

2012 Technical Report per Activity

Each Program Participant must provide a small remark against each activity/deliverable to indicate the status of the activity (2-4 sentences required per activity) using the form below. Updated data from the current partners is also required.

CCAFS Region Led Activities West Africa (WA)

Activity No. 284																														
Activity title		Farms of the future approach: Understanding social and cultural barriers to climate change adaption through farmer exchanges																												
CCAFS Objective (select from drop list)		1.1 Adapted farming systems	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)		1.1.2 2012																									
Activity objectives (what the activity aims to achieve)	Objective 1	To devise, test and validate the "Farms of the Future" approach built on farmer-to-farmer exchanges to analogue sites as a valuable option to improve adaptive capacity and support knowledge transfer.																												
	Objective 2	To improve understanding of local practices and available tools for enabling change, as well as cultural, economic, or institutional obstacles to such adaptive change																												
Activity status		Completed																												
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity)		A climate analogue site of the CCAFS site of Ghana was identified in southern Burkina Faso and an exchange visit organized between farmers of the two communities. This was organized in two steps: a) preparatory planning week done in Lawra-Jirapa (21-28 April 2012) which yielded the following outputs: testing of the analogue tool, testing the participatory modelling tool for exploring past history, current situations and potential scenarios, documentation by farmers using participatory videos, exchange visit planned; and b) exchange visit (36 participants: farmers, AIS, CSIR/SARI, LACERD) in southern Burkina Faso where farmers were exposed to multiple learning opportunities used by their counterpart farmers in southern Burkina Faso to reduce risks and vulnerability and better adapt to climate change																												
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	Acronym		Name	
			Communication consultant for video's production	
	Contact Point Full Name		Contact Point Email	
	Matthew Zaabelle		zaabs2001@yahoo.com	
	PRI - Private Research Institution			

2012 Technical Report per Activity

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CCAFS Region Led Activities West Africa (WA)

Activity No. 285																														
Activity title		Consolidating seasonal forecast communication workshop and evaluation in Kaffrine, Senegal																												
CCAFS Objective (select from drop list)		2.3 Support risk management through enhanced prediction of climate impacts on agriculture, and enhanced climate information and services	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)		2.3.2 2012																									
Activity objectives (what the activity aims to achieve)	Objective 1	Test the design and communication of downscaled, probabilistic seasonal forecasts; and evaluate their impact on farmers' management and livelihood outcomes																												
	Objective 2	Train agricultural extensionists (public and private), national meteorological officers, farmers and other stakeholders to understand and apply probabilistic seasonal forecast information																												
	Objective 3	Evaluate the impact of the seasonal forecast products and communication process on farmers' management decisions																												
Activity status		Completed																												
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity)		The aim was to communicate seasonal forecast to farmers in Kaffrine and to evaluate their farm management decisions. 84 representative of farmers group coming from 8 different organizations from 24 various locations around kaffrine and the administration represented by the prefet and the mayor were trained on the seasonal forecast. Following the training, field tests were conducted at farm level to evaluate the usefulness of and added value of the seasonal forecast information for farm management decision. After the harvest, an evaluation workshop was organized with 84 farmers and representative of extension services and decentralized public services to review and feedback on the process in order to identify strengthens and gaps that need to be address.																												
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Activity No. 286																																													
Activity title		Tailoring Climate information to the needs of West African Farmers																																											
CCAFS Objective <small>(select from drop list)</small>		2.3 Support risk management through enhanced prediction of climate impacts on agriculture, and enhanced climate information and services	CCAFS Milestone No. <small>(select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)</small>	2.3.1 2012																																									
Activity objectives <small>(what the activity aims to achieve)</small>	Objective 1	Strengthen the capacity of West African national and regional climate information providers in forecasting the onset and cessation dates of the rainy season																																											
	Objective 2	Strengthen the capacity of the farmers of CCAFS pilot sites in understanding seasonal forecast information and make management decisions based on it																																											
	Objective 3	Evaluate the use of the seasonal forecast results with the farmers on the CCAFS sites																																											
Activity status		Completed																																											
Insert a small remark to indicate the status of the activity. <small>(2-4 sentences required per activity)</small>		43 agrometeorologists and hydrologists (from ECOWAS 16 countries) were trained on rainfall data quality control to generating seasonal forecasts of the rainy season characteristics that are more useful to farmers. Further to the training of national agrometeorologists and hydrologist, 140 participants (farmers, extension services, decentralized directorates (agriculture, livestock, environment)) including 33 women at two CCAFS sites (Tougou-Burkina Faso and Cinzana-Mali) wee trained on the understanding and use of seasonal forecast information for farm decisions making.																																											
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CCAFS Region Led Activities West Africa (WA)

Activity No. 287					
Activity title	Developing community-based climate smart agriculture through participatory approach in CCAFS benchmark sites				
CCAFS Objective (select from drop list)	3.3 Test and identify desirable on-farm practices and their landscape-level implications	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)	3.3.1 2012 (1)		
Activity objectives (what the activity aims to achieve)	Objective 1	To test and validate, in partnership with rural communities and other stakeholders, sustainable agricultural intensification technologies that integrates a range of innovative adaptation and mitigation strategies			
	Objective 2	To enable farmers, developers and managers of agricultural carbon, and policy makers to develop cost-effective options for agricultural mitigation that support local sustainable development, especially related to food security and climate change adaptation			
Activity status	Partially completed				
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity)	There is a growing need for agricultural development options that can sequester large amounts of carbon dioxide from the atmosphere or otherwise minimize greenhouse gas emissions to mitigate climate change, while also contributing to smallholder farmers' food security and adaptation to climate change. The purpose of this work on sustainable agricultural intensification is to enable farmers, developers and managers of agricultural carbon, and policy makers to develop cost-effective options for agricultural mitigation that also concur to strengthening the adaptive capacity of actors while supporting local sustainable development, especially related to food security and climate change adaptation. Through working together with communities and local authorities and rural development organisations, this activity develops progressively up-scalable options of climate smart agriculture through improved understanding of mitigation and adaptation opportunities in agriculture among smallholders in West Africa. ICRAF Sahel node has been leading and facilitating the implementation of this activity, which is included in the participatory action research work to enable iterative learning and improvement of interventions across the five CCAFS pilot sites in West Africa.				
Deliverables status (You may add any unexpected deliverable)	Type	Description	Year	Status	Format
	Reports, publications	Activity report	2012	Partially completed	Document (*.doc, *.odt, *.pdf)
	Reports, publications	peer-reviewed publication	2012	Uncompleted	Document (*.doc, *.odt, *.pdf)
Current Partners	Acronym	Name			
	CG - CGIAR Center	ICRAF	World Agroforestry Centre		
		Contact Point Full Name	Contact Point Email		
		Jules Bayala	J.bayala@cgiar.org		
	Acronym	Name			
	extension services	INERA	Institut de l'Environnement et de Recherches Agricoles		
		Contact Point Full Name	Contact Point Email		
		B. André Bationo	babou_bationo@yahoo.fr		
	Acronym	Name			
	NARES - National agricultural research and extension services	IER	Institut d'Economie Rurale		
		Contact Point Full Name	Contact Point Email		
		Kalifa B. Traoré	ibosimon_1@yahoo.fr		
Acronym	Name				
NARES - National agricultural research and extension services	CSIR/SARI	Savannah Agricultural Research Institute (CSIR/SARI)			
	Contact Point Full Name	Contact Point Email			
	Jesse B. Naab	jeesenaab@gmail.com			
Acronym	Name				
NARES - National agricultural research and extension services	ISRA	Institut Sénégalais de Recherches Agricoles			
	Contact Point Full Name	Contact Point Email			
	Yacine Badiane Ndour	yacine.ndour@ird.fr			

