

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.

Activity title		dyna		multi-location tr	ials o	f technologies a	and genotypes for GxE	inter	actions, to suppo	rt the co	llection of metadata,		ge and testing Crop Trait ontology-based based queries on evaluation sites and	
CCAFS Objection (select from drop le			1.1 Adapted farming s	systems			estone No. details go to CCAFS 20	012 - 2	(select from drop 2015 LOGFRAME s			1.1.1 2012 (1)		
Activity objectives (what the activity aims to achieve)	Objective 1	Facili	litate the description in Agtrials of	the uploaded tr	al da	ta sets with a v	alidated list of breede	rs'trai	ts and support th	ie data d	liscovery using ontolo	ogy tra	ait based queries	
Activity statu	s		Partially completed											
Insert a small remark to status of the acti (2-4 sentences required p	vity.	trait infor	information, and details for the tr	ait list and Agtria it ontology was a	ils. In ilso e	addition,the re expanded with r	ecommendation was r new breeder trait dicti	nade i onarie	to use a similar ap es, and this was al	proach so trans	for farmer traits and	to dev	n of breeders' interest in the use of the velop geospatial access to the trait erest of the crop group (e.g. Spanish,	
			Туре			Description	ı		Year		Status		Format	
			Workshops	Workshop held with brobjectives 1.2 and Seec and ICARDA colleagues Workshops (FIGS, Analog, AgTrial identify and assess the from existing data so information in the second secon					2012		Completed		Plain text (*.txt)	
Deliverables status (You may add any unexpected deliverable)		Trait descri				Crop Trait ontology (http://www.cropontology.org) enriched with new Trait descriptions and categories useful for the annotation of Climate change data sets			2013	Pa	rtially completed		Plain text (*.txt)	
			Model tools and software	publis upg	ned o			erface, and 2012 Comparison Compa					Database (*.sql, *.mdb, etc)	
					Acronym						Name			
						CIAT		Name Centro Internacional de Agricultura Tropical						
			CG - CGIAR Center			Cirti	Contact Point	+ Eull I		· interno	cional de Agricaltara	ПОР	Contact Point Email	
							Glenn H						g.hyman@cgiar.org	
							O.C.III T	,,,,,					gy.nane againing	
						Acronym					Name			
						CIRAD			Centre Internation	onal de F	Recherche Agricole et	du De	evelopement	
			ARI - Advanced Research Ins	stitution			Contact Point	t Full I			0		Contact Point Email	
							Jean Christoph				je	ean-ch	nristophe.glaszmann@cirad.fr	
						Acronym					Name			
						INRA			Institut	National	de la Recherche Agr	onom	ique	
	ARI - Advanced Research Institution						Contact Point	t Full I	Name				Contact Point Email	
							Jacques I	Legou	is			Jacqu	es.Legouis@clermont.inra.fr	
Current Partne	rs													
Surrent artie						Acronym					Name			
						USDA				U.S. Dep	artment of Agricultu	re		
			ARI - Advanced Research Ins	stitution			Contact Point		Name				Contact Point Email	
							David	Ellis				d	lavid.ellis@ars.usda.gov	
						Acronym						Name all University		
			AI - Academic Instituti	on	Cornel Contact Point Full Name				rnell University Contact Point Email					
							Naama I						nm249@cornell.edu	

		Acronym													
		AI -	Academic Institution	n		Contact Point I	Full Name	Oregon State U	egon State University Contact Point Email						
						Laurel Co			coo	perl@science.oregonstate.edu					
					Activity N	lo. 46									
Activity title	•	Case studies of at le	ast 6 crops to use er	hanced version o	of AgTrials.										
CCAFS Objecti (select from drop I		1.1	Adapted farming sy	stems		lestone No. details go to CCAFS 201	(select from drop 12 - 2015 LOGFRAME s		1.1.1 2012 (1)						
Activity objectives (what the activity aims to achieve)	Objective 1	Enabling the access	to and discovery of	evaluation data u	ising trait queries	on Agtrials that will su	pport the selection pr	ocess of germplasm	f germplasm of interest to breeders and farmers						
Activity statu	ıs					Partially complete	ed								
Insert a small remark to status of the act (2-4 sentences required p	ivity.		n 2012, trait information on five priority crops (cassava, yam, sweet potato, sorghum, and pearl millet) was extracted, and linked to both the crop ontology nission database. In 2013, information from banana will also be extracted, and case studies on all six crops will be completed and tested with breeders.							ogy curation tool and Bioversity's collecting					
		Т	ype		Descriptio	n	Year	Statu	us	Format					
Deliverables sta (You may add any unexpecte		Model tools and software accessing to				ing Agtrials with the d on the Crop Trait	2013	Partially comp	pleted	Plain text (*.txt)					
		Model tools and software Tes			ing the product w	2013	Uncomplet	ted	Plain text (*.txt)						
			Acronym Name												
			C. CCIAD C.		CIAT			o Internacional de A	gricultura Tro						
			CG - CGIAR Center			Contact Point I Glenn Hy									
					Acronym CIRAD		le seekees	Name	مراكب ام طفروامه	Contact Point Email g.hyman@cgiar.org le développement Contact Point Email					
		ARI - Adv	anced Research Inst	itution	CINAD	Full Name	the agronomique po	our le develop							
						Jean Christophe Glaszmann				-christophe.glaszmann@cirad.fr					
Current Partne	ers				Acronym			Name	Name						
								Cornell Unive	rnell University						
		AI -	Academic Institution	n		Contact Point I				Contact Point Email					
						Naama M	enda			nm249@cornell.edu					
					Acronym			Name							
		AI -	Academic Institution	n		Contact Point I	Full Name	Oregon State U	niversity	Contact Point Email					
						Pankaj Jai			jaisv	walp@science.oregonstate.edu					
Activity title	2	Multilocation partici	patory trials of duru	ım wheat in Ethic	ppia carried out in	analogue sites for pres	ent and future adapta	ation to climate cha	nge						
CCAFS Objecti (select from drop l		CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet) 1.1.1 2014						1.1.1 2014							
Babbit bis	Objective 1 Object							and participatory evaluation techniques, to							
Activity objectives (what the activity aims to achieve)	Objective 2	To improve farmers'	access to genebank	: materials throug	gh the establishm	ent of a seed disseminat	tion system, also enab	oling the scaling-up	of the project	at the national level					
acmevej	Objective 3	To build the capacity	y of national scientis	ts on documenta	ition systems, GIS	techniques and use of o	collections								
Activity statu	ıs					Partially complete	ed								
Insert a small remark to status of the act (2-4 sentences required p	ivity.	A new grant - receive	ed towards the end characterization, will	of 2012 - has exp provide informa	anded the work t	o an additional seven ne	ew sites, and will invo	lve three new Partn	ers (activity u	ruary 2013, which will summarize all findings. nder theme 2). The work will strengthen the diversity in production systems.					

		Туре		Description	1	Year	Sta	tus	Format		
		Reports, publications	multilo Ethiopia women fa	nical Report and pee ocation trials in 3 pilo for durum wheat an armers' evaluation; p Is in five more regior	t analogues sites d barley, including reliminary report of	2013	Partially con	npleted	Document (*.doc, *.odt, *.pdf)		
		Capacity		ional scientists acqui nentation system and		2013	Comple	ed	Document (*.doc, *.odt, *.pdf)		
		Workshops	sites v Informat	p on preliminary pro vill be held in Ethiopi ion to be included in eport (available Febr	on 15 January. the Final Technical	2012	Partially con	npleted	Document (*.doc, *.odt, *.pdf)		
Deliverables st. (You may add any unexpecte		Data	consolida	eries on multilocation ated, compiled and a pilot analogue sites c	nalysed. First three	2014	Partially con	npleted	Database (*.sql, *.mdb, etc)		
		Communication products	5 radio p	oroducts on related is	sues broadcasted.	2012	Comple	red	Plain text (*.txt)		
			trials prod for the	rt consolidating socic uced. Information ha first three trial sites; I Il not be generated u sites are analy:	s been consolidated nowever, the final ntil the 7 additional	2014	Partially con	pleted	Document (*.doc, *.odt, *.pdf)		
		Other		n of activities to 7 ne		2012	Comple	ed	Document (*.doc, *.odt, *.pdf)		
				Acronym			Name				
				IBC		ı	nstitute for Biodivers	ity Conservatio	n		
		NARES - National agricultural re extension services			Contact Point	Full Name			Contact Point Email		
					Alganesh ⁻	Toroma		3	lganeshgellaw@yahoo.com		
					Alganesii	resema			iganicangenawe yanoo.com		
			Acronym Name								
		Al - Academic Institut	Mekelle University stitution Contact Point Full Name Contact Poi						Contact Point Email		
					Dejene Kassahun dejenekmh@gmail.com						
Current Partne	ers			•							
				Acronym			Name Sirinka Agricultural F				
		NARES - National agricultural n			Contact Point	: Full Name			Contact Point Email		
					Yosef Ki	dane			yosefgk@yahoo.com		
				Acronym			Name				
				,			Scuola Superio				
		Al - Academic Institut	ion		Contact Point				Contact Point Email		
					Enrico	re'			m.pe@sssup.it		
				Activity N	o. 48						
Activity title	e	Multilocation participatory trials of va	arious crops in 4	ountries carried out	in analogue sites for p	present and future a	daptation to climate	change			
CCAFS Objecti (select from drop		CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet) 1.1 Adapted farming systems (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)									
	Objective 1	Developing crop suitability models, co	oupled with pred	ctions of future clima	atic conditions, to allow	w the identification	of genebank materia	s best suited to	those conditions;		
	Objective 2	Evaluating the current and future pro	duction potentia	I for target crops usin	ng GIS-based predictio	n models;					
Activity objectives	Objective 3	Developing a database that combines climate and evaluation information on conserved varieties of target crops;									
(what the activity aims to achieve)	Objective 4	Undertaking a household survey of farmers to understand their knowledge of crop biodiversity, exchange of planting materials and local strategies for adapting to climate change;									
	Objective 5	Establishing community assessment o									
Objective 6 Providing training in the evaluation of varieties for stress-tolerance, the use of GIS tools and prediction models, and the use of innovative screening tools for promising varieties							Tor promising varieties				

