; c- Counting of animal genetic material registered at the national committee;
<b>Targets :</b>	<b>Sources of information :</b> National/regional committee of registration,
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> bi-annual
<b>Baseline Value :</b>	<b>Data required:</b> The list of products registered at the National/Regional registration committee: <ul style="list-style-type: none"> <li>• Number of pesticides registered; active ingredient, WHO Class, are of use, date of registration</li> <li>• Number of plant genetic materials registered, name, type of material, potential productivity</li> <li>• Number of animal genetic materials registered, name, type of material, potential productivity</li> </ul>
<b>Cost for Data Collection :</b> TBD	
<b>Responsible for data collection :</b>	National Project Coordination Unit / Technical Implementing partner

<b>Indicator Code : IR.I.02</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of the indicator : Laboratories with ISTA/ISO certification (Disaggregated by country)</b>	
<b>Definition/Description of indicator :</b> This indicator gives number of ISTA and ISO certified labs with the support of WAAPP <b>ISTA Certification (International Seed Testing Association):</b> Is the institution in charge of the certification of seed laboratories. <b>ISO Certification :</b> The International Standards Organisation (ISO) is the institution in charge of the quality certification Laboratories concerned are the seed laboratories, biotech laboratories, livestock laboratories, gene banks, etc..	
<b>Objective/Component/Sub-component :</b>	<b>Method of Data collection :</b> The counting of the number of ISTA/ISO certified labs with the support of WAAPP
<b>Targets :</b>	<b>Sources of information :</b> NPCU/NCoS/Labs
<b>Unit of measure :</b> Pourcentage (%)	<b>Frequency of Data Collection :</b> Annual
<b>Baseline Value :</b>	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of ISTA/ISO certified labs</li> <li>• Name of the lab</li> <li>• Type of certification (ISTA or ISO)</li> <li>• Reference of the certificate</li> <li>• Date of certification</li> <li>• Period of validity</li> </ul>
<b>Cost of data collection :</b> TBD	
<b>Responsible for data collection</b>	NPCU/NCoS

<b>Indicator Code : IR.I.03</b>	<b>Type :</b> Intermediate Result Indicator
<b>Name of Indicator</b> Technologies with property rights (disaggregated by country)	
<b>Definition/Description of indicator:</b> Number of technologies with property rights (DPI). This indicator aims to assess the progress made in obtaining Intellectual Property Rights in order to promote the dissemination of technologies.	
<b>Technology:</b> Any technology/innovation that brings some change or improvement in the productivity of a value chain. Technologies are in the following areas: cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others	
<b>Property rights:</b> That's a set of legal rules to protect the production of intellectual work.  The intellectual property rights can be obtained from the West African Organization for Intellectual Property (OAPI) which is a sub-regional organization with branches in several countries. It can be also obtained from other organizations.	
<b>Objective/Component/Sub-component :</b>	<b>Method of Data collection :</b> Identify technologies of all types that have obtained property rights with the support of WAAPP
<b>Targets :</b>	<b>Sources of information :</b> National Coordination Unit/National Bureau of OAPI
<b>Unit of measure:</b> Number	<b>Frequency of Data Collection :</b> Annual
<b>Baseline Value :</b>	<b>Data required:</b> Number of technologies with IPR – disaggregated per type Technology type: cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others
<b>Cost of data collection :</b> TBD	
<b>Responsibility for data collection :</b>	NPCU/CNS

<b>Indicator Code : IR.I.04</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of Indicator</b> Plant and animal genetic material generated by CNS / CRE and registered in the regional catalog	
<b>Definition/Description of indicator:</b> Number of plant and animal genetic material generated by NCoS/RCE and registered in the regional catalog	
<b>Objective/Component/Sub-component :</b>	<b>Method of Data collection :</b> Counting the number of plant genetic material generated by CNS / CRE and registered in the regional catalog Counting the number of animal genetic material generated by CNS / CRE and registered in the regional catalog
<b>targets :</b>	<b>Sources of information :</b> NCoS/RCE/Regional Committee of plant and animal genetic material Registration
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> Annual
<b>Baseline Value :</b>	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of plant genetic material generated by CNS / CRE and registered in the regional catalog, name, type, date of registration, potential productivity, country of origin</li> <li>• Number of animal genetic material generated by CNS / CRE and registered at in the regional catalog, name, type, date of registration, potential productivity, country of origin</li> </ul>
<b>Cost of data collection :</b> TBD	
<b>Responsible for data collection:</b>	NPCU/NCoS

<b>Indicator Code : IR.I.05</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of Indicator</b> Requests (visits) made in the National / Regional web based Information System on technologies and expertise	
<b>Definition/Description of indicator:</b> This indicator is the number of consultations/visits to the National / Regional web based Information System on technologies and expertises	
<b>Objective/Component/Sub-component :</b>	<b>Method of Data collection :</b> Counting the number of visitors to website of national web-based information system on technologies and expertise Counting the number of visitors to website of Regional web-based information system on technologies and expertise
<b>Targets :</b>	<b>Sources of information :</b> NPCU/RPCU
<b>Unit of measure :</b> Nombre	<b>Frequency of Data Collection :</b> Quarterly
<b>Baseline value :</b>	<b>Data required:</b> <ul style="list-style-type: none"> <li>• number of visitors to website of national web-based information system on technologies and expertise</li> <li>• number of visitors to website of Regional web-based information system on technologies and expertise</li> </ul>
<b>Cost of data collection</b>	
<b>Responsibility for data collection :</b>	NPCU/RPCU

<b>Indicator Code : IR.I.06</b>	<b>Type : Intermediate result indicator</b>
<b>Name of Indicator</b> Action plans developed on gender, communication, climate change - disaggregated by country	
<b>Definition/Description of indicator</b> : The counting of the number of Action plans developed, It is planned 3 action plans: Gender, Communication, and Climate Change. For evaluation needs, it will be necessary to mmeasure the level of implementation of these action plans. .	
<b>Objective/Component/Sub-component</b> :	<b>Method of Data collection</b> : <ul style="list-style-type: none"> <li>• Counting of number of Action plans developed</li> <li>• Calculate the rate of implementation of the activities of each action plan</li> <li>• a = Rate of implementation of action plan on Gender: the ratio of the number of activities implemented to the number of activities planned. ,</li> <li>• b = Rate of implementation of action plan on Communication: the ratio of the number of activities implemented to the number of activities planned.</li> <li>• c = Rate of implementation of action plan on Climate Change : the ratio of the number of activities implemented to the number of activities planned.</li> </ul>
<b>Targets</b> :	<b>Sources of information</b> : Focal points on Environment, social and Gender/NCU
<b>Unit of measure</b> : Number	<b>Frequency of Data Collection</b> : Quarterly
<b>Baseline value</b> :	<b>Data required:</b> <ul style="list-style-type: none"> <li>• number and type of action plans developed</li> <li>• Number of activities implemented per actions plan</li> <li>• Number of activities planned per Action Plan</li> </ul>
<b>Cost of data collection</b> : TBD	
<b>Responsibility for data collection</b> :	NPCU/Gender and Environment focal points