	Acronym		Name	
	INRRN		Institut National de Recherches Agronomiques du Niger	
	extension services		Contact Point Full Name	Contact Point Email
			Abasse Tougiani	atougiani@yahoo.fr
	Acronym		Name	
	IUCN		International Union of the Conservation of the Nature (IUCN-PACO)	
	organization/Development organization		Contact Point Full Name	Contact Point Email
			Jacques Somda	jacques.somda@iucn.org
	Acronym		Name	
	LACERD		Langmaal Centre for Rural Development Initiatives (LACERD-Ghana)	
	organization/Development organization		Contact Point Full Name	Contact Point Email
			Linus Kabo-Bah	bsoya2000@yahoo.com

Activity No. 288																									
Activity title		Development of green house gas quantification methods at farming systems levels																							
CCAFS Objective <i>(select from drop list)</i>		3.3 Test and identify desirable on-farm practices and their landscape-level implications	CCAFS Milestone No. <i>(select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)</i>	3.3.2 2012																					
Activity objectives <i>(what the activity aims to achieve)</i>	Objective 1	Through workshops among GHG measurement experts, advance knowledge, exchange information and share experiences on measurement, verification and reporting (MRV) on GHG emissions in West Africa.																							
	Objective 2	Review the state-of-the-art on GHG quantification methodologies in WA																							
	Objective 3	Identify constraints, opportunities and experts needs in MRV of GHG emission																							
	Objective 4	Strengthen the capacity and develop a network of experts/practitioners on GHG quantification in WA																							
	Objective 5	Explore options for protocols and guidelines, identify gaps and defines issues where further work is required.																							
Activity status		Completed																							
Insert a small remark to indicate the status of the activity. <i>(2-4 sentences required per activity)</i>		CCAFS WA awarded grants to 6 scientists in WA to conduct projects aiming to develop/harmonize methods and protocols for the quantification of GHG emissions under different farming systems in West Africa. 6 country projects have been implemented across various cropping systems by soil scientists from Senegal, Mali, Ghana, Burkina Faso and Benin. It is expected that they publish peer-reviewed papers on their research work. A regional workshop among GHG experts was organised in november 2012 to a) Review the state-of-the-art on GHG quantification methodologies, and b) Identify constraints, opportunities and experts needs in MRV of GHG emission. Major outputs from this workshop include: a) On-going CCAFS granted projects on GHG measurement in different farming systems reviewed and discussed.																							
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	ICRAF		World Agroforestry Centre																						
	CG - CGIAR Center		Contact Point Full Name	Contact Point Email																					
			Jules Bayala	j.bayala@cgiar.org																					
	Acronym		Name																						
	ICRISAT		International Crops Research Institute for the Semi-Arid Tropics																						
	CG - CGIAR Center		Contact Point Full Name	Contact Point Email																					
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	Acronym		Name																						
	UCAD		Université Cheik Anta Diop																						
	AI - Academic Institution		Contact Point Full Name	Contact Point Email																					
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	Acronym		Name																						
			Univiserité de Parakou																						
	AI - Academic Institution		Contact Point Full Name	Contact Point Email																					
			Irenikatche Akponikpe	akponikpe@yahoo.com																					

Current Partners

Acronym	Name	
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Acronym	Name	
CSIR/SARI	Institute	
NARES - National agricultural research and extension services	Contact Point Full Name	Contact Point Email
	Jeese B. Naab	jessenaab@gmail.com
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IER	Institut d'Economie Rural	
NARES - National agricultural research and extension services	Contact Point Full Name	Contact Point Email
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INERA	Institut de l'Environnement et de Recherches Agricoles	
NARES - National agricultural research and extension services	Contact Point Full Name	Contact Point Email
	Zacharia Gnankambary	gnank_zach@hotmail.com
Acronym	Name	
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics	
CG - CGIAR Center	Contact Point Full Name	Contact Point Email
	André Butler	a.butler@cgiar.org

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CCAFS Region Led Activities West Africa (WA)

Activity No. 289				
Activity title	Involving national stakeholders in the regional platform for exchange between researchers and policy-makers on agriculture adaptation to climate change in West Africa			
CCAFS Objective (select from drop list)	4.1 Explore and jointly apply approaches and methods that enhance knowledge to action linkages with a wide range of partners at local, regional and global levels	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)	4.1.4 2012 (2)	
Activity objectives (what the activity aims to achieve)	Objective 1	Establish and/or strengthen a pool of key stakeholders (think-tank) to mobilize national stakeholders through networking and sharing to identify priorities actions areas and policies on adaptation		
Activity status	Completed			
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity)	Two regional workshops were organized to establish five (5) operational national platforms in each of the five CCAFS pilot countries and link-up them with CORAF regional platform of exchange between researchers and policy makers for climate change adaptation in Africa. Following their formal set-up, the national platforms were officially launched in each country through a one-day event meeting with communication outreach. During a second workshop which brought together the members of the national platform, a road map has been developed for the 2013 activities of each national platform.			
Deliverables status (You may add any unexpected deliverable)	Type	Description	Year	Status
	Workshops	regional and national workshops	2012	Completed
	Reports, publications	workshops reports	2012	Completed
	Other	5 National think tank teams established for science-policy dialogue and climate	2012	Completed
	Communication products	One blogpost for the first regional workshop and one blogpost on the platform launch in Senegal	2012	Completed
	Communication products	TV document on the platform in mali, Senegal and Ghana	2012	Partially completed
				Format
				Document (*.doc, *.odt, *.pdf)
				Document (*.doc, *.odt, *.pdf)
				Select a format
				Blogpost
				Video (*.avi, *.mpeg, etc)
Current Partners	Acronym	Name		
	AEDD	Agence pour l'Environnement et un développement durable		
	GO - Government office/department	Contact Point Full Name	Contact Point Email	
		Allassane Ba	padelia.mali@gmail.com	
	Acronym	Name		
	CORAF/WECARD	West and Central African Council for Agricultural Research and Development		
	RO - Regional Organization	Contact Point Full Name	Contact Point Email	
		Abdulai Jalloh	abdulai.jalloh@coraf.org	
	Acronym	Name		
	CNEDD	Conseil National de l'Environnement pour un Développement Durable (Niger)		
	GO - Government office/department	Contact Point Full Name	Contact Point Email	
		Bako Safi Solange	safimod07@yahoo.fr	
	Acronym	Name		
	CONEDD	Conseil National de l'Environnement pour un Développement Durable		
	GO - Government office/department	Contact Point Full Name	Contact Point Email	
		Louis Blanc Traoré	lbtraore@yahoo.fr	