Activity status	s				Partially complet	ed						
Insert a small remark to status of the acti (2-4 sentences required p	vity.	First evaluation trials have been comp	leted for sweet p	otato, oat and buck	wheat. Taro trials will	be carried ou	t in 2013.	Reports for all four c	rops will be do	one in 2013.		
		Туре		Description	n	Ye	ar	Status		Format		
		Reports, publications	taro in PN Report on	IG and for oat and b	n sweet potatoes and buckwheat in China; al Evaluation for rice bes in Bolivia.	20	13	Partially comple	eted	Document (*.doc, *.odt, *.pdf)		
Deliverables sta (You may add any unexpected		Communication products		wareness materials f er articles, presentat and worksho	tions in conferences	20	13	Partially comple	eted	Presentation (*.ppt, *.odp)		
		Workshops	Project ev	aluation workshop October 201	in PNG. Planned for 13.	20	13	Uncomplete	d	Plain text (*.txt)		
		Data	Passport and characterization database of taro and sweetpotato germplasm collections in PNG and their mapping			20	13	Completed		Database (*.sql, *.mdb, etc)		
		Acronym Name										
				Acronym								
			PROINPA Fundación para la Promoción e Investigación de Productos Andinos									
			NARES - National agricultural research and extension services Contact Point Full Name							Contact Point Email		
					Wilfredo	Rojas				w.rojas@proinpa.org		
				Acronym				Name				
				CAAS			Chine	ese Academy of Agric	ultural Science	Presentation (*.doc, *.odt, *.pdf) Presentation (*.ppt, *.odp) Plain text (*.txt) Database (*.sql, *.mdb, etc) de Productos Andinos Contact Point Email w.rojas@proinpa.org Sciences Contact Point Email wubinah@yahoo.com.cn Institute Contact Point Email birte.komolong@nari.org.pg Scientists Contact Point Email pvritom@gmail.com mongok Contact Point Email jeantgk@gmail.com		
	NARES - National agricultural r extension services			Contact Point	Full Name				Contact Point Email			
					Wu E	lin			mpleted Document (*.doc, *.odt, *.pdf) mpleted Presentation (*.ppt, *.odp) leted Plain text (*.txt) ted Database (*.sql, *.mdb, etc) e estigación de Productos Andinos Contact Point Email w.rojas@proinpa.org e gricultural Sciences Contact Point Email wubinah@yahoo.com.cn e Research Institute Contact Point Email birte.komolong@nari.org.pg e griculture Scientists Contact Point Email pvritom@gmail.com e Centre, Semongok Contact Point Email jeantgk@gmail.com			
					Wo bill Wooling yalloo Collicti							
				Acronym				Name				
							Medi		aauah taatitut			
Current Partne	ers	NARES - National agricultural r	ecearch and	NARI			INdu	ional Agricultural Res	earth mstitut	e		
		extension services			Contact Point	t Full Name				Contact Point Email		
					Birte Kor	nolong			bir	te.komolong@nari.org.pg		
				Acronym				Name				
				SIAS			Saraw	vak Institute of Agricu	ulture Scientis	its		
		NGO_DO - Non-governn	nental									
		organization/Development or	rganization		Contact Point	Full Name				Contact Point Email		
					Mr. Paul Vind	ent Ritom				pvritom@gmail.com		
				Acronym				Name				
				DoA			Agric		tre. Semongo	k		
		GO - Government office/de	partment		Contact Point	Full Name			,			
					Teo Gien							
		Davidonment and avalanting of	odologies f	our of come	s in three second day	out eliment	anes	the relative to love	or of tradition	and crops including AUIC to		
Activity title		climate change conditions (Nepal, Ind		veys or communicies	s in three countries abo	out climate ci	ialige allu	the relative toleranc	es or tradition	ial crops including NOS to cope with		
CCAFS Objectiv (select from drop li		1.1 Adapted farming	systems		lestone No. details go to CCAFS 20		from drop GFRAME s			1.1.3 2012 (1)		
Activity objectives (what the activity aims to	Objective 1	Developing and testing highly particip rural poor within a climate change cor		y-based approaches	, methods and tools fo	or documenti	ng the curr	rent status of conserv	vation and use	e of traditional crops (NUS) relevant to t		
achieve)	Objective 2	Enhancing capacities of stakeholders i	n documenting, r	monitoring, conserv	ing and using local agre	obiodiversity	and associ	iated knowledge on f	arm;			
Activity status	s				Partially complet	ed						
Insert a small remark to status of the action		The Report presenting approaches, methods and tools has been delayed because the surveys to assess resilient crops were started later than expected. A graduate student is analyzing the data, and working on the report, which will be completed by June 2013.										

	Туре		Description		Year	Status	Format					
	Danasta publications		enting approaches, m		2012	Double III. communicated	Decument (* dec * edt * edf)					
	Reports, publications		n target countries with ve advantages and/or		2012	Partially completed	Document (*.doc, *.odt, *.pdf)					
		Comparati	ve auvantages anu/o	uisauvaiitages,								
Deliverables status												
(You may add any unexpected deliverable)		Survey	questionnaires to ass	sess status of								
			ration and use of trad									
	Reports, publications		comparative advanta		2012	Completed	Document (*.doc, *.odt, *.pdf)					
		productio	on systems, best pract opportunities.	ices, needs and								
			оррогинись:									
	Data		Survey data		2012	Completed	Spreadsheet (*.xls, *.ods)					
			Acronym			Name						
			PROINPA		Fundacion Pr	omocion e Investigacion de Proc	ductos Andinos					
	NGO_DO - Non-governmen	ital										
	organization/Development orga			Contact Point Full	Name		Contact Point Email					
				Contact i onit i un	·······		Contact i onit zinan					
				Ximena Cadin	na		x.cadima@proinpa.org					
				Allicia Cadi	110		x.cauma@prompa.org					
			Acronym			Name						
			ARC		Ag	riculture Research Centre, Semo	ngok					
	GO - Government office/depar	tment										
				Contact Point Full	Name		Contact Point Email					
				Teo Gien Kheng			jeantgk@gmail.com					
			•			N 1						
			Acronym			Name						
			SIAS		Sara	awak Institute of Agriculture Scie	entists					
	NGO_DO - Non-governmen											
	organization/Development orga	nization		Contact Point Full	Name		Contact Point Email					
				Mr. Paul Vincent	Ritom		pvritom@gmail.com					
			Acronym			Name						
			IUCN		Intern	ational Union for Conservation o	f Nature					
	NGO_DO - Non-governmen	ıtal	10011			ational officer for conservation o						
	organization/Development orga			Contact Point Full	Namo		Contact Point Email					
				Contact roint univaline Contact roint Entain								
				Rajendra Khanal			to facility and a second					
				кајепага кпа	nai		info@iucn.org.np					
		Acronym			Name							
			NARC		Nepal Agricultural Resarch Coun	l Resarch Council						
	NARES - National agricultural rese	earch and										
	extension services			Contact Point Full	Name		Contact Point Email					
				Keshab B. Koir	ala		ednarc@ntc.net.np					
			Acronym			Name						
Current Posts			LIBIRD		Local Initiativ	ves for Biodiversity Research and	Development					
Current Partners	NGO_DO - Non-governmen			Contact Point Full	Name		Contact Point Email					
	organization/Development orga	nization										
				Sajall Sthapi	t		ssthapit@libird.org					
			Acronym			Name						
					MA	S Swaminathan Research Founda	ation					
	NGO_DO - Non-governmen	ıtal										
	organization/Development orga			Contact Point Full	Name		Contact Point Email					
				Israel E.O. Kir	ng		ediok151173@gmail.com					
			Acron			Name						
			Acronym									
			ASA			Action for Social Advancement						
	NGO_DO - Non-governmen			Contact Point Full	Name		Contact Point Email					
	organization/Development orga	ilization		Ashis Monda	al		achic@acahhonal org					
				Asnis Monda	31		ashis@asabhopal.org					
			Acronym			Name	Name					
						Gene Campaign, India						
	NGO_DO - Non-governmen	ital		Contact Deint 5	Nama		Contact Boint Email					
	organization/Development orga			Contact Point Full	ivame		Contact Point Email					
				Dr Suman Sah	nai		mail@genecampaign.org					

		Acronym Nam						Name					
				INIAF			Instituto N	acional de Innovación	Agropecuaria	y Forestal			
		NARES - National agricultural rese extension services	earch and		Contact Point	t Full N	lame			Contact Point Email			
					Beatriz	Vino				vinobeatriz@gmail.com			
				Acronym				Name					
				FAO			Food and A	griculture Organizati	on of the Unit	ed Nations			
		Other			Contact Point	t Full N	lame			Contact Point Email			
					Kakoli (Gosh				Kakoli.Ghosh@fao.org			
			Acronym Nan										
				Acconym				Lucian Blaga Universi					
		Al - Academic Institution			Contact Point	t Full N	lame			Contact Point Email			
					Maria Mihae	ela Ant	ofie		mi	haela_antofie@yahoo.com			
				Activity N	No. 50								
				Activity	10. 30								
Activity title		Collection and analysis of information on acquisition, use, distribution, uptake of germplasm useful for climate change adaptation by Centre complement study of centres themselves in 2011]. Synthesis and analysis of policy significance of baseline survey results. Comparing those international levels. Identifying key policy challenges for centres (and partners) acquisition, use, diffusion of adapted germplasm.											
CCAFS Objectiv (select from drop li		1.1 Adapted farming sys	tems	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)						1.1.3 2012 (2)			
Activity objectives (what the activity aims to achieve)	Objective 1	To identify factors that influence nationa	ıl level germplası	level germplasm flows.									
Activity statu	5		Partially complet										
Insert a small remark to status of the acti (2-4 sentences required p	vity.	In 2011, we conducted surveys of CG sci in 19 countries, focusing on non-CG orga							eveloped a su	rvey instrument and identified respondents			
		Туре		Descriptio	n		Year	Statu	s	Format			
		Reports, publications	Vernooy, R. Journal of Pt 1	luzzi, G., Halewood, M., Lopez-Noriega, I., and nooy, R., 2012. Keeping germplasm flowing. nal of Public Interest in Intellectual Property, 2012 1(2), pp.1–13. Available at: 1//www.piipajournal.org/article/view/10698.				Completed	1	Document (*.doc, *.odt, *.pdf)			
		Reports, publications	Vernooy, I Welch, E., 20 plant genet p	R., Bertacchini, E. 112. Flows under			2012	Complete	1	Document (*.doc, *.odt, *.pdf)			
		Data	surveys, and		results, literature research conducted on CG centres		2012	Complete	1	Other			
		Model tools and software		ment for Phase 2 partners and oth	! focusing on centres' er users		2012	Complete	i	Other			
Deliverables sta		Communication products	entitled 'Tow Policy Age Climate Ch Thematic I Commons. Ki 12-14, 20 commons k http://www.y	rards a Global Sci nda for Mitigatin nange closing sess ASC Conference nowledge Comm 12. Available at 5.org/conferences	tch?feature=player_e		2012	Complete	i	Video (*.avi, *.mpeg, etc)			
(You may add any unexpected	a delivérable)	Communication products	relat http://ccafs.c	ted stresses in mu giar.org/blog/pla	ant breeders respond to climate- stresses in multiple ways. .org/blog/plant-breeders-respond- lated-stresses-various-ways				i	Blogpost			