## Indicators for Component II

<b>Indicator Code : IR2.01</b>		<b>Type : Intermediate Result Indicateur</b>							
<b>Name of Indicator:</b> Qualifying criteria met by the NCOS to become RCOE									
<b>Definition/Description of indicator:</b> This indicator determines the compliance with the criteria for the passage of CNS to become Regional Centre of Excellence. The criteria for assessing this passage relate to : (i) Quality of research teams; (ii) ISO Label Certification Relevance of the programs implemented by the RCoE vis-à-vis regional priorities and needs; (iii) Regional research program planning and networking; (iv) Efficiency of information and communication strategy of Agricultural research results (v) Contribution to significant capacity building of NARS through partnership with CGIAR & ARIs in West Africa (vi) Quantity and quality of “ready-to-go” agricultural innovations efficiently generated & delivered									
<b>Objective/Component/Sub-component : B</b>		<b>Method of Data collection :</b> Conformity assessment of the Centres with the following criteria : (i) Quality of research teams; (ii) ISO Label Certification Relevance of the programs implemented by the RCoE vis-à-vis regional priorities and needs; (iii) Regional research program planning and networking; (iv) Efficiency of information and communication strategy of Agricultural research results (v) Contribution to significant capacity building of NARS through partnership with CGIAR & ARIs in West Africa (vi) Quantity and quality of “ready-to-go” agricultural innovations efficiently generated & delivered							
<b>Targets:</b>		<b>Source of information :</b> evaluation report of NCOS/RCOE/CORAF							
<b>Unit of Measure:</b> Nombre de critères satisfaits		<b>Frequency of data collect ion:</b> annual							
<b>baseline :</b>		<b>Data required:</b>							
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Countries</th> <th style="width: 50%;">baseline</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Countries	baseline					Results of the Conformity assessment of the Centres with the following criteria : (i) Quality of research teams; (ii) ISO Label Certification Relevance of the programs implemented by the RCoE vis-à-vis regional priorities and needs; (iii) Regional research program planning and networking; (iv) Efficiency of information and communication strategy of Agricultural research results (v) Contribution to significant capacity building of NARS through partnership with CGIAR & ARIs in West Africa (vi) Quantity and quality of “ready-to-go” agricultural innovations efficiently generated & delivered	
Countries	baseline								
<b>Costs of collect</b>									
<b>Responsible for the collect :</b>		NPCU, RPCU/NCoS							

<b>Indicator Code :</b> IR2.02		<b>Type :</b> Intermediate Result Indicator	
<b>Name of Indicator:</b> CNS/RCOE with ISO certificate			
<b>Definition/Description of indicator:</b> this indicator is a counting of NCoS/RCoE that are ISO certified by authorized organization.			
<b>Objective/Component/Sub-component :</b>		<b>Method of data calculation/collection :</b> Counting CNS/RCOE with ISO certificate	
<b>Cibles:</b>		<b>Source of information:</b> PCU report, Certification report.	
<b>Pays</b>	<b>an 1</b>	<b>an 2</b>	<b>an 3</b>
<b>Unit of Measure:</b> Number		<b>Frequency of data collection :</b> annual	
<b>baseline :</b>		<b>Data required:</b>	
<b>pays</b>	<b>baseline</b>	(i) Name of the Center,	
		(ii) the reference of the certificate	
		(iii) Date of certification,	
		(iv) Period of validity of the certification	
<b>Cost od data collection :</b> TBD			
<b>Responsible for data collection :</b>		CORAF, CNS	

<b>Indicator Code</b> : IR2.03		<b>Type</b> : Intermediate Result Indicator																			
<b>Name of Indicator:</b> Technologies generated by NCoS and demonstrated in at least three ECOWAS countries outside the country of origin - disaggregated by country																					
<b>Description/definition of indicator:</b> This is the counting of technologies that have been developed by the National Center of specialization and tested in three ECOWAS countries outside the country of origin. These technologies are disaggregated by type : cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others. This indicator measures the regional dynamic of the programme.																					
<b>Objective/Component/Sub-component :</b>		<b>Method of data collection / Calculation :</b> counting of technologies that have been developed by the National Center of specialization and tested in three ECOWAS countries other than the country of origin. These technologies are disaggregated by type																			
<b>Target:</b> <table border="1"> <thead> <tr> <th>Country</th> <th>Yr 1</th> <th>Yr 2</th> <th>Yr 3</th> <th>Yr 4</th> <th>Yr 5</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td>0</td> <td>2</td> <td>3</td> <td>4</td> <td>6</td> </tr> <tr> <td>Senegal</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> </tbody> </table>		Country	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Ghana	0	2	3	4	6	Senegal	2	3	4	5	6	<b>Source of Information :</b> NCoS Report, PCU Reports	
Country	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5																
Ghana	0	2	3	4	6																
Senegal	2	3	4	5	6																
<b>Unit of Measure:</b> Number		<b>Frequency of Data Collection :</b> Bi annual																			
<b>Baseline :</b> <table border="1"> <thead> <tr> <th>Country</th> <th>Baseline</th> </tr> </thead> <tbody> <tr> <td>Ghana</td> <td></td> </tr> <tr> <td>Senegal</td> <td></td> </tr> </tbody> </table>		Country	Baseline	Ghana		Senegal		<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of technologies generated by CNS (type of technology)</li> <li>• Number of CNS technologies demonstrated in three ECOWAS countries outside the country of origin</li> <li>• Countries that have received these technologies</li> </ul>													
Country	Baseline																				
Ghana																					
Senegal																					
<b>Cost for Data Collection :</b> TBD																					
<b>Responsibility for data collection :</b>		NCoS focal points, WAAPP M&E																			