	Acronym CSIR/ARI		Name Council for Scientific and Industrial Research/Animal Research Institute	
	GO - Government office/department		Contact Point Full Name Karbo Naaminong	Contact Point Email minongkordam@yahoo.com
	Acronym DA/MAER		Name L'EQUIPEMENT RURAL (DA/MAER)	
	GO - Government office/department		Contact Point Full Name Bounama Dieye	Contact Point Email bounama1968@gmail.com
	Acronym CSE		Name Centre de Suivi Ecologique	
	GO - Government office/department		Contact Point Full Name Amadou Mactar Dieye	Contact Point Email dieye@cse.sn

Activity No. 290																									
Activity title		Developing community-based climate smart agriculture through participatory action research in benchmark sites in West Africa																							
CCAFS Objective <i>(select from drop list)</i>		4.1 Explore and jointly apply approaches and methods that enhance knowledge to action linkages with a wide range of partners at local, regional and global levels		CCAFS Milestone No. <i>(select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)</i>	4.1.2 2012																				
Activity objectives <i>(what the activity aims to achieve)</i>	Objective 1	This activity is about developing climate smart agriculture through Participatory Action Research (PAR) on sites. The main objective of the PAR work is to test and validate, in partnership with rural communities and other stakeholders, a scalable climate-smart model for agricultural development that integrates a range of innovative agricultural risk management strategies. This will include an active involvement and integration of components such as the M&E planning of priorities (IUCN), the seasonal climate forecast communication for climate risk management in countries (Aghrymet, ANACIM Senegal), the private (NGOs) and public (Extensionists) that have a good experience of ground work with farmers' communities, etc.																							
Activity status		Partially completed																							
Insert a small remark to indicate the status of the activity. <i>(2-4 sentences required per activity)</i>		This is a joint initiative of CCAFS-West Africa program and ICRAF-WCA for the development of climate smart villages models that may be up-scalable across countries and regions. A regional planning workshop was held in Feb. 2012 with the participation of multi-disciplinary teams of scientists from NARS (Institut de l'Environnement et de Recherches Agricoles (INERA),- Savanna Research Institute-Council for Scientific and Industrial Research (SARI-CSIR), Institut d'Economie Rurale (IER), ANAMS Senegal, from regional organisations and programmes (IUCN-WCA, AGRHYMET, AFSIS-CIAT, ICRISAT, ICRAF and from development agents (TreeAid-West Africa, AMEDD-Mali and LACERD-Ghana). A country workplan was developed for each of the three participating countries that are Burkina Faso, Ghana and Mali. National workshops involving local key stakeholders were later held in each country to refine and validate the workplans developed during the regional workshop.																							
Deliverables status <i>(You may add any unexpected deliverable)</i>		<table border="1"> <thead> <tr> <th>Type</th> <th>Description</th> <th>Year</th> <th>Status</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>Reports, publications</td> <td>National planning workshop Report</td> <td>2012</td> <td>Completed</td> <td>Document (*.doc, *.odt, *.pdf)</td> </tr> <tr> <td>Reports, publications</td> <td>Report on the participatory M&E diagnosis of constraints and</td> <td>2012</td> <td>Partially completed</td> <td>Document (*.doc, *.odt, *.pdf)</td> </tr> <tr> <td>Capacity</td> <td>MSc and PhD graduates trained</td> <td>2012</td> <td>Partially completed</td> <td>Other</td> </tr> </tbody> </table>				Type	Description	Year	Status	Format	Reports, publications	National planning workshop Report	2012	Completed	Document (*.doc, *.odt, *.pdf)	Reports, publications	Report on the participatory M&E diagnosis of constraints and	2012	Partially completed	Document (*.doc, *.odt, *.pdf)	Capacity	MSc and PhD graduates trained	2012	Partially completed	Other
Type	Description	Year	Status	Format																					
Reports, publications	National planning workshop Report	2012	Completed	Document (*.doc, *.odt, *.pdf)																					
Reports, publications	Report on the participatory M&E diagnosis of constraints and	2012	Partially completed	Document (*.doc, *.odt, *.pdf)																					
Capacity	MSc and PhD graduates trained	2012	Partially completed	Other																					
Current Partners		Acronym ICRAF		Name World Agroforestry Centre																					
		CG - CGIAR Center		Contact Point Full Name Jules Bayala	Contact Point Email j.bayala@cgiar.org																				
		Acronym IUCN		Name International Union for the Conservation of the Nature																					
		organization/Development organization		Contact Point Full Name Jacques Somda	Contact Point Email jacques.somda@iucn.org																				
		Acronym INERA		Name Institut de l'Environnement et de Recherches Agricoles																					
		NARES - National agricultural research and extension services		Contact Point Full Name B. André Bationo	Contact Point Email babou_bationo@yahoo.fr																				
		Acronym CSIR/SARI		Name Savannah Agricultural Research Institute (CSIR/SARI)																					
		NARES - National agricultural research and extension services		Contact Point Full Name Jesse B. Naab	Contact Point Email jesse.naab@gmail.com																				

	NARES - National agricultural research and extension services	Acronym	IER	Name	Institut d'Economie Rural	
		Contact Point Full Name		Contact Point Email		
		Kalifa B. Traore		ibosimon_1@yahoo.fr		
	NARES - National agricultural research and extension services	Acronym	ISRA	Name	Institut Senegalais de Recherche Agricole	
		Contact Point Full Name		Contact Point Email		
		Yacine Ndour		yacine.ndour@irf.fr		
	NARES - National agricultural research and extension services	Acronym	INRAN	Name	Institut National de la Recherche Agronomique du Niger	
		Contact Point Full Name		Contact Point Email		
		Abasse Tougiani		atougiani@yahoo.fr		