		Communication products	geneba	oy. Access to genet nks –where are we c.cgiar.org/blog/slo genetic-resour	in the process? w-progress-access-	2012	Completed	Blogpost				
		Communication products	http://co	oy. Spotlight on poli breeders. cafs.cgiar.org/blog/ challenges-plant-b	spotlight-policy-	2012	Completed	Biogpost				
		Communication products	surveys, and	nalysis of survey r d complementary r 2 - focussing on Cen other users	research conducted atres' partners and	2013	Uncompleted	Spreadsheet (*.xls, *.ods)				
		Communication products		to implement seed	elp spur lawmakers I treaty. ate-change-models-	2012	Completed	Blogpost				
		Communication products	knowled http news/re	. Recognizing and p ge and rights: the p :://www.cgiar.org/c cognizing-and-pror ge-and-rights-the-p	colicy challenges. consortium- moting-farmers-	2012	Completed	Biogpost				
		Communication products		erfas. New climate .wordpress.com/20 change-tool	012/02/20/climate-	2012	Completed	Blogpost				
				Acronym			Name					
		Al - Academic Institution			Contact Point F	ull Name	University of Illinois	Contact Point Email				
					Eric Wel			ewwelch@uic.edu				
				Acronym			Name					
		NARES - National agricultural rese	arch and				oratories, Plant Genetic Resource	e fillinois Contact Point Email ewwelch@uic.edu e netic Resources Center, Entebbe Botanic Gardens Contact Point Email jwmulumba@yahoo.com e search Organization Contact Point Email ricogwal@yahoo.co.uk				
		extension services			Contact Point F John Wasswa N							
					jwmulumba@yahoo.com							
				Acronym			Name					
				NARO		National Agricultural Research Organization						
		NARES - National agricultural reservences	arch and		Contact Point F	ull Name	Contact Point Email					
		CACCISION SELVICES			Richard Og	gwal		ricogwal@yahoo.co.uk				
Current Partn	ers											
				ACODE ACODE		Advacatos	Name Coalition for Development and Er	nvironment				
		NARES - National agricultural rese	arch and	ACODE	Contact Point F		Coalition for Development and El	Contact Point Email				
		extension services			Ronald Nalu			r.naluwairo@acode-u.org				
				Acronym		Puranda Aariault	Name	d Animal Pocqueses				
		NARES - National agricultural rese	arch and		Contact Point F		Board, Ministry of Agriculture an	d Animal Resources Contact Point Email				
		extension services			Jean Rwihaniza			gapusirj@yahoo.fr				
					Scan (wind)			9-hasile tangent				
				Acronym			Name					
		Other			Contact Point F	iuli Nama	FAO Treaty Secretariat	Contact Point Email				
		Dr Shakeel I			pgrfa-treaty@fao.org							
				Activity N	o. 51							
Activity title	•	Collecting mission for Musa in identified a Centre, MusaNet and ProMusa through n						mation system, Musa Knowledge Resources				
CCAFS Objecti (select from drop		1.1 Adapted farming syst		CCAFS Mile		(select from dro	p list /	1.1.3 2013 (1)				
Activity objectives	Objective 1	To obtain a Musa diversity map based on			taken and predict its ev	olution based on Cli	mate Change models.					
(what the activity aims to achieve)	Objective 2	To develop an early rapid technique for d										
	Objective 3	To incorporate evalauation data (including abiotic data) in MGIS										

Activity statu	s					Completed								
Insert a small remark to status of the acti (2-4 sentences required p	vity.	scre the		ron and the M	usa germplasm Inforr	nation System was mo	dified	d in order to inclu			nge models. A rapid method for drought et include yet a large amount of abiotic data but			
			Туре		Description			Year	Sta	tus	Format			
			Reports, publications		g mission in areas of i areas) carried out. M			2013	Complet	ed	Document (*.doc, *.odt, *.pdf)			
Deliverables sta (You may add any unexpecte			Data	change commur	n on evaluation data easily accessible by u lity. Study case: An in diversity data agains scenarios.	sers of the Musa tegrated tool for		2013	Complet	eed	Presentation (*.ppt, *.odp)			
			Communication products	First dra	it of a standardized d screening proto		2013		Complet	ed	Document (*.doc, *.odt, *.pdf)			
					Acronym				Name	,				
								Indone	esian Tropical Frui	t Research	Institute			
			NARES - National agricultural res extension services	earch and		Contact Point F	Full N	ame			Contact Point Email			
Current Partne	rc					Catur Herm	nanto	,			c_her25@yahoo.com			
carrenerario					Acronym				Name		c_her25@yahoo.com			
									Katholieke Univer		n			
			Al - Academic Institution	1		Contact Point F	Full N	ame			Contact Point Email			
			Sebastien Carpentier							Set	pastien.Carpentier@biw.kuleuven.be			
			Activity No. 52											
Activity title			ating and sharing information on the imate change in 5 countries (PNG, N			nowledge in deploying	crop	diversity (especia	ally NUS) for stren	gthening ac	daptation and resilience of production systems			
CCAFS Objecti (select from drop la			1.1 Adapted farming sy	items	CCAFS Mile for further a	stone No. etails go to CCAFS 201.		select from drop D15 LOGFRAME si			1.1.3 2013 (3)			
	Objective 1	Ana	lyze and synthesize data on indigeno	us knowledge	and traditional crops	to learn more on its us	se for	adaptation and	resilience in prodi	uction syste	ms			
Activity objectives (what the activity aims to achieve)	Objective 2	Asse	ess how relevant knowledge is held t	y men and wo	men, what are the co	mplementarities amon	ng the	ese and how thes	e can be best har	nessed, valo	orized and promoted for more resilient systems			
ucnievej	Objective 3	Und	erstand critical factor impeding the	ull use of knov	vledge and develop p	olicy recommendation	ıs							
Activity statu	s					Partially complete	ed							
Insert a small remark to status of the acti (2-4 sentences required p	vity.		activity is well underway and most eects in a systematic way. The data g								hesized across countries and two different sare now available.			
			Туре		Description			Year	Sta	tus	Format			
			Reports, publications		Socio-economic re	ports		2013	Partially con	pleted	Select a format			
			Data	Database	on indigenous knowl crops and variet			2013	Uncomple	eted	Database (*.sql, *.mdb, etc)			
			Reports, publications	Draft o	f peer reviewed articl findings.	e to synthesize		2013	Uncomple	eted	Document (*.doc, *.odt, *.pdf)			
Deliverables sta (You may add any unexpected					10 cases on the use optation strategy feat 2012.			2013	Complet	red	Other			
		has bee Com Reports, publications pres			nalysis of the findings with recommendations been made in the paper "The Role of Regional mmunities in Climate Change Adaptation", resented at the 1st Regional conference on robiodiversity Conservation and sustainable utilization (RAC-1) 2012, Malaysia.			2012	Complet	ed	Document (*.doc, *.odt, *.pdf)			

		Acronym	Nam	Δ						
		PROINPA	Fundación para la Promoción e Inve							
	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email						
			Ximena Cadima	x.cadima@proinpa.org						
		Acronym ARC	Nam Agriculture Research							
	GO - Government office/department	7.11.0	Contact Point Full Name	Contact Point Email						
			Teo Gien Kheng	jeantgk@gmail.com						
		Acronym	Nam	e						
		LIBIRD	Local Initiatives for Biodiversity	Research and Development						
Current Partners	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email						
									Sajall Sthapit	ssthapit@libird.org
		Acronym	Nam MS Swaminathan Res							
	NGO_DO - Non-governmental		wis swammathan nes	earth Foundation						
	organization/Development organization		Contact Point Full Name	Contact Point Email						
			Israel E.O. King	ediok151173@gmail.com						
		Acronym	Nam							
		ASA	Action for Social	Advancement						
	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email						
			Ashis Mondal	ashis@asabhopal.org						
		Acronym	Nam	e						

						Activity N	o. 53						
Activity title	2	Ana	alysis of gender disaggregated data a	bout percep	tions	s, crops/varieties,	uses and management	t prac	ctices and their re	lation to climate	change adar	otatio	n in Nepal, India, Bolivia, Sarawak
CCAFS Objecti (select from drop I			1.1 Adapted farming sy	stems			estone No. details go to CCAFS 20:		(select from drop 2015 LOGFRAME s				1.1.3 2013 (4)
Activity objectives	Objective 1	Gai	n better understanding of gender pe	rceptions acr	oss c	countries and regi	ons						
(what the activity aims to	Objective 2	Ide	ntification areas of attention for futu	re R&D inter	venti	ions.							
achieve)	Objective 3	Dev	relop recommendations for decision	makers.									
Activity statu	ıs						Partially complete	ed					
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity) A graduate student is working on analyzing the survey data, and will write the related report in 2013. Data analysis is nearly complete for Bolivia and has been initiated for Sarawak. In Bolivia (Cochabamba district) we have set up different structures of challi that combine resistant with susceptible potato cultivars to pest and disease in different proportions.													
			Туре			Description	1		Year	St	atus		Format
			Data			ed on gender-rela atin America and s	ted surveys carried outh/ East Asia		2013	Partially co	mpleted		Spreadsheet (*.xls, *.ods)
Deliverables sta			Reports, publications			n analyses of gen m Latin America a	der related data nd south/ East Asia		2013	Partially co	mpleted		Document (*.doc, *.odt, *.pdf)
(You may add any unexpected deliverable)		ı	Reports, publications differe resistant		In Bolivia (Cochabamba district) we have set up different structures of ch'alis that combine resistant with susceptible potato cultivars to Pest and Disease in different proportions. In 2013 the				2013	Partially co	mpleted		Document (*.doc, *.odt, *.pdf)
Reports, publications Socio economic report in PNG including gender disaggregated data.					2013	Partially co	mpleted		Document (*.doc, *.odt, *.pdf)				
				Acronym						Nan	ne		
				PI				F	undación para la	Promoción e Inv	estigación d	e Proc	ductos Andinos
			NGO_DO - Non-governmental organization/Development organization				Contact Point	Full I	Name				Contact Point Email
			Ximena C					adim	lima x.cadima@proinpa.org				

		Acronym	Nan	ne
		ARC	Agriculture Research	Centre, Semongok
	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email
			Teo Gien Kheng	jeantgk@gmail.com
		Acronym	Nan	ne
		LIBIRD	Local Initiatives for Biodiversity	Research and Development
	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email
			Sajal Sthapit	ssthapit@libird.org
		Acronym	Nan	ne
			MS Swaminath	an Research
Current Partners	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email
			Israel E.O. King	ediok151173@gmail.com
		Acronym	Nan	
	NGO_DO - Non-governmental		Action for Social Ad	vancement (India)
	organization/Development organization		Contact Point Full Name	Contact Point Email
			Ashis Mondal	ashis@asabhopal.org
		Acronym	Nan	
	NGO_DO - Non-governmental		Oxfam	NOVID
	organization/Development organization		Contact Point Full Name	Contact Point Email
			Gigi Manicad	Gigi.Manicad@oxfamnovib.nl
		Acronym	Nan	
	NGO_DO - Non-governmental		Gene Car	npaign
	organization/Development organization		Contact Point Full Name	Contact Point Email
			Dr Suman Sahai	mail@genecampaign.org

		Activity No. 54									
Activity title	•	Selection of promising genebank accessions of durum wheat and barley for climate change adaptation in Ethiopia and buckwheat and oats in China on the basis of their passport data, current and future climate profiles.									
CCAFS Objecti (select from drop i		1.1 Adapted farming systems CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet) 1.1.3 2014 (1)									
	Objective 1	Provide options to local farmers for income generation through developing participatory methodologies to evaluate genetic diversity of buckwheat and oat for adaption to climate change, screening local varieties with resistance to biotic and abiotic stresses, and piloting good practice in use of crop genetic diversity to adapt to climate change;									
	Objective 2	Improve the breeding of buckwheat and oat through integrating phenotypes and genotypes of resistant traits (resistance to pest, disease, drought, etc);									
Activity objectives (what the activity aims to achieve)	Objective 3	Advance the knowledge and ability of young scientists and local communities in using crop genetic diversity to adapt to climate change through training activities. The project aims to promote the use of crop genetic diversity to adapt to climate change, and contribute to food security and sustainable agricultural development in China									
acnieve)	Objective 4	Provide options to local farmers for income generation through developing participatory methodologies to evaluate genetic diversity of buckwheat and oat for adaption to climate change, screening local varieties with resistance to biotic and abiotic stresses, and piloting good practice in use of crop genetic diversity to adapt to climate change;									
	Objective 5	Improve the breeding of buckwheat and oat through integrating phenotypes and genotypes of resistant traits (resistance to pest, disease, drought, etc);									
	Objective 6	Advance the knowledge and ability of young scientists and local communities in using crop genetic diversity to adapt to climate change through training activities.									
Activity status		Completed									
Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity)		The 2012 deliverables have been completed. An Atlas on the use of climatic groups of different accessions of barley and durum wheat is almost completed. The survey on wild diversity of buckwheat was carried out in Liangshan District, Sichuan. Seventy-six samples of wild buckwheat species were collected. Impacts of drying conditions caused by climate change and other factors on wild relatives of buckwheat are under assessment, and a strategy of in situ conservation of wild buckwheat is being drafted. Multiplication trials for screening of buckwheat and oat germplasm were conducted in more than ten sites in China and data on morphological characters of 100 accessions of buckwheat and 100 accessions of oat have been analyzed to identify the most adaptable accessions for climate change. Farmers have been involved in the evaluation of buckwheat and oat germplasm in the fields. With Diva-GIS and integrated weather data, the model of possible impact of climate change on distribution of buckwheat and oat in China has been generated.									