<b>Indicator Code : IR2.04</b>		<b>Type : Intermediate Result Indicator</b>				
<b>Name of Indicator:</b> Study sponsorship- desegregated by country and MSc and PHD						
<b>Detailed description/definition of indicator:</b> This indicator is counting of beneficiaries who are enrolled and who have successfully completed their MSc and PhD programs at local, regional or international level with a gender and areas of specialization disaggregation.						
<b>Objective/Component/Sub-component:</b>				<b>Method of data collection/Calculation :</b> Total number of beneficiaries disaggregated by gender and areas of specialization		
<b>Target:</b>				<b>Source of Information :</b> NCoS report, PCU report		
<b>Country</b>		<b>Yr 1</b>	<b>Yr 2</b>	<b>Yr 3</b>	<b>Yr 4</b>	<b>Yr 5</b>
Ghana	MSc	34	44	49	53	53
	PhD	10	15	20	20	20
Senegal	MSc	21	30	35	35	35
	PhD	21	30	35	35	35
<b>Unit of Measure:</b> Number				<b>Frequency of Data Collection :</b> Annually		
<b>Baseline :</b>				<b>Data required:</b>		
<b>Country</b>	<b>Baseline</b>					
Ghana	MSc	14				
	PhD	2				
Senegal	MSc	2				
	PhD	7				
<b>Cost for Data Collection :</b> As Indicated on Budget						
<b>Responsibility for data collection :</b> M&E Office				NCoS focal points, WAAPP M&E		

<b>Indicator Code: IR2.03</b>		<b>Type :</b> Intermediate result indicator					
<b>Name of Indicator:</b> Scientific exchange visits - disaggregated by country							
<b>Detailed description/definition of indicator:</b> This indicator gives the number of exchange visits/study tours undertaken by countries. It is necessary to indicate the type of visits (exchange visits or study tours) and the number, category, sex of participants.							
<b>Objective/Component/Sub-component :</b>		<b>Method of data collection/Calculation :</b> Enumeration of exchange visits or study tours and participants (disaggregated category and sex)					
<b>Target:</b>		<b>Source of Information :</b>					
Countries	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	PCU, NCoS, IA report	
Ghana	16	20	24	30	32		
Senegal	9	14	19	24	29		
<b>Unit of Measure:</b>		<b>Frequency of Data Collection :</b> Annually					
<b>Baseline :</b>		<b>Data required:</b>					
<b>Country</b>	<b>Study Tours</b>	<ul style="list-style-type: none"> <li>• number of exchange visits conducted</li> <li>• number of study tours conducted</li> <li>• number of participants disaggregated by category and sex</li> <li>• country visited</li> </ul>					
Ghana	12						
Senegal	4						
<b>Cost for Data Collection :</b> as indicated in the budget							
<b>Responsibility for data collection</b>		WAAPP M&E officer, PCU					

### Indicators for Component III

<b>Indicator Code: IR3.01</b>	
<b>Name of the indicator:</b> Multi-country research proposals funded by the Regional System of the Competitive Agricultural Research Fund	
<b>Definition/Description of indicator:</b> This indicator refers to the number of multi country research proposals financed by the Regional competitive Funds managed by CORAF/WECARD.	
<b>Objectif / Composante / Sous-composante :</b> Component 3	<b>Method of Data collection :</b> Counting of multi-country research proposals funded by the Regional competitive Funds managed by CORAF/WECARD.
<b>Targets :</b>	<b>Sources of information :</b> CORAF/WECARD Executive Secretariat
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> Annual
<b>Baseline value :</b>	<b>Data required:</b> <ul style="list-style-type: none"> <li>• number of multi country research proposals financed by the Regional competitive Funds</li> <li>• number of multi country research proposals received by the Regional competitive Funds</li> </ul>
<b>Cost of data collection :</b>	
<b>Responsibility for data collection :</b>	<b>CORAF</b>

<b>Indicator Code:</b> IR3.02	Type : Intermediate Result Indicator
<b>Name of Indicator</b> Demand –driven national research projects funded by the national Competitive Fund for Agriculture Research	
<b>Definition/Description of indicator:</b> This indicator refers to the number of national research projects funded by the national Competitive Fund of WAAPP for each country	
<b>Objective/Component/Sub-component :</b> Component 3	<b>Method of Data collection :</b> Counting of research proposals funded by the National Competitive Fund
<b>Targets :</b>	<b>Sources of information :</b> - Reports of the Entities managing the national competitive funds - Reports of WAAPP NPCU
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> Annual
<b>Baseline value</b>	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of project proposals funded</li> <li>• Number of project proposals received</li> </ul>
<b>Cost of data collection :</b>	
<b>Responsibility for data collection :</b>	Entities responsible for the management of the national competitive funds/NPCU

<b>Indicator Code:</b> IR3.03	<b>Type :</b> Intermediate Result Indicator
<b>Name of Indicator :</b> Demonstration plots/units established	
<b>Definition/Description of indicator:</b> This indicator refers to the number of demonstration plots or units established for technologies/innovations cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others	
<b>Objective/Component/Sub-component :</b> Component 3	<b>Method of Data collection :</b> Counting of the number of demonstration plots or units type of technology innovations : cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others
<b>Targets :</b>	<b>Sources of information :</b> Extension services reports/PCU report/IA reports/NCoS reports
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> Quarterly
<b>Baseline value :</b> 0	<b>Data required:</b> number of demonstration plots or units type of technology innovations : cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others
<b>Cost of data collection</b>	
<b>Responsibility for data collection :</b>	Implementation agencies/PCU



<b>Indicator Code:</b> IR3.04	<b>Type:</b> Intermediate Result indicator
<b>Name of Indicator :</b> Number of technologies demonstrated in the country	
<b>Definition/Description of indicator:</b> This indicator refers to the number of technologies that have been tested for demonstration within the project's zone at national level. These technologies may be from national origin or introduced. Technologies may include cereal seeds, oleaginous seed, roots and tuber seeds, banana and plantains seeds, fruits and legumes seeds, fingerlings, animal seeds, Pest and disease management, Soil fertility management, Water management, Climate mitigation or adaptation, agronomic practices, food processing, mechanization, others	
<b>Objective/Component/Sub-component :</b> Component 3	<b>Method of Data collection :</b> Counting of the number of technologies tested in the country
<b>Targets :</b>	<b>Sources of information :</b> Implementing Agencies reports, PCU reports
<b>Unit of measure :</b> Number	<b>Frequency of Data Collection :</b> Bi annual
<b>Baseline value :</b> 0	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of technologies under demonstration</li> <li>• Type of demonstrated technologies</li> </ul>
<b>Cost of data collection</b>	
<b>Responsibility for data collection :</b>	IA focal points/Service Providers/M&E officer