Activity No. 291						
Activity title	Household detailed characterization: IMPACT lite					
CCAFS Objective <i>(select from drop list)</i>	4.2 Assemble data and tools for analysis and planning	CCAFS Milestone No. <i>(select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)</i>	4.2.1 2013 (1)			
Activity objectives <i>(what the activity aims to achieve)</i>	Objective 1	Collect detailed household data to capture within-site variability on key livelihood indicators for each of the CCAFS sites				
Activity status	Completed					
Insert a small remark to indicate the status of the activity. <i>(2-4 sentences required per activity)</i>	Detailed household characteristics data that can be used to examine the ex-ante impact of climate change shocks, the effect of adaptation strategies and mitigation strategies on farming households and the environment were collected from 1000 households within all 5 CCAFS pilot sites in West Africa. The data are being analyzed by a regional team comprising scientists from different centers and institutions to come-up with various scientific outputs, including a paper on the household-food security and adoption of climate smart agriculture in West Africa.					
Deliverables status <i>(You may add any unexpected deliverable)</i>	Type	Description	Year	Status	Format	
	Data	household data sets	2012	Completed	Database (*.sql, *.mdb, etc)	
	Reports, publications	activity report	2012	Completed	Document (*.doc, *.odt, *.pdf)	
	Reports, publications	peer reviewed publication	2012	Uncompleted	Document (*.doc, *.odt, *.pdf)	
Current Partners	CG - CGIAR Center	Acronym	ILRI	Name	International Livestock Research Institute	
		Contact Point Full Name		Contact Point Email		
		Mariana Rufino		m.rufino@cgiar.org		
	NARES - National agricultural research and extension services	Acronym	INERA	Name	Institut de l'Environnement et de Recherches Agricoles	
		Contact Point Full Name		Contact Point Email		
		Léopold Somé		bsomel@yahoo.fr		
	NARES - National agricultural research and extension services	Acronym	CSIR/SARI	Name	Savannah Agricultural Research Institute (CSIR/SARI)	
		Contact Point Full Name		Contact Point Email		
		Jesse B. Naab		jesse.naab@gmail.com		
	NARES - National agricultural research and extension services	Acronym	IER	Name	Institut d'Economie Rural	
		Contact Point Full Name		Contact Point Email		
		Lamissa Diakité		diakite.lamissa@yahoo.fr		

	NARES - National agricultural research and extension services	Acronym	Name	
		ISRA	Institut Senegalais de Recherche Agricole	
		Contact Point Full Name	Contact Point Email	
	NARES - National agricultural research and extension services	Yacine Ndour	yacine.ndour@ird.fr	
		Acronym	Name	
		INRAN	Institut National de la Recherche Agronomique du Niger	
	NARES - National agricultural research and extension services	Contact Point Full Name	Contact Point Email	
		Moussa Boureima	moussaboureima@yahoo.fr	

2012 summary report of activities and deliverables by Output level

Each Program Participant must prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives. Length is dependent on budget size so please refer to the table on the explanatory notes.

CCAFS Region Led Activities West Africa (WA)

Theme 1. Adaptation to Progressive Climate Change	
Objective 1.1 Analyze and design processes to support adaptation of farming systems in the face of future uncertainties of climate in space and time	
Outcome 1.1: Agricultural and food security strategies that are adapted towards predicted conditions of climate change promoted and communicated by the key development and funding agencies (national and international), civil society organizations and private sector in at least 20 countries	
Output 1.1.2 Building of regional and national capacities to produce and communicate socially inclusive adaptation and mitigation strategies for progressive climate change at the national level (e.g. through NAPAs)	
Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives	The farm-of-the future approach was implemented with communities from the CCAFS site of Ghana, Doggoh and Bompari villages). Two major activities were undertaken: a) preparatory planning week in Lawra-Jirapa allowed to train 20 farmers and 12 Agricultural Innovation stakeholders to the farms of the future concept. Further to the training, selected farmers and AIS members were exposed to participatory modelling to explore past history, current situation and potential scenarios and using participatory videos to document farming practices; and b) exchange visit (26 participants comprising 18 farmers and 6 AIS - agricultural extension, CSIR/SARI, LACERD from Ghana) in southern Burkina Faso. Farmers and AIS from Ghana met a group of farmers in southern Burkina and exchanged knowledge and information around 9 learning opportunities revolving around climate change adaptation. This includes: agricultural diversification and intensification, crops rotation, intercropping, agroforestry (with cashew, mango, jatropa, citrus and goyava), Seed production process, etc. Deliverables: 1 report by NRI on the preparatory planning meeting, 1 report on the implementation of the exchange visit in Burkina Faso by CCAFS, FNZ and LACERD/CSIR/SARI
Theme 2. Adaptation through Managing Climate Risk	
Objective 2.3 Support risk management through enhanced prediction of climate impacts on agriculture, and enhanced climate information and services	
Outcome 2.3 Enhanced uptake and use of improved climate information products and services, and of information about agricultural production and biological threats, by resource-poor farmers, particularly vulnerable groups and women, in at least 12 countries	
Output 2.3.1 Improved, value-added climate information products, knowledge, tools, methods; and platforms for monitoring and predicting impacts of climate fluctuations on agricultural production and biological threats; to support management of agricultural and food security risk	
Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives	43 agrometeorologists and hydrologists from 17 countries of the ECOWAS region were trained to clean existing national climate databases and to use them to derive the variability and predictability of agrohydroclimatic characteristics of the rainy season in West Africa - application of the 2012 seasonal forecast to food security and water resources management. The resulted seasonal forecast information from the training was presented and confirmed during the subregional climate outlook forum for West Africa (PRESAO). Further, a district level forecast was produced for each of the CCAFS sites in Mali (Ségou) and Burkina Faso (Tougou) and communicated to local stakeholders (140 participants (farmers, extension services, decentralized directorates-agriculture, livestock, environment- including 33 women). This was done through various communication workshops respectively with technicians and farmers groups. Deliverables: 1 report by AGRHYMET on the training of agrometeorologists and hydrologists; 1 report of the workshops in Tougou and Segou.
Output 2.3.2 Synthesized knowledge and evidence on institutional arrangements and communication processes for enhancing climate services for agriculture and food security, including services that reach marginalized farmers and women	
Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives	19 representative of Kaffine district public and private services (agricultural extension services, NGOs, met services, journalists), and other stakeholders were trained on the 2012 rainfall characteristics (seasonal forecast, farmers indigenous knowledge, onset date of the rainy season), and benefited from a communication of a downscaled, probabilistic seasonal forecast provided through ANAMS. Following the training and communication, field tests were conducted during the rainy season to evaluate the effectiveness of the seasonal forecast information for farm management decisions. Deliverables: 1 report on the implementation of the seasonal forecast project in Kaffrine.