	Туре		Description			Year		Status	Format	
	Data		Promising accessions of durum wheat and barley in Ethiopia and buckwheats and oats in China identified.			2012		Completed	Other	
	Capacity	1 Chinese	young scientist traine in situ managem			2012		Completed	Plain text (*.txt)	
	Model tools and software		the most adaptable and oat produced us			2012		Completed	GIS vector (shapefiles)	
	Workshops	China	national Oat Conferer 1, 20-23 June 2012. Th participants from 24 c	ere were 280		2012		Completed	Presentation (*.ppt, *.odp)	
Deliverables status	Reports, publications	1-2 Peer-reviewed papers published				2012		Completed	Document (*.doc, *.odt, *.pdf)	
(You may add any unexpected deliverable)	Model tools and software	Participatory methodologies for evaluating and identifying accessions of buckwheat and oat to adapt to climate change developed				2013	Part	ially completed	Document (*.doc, *.odt, *.pdf)	
	Model tools and software	Methodologies integrating phenotype and genotype of the biotic or abiotic traits of buckwheat and oat determined				2014	Part	ially completed	Document (*.doc, *.odt, *.pdf)	
	Workshops	The national symposium on buckwheat and oat took place from 21-23 December 2012. There were 120 participants.				2012		Completed	Presentation (*.ppt, *.odp)	
	Select a data type		c traits of buckwheat trials for adapative r climate chang	nodel ananlysis for		2013	Partially completed		Spreadsheet (*.xls, *.ods)	
	Reports, publications	Report on	present and future of barley accessi			2013	Part	ially completed	Document (*.doc, *.odt, *.pdf)	
			Acronym		Name					
	AI - Academic Institution			Contact Poin	ıt Full I	Institute of Biodiversity and Conservation Full Name Contact Point Email				
				Alganesh	Tesen	na			alganeshgellaw@yahoo.com	
			Acronym					Name		
			CAAS				Institute o	f Crop science of CAA	s	
	AI - Academic Institution			Contact Poin		Name			Contact Point Email	
Current Partners				Wu	Bin				wubinah@yahoo.com.cn	
			Acronym					Name		
							jiakou Aca	demy of Agricultural		
	AI - Academic Institution			Contact Poin Tian Ch					Contact Point Email tcy5221436@sohu.com	
				10.1 61	-01				,	
			Acronym					Name		
	AI - Academic Institution			Contact Poin			ny of Agricu	iltural and Animal Hu	sbandry Sciences Contact Point Email	
				Ding S					dingsr@126.com	
			Activity No	o. 55						
Activity title	Systematic review of literature on the use of agricultural biodiversity for risk management and adaptation to climate change									
CCAFS Objective (select from drop list)	1.1 Adapted farming sys	tems	CCAFS Mile for further a	stone No. letails go to CCAFS 2		(select from drop 1015 LOGFRAME			1.1.3 2015 (1)	
Activity objectives (what the activity aims to achieve) Objective 1	To review the effectiveness of economic	and biotic dive	ersification by smallho	older farmers as a sti	rategy	to manage clima	ate risk			
Activity status				Partially comple	eted					
	The initial work was completed; however, the work was amended to include the development of a database. A first draft has been done and will be published as a CCAFS working paper. A relation database is under development to be used by a community of practices. A final paper will be prepared to be published in a peer-reviewed journal.									

		Туре		Description		Year	Status	Format		
		Reports, publications	needs. This	review and identific work has a strong li ent) and results will a the leader of The	nk to Theme 2 (risk also be reported to	2012	Completed	Document (*.doc, *.odt, *.pdf)		
Deliverables st: (You may add any unexpecte		Reports, publications	To submit a	paper on peer revie findings of the wor		2012	Uncompleted	d Plain text (*.txt)		
		Data		The development of a relational database to be used by community of practice, embedded within the AMKN website.		2013	Partially comple	ted Database (*.sql, *.mdb, etc)		
				Acronym			Name			
						Columbia Univer	rsity			
		AI - Academic Institution						Contact Point Email		
			Kevin Co			ey		kcoffey@iri.columbia.edu		
			Acronym				Name			
Current Partn	ers	CO. CO!AD C	ICRAF G - CGIAR Center Contact Point			.II Nama	World Agroforestry			
		CG - CGIAR Center	CG - CGIAR Center Contact Pc Henry					Contact Point Email h.neufeldt@cgiar.org		
						ciut		mineurelation Egial. Org		
			Acronym			Name				
				ILRI		Inter	national Livestock Res	ck Research Institute		
		CG - CGIAR Center			Contact Point Fu	Contact Point Email				
					Mariana Ru	m.rufino@cgiar.org				
Activity title	e e	Case studies on informal seed systems co	nducted, ident	Activity No		ation.				
CCAFS Objecti (select from drop		1.1 Adapted farming syst	ems	for further of	e stone No. details go to CCAFS 2012	(select from drop - 2015 LOGFRAME s		1.1.3 2015 (3)		
Activity objectives	Objective 1	Insights in the climatic/varietal diversity to	o which farmer	rs have access in diff	erent geographic conte	xts				
(what the activity aims to achieve)	Objective 2	Preliminary insights into the contribution								
ucilieve)	Objective 3	Insights to inform the design of interventi	ions to improve	e informal seed syste	ems and link them to fo	rmal seed systems				
Activity statu					Partially completed					
Insert a small remark to status of the act (2-4 sentences required)	ivity.	A technical donor report out	tlines the recor	mmendations on info	ormal seed systems in B	olivia. A study in Lat	in America will comm	ence in 2013, and the report will follow.		
		Туре		Description		Year	Status	Format		
		Reports, publications	Repo	ort on informal syste	m in Bolivia	2012	Completed	Document (*.doc, *.odt, *.pdf)		
	Deliverables status ('ou may add any unexpected deliverable) Reports, publications			s on informal system American count		2013	Uncompleted	d Plain text (*.txt)		
				Acronym PROINPA		Fundación para la	Name	ación de Productos Andinos		
Current Partn	ers	NARES - National agricultural rese- extension services	arch and	FNUINPA			r romocion e investiga			
					Contact Point Fu Wilfredo Ro			Contact Point Email w.rojas@proinpa.org		
					wiiireuo Ko	nju s		w.гојазლргоппра.org		



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.

					,	Activity No. 61						
Activity title		Tools	s for stakeholder adaptation planning for M	lusa a	nd its pests and	diseases, cocoa and o	coconut					
CCAFS Objective (select from drop list)			1.2 Breeding strategie:	s		CCAFS Milesto list / for fu	rther details	(select fr go to CCAFS 2012 - 2 ME sheet)			1.2.1 2015 (3)	
	Objective 1		ts of climate change modeled and validated nut suitability, taking into account monthly					oups of Musa, taking	into account mo	nthly rainfall distrib	ution and extreme weather events, b.) cocoa and	
Activity objectives	Objective 2	Effe	cts of climate change on geographic distribu	ution	and severity of r	major pests and disea	ses of Musa	modeled and validat	tion begun at glob	oal, regional and nat	ional levels	
(what the activity aims to achieve)	Objective 3		of growing conditions on yields modeled basested through modeling and existing field d		on alternative M	lusa crop growth/pro	duction mod	els (integrated and f	or specific growtl	n factors) for major	cultivar groups and potential adaptation approaches	
	Objective 4	Stake	eholder (global, regional and national) plans	, participatory tools	s and workshops);							
Activity status						Pa	rtially comp	leted				
Insert a small remark to indicat of the activity. (2-4 sentences required per o		base repre in As	tools for stakeholder-based adaptation planning advanced from a conceptual framework based on climate change and weather variability applied to ecological hierarchies on several fronts. A ROP were identified and tested with data from Asia. The banana mapping tool is on line and mapping is in progress based on 47 variables which will allow the delimitation of homologue and to multiple factors beyond climate. Reviews were carried out of pest and disease models and ideotype and banana models in terms of their data needs compared with existing data sets. Ba sentatives in Asia met through BAPNET to review approaches to regional collaboration for climate change adaptation of the banana sector. A keynote address entitled - Banana growers facia and the Pacific: planning adaptation to uncertainty, weather variability and extreme events – highlighted opportunities for collaborative approaches to planning climate change adaptation in 200 banana specialists held back to back with the banana network meeting.									
			Туре			Description		Year		Status	Format	
			Model tools and software		mapping current in tropics and su of climate ch suitability mapp on banana pr	Iternative approaches t crop suitability for b ubtropics and incorpo nange scenarios into c ping to project impact roduction suitability u ry banana mapping si	ananas ration rop of CC sing	2013	Partially	completed	Document (*.doc, *.odt, *.pdf)	
			Capacity		organized by application and	ntory of banana production practices ganized by ecological hierarchy of ation and response to climate change, variability and extreme events.			Unco	mpleted	Plain text (*.txt)	
			Model tools and software		of climate cha liseases compile	ernative modeling approaches for impact of climate change on banana pests and asses compiled and tested for nematodes, weevils, BLS.			Con	ppleted	Document (*.doc, *.odt, *.pdf)	
Deliverables status (You may add any unexpected de			Capacity		Inventory of national partner human resources and programs on commodity crops and climate change.			2013	Partially	completed	Spreadsheet (*.xls, *.ods)	
			Workshops		West Africa an change ada	a workshops in Asia, E d Latin America on cli aptation in banana wi ncorporated into regi website.	mate th	2013	Partially	completed	Document (*.doc, *.odt, *.pdf)	
			Data		and CIALCA, co entered into Agr existing banana	us yield trials, includin ompiled through part trials and analyzed an a and ideotype model n of crop modeling str	ners, d with s used	2013	Con	npleted	Spreadsheet (*.xls, *.ods)	
			Data	commodity pro diversity with ide	urrent cocoa and coc oduction areas and sp entification of approa p suitability for cocoa coconut.	ecial ches to	2013	Partially	completed	Plain text (*.txt)		
			Select a data type		Participatory ba	inana mapping site av globally.	ailable	2012	Con	npleted	Select a format	
						Acronym MUSALAC		Panar- D-	arch and Develo	Name	atin America and the Caribbean	
			Research_Network - Research ne	twork		MUSALAC	Contact Poi	Banana Resea	nen and Develop	ment Network for L	Contact Point Email	
							Mario	Orozco			orozco.mario@inifap.gob.mx	
		Acronym Name										
			Research_Network - Research ne	twork	(BARNESA	Contract		anana Research N	letwork for Eastern	and Southern Africa Contact Point Email	
								int Full Name Niyongere			cniyongere@yahoo.fr	