<b>Indicator Code: IRC.05</b>	<b>Type :</b> Intermediate result indicator
<b>Name of Indicator :</b> Percentage of targeted beneficiaries (producers, processors, etc.) satisfied with the agricultural extension services	
<b>Definition/Description of indicator:</b> The indicator measures the percentage of target beneficiaries (disaggregated by type and gender) who expressed their satisfaction with the agricultural extension services	
<b>Objective/Component/Sub-component :</b> Component 3	<b>Method of Data collection :</b> Ratio of number of beneficiaries satisfied (n) with the agricultural extension services to the total number targeted beneficiaries in a representative sample (N): $(n/N \times 100)$
<b>Target :</b>	<b>Sources of information :</b> Survey Reports, PCU reports
<b>Unit of measure :</b> Pourcentage	<b>Frequency of Data Collection :</b> Annual
<b>Baseline value :</b> 0	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Population size of the target group of beneficiaries</li> <li>• Sample size to be surveyed (N)</li> <li>• Number of customers satisfied (n)</li> </ul>
<b>Cost of data collection</b>	
<b>Responsibility for data collection :</b>	WAAP M&E, IA focal points,

<b>Indicator Code: IRC.06</b>	<b>Type :</b> Intermediate result indicator
<b>Name of Indicator :</b> Certified foundation seeds and improved breed stock produced – disaggregated per country and commodity	
<b>Definition/Description of indicator:</b> This indicator relates to the weight, the number, the volume (or relevant unit of measure) of different categories of certified foundation seeds and improved breed stock produced – disaggregated per country and commodity	
<b>Objective/Component/Sub-component :</b> Component 3	<b>Method of Data collection / calculation :</b> To measure the weight, the number, the volume (or relevant unit of measure) of different categories of certified foundation seeds and improved breed stock produced – disaggregated per country and commodity
<b>Targets :</b>	<b>Sources of information :</b> Implementation Agencies reports/PCU report
<b>Unit of measure :</b>	<b>Frequency of Data Collection :</b> Bi-annual
<b>Baseline value :</b> 0	<b>Data required:</b> quantity (weight, number, etc.) of different categories of seeds and improved breed stock - disaggregated by type of seeds (millet seed (tons), maize seed (tons), sorghum seed (tons) fonio seed (tons), rice seeds (tons), other cereal seed (tons), groundnut seed (tons), seeds of palm oil, other oleaginous seeds (tons), cassava seed (tons), yam (tons), seed potatoes (tons), other roots and tubers seeds (tons), improved breeds stock of cattle, sheep, goats, fish, etc.) (dose of semen) etc.
<b>Cost of data collection</b>	
<b>Responsibility for data collection :</b>	Focal Points of Implementing Agencies/WAPP M&E

### Indicators for Component IV

<b>Code : IR4.01</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of Indicator</b> Percentage of procurement activities implemented according to the procurement plan	
<b>Definition/Description of indicator:</b> This indicator will inform the Project management, the steering committee, the government and the World Bank on the number of contracts implemented on time and according to the procedures set out in the procurement plan, in relation to the total number of contracts executed	
<b>Objective/Component/Sub-component :</b> Component 4	<b>Method of Data collection / Calculation :</b> Desk Review of Reports on Procurement; Procurement Audit a = Number of procurement activities implemented in time and according to the procedures set out in the procurement plan b = Total number of procurement activities planned  This indicator will be calculated by the following formula: = $a/b*100$
<b>Target :</b> WAAPP 1A-C :100% WAAPP 2A : 80%	<b>Sources of information :</b> Financial Report, Progress reports, Supervision missions reports and Procurement Review report
<b>Unit of Measure :</b> percentage	<b>Frequency of Data Collection :</b> Semi-annual
<b>Baseline value :</b> 0	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Total number of procurement activities planned</li> <li>• Total number of procurement activities executed</li> <li>• Number of procurement activities executed in time and according to the procedures set out in the procurement plan</li> </ul>
<b>Cost of data collection : None</b>	
<b>Responsibility for data collection :</b>	NPCU, RPCU

<b>Code : IR4.02</b>	<b>Type : Intermediate result indicator</b>
<b>Name of Indicator</b> Rate of disbursement of funds per donor	
<b>Definition/Description of indicator</b> This indicator measures the effective level of disbursement of funds in relation to the planned disbursement levels per donor	
<b>Objective/Component/Sub-component :</b> component 4	<b>Method of Data collection / calculation :</b> Desk review For each funding source : a = Total amount of funds disbursed b = Total amount funding Rate of disbursement = a/b*100
<b>Target :</b> 100%	<b>Sources of information :</b> Activities reports of monitoring mission and reports of reviews of Financial Management
<b>Unit of Measure :</b> Percentage	<b>Frequency of Data Collection :</b> annual
<b>Baseline value :</b> 0	<b>Data required:</b> For each funding source : <ul style="list-style-type: none"> <li>• The amount of funding for the period</li> <li>• Total amount disbursed for the period</li> </ul>
<b>Cost of data collection :</b> None	
<b>Responsibility for data collection :</b>	NPCU ; RPCU

<b>Code : IR4.03</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of Indicator :</b> An M&E system with a functional database (structure, organization data collection framework and organization, database, updating, reporting)	
<b>Definition/Description of indicator:</b> This indicator measures the effectiveness of the M&E system for countries and CORAF/WECARD based on clear criteria	
<b>Objective/Component/Sub-component :</b> component 4	<b>Method of Data collection / calculation :</b> Desk/System Review Five criteria are defined to assess the functionality of the M&E system : <ul style="list-style-type: none"> <li>• M&amp;E team in place (Yes or No),</li> <li>• M&amp;E manual developed (Yes or No),</li> <li>• Computerized system functional (Yes or No),</li> <li>• Data collection system functional (Yes or No),</li> <li>• Reporting system functional (Yes or No),</li> </ul>
<b>Target :</b> Yes	<b>Sources of information :</b> supervision missions, national reports, regional reports
<b>Unit of measure :</b> qualitative	<b>Frequency of Data Collection :</b> annual
<b>Baseline value :</b> No	<b>Data required:</b> See five criteria <ul style="list-style-type: none"> <li>• M&amp;E team in place (Yes or No),</li> <li>• M&amp;E manual developed (Yes or No),</li> <li>• Computerized system functional (Yes or No),</li> <li>• Data collection system functional (Yes or No),</li> <li>• Reporting system functional (Yes or No),</li> </ul>
<b>Cost of data collection : TDB</b>	
<b>Responsibility for data collection :</b>	NPCU, RPCU