Theme 3. Pro-Poor Climate Change Mitigation	
Objective 3.3 Test and identify desirable on-farm practices and their landscape-level implications	
Outcome 3.3: Key agencies dealing with climate mitigation in at least 10 countries promoting technically and economically feasible agricultural mitigation practices that have co-benefits for resource-poor farmers, particularly vulnerable groups and women	
Output 3.3.1 Analysis of mitigation biophysical and socioeconomic feasibility for different agricultural practices and regions, and impacts on emissions, livelihoods and food security	
<p><i>Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives</i></p>	<p>There is a growing need for agricultural development options that can sequester large amounts of carbon dioxide from the atmosphere or otherwise minimize greenhouse gas emissions to mitigate climate change, while also contributing to smallholder farmers' food security and adaptation to climate change. The purpose of this work on sustainable agricultural intensification is to enable farmers, developers and managers of agricultural carbon, and policy makers to develop cost-effective options for agricultural mitigation that also concur to strengthening the adaptive capacity of actors while supporting local sustainable development, especially related to food security and climate change adaptation. Through working together with communities and local authorities and rural development organisations, this activity develops progressively up-scalable options of climate smart agriculture through improved understanding of mitigation and adaptation opportunities in agriculture among smallholders in West Africa. ICRAF Sahel node has been leading and facilitating the implementation of this activity, which is included in the participatory action research work to enable iterative learning and improvement of interventions across the five CCAFS pilot sites in West Africa. Activities implemented during the rainy season 2012 in the three countries and included: baseline studies, land reclamation tests, naturally assisted tree regeneration, tree planting, improved crop varieties tests, training activities (more than 50 farmers trained, 2 MSC students trained), and farmers' exchange visits (3). Deliverables: 1 report by ICRAF on the activities conducted in 2012</p>
Output 3.3.2 Methods developed and validated for GHG monitoring and accounting at farm and landscape level to contribute to compliance and voluntary market standards	
<p><i>Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives</i></p>	<p>A regional group of 6 GHG measurement experts from West African countries (Burkina Faso, Benin, Mali, Senegal and Ghana) have been supported through small grants to implement experiments on GHG quantification methods. The range of research topics includes (1) Modeling the long-term impact of on-farm management practices on soil carbon dynamics in northern Benin; (2) Which contributions from agricultural practices to the GHG emission and carbon sequestration in Burkina Faso; (3) The estimation of GHG emissions from agricultural fields in Northern Ghana; (4) The quantification methods and measurements under different landuse systems in the greater Accra region of Ghana; (5) The development of a standardized carbon measurement method in two agro-ecological zones in Mali; (6) The development of methods for monitoring and assessing agro forest performances in a climate change context in Senegal. The team is supported by scientists from CGIAR centres (ICRAF & ICRISAT) for regular networking and knowledge sharing among team members. A regional workshop was organized in Accra (Ghana) to share projects preliminary results and to strengthen the networking among the experts. Further to this workshop, the experts network team was linked up with a larger group of national policy and science/technical stakeholders through the Global Research Alliance (GRA) workshop on building capability in measurement, inventory and mitigation of greenhouse gases for African farming systems. It is expected that the GHG expert team will influence this African-wide science-policy actors through regularly up-dating them on new information pertaining to mitigation potentials in countries. Deliverables: 1 network of experts established.</p>
Theme 4. Integration for Decision Making	
Objective 4.1 Explore and jointly apply approaches and methods that enhance knowledge to action linkages with a wide range of partners at local, regional and global levels	
Outcome 4.1: Appropriate adaptation and mitigation strategies mainstreamed into national policies in at least 20 countries, in the development plans of at least five economic areas (e.g. ECOWAS, EAC, South Asia) covering each of the target regions, and in the key global processes related to food security and climate change	
Output 4.1.2 Evidence on, testing and communication of, successful strategies, approaches, policies, and investments contributing to improved science-informed climate change-agricultural development-food security policies and decision making	
<p><i>Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives</i></p>	<p>CCAFS has partnered with ICRAF and ICRISAT in West Africa to undertake a participatory action research project to test and validate in partnership with rural communities and other stakeholders, a scalable climate-smart model for agricultural development that integrates a range of innovative agricultural risk management strategies. Following the inception and planning workshop in February 2012, three countries - Mali, Ghana, Burkina Faso- a country workplan was developed for each of the three participating countries that are Burkina Faso, Ghana and Mali. National workshops involving local key stakeholders were later held in each country to refine and validate the workplans developed during the regional workshop. Activities planned in these workplans were implemented during the rainy season 2012 in the three countries and included: baseline studies, land reclamation tests, naturally assisted tree regeneration, tree planting, improved crop varieties tests, training activities (more than 50 farmers trained, 2 MSC students trained), and farmers' exchange visits (3). Deliverables: 1 report by ICRAF on the activities conducted in 2012</p>
Output 4.1.4 Strengthening capacities to effectively engage in global policy processes and mainstreaming risk, adaptation and mitigation strategies into national policies, agricultural development plans, and key regional and global processes related to agriculture and rural development, food security and climate change	
<p><i>Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives</i></p>	<p>Two regional workshops were organized in Dakar (Sep 2012) and Ouagadougou (Dec 2012) to 1) establish/strengthen national platforms and 2) to validate the work plan of each country national platform as well as the regional platform. The first workshop provided opportunities for each of the national platform (comprising representative from national agricultural research system, national agricultural/food security policy-makers, NGO, network/umbrella of farmers organizations) to come up with a state-of-the-art diagnosis on the constraints and opportunities to networking at the national level in order to mainstream climate change adaptation into national agricultural policy and development agenda, identify the key institutions and organizations to embark in the process. Following their formal setup, the national platforms were officially launched in each country through a one-day event meeting with communication outreach. A road map has been developed for the 2013 activities of each national platform.. Deliverables: 5 operational platforms established in CCAFS pilot countries; 1 report on the workshops in Senegal and Burkina Faso.</p>
Objective 4.2 Assemble data and tools for analysis and planning	
Outcome 4.2 Improved frameworks, databases and methods for planning responses to climate change used by national agencies in at least 20 countries and by at least 10 key international and regional agencies	
Output 4.2.1 Integrated assessment framework, toolkits and databases to assess climate change impacts on agricultural systems and their supporting natural resources	
Regional site and baseline characterization	
<p><i>Prepare a succinct summary of activities and deliverables, organised by Output level of the CCAFS objectives</i></p>	<p>Detailed household characteristics data that can be used to examine the ex-ante impact of climate change shocks, the effect of adaptation strategies and mitigation strategies on farming households and the environment were collected from 1000 households within all 5 CCAFS pilot sites in West Africa. In each of the CCAFS sites, a training workshop was organized to capacitate the national team (comprising the site leader, 5-7 enumerators, 2-3 data clerks) on the IMPACTlite and data collection method. The data are being analyzed by a regional team comprising scientists from different centers and institutions to come-up with various scientific outputs, including a paper on the household-food security and adoption of climate smart agriculture in West Africa. Deliverables: 5 country reports on the implementation of the IMPACTlite; 1 global IMPACTlite report by ILRI</p>

List of publications that acknowledge CCAFS support

(a) Each Program Participant must list all publications that acknowledge CCAFS support. Only include publications that came out in final version in the calendar year. Please do not include journal papers under review (submitted etc) or out in electronic format ahead of print, except of course for electronic-only journals.