	Acronym		Name	
	BAPNET		Banana Asia-Pacific Network	
Research_Network - Research network		Contact Point Full Name	Contact Point Ema	ail
		Dr. Chih-Ping Chao	cpchao_tbri@yahoo.co	om.tw
	Acronym		Name	
	IITA		rnational Institute of Tropical Agriculture	
CG - CGIAR Center		Contact Point Full Name	Contact Point Ema	
		Piet J.A. Van Asten	p.vanasten@cgiar.c	org
	Acronym		Name	
	CIAT	Co	tro Internacional de Agricultura Tropical	
CG - CGIAR Center	CDVI	Contact Point Full Name	Contact Point Ema	ail
		Julian Ramirez	j.r.villegas@cgiar.o	
		Januaritarinica	Jviiicgas@cgidi.co	
	Acronym		Name	
			University of Western Australia	
ARI - Advanced Research Institution		Contact Point Full Name	Contact Point Ema	ail
		David William Turner	david.turner@uwa.ed	du.au
	Acronym		Name	
ARI - Advanced Research Institution			ensland Department of Primary Industries	
ANT - Advanced Nesearch histotolon		Contact Point Full Name Tony Pattison	Contact Point Ema	
		Tony Patuson	tony.pattison@daff.qld.	.gov.au
	Acronym		Name	
	CacaoNet	Glo	pal Network for cacao genetic resources	
Research_Network - Research network		Contact Point Full Name	Contact Point Ema	ail
		Martin Gilmour	martin.gilmour@effen	n.com
	Acronym		Name	
	COGENT	The inte	rnational coconut genetic resources network	
Research_Network - Research network		Contact Point Full Name	Contact Point Ema	ail
		George Thomas	georgevthomas@yaho	o.com
	Acronym		Name	
			Innovate Plantain - Africa	
Research_Network - Research network		Contact Point Full Name	Contact Point Ema	311

Current Partners



Indian Council of Agricultural Research

Contact Point Email

2012 Technical Report per Activity

CCAFS Center Led Activities
Bioversity International

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.

Gathering socially differentiated knowledge on local seed distribution and flows (seed systems) and documentation of the effectiveness of these seed systems in climate change adaptation strategies Activity title in PNG (sweet potato and taro) and in Ethiopia (wheat and barley), in Sarawak (rice) and in Bolivia (potatoes) CAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet) **CCAFS Objective** CCAFS Milestone No. 1.3 Policies and institutions for adaptation 1.3.1 2013 Objective 1 To understand the crop systems and productivity Activity objectives Objective 2 To understand local seed systems (what the activity aims to achieve) Objective 3 To understand farmers' knowledge of climate change and link it to the seed system **Activity status** Partially completed status of the activity. A PhD student has collected all of the data. The reports will be completed by the summer of 2013. Data are under analysis. Description Year Status Format Type Critical review of the functioning of local seed systems, Document (*.doc. *.odt. *.ndf) Reports, publications their constraints and potential to deliver seed under 2012 Partially completed climate change conditions in Ethiopia and PNG; **Deliverables status** Crop production areas under threat identified (Ethiopia and PNG), together with varieties likely to be best adapted under future climatic conditions Model tools and software Image (*.jpg, *.png, etc) Acronym Institute for Biodiversity Conservation IBC NARES - National agricultural research and Contact Point Full Name Contact Point Email Alganesh Tesema alganeshgellaw@yahoo.com Acronym NARI National Agricultural Research Institute **Current Partners** NARES - National agricultural research and Contact Point Full Name Contact Point Email Birte Komolong birte.komolong@nari.org.pg

			Dr. K. C. Bansal	kailashbansal@hotmail.com							
	Activity No. 63										
Activity title	•	Organization of national and local workshops in at least t	wo countries to share findings and discuss strategies for enhancing seed system	s based on gender-sensitive approaches							
CCAFS Objecti (select from drop)		1.3 Policies and institutions for adaptation	CCAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet)	1.3.1 2013							
	Objective 1	Organization of farmers field days and diversity seed fairs									
Activity objectives	Objective 2	Establishment of community seed banks/community ban	ks								
(what the activity aims to	Objective 3	Establishment of Farmers Climate Field Schools									
achieve)	Objective 4	Organization of national workshops									
	Objective 5	Organization of public awareness workshops									
Activity statu	ıs		Partially completed								

Contact Point Full Name

ICΔR

NARES - National agricultural research and

(2-4 sentences required p										
		Туре		Description	on	Year	Status	Format		
		Reports, publications	characteriz	g accessions from ger ed (inc. using partici	nebanks evaluated and patory approaches and ble women's groups)	2013	Completed	Document (*.doc, *.odt, *.pdf)		
Deliverables st a You may add any unexpecte		Reports, publications	about o	climate change risks. g how use of better-a	adapted varieties and can support vulnerable	2013	Partially completed	Document (*.doc, *.odt, *.pdf)		
				Acronym ICAR		India	Name	Research		
		NARES - National agricultura		ICAIN	Contact Point Full		in council of Agricultural	Contact Point Email		
		extension service	es		N.K. Krishna Ku			ddghort@gmail.com		
					Time No Simo No			augnorte grianicon		
				Acronym			Name			
		NADEC Matie of the Control	al receases as i	IBC	tute for Biodiversity Cons					
		NARES - National agricultura extension service			Contact Point Full			Contact Point Email		
Current Borton	ars				Alganesh Tese	ma		alganeshgellaw@yahoo.com		
Current Partne				Acronym	Name					
						Mekelle University				
		NARES - National agricultura extension service		Contact Point Full Name				Contact Point Email		
					Dejene Kassahun			dejenekmh@gmail.com		
				Acronym ABCIC		African Biodiy	Name ersity Conservation and I	and Innovations Centre		
		NGO_DO - Non-gover		Albert	Contact Point Full		croscy conscivation and i	Contact Point Email		
		organization/Development	torganization		Dan Kiambi			d.kaimbi@abcic.org		
				Activity N	lo. 64					
Activity title		Development of a regional strategic institutional analysis, participatory		RFA management for	climate change adaptation	in Mesoamerica	climate change impact ar	nd climate information needs studies, policy a		
Activity title CCAFS Objecti (select from drop l	ve		discussion and desig	RFA management for graph processes, expert of the control of the c	climate change adaptation consultations, case studies	(select from drop lis	t/for	nd climate information needs studies, policy a		
CCAFS Objecti (select from drop) Activity objectives	ve	institutional analysis, participatory 1.3 Policies and institution To sustain food security and livelihe	discussion and designs for adaptation bods under changing and the interdependent of the control	RFA management for graph processes, expert of the further disconditions dence of countries or	climate change adaptation consultations, case studies stone No.	(select from drop lis 015 LOGFRAME she vation, use of and a	t/for et) ccess to Mesoamerican P			
CCAFS Objecti (select from drop) Activity objectives	ve ist)	institutional analysis, participatory 1.3 Policies and institution To sustain food security and livelih crop gene pools (e.g. maize, beans) security in Mesoamerica as well as i	discussion and designs for adaptation and the interdependent of the other regions of the discount of the regions of th	CCAFS Mile further d countries on eworld.	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consern in these, the project will cortain the constant of t	(select from drop lis 015 LOGFRAME she vation, use of and a ttribute to the adap	t / for et) ccess to Mesoamerican P tation of agricultural syst	1.3.3 2013 GRFA. Given the global relevance of several n		
CCAFS Objecti (select from drop I Activity objectives what the activity aims to	ve (ist) Objective 1 Objective 2	institutional analysis, participatory 1.3 Policies and institution To sustain food security and livelih crop gene pools (e.g. maize, beans) security in Mesoamerica as well as i	discussion and designs for adaptation and the interdependent of the other regions of the discount of the regions of th	CCAFS Mile further d countries on eworld.	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consern in these, the project will cortain the constant of t	(select from drop lis 015 LOGFRAME she vation, use of and a ttribute to the adap	t / for et) ccess to Mesoamerican P tation of agricultural syst	1.3.3 2013 GRFA. Given the global relevance of several nitems to changing climates and therefore to foot global relevance.		
CCAFS Objecti (select from drop I Activity objectives what the activity aims to achieve)	ve (ist) Objective 1 Objective 2 Is indicate the ivity.	institutional analysis, participatory 1.3 Policies and institution To sustain food security and livelih crop gene pools (e.g. maize, beans) security in Mesoamerica as well as i	discussion and designs for adaptation and designs for adaptation and the interdepenin other regions of the ies formulate and er and coordinated in all coordinated in letting the ies formulate and er and coordinated in letting by spring 201:	CCAFS Mile guinatic conditions dence of countries on the world. Address a strategic act pplementation of price 3. Baseline data colle	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consen these, the project will continue plan which outlines key ority regional and national Completed	(select from drop lis 015 LOGFRAME she vation, use of and a ttribute to the adap v research and polic v research and polic actions for strength	t / for et/) ccess to Mesoamerican P tation of agricultural syst y priorities for the coming ening conservation, use of the coming conservation and the coming conservation are conservation.	1.3.3 2013 IGRFA. Given the global relevance of several nate in the state of the s		
CCAFS Objecti (select from drop l (select from drop l Activity objectives what the activity aims to achieve) Activity statu usert a small remark to status of the act	ve (ist) Objective 1 Objective 2 Is indicate the ivity.	institutional analysis, participatory 1.3 Policies and institution To sustain food security and liveliho crop gene pools (e.g. maize, beans) security in Mesoamerica as well as it To have regional and national entiti guide countries in the identification Activities are on schedule for comp	discussion and designs for adaptation and designs for adaptation and the interdepenin other regions of the ies formulate and er and coordinated in all coordinated in letting the ies formulate and er and coordinated in letting by spring 201:	CCAFS Mile guinatic conditions dence of countries on the world. Address a strategic act pplementation of price 3. Baseline data colle	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consen these, the project will cortion plan which outlines key ority regional and national Completed consultation and diagnostic analys, stakeholder consultation	(select from drop lis 015 LOGFRAME she vation, use of and a ttribute to the adap v research and polic v research and polic actions for strength	t / for et/) ccess to Mesoamerican P tation of agricultural syst y priorities for the coming ening conservation, use of the coming conservation and the coming conservation are conservation.	1.3.3 2013 IGRFA. Given the global relevance of several nate in the state of the s		
CCAFS Objecti (select from drop l (select from drop l Activity objectives what the activity aims to achieve) Activity statu usert a small remark to status of the act	ve (ist) Objective 1 Objective 2 Is indicate the ivity.	Institutional analysis, participatory 1.3 Policies and institution To sustain food security and liveliho crop gene pools (e.g. maize, beans) security in Mesoamerica as well as it To have regional and national entitinguide countries in the identification Activities are on schedule for comp stakeholder consultation took place	discussion and designs for adaptation and the interdepen in other regions of the interdepen in other regions and the interdepen interdepen in other regions in other regi	CCAFS Mile g climatic conditions dence of countries on the world. a. Baseline data colle ject progress report Descriptic Leterm report, First St Farmers's Consultati	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consen these, the project will cortion plan which outlines key ority regional and national Completed consultation and diagnostic analys, stakeholder consultation	(select from drop lis 015 LOGFRAME she vation, use of and a ttribute to the adap v research and polic v research and polic actions for strength sis were finalized ac report, numerous n	t / for et) ccess to Mesoamerican P tation of agricultural syst y priorities for the coming ening conservation, use of the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming conservation are stated to the coming conservation and the coming conservation are stated to the coming con	1.3.3 2013 IGRFA. Given the global relevance of several meters to changing climates and therefore to form the several meters to changing climates and therefore to form the several meters of the several meters of several meters		
CCAFS Objecti (select from drop l (select from drop l Activity objectives what the activity aims to achieve) Activity statu nsert a small remark to status of the act (2-4 sentences required p	Objective 1 Objective 2 Objective 2 Is indicate the livity.	Institutional analysis, participatory 1.3 Policies and institution To sustain food security and liveliho crop gene pools (e.g. maize, beans) security in Mesoamerica as well as it To have regional and national entitinguide countries in the identification Activities are on schedule for comp stakeholder consultation took place	discussion and designs of adaptation and designs for adaptation and the interdepen in other regions of the season	CCAFS Mile g climatic conditions dence of countries on the world. dorse a strategic act plementation of prior Descriptic Leterm report, First St Farmers's Consultati documents prepared	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consen these, the project will correct on plan which outlines key ority regional and national Completed section and diagnostic analys, stakeholder consultation on takeholder Consultation ion report. Maps and 1 for diagnostic studies urse (GIS) and Policy	(select from drop lis 015 LOGFRAME she vation, use of and a stribute to the adap v research and polic actions for strength sis were finalized ac report, numerous n	ccess to Mesoamerican P tation of agricultural syst y priorities for the coming ening conservation, use of ross all areas of PGRFA co	1.3.3 2013 IGRFA. Given the global relevance of several meters to changing climates and therefore to for global several policy in the SA of and access to Mesoamerican PGRFA. In the SA of and access to Mesoamerican PGRFA.		
CCAFS Objecti (select from drop l (select from drop l Activity objectives what the activity aims to achieve) Activity statu nsert a small remark to status of the act (2-4 sentences required p	Objective 1 Objective 2 Objective 2 Is indicate the livity.	institutional analysis, participatory 1.3 Policies and institution To sustain food security and livelih crop gene pools (e.g. maize, beans) security in Mesoamerica as well as i To have regional and national entiti guide countries in the identification Activities are on schedule for comp stakeholder consultation took place Type Reports, publications	discussion and designs for adaptation and designs for adaptation and the interdepen in other regions of the season	CCAFS Mile g climatic conditions dence of countries on hadorse a strategic act plementation of prio Descriptic Leterm report, First St Farmers's Consultati documents prepared tal methods short co	climate change adaptation consultations, case studies stone No. letails go to CCAFS 2012 - 20 based on improved consern these, the project will corn these, the project will corn plan which outlines key ority regional and national completed section and diagnostic analyst, stakeholder Consultation on the consultation to the consultation on the consultation of the	(select from drop lis D15 LOGFRAME she ration, use of and a attribute to the adap of research and polic actions for strength sis were finalized ac report, numerous n Year 2012	ccess to Mesoamerican P tation of agricultural syst y priorities for the coming ening conservation, use of ross all areas of PGRFA co apps and documents are: Status Completed	1.3.3 2013 GRFA. Given the global relevance of several intems to changing climates and therefore to follow the service of the		