<b>Code : IR4.04</b>	<b>Type : Intermediate Result Indicator</b>
<b>Name of Indicator</b> Percentage of sub-projects provided with a Social and Environmental Management Plan	
<b>Definition/Description of indicator:</b> This indicator will inform the stakeholders on the sub-projects with a social and environmental management plan	
<b>Objective/Component/Sub-component :</b> component 4	<b>Method of Data collection / calculation :</b> Desk Review ; In-depth Assessment; a = Number of sub-projects with a social and environmental management plan implemented b = Total number of sub-projects that should have with a social and environmental management plan Formula of calculation : <b>a/b*100</b>
<b>Target:</b> 100%	<b>Sources of information :</b> Supervision missions, Progress reports; EPA Reports (ESIA Assessment Reports)
<b>Unit of Measure :</b> Percentage	<b>Frequency of Data Collection :</b> Annual
<b>Baseline value :</b> 0	<b>Data required:</b> <ul style="list-style-type: none"> <li>• Number of sub-projects with a social and environmental management plan implemented</li> <li>• Total number of sub-projects that should have with a social and environmental management plan</li> </ul>
<b>Cost of data collection :</b> None	
<b>Responsibility for data collection :</b>	NPCU, CORAF/WECARD

## D ANNEX4: Results monitoring forms

### FORMS FOR ODP INDICATORS

COUNTRY :

OPERATIONAL/PROJECT AREA:.....

REPORTING PERIOD:.....

Implementing Partners .....

#### **indicator one (IDO1)**

Direct project beneficiaries of which 40percent female- disaggregated by country

Bénéficiaires directs du projet dont 40% de femmes-désagrégés par pays

catégories/categories	nombre hommes/ number of men	nombre femmes/ number of women	total	commentaires/ comments
agriculteurs/producers				
eleveurs/ breeder				
pecheurs/ fishermen				
transformateurs/ processors				
artisans/ craftsmen				
entrepreneurs/ entrepreneurs				
autres/others				
<b>total</b>				

#### **Indicator Two: (IDO2)**

Beneficiaries who are using technologies generated by other countries

Bénéficiaires utilisant des technologies générés par d'autres pays

technologies generees par d'autres pays/ technologies generated by others countries	nombre hommes/ number of men	nombre femmes/ number of women	total/ total	commentaires/ comments
semences cereales/ cereal seed				
semences oleagineux/ oleagenous seed				
semences racines et tubercules/ roots and tuber seeds				
semences bananes plantains/ banana and plantains seeds				
semences fruits légumes/ fruits and legumes seeds				
alevins/ fingerlings				
semences animales/ animal seeds				
Gestion des maladies et des ravageurs/ Pest and disease management				
Gestion de la fertilité des sols/ Soil fertility managment				
Gestion de l'eau/ Water management				
Mitigation ou adaptation au climat/ Climate mitigation or adaptation				
itineraires techniques/ agronomic practices				
agroalimentaire/ food processing				
mechanisation/ mechanization				
autres/ others				
<b>TOTAL</b>				



### Indicator Three (IDO3)

Technologies generated by the Project with at least 15% productivity increase over the control  
Technologies générées par le projet avec une augmentation le rendement d'au moins 15% par rapport au témoin

type de technologies/ type of technologies	nombre avec une augmentation de 15%/ number with 15% increase	commentaires/ comments
semences cereales/ cereal seed		
semences oleagineux/ oleagenous seed		
semences racines et tubercules/ roots and tuber seeds		
semences bananes plantains/ banana and plantains seeds		
semences fruits légumes/ fruits and legumes seeds		
alevins/ fingerlings		
semences animales/ animal seeds		
Gestion des maladies et des ravageurs/ Pest and disease management		
Gestion de la fertilité des sols/ Soil fertility managment		
Gestion de l'eau/ Water management		
Mitigation ou adaptation au climat/ Climate mitigation or adaptation		
itineraires techniques/ agronomic practices		
agroalimentaire/ food processing		
mechanisation/ mechanization		
autres/ others		
TOTAL		

**Indicator four: (IDO4)**

Producers with knowledge of generated/released technologies by the Project  
 Producteurs avec une connaissance sur les technologies générées/ « libérées » par le projet

Types de technologies / type of technologies	nombre hommes/ number of men	nombre femmes/ number of women	total/ total	commentaires/ comments
semences cereales/ cereal seed				
semences oleagineux/ oleagenous seed				
semences racines et tubercules/ roots and tuber seeds				
semences bananes plantains/ banana and plantains seeds				
semences fruits légumes/ fruits and legumes seeds				
alevins/ fingerlings				
semences animales/ animal seeds				
Gestion des maladies et des ravageurs/ Pest and disease management				
Gestion de la fertilité des sols/ Soil fertility management				
Gestion de l'eau/ Water management				
Mitigation ou adaptation au climat/ Climate mitigation or adaptation				
itineraires techniques/ agronomic practices				
agroalimentaire/ food processing				
mechanisation/ mechanization				
autres/ others				
<b>TOTAL</b>				

**indicator 5 (IDO5)**

Area under improved technologies disseminated under the project  
 Superficie utilisant les nouvelles technologies diffusées à travers le projet

type de technologies/ type of technologies	superficie/ area (ha)	commentaires/ comments
semences cereales/ cereal seed		
semences oleagineux/ oleagenous seed		
semences racines et tubercules/ roots and tuber seeds		
semences bananes plantains/ banana and plantains seeds		
semences fruits légumes/ fruits and legumes seeds		
alevins/ fingerlings		
semences animales/ animal seeds		
Gestion des maladies et des ravageurs/ Pest and disease management		
Gestion de la fertilité des sols/ Soil fertility management		
Gestion de l'eau/ Water management		
Mitigation ou adaptation au climat/ Climate mitigation or adaptation		
itineraires techniques/ agronomic practices		
agroalimentaire/ food processing		
mechanisation/ mechanization		

autres/ others		
<b>TOTAL</b>		

**indicator 6 (IDO6)**

Processors/ producers who have adopted at least one new technology

Transformateurs/producteurs ayant adopté au moins une nouvelle technologie

type de technologies/ type of technologies	nombre ayant adopté au moins une technologie / number who have adopted at least one technology			commentaires/ comments
	hommes/ men	femmes/ women	total	
semences cereales/ cereal seed				
semences oleagineux/ oleagenous seed				
semences racines et tubercules/ roots and tuber seeds				
semences bananes plantains/ banana and plantains seeds				
semences fruits légumes/ fruits and legumes seeds				
alevins/ fingerlings				
semences animales/ animal seeds				
Gestion des maladies et des ravageurs/ Pest and disease management				
Gestion de la fertilité des sols/ Soil fertility managment				
Gestion de l'eau/ Water management				
Mitigation ou adaptation au climat/ Climate mitigation or adaptation				
itineraires techniques/ agronomic practices				
agroalimentaire/ food processing				
mechanisation/ mechanization				
autres/ others				
<b>TOTAL</b>				