(b) Please try to format references in the Harvard style. A clear guide can be found here:

<http://libweb.anglia.ac.uk/referencing/harvard.htm>

(c) For journal articles, please indicate all of the references that are "green open access" with a single asterisk and those that are "gold open access" with a double asterisk. This is now a requirement from CGIAR donors. Green open access means that the authors have made a free copy available on a website. Gold open access means that the journal allows free download (either as standard practice or because the authors paid for it).

(d) For all publications that are up online, please provide a web link if possible. This will help us to advertise your work more widely.

CCAFS Region Led Activities West Africa (WA)

Publication 1	Type Working papers	Citation identifier Doudouma Sogoba, Oumar B. Samake, Robert Zougmore, Abdoulaye Saley Moussa 2012
	Citation Innovations technologiques pour l'adaptation et l'atténuation des effets des changements climatiques en Afrique de l'Ouest: récits paysans. http://cgspace.cgiar.org/bitstream/handle/10568/25163/CCAFSWorkingPaper31.pdf?sequence=1	
Publication 2	Type Other	Citation identifier N. Ivaldi, D. Henning, L. Ivaldi, N. Bernués, G. Cockfield, A. Diongue, J. Hansen, A. Hildebrand, K.
	Citation * Improving Climate Risk Management at Local Level – Techniques, Case Studies, Good Practices and Guidelines for World Meteorological Organization Members 2012 - http://cdn.intechopen.com/pdfs/38972/InTech-Improving_climate_risk_management_at_local_level_techniques_case_studies_good_practices_and_guidelines_for_world_meteorological_organization_members.pdf	
Publication 3	Type Other	Citation identifier Rufina Mariana et al. 2012
	Citation Developing generic tools for characterizing agricultural systems for climate and global change studies (IMPACTlite – phase 2)	

2012 Case studies

Number of case studies to be submitted is dependent on budget size so please refer to the table on the explanatory notes. Each case study should be about half a page, and Program Participants are expected to build a portfolio of case studies over the years that demonstrate all different types.

CCAFS Region Led Activities West Africa (WA)

CASE STUDY 1

Title		Author	
Regional platform of exchange between researchers and policy-makers on agriculture a		Robert Zougmore, Abdoulaye Saley Moussa, Amadou Mactar Dieye, Amadou Sall	
Type	Date (DD/MM/YYYY)	Countries	
Innovative non-research partnership	12/31/2012	Burkina Faso, Ghana, Mali, Niger and Senegal	
Keywords		Photo URL	
platforms, adaptation, agriculture, climate change, policy-science dialogue			
Introduction/Objectives (400 characters)			
<p>Assessments of the Intergovernmental Panel on Climate Change (IPCC) indicated that to render more efficient efforts made in adaptation to climate change, activities must not only rely on scientific knowledge, but must also be carried out within a policy and strategic development context. In Africa for instance, initiatives involving regular consultation amongst agricultural stakeholders and aimed at reflecting on the adaptation to climate change of the poorest and most vulnerable populations are lacking. The CORAF/WE CARD is coordinating an IDRC funded project AfricaInteract in the form of a platform for exchange between African research scientists and policy-makers on climate change adaptation. The goal of the project is to develop a platform for the effective and efficient transfer of information to policy-makers, with the ultimate aim of enhancing the resilience of vulnerable populations. It seems however crucial to mobilize and organize national key stakeholders in a way to insure their effective involvement and contribution to the regional platform. Indeed, discussions with CORAF and with leaders of national policy institutions revealed that to ensure sustainability and also for an effective generation and feeding of national-level outputs to the regional platform, it is necessary to build up national advisory teams that will bring a unified voice and priority needs to the regional platform. The CCAFS program with goals similar to those of AfricaInteract is contributing towards the realization of shared goals through effective engagement with rural communities, institutional and policy stakeholders in Burkina Faso, Ghana, Mali, Niger and Senegal and the regional frameworks under AfricaInteract. In this regard, CCAFS West Africa is committed to spearheading the linkage for agriculture sector in the respective countries for exchange between researchers and policy makers. The specific objectives of this project under CCAFS are: 1) Establish in each of CCAFS pilot country a national team of key stakeholders that will network and interact regularly to develop countries' priorities and needs for adaptation to climate change to feed AfricaInteract at the ECOWAS sub-regional-level; 2) Support and animate the core group of 4-5 country representatives towards effective involvement to the CORAF platform, and 3) Ensure widespread dissemination of outputs (e.g. policy briefs, reports, releases) through CCAFS, CORAF websites and portals for example AfricaAdapt .</p>			
Description of the project, procedures etc. (1100 characters)			
<p>The major objective of this initiative is to enhance climate change adaptation in the agricultural sector in rural communities in West Africa. The aim is to build up national platforms that will feed into the regional platform of exchange between researchers and policy makers. Specific objectives are:</p> <ol style="list-style-type: none"> 1. Establish in each of CCAFS pilot country a national team of key stakeholders that will network and interact regularly to develop countries' priorities and needs for adaptation to climate change to feed AfricaInteract at the ECOWAS sub-regional-level. 2. Support and animate the core group of 4-5 country representatives towards effective involvement to the CORAF platform. 3. Ensure widespread dissemination of outputs (e.g. policy briefs, reports, releases) through CCAFS, CORAF websites and portals for example AfricaAdapt <p>The following are the expected outputs</p> <ul style="list-style-type: none"> • A country team of key stakeholders established and effectively networking with relevant deliverables in each CCAFS' pilot country • Key policy makers and other relevant stakeholders at community and national level effectively linked with the regional framework for adaptation to climate change • Outputs from communities and countries widely disseminated (e.g. policy briefs, reports, website releases...) <p>To achieve the above outputs, CCAFS West Africa supported the regional efforts through linkages with the following key regional institutions already engaged including ECOWAS (through the Agriculture and Environment Departments, ECOWAS parliament, the Permanent inter-state committee for drought control in Sahel (CILSS) and the network of African farmers and (ROPPA), the network of Universities in West Africa, the Forum for Agricultural Research in Africa (FARA), the West African Science</p>			
Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)			
<p>5 operational national platforms established in the 5 pilot sites (Burkina Faso, Ghana, Mali, Niger and Senegal). The national platforms have held each two workshop to sensitize a wide number of stakeholders involved or of interest on adaptation to agriculture to climate change research, development and policy related initiatives. Each platform developed a roadmap for 2013 with key activities such as was the mapping of previous ongoing and planned adaptation of agriculture to climate change project interventions nationwide (review of projects/interventions objectives, results, areas of</p>			
Partners involved and their role (250 characters)			
<p>Centre de l'Environnement (CCE, Senegal): regional coordination of the activity and technical backstopping to national platforms; ACDD (Mali): focal point institution of the platform in Mali - Oversee the implementation of the project in Mali; SP/CONEDD (Burkina Faso): focal point institution of the platform in Burkina Faso - Oversee the implementation of the project in Burkina Faso; CSIR/ARI (Ghana): focal point institution of the platform in Ghana - Oversee the implementation of the project in Ghana; Ministry of Agriculture and Rural Equipment (Senegal): focal point institution of the platform in Senegal - Oversee the implementation of the project in Senegal; CNEDD</p>			
Links/Sources for further information			