		Acronym	Na	me	
		FPMA	Programa Colaborativo de Fitomejora	miento Participativo en Mesoamérica	
	NGO_DO - Non-governmental organization/Development organization		Contact Point Full Name	Contact Point Email	
			Sergio Romeo Alonzo	alonzo.sergio@gmail.com	
		Acronym	Na		
	NGO_DO - Non-governmental	Asocuch	Asociación de organizacion	nes de los Chuchumatanes	
	organization/Development organization		Contact Point Full Name	Contact Point Email	
			Sergio Romeo Alonzo	alonzo.sergio@gmail.com	
		Acronym	Na		
		CONARFIP	Comisión Nacional de Recurs		
	GO - Government office/department	CONARFIP	Contact Point Full Name	Contact Point Email	
	oo covernment omeey department				
			Roberto Mancilla	rmancilla@mida.gob.pa	
		Acronym	Na		
		MAGA		Ganadería y Alimentación	
	GO - Government office/department		Contact Point Full Name	Contact Point Email	
			Samuel Ajquejay	sammyajqujay@gmail.com	
		Acronym	Na	me	
		DICTA	Dirección de Ciencia y T	ecnología Agropecuaria	
	NARES - National agricultural research and extension services		Contact Point Full Name	Contact Point Email	
Current Partners			Elizabeth Santacreo	esantacreo@yahoo.com	
		Acronym	Na	me	
		SNICS	Servicio Nacional de Inspecci	ción y Certificación de Semillas	
	NARES - National agricultural research and extension services		Contact Point Full Name	Contact Point Email	
			Enriqueta Molina	enriqueta.molina@snics.gob.mx	
		Acronym	Na	me	
			Oficina Nacional de S	emillas de Costa Rica	
	GO - Government office/department		Contact Point Full Name	Contact Point Email	
			Walter Quirós	wquiros@ofinase.go.cr	
				, .	
		Acronym	Na	me	
		CATIE	Centro Agronómico Tropical		
	AI - Academic Institution	CATIE	Contact Point Full Name	Contact Point Email	
	711 Freddeline Institution				
			William Solano	wsolano@catie.ac.cr	
		Acronym	Na	me	
		Actonym			
	RO - Regional Organization		Interamerican Institute fo		
	RO - Regional Organization		Contact Point Full Name	Contact Point Email	
			David Williams	david.williams@iica.int	
		Acronym	Na	me	
				/alle, Guatemala	
	Al - Academic Institution		Universidad del Contact Point Full Name	/alle, Guatemala Contact Point Email	
	AI - Academic Institution				
	Al - Academic Institution		Contact Point Full Name	Contact Point Email	
	Al - Academic Institution		Contact Point Full Name	Contact Point Email	
	Al - Academic Institution		Contact Point Full Name Silvana Maselli	Contact Point Email	
	AI - Academic Institution	Activity N	Contact Point Full Name Silvana Maselli	Contact Point Email	
Activity title ev	rata gathering and synthesis as part of development of i	Activity N technical reports to of adapted germplas	Contact Point Full Name Silvana Maselli o. 65 the meetings of bodies created under the CGRFA, Treaty Gc sm, and benefit sharing to the meeting of the Ad Hoc Open	Contact Point Email smaselligua@gmail.com verning Body, and CBD COP including policy brief and side	
Activity title ev	nata gathering and synthesis as part of development of i	Activity N technical reports to of adapted germplas iversity policy work	Contact Point Full Name Silvana Maselli o. 65 the meetings of bodies created under the CGRFA, Treaty Gosm, and benefit sharing to the meeting of the Ad Hoc Open at Treaty and Commission to UNFCCC.	Contact Point Email smaselligua@gmail.com	

Completed

Activity status

Insert a small remark to indicate the status of the activity.

Multiple interventions were made in 2012 which contributed towards the completion of this activity and the related deliverables (first drafts of technical papers, policy brief, side event). Details are included within the deliverables below. Of note, in addition to preparing the policy brief for the ITPGRFA meeting 'Open Ended Working Group on Sustainable Use of PGRFA', numerous interventions were made during the meeting in line with the content of the brief, with emphasis on the need to consider use of agrobiodiversity for climate change adaptation. The final report of the meeting, including survey and indicators for sustainable use of flant senetic resources includes consideration of use of those resources for adaptation for climate change.

(2-4 sentences required per activity)	including survey and indicators for sustai	inable use of pla	nt genetic resources i	ncludes consideration o	f use of those resour	ces for adaptation for climate	e change.		
	Туре		Description		Year	Status	Format		
	Reports, publications	Distribution Varieties Procument), Ad Hoc Advis Material T System, Ro http://www.	ood, 2012. Collection, on through the SMTA. I teteted by Plant Brees Developed for the Fc sory Technical Commi fransfer Agreement ai me, Italy, 6-7 October planttreaty.org/sites, w6e.pdf [Accessed 11	of samples of Plant der's Rights (Working burth meeting of the ittee on the Standard and the Multilateral r 2012. Available at: /default/files/ACSMT	2012	Completed	Document (*.doc, *.odt, *.pdf)		
	Communication products	Side event	t presentation at COP Hyderabad, Ind		2012	Completed	Plain text (*.txt)		
Deliverables status (You may add any unexpected deliverable)	Communication products	Intergovernn Novemb Reformed resea http://	nized side event at the nental Technical Work er 15, 2012, Rome, en CGIAR with emphasis rarch", featuring Frank www.fao.org/agricult nes/theme/seeds-pgr/	king Group on PGRFA, htitled 'The Newly s on PGRFA related k Rijsberman . ure/crops/core-	2012	Completed	Document (*.doc, *.odt, *.pdf)		
	Communication products	session of t Group on Po 'The Newly I related r Available	ortium Blogpost relate the Intergovernmenta GRFA, November 15, i Reformed CGIAR with esearch", featuring Fi e at: http://www.cgiar iking-stock-itpgrfa-ani [accessed 15 Januar	2012, Rome, entitled emphasis on PGRFA rank Rijsberman . r.org/consortium- d-the-new-cgiar/	2012	Completed	Blogpost		
	Reports, publications	Halewood, N New strategi of pla http://www		and Galluzzi, G., 2012. or the sustainable use Available at: al.org/index.php?id= pi1[showUid]=7061	2012	Completed	Document (*.doc, *.odt, *.pdf)		
	Communication products Contrib				2012	Completed	Document (*.doc, *.odt, *.pdf)		
			Acronym			Name			
			,			CGIAR Consortium Office			
Current Partners CG - CGIAR Center				CGIAR Consorti Contact Point Full Name			Contact Point Email		
				Elise Perse			e.perset@cgiar.org		

Research work, with teams of national partners in India and Nepal, concerning variables relevant to the manner in which countries implement the Treaty's multilateral system of access and benefit sharing for the exchange of germplasm useful to climate change adaptation. Participatory processes - stakeholder consultation, workshops, high level meetings -- to obtain relevant information, Activity title linkages to other relevant policy-making activities and buy-in from competent authorities. CAFS Milestone No. (select from drop list / for further details go to CCAFS 2012 - 2015 LOGFRAME sheet) **CCAFS Objective** CCAFS Milestone No. 1.3.3 2015 1.3 Policies and institutions for adaptation **Activity objectives** To identify the key factors that influence the effective implementation of the Treav's MLS achieve) **Activity status** Completed National meetings were held in Nepal and India. In Nepal, the report from the planning workshop to kick-off the project, "Strengthening national capacities to implement the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)" or "GRPI2", summarizes the policy, research and capacity development activities that the team from Nepal and partner organizations will Insert a small remark to indicate the status of the activity. (2-4 sentences required per activity) jointly carry out. In India, research papers were generated by the research partners in India and the Treaty Secretariat. A manuscript, based on these papers and the workshop, is ready for publication pending approval from the Indian National partners (ICAR).