Total					

**Indicator 9 (IRA03)**

Technologies with Intellectual Property Right  
Technologies avec des Droits de Propriété Intellectuelle

type de technologies/ type of technologies	nombre avec DPI/ number with IPR	commentaires/ comments
semences cereales/ cereal seed		
semences oleagineux/ oleagenous seed		
semences racines et tubercules/ roots and tuber seeds		
semences bananes plantains/ banana and plantains seeds		
semences fruits légumes/ fruits and legumes seeds		
alevins/ fingerlings		
semences animales/ animal seeds		
Gestion des maladies et des ravageurs/ Pest and disease management		
Gestion de la fertilité des sols/ Soil fertility management		
Gestion de l'eau/ Water management		
Mitigation ou adaptation au climat/ Climate mitigation or adaptation		
itineraires techniques/ agronomic practices		
agroalimentaire/ food processing		
mechanisation/ mechanization		
autres/ others		
<b>TOTAL</b>		

**Indicator 10 (IRA04)**

Varieties generated by NCOS/RCOE registered in Regional catalogue  
Variétés générées par les CNS/CRE inscrites au catalogue régional

N°	Denomination/ Denomination	Type de variété/ Type of variety	Date d'enregistrement/ Date of registration	rendement potentiel/ potential yield	pays/ country
Total (number)					

**Indicator 11 (IRA05)**

Hits for the regional/national Web-based information system on agricultural technologies and research skills

Demandes (visites) pour le système national/régional d'information basé sur le web sur les technologies et les expertises

<b>Système d'information sur les technologies et expertises/ Information système on technologies and research skills</b>	
nombre de demandes pour le système d'information régional/ number of hits for the regional web based information system	
nombre de demandes pour le système d'information national/ number of hits for the national web based information system	

**Indicator 12 (IRA06)**

National action plans developed on gender, communication and climate change

Plans d'action sur le genre, la communication, le changement climatique développé

<b>Plans d'actions/ Action plans</b>	<b>nombre de plans d'action développés/ number of actions plan developed</b>
Plan d'actions Genre/ Gender Action Plan	
Plan d'actions Communication/ Communication action plan	
Plan d'actions Changement Climatique/ Climate Change action plan	
Plan d'actions de Gestion Environnemental et Social/ Environmental et Social Action plan	
<b>Total (Number)</b>	

## FORMS FOR COMPONENT B INDICATORS

## Indicator 13 (IRB01)

Qualifying criteria met by the NCOS to become RCOE - disaggregated by country  
Critères d'éligibilité satisfaits par le CNS pour devenir CRE – désagrégé par pays

Criteria CRE/ RCOE Criteria	satisfaits (oui ou non)/ satisfied (yes or non)
Quality of research teams	
ISO Label Certification Relevance of the programs implemented by the RCoE vis-à-vis regional priorities and needs	
Regional research program planning and networking;	
Efficiency of information and communication strategy of Agricultural research results	
Contribution to significant capacity building of NARS through partnership with CGIAR & ARIs in West Africa	
Quantity and quality of "ready-to-go" agricultural innovations efficiently generated & delivered	
Pourcentage criteres satisfaits/ percentage of criteria satisfied	

## Indicator 14 (IRB02)

CNS/RCOE with ISO certificate  
NCOS/CRE avec certification ISO

N°	Nom du centre/ name of the centre	Reference du certificat/ Certificate reference	Date certification/ Date of certification	Periode de validite/ Period validity
Total				

## Indicator 15 (IRB03)

Technologies generated by CNS and demonstrated in at least three ECOWAS countries outside the country of origin  
Technologies générées par le CNS et ayant fait l'objet de démonstration dans au moins 3 pays de la CEDEAO autres que le pays d'origine

type de technologies/ type of technologies	nombre en cours de demonstration dans 2 pays/ number demonstrated in 2 countries	commentaires/ comments
semences cereales/ cereal seed		
semences oleagineux/ oleagenous seed		
semences racines et tubercules/ roots and tuber seeds		
semences bananes plantains/ banana and plantains seeds		
semences fruits légumes/ fruits and legumes seeds		
alevins/ fingerlings		
semences animales/ animal seeds		
Gestion des maladies et des ravageurs/ Pest and disease management		

Gestion de la fertilité des sols/ Soil fertility managment		
Gestion de l'eau/ Water management		
Mitigation ou adaptation au climat/ Climate mitigation or adaptation		
itineraires techniques/ agronomic practices		
agroalimentaire/ food processing		
mechanisation/ mechanization		
autres/ others		
<b>TOTAL</b>		

**Indicator 16 (IRB04)**

Study sponsorship- desegregated by country and MSc and PHD  
 parrainage d'études – désagrégé par pays, par MSc et PHD

parrainage d'études/ Study sponsorship	nombre hommes/ number of men	nombre femmes/ number of women	total
Master			
PHD			
<b>Total</b>			

**indicator 17 (IRB05)**

Exchange visits/ study tours

*Nombre de visites d'échange/ voyages d'étude*

categories/ categories	nombre de visites d'échanges/ number of exchange visits		
	hommes	femmes	total
Chercheurs/researchers			
Producteurs/producers			
Eleveurs/breeder			
Pecheurs/fishermen			
Transformateurs/processors			
cadres ministeres/ministries agents			
Autres/others			
<b>Total</b>			



## FORMS FOR COMPONENT C INDICATORS

**indicator 18 (IRC01)**

Multi-country research proposals financed by the regional Competitive Agricultural Research Grant System (CARGS) managed by CORAF