CASE STUDY 2	Title	Developing community-based climate smart agriculture through PAR approach		Author	Jules Bayala, Antoine Kalinganire, Robert Zougmore, Abdoulaye Saley Moussa	
	Type	Inter-center collaboration	Date (DD/MM/YYYY)	12/31/2012	Countries	Burkina Faso, Ghana, Mali, Niger and Senegal
	Keywords	climate-smart agriculture, participatory action research			Photo URL	
	Introduction/Objectives (400 characters)					
	CCAFS seeks to develop up-scalable options of climate smart agriculture through improved understanding of mitigation and adaptation opportunities in agriculture among					
	Description of the project,, procedures etc. (1100 characters)					
	The project is implemented by ICKAR in partnership with the national agricultural research systems of Burkina Faso, Ghana, Mali, Niger and Senegal. Using a PAR approach centered on the climate-smart village model, the project comprises 4 work packages: Workpackage 1: Baseline studies Workpackage 2: On-farm testing of basket of technologies to adapt and mitigate to climate change Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters) The project is still running and will end in Dec 2013. The following milestones were achieved so far: o Baseline studies conducted in each of the three sites. Biophysical data and socio-economic data were collected; o On-farm testing of basket of technologies to adapt and mitigate to climate change were established i.e. land restoration trials combining soil and water conservation practices (Zai, half-moons, and stone/earth bunds) with assisted natural regeneration of local species involving 20 farmers in Tichtenga, 12 integrated soil fertility Partners involved and their role (250 characters) ICKAR: leading the implementation of the project in close collaboration with national partners in the 5 CCAFS pilot countries; NARS (CSIR/SARI - Ghana, IER - Mali, INERA - Burkina Faso, INRAN - Niger and ISRA - Senegal) are the main partners responsible of the project implementation at the national level; The Sub-national and National level authorities (different directorates – agriculture, environment, livestock and fisheries, water management, etc.) participate in field-tests to ensure that farmers perspectives vis-à-vis of climate change adaptation are well understood and taken into account in national policies. Links/Sources for further information					
CASE STUDY 3	Title	Local institutions to reduce climate risk through seasonal forecast communication and		Author	Ousmane Ndiaye, Robert Zougmore, Abdoulaye Saley Moussa	
	Type	Capacity enhancement	Date (DD/MM/YYYY)	12/31/2012	Countries	Burkina Faso, Mali and Senegal
	Keywords	seasonal forecast communication, agricultural management decisions			Photo URL	
	Introduction/Objectives (400 characters)					
	After have started successfully in Kaffrine in 2011, this activity is now out-scaled to two other CCAFS sites, namely Tougou (Burkina Faso) and Segou (Mali). In 2012, the proposed project aimed to test the design and communication of downscaled, probabilistic seasonal forecasts; and evaluate their impact on farmers’ management and livelihood outcomes. Activities identified included: • Test and refine the design of downscaled, probabilistic seasonal forecast information. Description of the project,, procedures etc. (1100 characters)					
	This project consisted in using long-term series of climate data to derive a probabilistic forecast of the rainy season. This information was downscaled to the district level in					
	Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)					
	A total of 224 farmers and representative from various national and district level actors (agriculture, environment, livestock, health, fisheries, etc.), NGOs staff in Kaffrine (
	Partners involved and their role (250 characters)					
	• ANACIM: Senegalese National weather Agency, delivered the probabilistic forecasts to farmers and led the whole process; • National Meteorological services in Burkina Faso, Mali and Senegal provided technical backstopping and assistance during the implementation of the project at each site, in collaboration with ANACIM staff; • NARS from Burkina Faso (INERA), Mali (IER) and Senegal (ISRA) developed the evaluation survey and its implementation. Links/Sources for further information					

2012 Outcome report

Frequency of reporting outcomes is dependent on budget size so please refer to the table on the explanatory notes. (max 1 page)

CCAFS Region Led Activities West Africa (WA)

OUTCOME 1

What is the outcome of the research (use of research results by non-research partners)?

Outcome 2.3 Enhanced uptake and use of improved climate information products and services, and of information about agricultural production and biological th

What outputs produced in the three preceding years resulted in that outcome?

Output 2.3.1 Improved, value-added climate information products, knowledge, tools, methods; and platforms for monitoring and predicting impacts of climate flu

What partners helped in producing the outcome?

AGRHMET- sub-regional specialised organisation of the CILSS: coordinated at the sub-regional level all activities re the cleaning of climatic data from national me

Who used the output?

In strict numbers, 224 farmers and agricultural innovation stakeholders benefited from the seasonal climate forecast information through direct training. Howeve

How was the output used?

The output was used mainly for farm management decision making.

What is the evidence for this outcome: Specifically, what kind of study was conducted to show the connection between the research and the outcome? Who conducted it? Please provide a reference or source.

The scaling-up of this output is taking up. An evaluation study on the seasonal forecast communication to farmers has been conducted during 2012 in Kaffrine to a

Gender and Social Differentiation related activities summary report - 2012

CRPs that have presented their Gender Strategy to the Consortium in 2012 should show progress in 2013 in relation to implementing the Strategy. Therefore it is expected from Program Participants that findings of gender and social differentiation activities and their significance to be referred in this summary report. It is essential to relate progress towards outcomes to the baseline gender-differentiated conditions being used to measure change. This report should also refer specifically to what is being learnt about gender and how this knowledge is being used to inform research priority-setting and approach. If none or few of your activities integrate gender please explain why it is not relevant to your research portfolio.