	Туре		Descriptio	n	Year	Statu	ıs	Format
	Reports, publications	concerning the Treaty's	g issues relevant to t multilateral system. and draft policies de	and research papers he implementation of Policy options identied veloped and mpetant authorities.	2015	Partially comp	oleted	Select a format
	Workshops	Kathmani http://grp		ted blog available at: !012/07/06/national-	2012	Complete	d	Blogpost
	Workshops	the Internat and benef Delhi, fr "Strategies t	cional Treaty's multil it-sharing in India" h om 23-25 January, for implementing the	egies for implementing ateral system of access seld at NBPGR in New 2012, in New Delhi. Le International Treaty's and benefit-sharing in	2012	Complete	·d	Plain text (*.txt)
Deliverables status (You may add any unexpected deliverable)	Reports, publications		s of the Indian Natic ending approval by	nal workshop drafted, Director of ICAR.	2013	Partially comp	bleted	Plain text (*.txt)
	Reports, publications	implement Resources f project plan http://www ersity/publid _capacities_ n_Plant_Ger [Note: thii.	the International Tr or Food and Agricult ning workshop, 6-10 Italy. bioversityinternatic cations/pdfs/1503_5 to_implement_the_ netic_Resources_for .pdf?cache=1348	fic to Nepal, but also	2012	Complete	rd	Document (*.doc, *.odt, *.pdf)
	Reports, publications	capacities Plant Ger Report Wo http://www ersity/public _workshop_	to implement the In netic Resources for F of the Research Plai rkshop, 2-4 May 201 bioversityinternatic cations/pdfs/1536_I May_2012.pdf?cacl	12, Rome, Italy. onal.org/fileadmin/biov Report_GRPI2_ITPGRFA ne=1344241746 [Note: pal, but also applies to	2012	Complete	d	Document (*.doc, *.odt, *.pdf)
			Acronym ICAR		Indi	Name an Council of Agricul	tural Research	
	NARES - National agricultural rese extension services	arch and		Contact Point Fu			turur neseuren	Contact Point Email
				Dr. S. Ayyapı	oan			dg-icar@nic.in
			Acronym			Name		
			NBPGR		National E	Sureau of Plant Gene	tic Resources (India)
	NARES - National agricultural rese extension services	arch and		Contact Point Fu	ll Name			Contact Point Email
				K.C Bansa	ı			director@nbpgr.ernet.in
			Acronym			Name		
			MOAC		Ministry	of Agriculture and Co	ooperatives (N	epal)
	GO - Government office/depar	tment		Contact Point Fu			L	Contact Point Email
				Bidya Pandi	ey		bid	yapandey2004@yahoo.com
			Acronym			Name		
	NARES - National agricultural rese	arch and	NAGRC			l Agriculture Genetic	Resources Cer	
Current Partners	extension services			Contact Point Fu				Contact Point Email
				Madan Raj Bh	atta		m	adan_bhatta@yahoo.com

				Acronym			Name		
				NARC		National	Agricultural Researc	ch Council (N	epal)
		NARES - National agricultural rese extension services	arch and		Contact Point Ful	ll Name			Contact Point Email
					Devendra Gau	chan		dev	andragauchan1@yahoo.co.uk
				Acronym			Name		
		NGO_DO - Non-governmen	tal	LIBIRD			for Biodiversity Res	earch and De	
		organization/Development organ			Contact Point Ful				Contact Point Email
					Shreemam Prasad	Neopane			sneopane@libird.org
				Acronym		Name	Name		
				PPV&FRA	Protection	nd Farmers' Rights A	Authority, Mi	nistry of Agriculture, India	
		NARES - National agricultural rese extension services	earch and		Contact Point Ful				Contact Point Email
					P.L. Gautar	n			rg-ppvfra@nic.in
				Activity No. 67					
Activity title			climate change a	adaptation. Particip	oatory processes - stakeho				teral system of access and benefit sharing o obtain relevant information, linkages to
CCAFS Objective (select from drop list)		1.3 Policies and institutions for	adaptation	CCAFS Miles	stone No. etails go to CCAFS 2012 - 2	(select from drop lis 2015 LOGFRAME she			1.3.3 2015
Activity objectives (what the activity aims to achieve)	ojective 1	To identify the key factors that influence	the effective imp	plementation of the	e Treay's MLS				
Activity status					Completed				
Insert a small remark to indica status of the activity. (2-4 sentences required per acti	ate the	The report from the planning workshop (started and will jointly carry out. A trainir tool was used to identify analogue sites in	ng workshop on t	the climate analogu	ue tool was held with proj	ect partners from Ug	anda and Rwanda.	Starting with	three reference sites from each country, the
		Туре		Descriptio	n	Year	Statu	ıs	Format
		Reports, publications	concerning i the Treaty identified	issues relevant to t y's multilateral syst d and draft policies	s and research papers he implementation of tem. Policy options introduced to and ational authorities.	2015	Select a sta	tus	Select a format
		Workshops			g Workshop' held oroject partners from vanda.	2012	Complete	d	Document (*.doc, *.odt, *.pdf)
Deliverables status (You may add any unexpected delive	erable)	Reports, publications	R. Vernooy. Strengthening national capacities to implement the International Treaty on Plant Genetic Resources for Food and Agriculture. Report of the first project planning workshop, 6-10 February 2012, Rome, Italy. http://www.bioversityinternational.org/fileadmin/biov ersity/publications/pdfs/1503_Strengthening_ national_capacities_to_implement_the_International_Treaty_o n_Plant_Genetic_Resources_for_Food_and_Agriculture_pdf?cache=1348567652 [Note: this publication is specific to Uganda, but also applies to Activities 66 (Nepal only), 68 and 69.]					Document (*.doc, *.odt, *.pdf)	
		Reports, publications	capacities to Plant Gene Report o Work http://www.b ersity/publica _workshop_N this publicati	o implement the In etic Resources for F of the Research Plai kshop, 2-4 May 201 bioversityinternatio ations/pdfs/1536_f May_2012.pdf?cacl	onal.org/fileadmin/biov Report_GRPI2_ITPGRFA he=1344241746 [Note: ganda, but also applies	2012	Complete	d	Document (*.doc, *.odt, *.pdf)

				Acronym		Name				
					National Agricult	ural Research Labora	tories, Plant Genetic Resources	Center, Entebbe Botanic Gardens		
		NARES - National agricultural rese extension services	arch and		Contact Point Full	Name		Contact Point Email		
					John Wasswa Mu	lumba		jwmulumba@yahoo.com		
				Acronym			Name			
				NARO		Nationa	l Agricultural Research Organiza	ation		
Current Partne	ers	NARES - National agricultural rese extension services	arch and		Contact Point Full	Name		Contact Point Email		
					Richard Ogw	al		ricogwal@yahoo.co.uk		
			Acronym				Name			
			ACODE			Advocates Co	alition for Development and Er	vironment		
		NARES - National agricultural rese extension services	arch and		Contact Point Full	Name		Contact Point Email		
					Ronald Naluwa	airo		r.naluwairo@acode-u.org		
				Activity N	0.68					
				Activity N	0.00					
Activity title			adaptation. Particip	atory processes - stakehol			ilateral system of access and benefit sharing to obtain relevant information, linkages to			
CCAFS Objecti (select from drop I		1.3 Policies and institutions for	adaptation	CCAFS Miles further de	tone No. etails go to CCAFS 2012 - 20	(select from drop list 015 LOGFRAME shee		1.3.3 2015		
Activity objectives (what the activity aims to achieve)	Objective 1	To identify the key factors that influence	the effective imp	plementation of the	e Treay's MLS					
Activity statu	s			Completed						
Insert a small remark to status of the acti (2-4 sentences required p	ivity.	Survey and consultation process, includin Development Institute. In addition, there					versity International and the M	alaysian Agricultural Research and		
		Туре		Description	n	Year	Status	Format		
		Reports, publications	concerning i the Treat identified, dr	issues relevant to the ty's multilateral syst raft policies develop	and research papers ne implementation of sem. Policy options sed, and introduced to national authorities.	2015	Partially completed	Document (*.doc, *.odt, *.pdf)		
		Workshops	Implementat	nal Stakeholders' W tion of the ITPGRFA Malaysia 14-15 Ma	/MLS', Kuala Lumpur,	2012	Completed	Plain text (*.txt)		
Deliverables sta	atus.	Reports, publications	Multilatera Bioversity II Agricultural http://www.b s/publication,	al System of Access nternational, Rome I Research Developi Lumpar, Mala bioversityinternatio /issue/malaysias_ir	implementation of the and Benefit-sharing, , Italy and Malaysian ment Institute, Kuala ysia. mal.org/nc/publication inplementation_of_the_and_benefit_sharing.h	2012	Completed	Document (*.doc, *.odt, *.pdf)		
You may add any unexpecte		Communication products	http://grpi2. malaysias-im	of Access and Benef wordpress.com/20	12/12/19/new-paper- ne-multilateral-system-	2012	Completed	Blogpost		
		Communication products	http://grp	Malaysian con ii2.wordpress.com/	nt and control' in the stext 2012/03/16/under- e-malaysian-context/	2012	Completed	Blogpost		

		Reports, publications	R. Vernooy. Strengthening n implement the International Tr. Resources for Food and Agricult project planning workshop, 6-10 Italy. http://www.bioversityinternatic ersity/publications/pdfs/1503_5_capacities_to_implement_the_plant_Genetic_Resources_for_pdfs_1504_food_food_food_food_food_food_food_foo	reaty on Plant Genetic ture. Report of the first of behruary 2012, Rome, onal.org/fileadmin/biov Strengthening_national International_Treaty_o _Food_and_Agriculture 3567652 c to Malaysia, but also	2012	Completed	Document (*.doc, *.odt, *.pdf)		
			Acronym			Name			
Current Partne	rs	Al - Academic Institution	1	Contact Point Full Singh Professor Guro					
			Activity N	lo 69					
Activity title			artners in Cote d'Ivoire and Burkina germplasm useful to climate change	Faso, concerning variables adaptation. Participatory p	orocesses - stakeh		ment the Treaty's multilateral system of access , high level meetings — to obtain relevant		
CCAFS Objectiv (select from drop li		1.3 Policies and institutions for	cCAFS Miles	s tone No. (. etails go to CCAFS 2012 - 20	select from drop li D15 LOGFRAME sh		1.3.3 2015		
Activity objectives (what the activity aims to achieve)	Objective 1	To identify the key factors that influence	e the effective implementation of the	e Treay's MLS					
Activity status	s			Completed					
Insert a small remark to i status of the action (2-4 sentences required po	vity.		n Plant Genetic Resources for Food a	and Agriculture" (link below			if the project, "Strengthening national capacities capacity development activities that teams		
		Туре	Descriptio	n	Year	Status	Format		
		Reports, publications	National 'stock taking' surveys concerning issues relevant to t the Treaty's multilateral syst identified, draft policies develop and considered by competant	he implementation of tem. Policy options ped, and introduced to	2015	Partially completed	Document (*.doc, *.odt, *.pdf)		
Deliverables sta (You may add any unexpected		Reports, publications	R. Vernooy. Strengthening n implement the International Tr Resources for Food and Agricult project planning workshop, 6-10 taly. http://www.bioverstyinternatic ersity/publications/pdfs/1503_ _capacities_to_implement_the_ n_Plant_Genetic_Resources_for_ pdf?cache=1348 [Note: this publication is specifi- and Burkino Faso, but also ap (Nepal only), 67. 67.	reaty on Plant Genetic ture. Report of the first 1 February 2012, Rome, onal.org/fileadmin/biov Strengthening_national International_Treaty_o Food_and_Agriculture 9567692 and Pariculture to to both Cote D'Ivoire uplies to Activities 66	2012	Completed	Document (*.doc, *.odt, *.pdf)		
, and any antique to		Reports, publications	R. Vernooy and M. Halewood. Scapacities to implement the In Plant Genetic Resources for F. Report of the Research Plan Workshop, 2-4 May 201 http://www.bioversityinternaticersity/publications/pdfs/1536_F_workshop_May_2012.pdf?cacl this publication is specific to b Burkina Faso, but also applies only), and 6	nternational Treaty on ood and Agriculture. nning and Training 12, Rome, Italy. onal.org/fileadmin/biov Report_GRPI2_ITPGRFA he=1344241746 [Note: oth Cote D'Ivoire and to Activities 66 (Nepal	2012	Completed	Document (*.doc, *.odt, *.pdf)		
		Workshops	National workshop held in Ouga from 22 - 24 October 2012. Trip request.	Report available upon	2012	Completed	Plain text (*.txt)		
		Workshops	National workshop held in Abidj 17-21 October 2012. Trip Re request.	port available upon	2012	Completed	Plain text (*.txt)		