Nombre de propositions de recherche inter pays financées par le Fonds Compétitif régional de Subvention pour la Recherche Agricole (CARGS) administré par le CORAF

Projets regionaux/ regional projects	nombre	observations
nombre de projets regionaux de recherche financés par le FCR/ number of Multi-country projects financed by the regional CARGS		

**indicator 19 (IRC02)**

National Research projects financed

projets nationaux de recherche financées

Projets nationaux/ national projects	nombre
nombre de projets nationaux de recherche soumis/ number of National Research projects submitted	
nombre de projets nationaux de recherche financées/ number of National Research projects financed	

**Indicator 20 (IRC03)**

Demonstration plots established

Parcelles de démonstration établies

technologies generees / technologies generated	nombres de parcelles ou d'unités de demonstration/ number of demonstration plots or units
semences cereales/ cereal seed	
semences oleagineux/ oleagenous seed	
semences racines et tubercules/ roots and tuber seeds	
semences bananes plantains/ banana and plantains seeds	
semences fruits légumes/ fruits and legumes seeds	
alevins/ fingerlings	
semences animales/ animal seeds	
Gestion des maladies et des ravageurs/ Pest and disease management	
Gestion de la fertilité des sols/ Soil fertility management	
Gestion de l'eau/ Water management	
Mitigation ou adaptation au climat/ Climate mitigation or adaptation	
itineraires techniques/ agronomic practices	
agroalimentaire/ food processing	
mechanisation/ mechanization	
autres/ others	
TOTAL	

**Indicator 21 (IRC04)**

Number of technologies demonstrated

Nombre de technologies ayant fait l'objet de démonstrations

technologies generees / technologies generated	nombres ayant fait l'objets de demonstration/ number demonstrated
semences cereales/ cereal seed	
semences oleagineux/ oleagenous seed	
semences racines et tubercules/ roots and tuber seeds	
semences bananes plantains/ banana and plantains seeds	
semences fruits légumes/ fruits and legumes seeds	
alevins/ fingerlings	
semences animales/ animal seeds	
Gestion des maladies et des ravageurs/ Pest and disease management	
Gestion de la fertilité des sols/ Soil fertility managment	
Gestion de l'eau/ Water management	
Mitigation ou adaptation au climat/ Climate mitigation or adaptation	
itineraires techniques/ agronomic practices	
agroalimentaire/ food processing	
mechanisation/ mechanization	
autres/ others	
<b>TOTAL</b>	

**Indicator 22 (IRC05)**

Percentage of targeted clients (male and female farmers or businesses) satisfied with extension services

Pourcentage de clients ciblés (producteurs, transformateurs etc. homme et femme) satisfaits avec les services de conseil agricole/vulgarisation

catégories/categories	nombre hommes cibles/ number of men targeted	nombre femmes cibles/ number of women targeted	nombre hommes satisfaits/ number of men satisfied	nombre femmes satisfaites/ number of women satisfied	pourcentage hommes satisfaits/ percentage of men satisfied	pourcentage femmes satisfaites/ percentage of women satisfied
agriculteurs/producers						
eleveurs/ breeder						
pecheurs/ fishermen						
transformateurs/ processors						
artisans/ craftsmen						
entrepreneurs/ entrepreneurs						
autres/others						
	total	total	total	total	moyenne	moyenne

**Indicator 23 (IRC06)**

Certified foundation seeds and improved breed stock produced – disaggregated per country and commodity

Semences de base certifiées et cheptel/races améliorées produits – désagrégé par pays

type de semences/ type of seeds	quantité produites/ quantity produced	commentaires/ comments
semences mil/ millet seeds (ton)		
semences maïs/ maize sees (ton)		
semences sorgho/ sorghum seeds (ton)		
semences fonio/ fonio seeds (ton)		
semences riz/ rice seeds (ton)		
semences autres cereales/ other cereals seeds (ton)		
semences arachides/ groundnuts seeds (ton)		
semences palmiers à huile		
semences autres oleagineux/ other oleagenous seeds (ton)		
semences manioc/ cassava seeds (ton)		
semences igname/ yam seeds (ton)		
semences patate douces/ potato seeds (ton)		
autres semences racines et tubercules/ others roots and tuber seeds (ton)		
semences bananes/ banana seeds (number)		
semences plantains/ plantain seeds (umber)		
semences mangues/ mango seeds (number)		
semences agrumes/ citrus fruits seeds (number)		
semences autres fruits/ others fruits seeds (number)		
semences tomates/ tomato seeds (ton)		
semences oignons/ onion seeds (ton)		
semences gombo/ okra seeds (ton)		
semences niébe/ cow pea seeds (ton)		
semences autres legumes/ other legumes seeds (ton)		
alevins/ fingerlings (number)		
race améliorée bovine/ improved cattle breed (number)		
race améliorée ovine/ improved sheep breed (number)		
race améliorée caprine/ improved goat breed (number)		
race améliorée poisson/ improved breed fish (number)		
autres races améliorées animales/ other animal breed (number)		
<b>TOTAL</b>		

**FORMS FOR COMPONENT D INDICATORS**

**Indicator 24 (IRD01)**

Procurement and FM activities executed in conformity with the procurement plan, the implementation manual, and IDA procedures

Pourcentage d'activités de passation de marchés et de gestion financière exécutées en conformité avec le Plan de Passation des Marchés, le Manuel d'Exécution et les procédures de l'IDA

nombre Activités de passation de marchés prévu / number of Procurement activities planned	nombre réalisé en conformité avec le plan de PDM/ number executed in conformity with the procurement plan (%)	% en conformité avec le Plan PDM/ % executed in conformity with the procurement plan

nombre d'activités Activités de gestion financière prévu / number of Financial management activities planned	nombre réalisé en conformité avec le manuel de procédures/ number executed in conformity with the implementation manual, and IDA procedures	% en conformité avec le le manuel de procédures/ % executed in conformity with the the implementation manual, and IDA procedures

**Indicator 25 (IRD02)**

Disbursement rate of IDA funds

Taux de décaissement des fonds IDA

Fonds/ Funds	depenses planifiees/ planned expenses	depenses executees/ executed expenses	taux de decaissement/ disbursement rate
Fonds IDA/ IDA funds (USD)			
total fonds/ total funds (USD)			

**Indicator 22 (IRD03)**

A national M+E system with database functional (structure, data collection & organization, up-to-date, reporting)