☐

CCAFS Region Led Activities West Africa (WA)

Climate change is affecting agriculture and food security in West Africa. Yet, adapting to climate change requires behavioral changes from the community's members and their partners as well. For these changes to happen, community and their partners have to be well informed and trained on the area where changes are needed. For human systems, these changes include learning and doing things differently so as to influence changes in natural systems and induce adaptation to climate change in agriculture and food security sectors. In West Africa, we used a toolkit for planning, monitoring and evaluation of climate change adaptation (ToP-MECCA) to to mainstream gender in our participatory action research, which is a process in which those who are experiencing a problematic situation in a community participate collaboratively with researchers in deciding what information is needed, in collecting and analyzing information, and in taking action to manage, improve, or contribute to a fair and sustainable society. To that end, multi-disciplinary teams in Burkina Faso, Ghana, Mali and Niger, have been empowered on the use of the toolkit. Then, community level workshops have been organized to collect data using the toolkit with the various communities and considering gender-specific perception on climate change and adaptation strategies. District level workshops with a large and diverse group of stakeholders allowed de define and validate a vision and outcomes challenges, which were disaggregated according to the two genders. Base on this information, INERA in Burkina for instance launched the field testing of selected adaptation activities, starting with the following adaptation activities in Tibtenga: (i) Soil and water conservation-Assisted natural regeneration-Mixed cropping techniques, (ii) Multi-purpose trees (*Moringa oleifera*)-planting techniques and (iii) Support to cash crops production techniques (cowpea and sesame). the multi-purpose trees plantation was expressly requested by women farmers who took this activity over men in the village. Using a similar approach in Ghana for the participatory planning of ground tests, the women group preferred fruit trees (ex: mango, tamarind, cashew) while men targeted multi-purpose trees (Mahogany). The participatory M&E process also resulted in the setup of five local committees to supervise the PAR work: this includes (1) gender, (2) integrated soil fertility management, (3) agroforestry, (3) bush fires, and (5) a general one comprising representatives from the first four committees. As a consequence, capacity building of women in induced by CCAFS.various areas of interest were recommended by the gender committee. In the same line, CCAFS WA started to work into developing an impact pathway for the network of partners at the CCAFS sites with a focus on analysis and planning for effective gender-sensitive partnership/networking among farmers, policy-makers, researchers, the private sector and civil society to foster the delivery of expected impacts from CCAFS Programme. The work will be pursued in 2013 through monitoring and harvesting outcomes

Regional Program Leader Synthesis Report - 2012

Regional Program Leaders will report on the same categories before, following the reporting depth of “Medium” in the explanatory notes. In addition Regional Program Leaders will provide a synthesis of all Program Participant activities, arranged as follows:

Provide a synthesis of research activities at CCAFS sites (max. 5,000 characters).

In 2012, the research activities were implemented in partnership with a wide range of partners including (but not limited to) INRAC (Burkina Faso, Ghana, Mali, Niger and Senegal), CGI centers (ICRAF, ICRISAT, ILRI), international (IUCN) and national (FNZ, LACERD, AMEDD) NGOs, national meteorological services (ANACIM, Mali Meteo Agency, Burkina Faso National Meteorology Directorate), national councils/agencies on environment and sustainable development (CONEDD, CNEDD, MARE, AEDD), regional training (AGRHMET), farmers organization (ROPPA) and NRM specialized (INSAH) institutions.

Provide a synthesis of cross-center activities (max. 5,000 characters).

In 2012, ICRISAT and ICRAF partnered to test, develop and promote in partnership with rural communities and other stakeholders, a scalable climate-smart model for agricultural development that integrates

Provide a synthesis of regional engagement and communications activities (max. 5,000 characters).

At the regional level the objectives of the CCAFS engagement and communications strategy are to make consider CCAFS program as the go-to place for climate change related issues in the sub-region. Therefore, the specific objectives are:

- ☑ To provide a credible and authoritative platform for scientific information, knowledge and tools on agriculture and food security under climate change.
- ☑ To actively engage at all levels to facilitate user-driven research, science-based dialogue, knowledge sharing, and evidence-based policy among key partners in West Africa.

Provide a synthesis of activities related to decision support systems and tools (max. 5,000 characters).

In 2012, several activities pertaining to decision support systems were conducted in West Africa. These included the scenario development workshop attended by regional and national stakeholders. Four scenarios were developed and the process is on-going. Further to the scenario process, national platforms were established in the 5 CCAFS pilot countries. These platforms aim to strengthen the dialogue, networking, knowledge and information sharing required at the national level between different stakeholders in order to promote and mainstream climate change adaptation into national policy and agendas. A high level policy session was organized in 2012 to strengthen the dialogue between researchers and policy makers for mainstreaming climate change adaptation into national policies.



RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



Milestone Status Report - 2012

	Theme	Milestone	Milestone Status
MILESTONE REPORT 1	Theme 1	1.1.2 2012	Partially completed
	Theme Leader comments on Milestone status		
	Regional Program Leader comments on Milestone status		
	Activity piloted in one CCAFS site (Ghana) in 2012. More sites to be covered by 2013.		
MILESTONE REPORT 2	Theme 2	2.3.2 2012	Partially completed
	Theme Leader comments on Milestone status		
	Regional Program Leader comments on Milestone status		
	Climate information delivery mechanisms demonstrated and evaluated with representatives of different stakeholders groups at Kaffrine in Senegal		
MILESTONE REPORT 3	Theme 2	2.3.1 2012	Partially completed
	Theme Leader comments on Milestone status		
	Regional Program Leader comments on Milestone status		
	Capacity on seasonal forecasting enhanced and communication approach evaluated in three sites (Kaffrine in Senegal, Yatenga in Burkina Faso and ...)		
MILESTONE REPORT 4	Theme 3	3.3.1 2012 (1)	Partially completed
	Theme Leader comments on Milestone status		
	Regional Program Leader comments on Milestone status		
	Activity on sustainable intensification. Implementation in progress with focus in Niger and Senegal.		

MILESTONE REPORT 5	Theme	Milestone	Milestone Status
	Theme 3	3.3.2 2012	Partially completed
	Theme Leader comments on Milestone status		
MILESTONE REPORT 6	Regional Program Leader comments on Milestone status		
	6 case studies (projects) on the development of GHG quantification methods implemented in 5 countries (Benin, Burkina Faso, Ghana, Mali and Se		
MILESTONE REPORT 7	Theme	Milestone	Milestone Status
	Theme 4.1	4.1.4 2012 (1)	Partially completed
	Theme Leader comments on Milestone status		
MILESTONE REPORT 8	Regional Program Leader comments on Milestone status		
	5 national platforms established and linked with the regional platform (CORAF/WECARD). National platforms roadmaps developed and implementa		
MILESTONE REPORT 7	Theme	Milestone	Milestone Status
	Theme 4.1	4.1.2 2012	Partially completed
	Theme Leader comments on Milestone status		
MILESTONE REPORT 7	Regional Program Leader comments on Milestone status		
	Relates to PAR activity on developing community based climate smart agriculture. Activity underway and expected to expand to Niger and Senegal :		
MILESTONE REPORT 8	Theme	Milestone	Milestone Status
	Theme 4.2	4.2.1 2012 (1)	Partially completed
	Theme Leader comments on Milestone status		
MILESTONE REPORT 8	Regional Program Leader comments on Milestone status		
	Detailed household characterization (impactlite) completed for the five WA sites. Data analysis on-going.		