Un système de S&E avec une base de données fonctionnelle (structure, collecte de données et organisation, mise à jour, rapportage)

Un système de Suivi Evaluation harmonisé et opérationnel (yes/Non) A harmonized M&E system is established and operational (Yes/Non)	
Equipe de S&E en place/ M&E team in place (yes or No)	
manuel de S&E elaboree/ M&E manuel developed (yes or No)	
système informatisée fonctionnel/ computerized system functional (yes or No)	
système de collecte de donnees fonctionnelle/ data collection system functional (yes or No)	
système de rapportage fonctionnelle/ reporting system functional (yes or No)	

**Indicator 27 (IRD04)**

Percentage of subproject granted with environmental management plan that have been implemented effectively  
 Pourcentage de sous projets avec un plan de gestion environnemental effectivement mise en œuvre

<b>gestion environnemental effectivemen/ environmental and social management</b>	
nombre de sous-projets financés / number of Sub-project granted financed	
nombre de sous-projets financés avec un plan de gestion environnemental effectivement exécuté / number of Sub-project granted with environmental management plan that have implemented the plan effectively.	
pourcentage de sous-projets financés avec un plan de gestion environnemental effectivement exécuté / perentage of Sub-project granted with environmental management plan that have implemented the plan effectively.	

**E. Annex 5 Format report**

Chapter	Content
Executive summary (1-2 pages)	<ul style="list-style-type: none"> <li>▪ Political, institutional, climatic changes that affected progress of the project.</li> <li>▪ Synthesis of major results achieved (per component)</li> <li>▪ Budgetary implementation/major deviations</li> <li>▪ Major challenges encountered</li> <li>▪ Major recommendations (to whom, by who?)</li> </ul>
Acronyms Table of content	
1 Introduction	<ul style="list-style-type: none"> <li>▪ Context, rationale of the project</li> <li>▪ Objectives of the project</li> <li>▪ Reminder of the objectives/expected results for the reporting period</li> <li>▪ Appreciation of the progress towards the objectives/expected results for the reporting period</li> <li>▪ How did the period end in terms of the achieving the initial forecasts?</li> </ul>
2 Planned activities	<ul style="list-style-type: none"> <li>▪ What activities were planned what is their level of achievement.</li> <li>▪ Discuss the reasons for delays or non-execution for activities</li> </ul>
3 Achievements/Results	<ul style="list-style-type: none"> <li>▪ Analysis of the evolution of indicators towards the achievement of the Project Objective Development</li> <li>▪ Results achieved for the period</li> <li>▪ <i>Component 1</i> For each sub component describe and analyse results achieved Mains challenges and recommendation for the component</li> <li>▪ <i>Component 2</i> For each sub component describe and analyse results achieved Mains challenges and recommendation for the component</li> <li>▪ <i>Component 3</i> For each sub component describe and analyse results achieved Mains challenges and recommendation for the component</li> <li>▪ <i>Component 4</i> For each sub component describe and analyse results achieved Mains challenges and recommendation for the component</li> </ul>
4 Lessons learnt	<ul style="list-style-type: none"> <li>▪ Present some lessons learnt</li> </ul>
5 Success stories	<ul style="list-style-type: none"> <li>▪ Present some success stories</li> </ul>
6 Annexes	<ul style="list-style-type: none"> <li>▪ Result framework (required)</li> <li>▪ Tables of financial execution (required)</li> <li>▪ Table of Monitoring planned activities</li> <li>▪ Table/action plan of recommendations</li> <li>▪ Photos</li> <li>▪ Etc.</li> </ul>

F. Annex 6: AWPB Format

COUNTRY/INSTITUTION																			
[YEAR] AWPB																			
1	Components, Sub components, Activities, Sub activities	Indicators/milestones	Source of funds	Budget (X 1000 FCFA)	Responsibles	Technical support	Quater 1			Quater 2			Quater 3			Quater 4			Comments
							J	F	M	A	M	J	Ju	A	S	O	N	D	
1	Enabling Conditions for Regional Cooperation in the Generation, Dissemination and Adoption of Agricultural Technologies																		
11	Sub component 11																		
112																			
113																			
115																			
12	Sub component 12																		
121																			
122																			
123																			
124																			
127																			
128																			
129																			
1210																			
13	Sub component 13																		
131																			
132																			
133																			
134																			
135																			
136																			
137																			









G. Annex 7 : AWPB Monitoring

1	Components, Sub components, Activities, Sub activities	Indicators/ milestones	Physical Achievement for the period			Financial Achievement for the period			Comments
			Planned	Achieved	% Achieved	Budgeted	Spent	% Spent	
1	<b>Enabling Conditions for Regional Cooperation in the Generation, Dissemination and Adoption of Agricultural Technologies</b>								
11	Sub component 11								
112									
113									
12	Sub component 12								
121									
122									
123									
13	Sub component 13								
131									
132									
2	<b>National Centers of Specialization</b>								
21	Sub component 21								
211									
212									
22	Sub component 22								
221									
222									
23	Sub component 23								
231									
232									
3	<b>Support to Demand-driven Technology Generation, Dissemination and Adoption</b>								
31	Sub component 31								
311									

312									
32	Sub component 32								
323									
324									
33	Sub component 33								
331									
332									
4	Project Coordination, Management and Monitoring and Evaluation								
41									
411									
412									
42									
421									
422									
43									
431									
432									
	TOTAL								

Annex 8 : AWPB Monitoring accumulated

1	Components, Sub components, Activities, Sub activities	Indicators/ milestones	Physical Achievement up to date			Financial Achievement up to date			Commentaires
			Planned	Achieved	% Achieved	Budgeted	Spent	% Spent	
1	Enabling Conditions for Regional Cooperation in the Generation, Dissemination and Adoption of Agricultural Technologies								
11	Sub component 11								
112									
113									
12	Sub component 12								
121									
122									
123									
13	Sub component 13								
131									
132									
2	National Centers of Specialization								
21	Sub component 21								
211									
212									
22	Sub component 22								
221									
222									
23	Sub component 23								
231									
232									
233									
234									

<b>3</b>	<b>Support to Demand-driven Technology Generation, Dissemination and Adoption</b>								
31	Sub component 31								
311									
312									
32	Sub component 32								
323									
324									
33	Sub component 33								
331									
332									
<b>4</b>	<b>Project Coordination, Management and Monitoring and Evaluation</b>								
41									
411									
412									
42									
421									
422									
43									
431									
432									
	<b>TOTAL</b>								