		•	None		
		Acronym	Nam		
	NARES - National agricultural research and		National Commission of Sustainable Development (Cote d'Ivoire)		
	extension services		Contact Point Full Name	Contact Point Email	
		Bernard Brou		broubernardca@yahoo.fr	
		Acronym	Name		
			National Center for Ag	gronomic Research	
	NARES - National agricultural research and extension services		Contact Point Full Name	Contact Point Email	
			Edmond Kouablan Koffi	kofiedmond@yahoo.fr	
		Acronym	Nam	e	
		CNRA	University of Abobo-Ad	jamé (Cote d'Ivoire)	
	AI - Academic Institution		Contact Point Full Name	Contact Point Email	
			Dr. Gustave Aboua	abouagustave@gmail.com	
Current Partners					
Current Partners		Acronym	Nam	e	
		SP/CONAGRE P	Secretariat Permanent Commission Nationale	de Gestion des Ressources Phytogénétiques	
	NARES - National agricultural research and extension services		Contact Point Full Name	Contact Point Email	
			Didier Balma	balma_didier@yahoo.fr	
		Acronym	Nam	Name	
			Université de Ouagado	ugou (Burkino Faso)	
	Al - Academic Institution		Contact Point Full Name	Contact Point Email	
			Mahamoudou Zongo	zongomahamadou@yahoo.fr	
		Acronym	Nam	e	
			Ministry of Agricultu	rre, Cote D'Ivoire	
	NARES - National agricultural research and extension services		Contact Point Full Name	Contact Point Email	
			Fataye Akamou	akamoufataye@yahoo.fr	



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.

Activity title		Varietal diversification to manage climate risk in East Africa									
CCAFS Objective (select from drop list)			2.1 Identify and test innovations that enable rural communities to better manage climate-related risk and bui more resilient livelihoods						2.1.3 2013 (1)		
Activity objectives	Objective 1	Assessment of current varietal diversity and its climate risk management and adaptation potential and the					tial and the needs	the needs for strengthening farmers' varietal portfolios, disaggregated by gender.			
(what the activity aims to achieve)	Objective 2	Quantitative validation of the varietal diversification approach to reduce climate vulnerability.									
Activity statu	s	Partially completed									
Insert a small remark to status of the acti (2-4 sentences required p	vity.	This activity started in October. The promising accessions for adaption to climate change were selected. The bulk of the work will take place during 2013, and the pand database will follow in 2014.						013, and the peer-reviewed publications			
			Туре		Description	1	Year		Status		Format
Deliverables status (You may add any unexpected deliverable)			Reports, publications	Report on the current varietal diversity and its climate risk management and adaptation potential and the needs for strengthening farmers' varietal portfolios, including an analysis of the local seed system and gender-spec		2013	U	Incompleted		Document (*.doc, *.odt, *.pdf)	
			Reports, publications	mate manag evaluation the pot	t on the identification of the control of the contr	e climate risk ion needs, their overall appraisal of ach, including a	2013	Part	ially completed		Document (*.doc, *.odt, *.pdf)
			Reports, publications	Report on the quantitative ex-ante analysis of the impact of crop and varietal diversification or yield and income levels and variability, given climate and price variability.			2013	U	Incompleted		Document (*.doc, *.odt, *.pdf)
			Reports, publications	A peer-reviewed article submitted in early 2014, based on outputs 1 and 2.			2014	U	Incompleted		Document (*.doc, *.odt, *.pdf)
			Data	Databases of the survey and trial results made available online.			2014	U	Uncompleted		Database (*.sql, *.mdb, etc)
Acronym Name											
Current Partners							ntro Interna	Internacional de Agricultura Tropical			
			CG - CGIAR Center	Contact Point Full Name Contact Point Email							
Juli Cite i di Cite					Acronym				Name		
								iodiversity (ersity Conservation and Innovations Centre		
			NGO_DO - Non-government organization/Development organ	Contact Point Full Name				Contact Point Email			
					Dan Kiambi						d bloombil@abata.com



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 Center Led Activities

Bioversity International

Theme 1. Adaptation to Progressive Climate Change

ton of farming systems in the face of future uncertainties of climate in space and time 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

Output 1.1.1 Development of farming systems and production technologies adapted to climate change conditions in time and space through design of tools for improving crops, livestock, agronomic and natural resource management practices

Crop informatics work is progressing well. A workshop served to build agreement among breeders about the traits to be included in the crop ontology. The ontology was further developed (different crops, multiple languages) and further implemented in AgTrials and Bioversity's Collection Missions Database.

The different field activities are producing a stream of phenotypic evaluation data of farmer varieties, and in some cases molecular data as well. The work will strengthen the scope of predictive characterization and is making progress to create mechanisms to evaluate the impact of diversity on the adaptive capacity of crop production systems. This work is now expanding with an eye on climate risk management and upscaling/crowdsourcing (Activity under Theme 2).

In 2011, we conducted surveys of Go scientists on the use of plant genetic recoverse for climate charge adaptation. Besults were published accompanied by coverage through social media. We developed a survey instrument, and identified respondents in 19 countries, florusing on non-CG organizations, as part of the second phase of the research. The survey using this instrument will be conducted in 2013.

Output 1.1.3 New knowledge, guidelines and access to germplasm are provided for using genetic and species diversity to enhance adaptation, productivity and resilience to changing climate with benefits for socially marginal groups.

Our methodological report on the use of local knowledge on crop diversity for climate change adaptation has been delayed because the surveys to assess resilient crops were started later than expected. Data analysis and write-up should be concluded in the coming months. Several socio-economic reports on the use of agricultural socio-economic rep

Objective 1.2 Develop breeding strategies for addressing ablotic and biotic stresses induced by future climatic conditions, variability and extremes, including novel climates of countries of the countries of th

Output 1.2.1 Understanding and evaluating the response of different varieties/crops to climate change in time and space, and generating comprehensive strategies for crop improvement through a combination of modeling, expert consultation and stakeholder dialogue

The tools for stakeholder-based adaptation planning advanced from a conceptual framework based on climate change and weather variability applied to ecological hierarchies on several fronts. Alternatives to ECOCROP were identified and tested with data from Asia. The banana mapping tool is on line and mapping is in progress based on 47 variables which will allow the delimitation of homologue and analogue zones based on multiple factors beyond climate. Reviews were carried out of pest and disease models and ideotype and banana models in terms of their data needs compared with existing data sets. Banana country representatives in Asia met through BAPNET to review approaches to regional collaboration for climate change adaptation of the banana sector.

Outcome 1.3: Improved adaptation policies from local to international level supporting farming communities, rural institutions and food system actors adapted to future climate conditions in at least 20 countries.

Output 1.3.1 Improved institutional arrangements and socially differentiated adaptation planning approaches at the local level to enable farming system adaptationstrategies for crop improvement through a combination of modeling, expert consultation and stakeholder dialogue

are a succinct summary of ities and deliverables, organised utput level of the CCAFS

Terms of reference and workplans were developed with the partners from Cote D'Noire and Burkina Faso. The report from the planning workshop to kick-off the project, "Strengthening national capacities to implement the International Treaty on Plant Genetic Resources for Food and Agriculture" or GRPI2, summarizes the policy, research and capacity development activities that teams from Cote D'Noire and Burkina Faso and the partners organizations will jointly carry out.

utput 1.3.2 Public and private sector policies and strategies at the national level to enable farming communities and the food system to adapt to predicted future conditions

Propert is succinct summary of exhibition and indentify a number of initial region. With a focus shifted towards use and seed systems in the region, with a focus shifted towards use and seed systems in the region, with a focus shifted towards use and seed systems in the region and identify a number of initial region. And a more efficient use of scarce resources to run the system. The Action Plan for Mesoamerica will produce a roadmap to achieve this vision and identify a number of initial region. And a more efficient use of scarce resources to run the system. The Action Plan for Mesoamerica will produce a roadmap to achieve this vision and identify a number of initial region. And a more efficient use of scarce resources to run the system. The Action Plan for Mesoamerica will produce a roadmap to achieve this vision and identify a number of initial region.

Output 1.3.3 Policies to enable access to and use of genetic resources for climate change adaptation research, and diffusion of adapted germplasm strategies for crop improvement through a combination of modeling, expert consultation and stakeholder dialogue

As 2012 progressed, we deepened, and expanded beyond our original plans, our work with partners in eight countries regarding the use of plant genetic resource diversity to adapt to climate changes, and putting policies in place to support those uses. We developed common terms of reference for activities boussed on a) analyzing changes in climate over the last 50 years in key sites in the countries and linking that his or information on crop and production system changes, b) using the climate parallel plant of produces the countries and linking that have been developed, of seeking to obtain, 0, if seeking to obtain, 0, if seeking to obtain this germplant mort motion gas and benefit sharing, e) introducing it into local germplant evaluation and corp improvement programs, and f) using information and perspectives gleaned from these experiences to identify most appropriate mechanisms for identifying and obtaining germplant mortal plants. The contribution of access and benefit sharing, evaluation and color into proving an experience of access and benefit sharing under the international riversety. To his end, in addition to reporting outs activities in 10 years. As a contribution of access and benefit sharing under the international riversety. To his end, in addition to reporting outs activities in 10 years. As a contribution of access and benefit sharing under the international riversety. To his end, in addition to reporting outs and review of the color o

Theme 2. Adaptation through Managing Climate Risk

Objective 2.1 Identify and test innovations that enable rural communities to better manage climate-related risk and build more resili

nonstration of the feasibility, acceptability and impacts; of innovative risk management strategies and actions for socially-differentiated rural communities

The activity on crop varietal diversification in East Africa was initiated in October 2012. We prepared and signed the Letters of Agreement with partner organizations. Promising accessions for adaption to climate change were identified. The bulk of the work will take place during 2013, with the peer-reviewed publications and database following in 2014.



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.

Publication 1	Туре	Citation identifier							
	Journal papers	http://caod.oriprobe.com/articles/29426012/Construction n and Application of SSR Molecular Markers System f							
		in the Application of SSR Molecular markers System 1							
	Citation								
	Fan, G.A.O., Zongwen, Z. and Bin, W.U., 2012. Construction and application of SSR molecular markers system for genetic diversity analysis of Chinese tartary buckwheat germplasm resources. Scientia Agricultura Sinica, 45(6), pp.1042–1053. Available at: http://caod.oriprobe.com/articles/29426012/Construction_and_Application_of_SSR_Molecular_Markers_System_for								
	_Genet.htm.								
	Туре	Citation identifier							
	Journal papers	http://www.piipajournal.org/article/view/10698							
Publication 2	Citation								
	**Galluzzi, G., Halewood, M., Lopez-Noriega, I., and Vernooy, R., 2012. Keeping germplasm flowing. Journal of Public Interest in Intellectual Property, 1(2), pp.1–13. Available at: http://www.piipajournal.org/article/view/10698.								
	Туре	Citation identifier							
	Journal papers	http://dx.doi.org/10.1080/15427528.2011.609928							
	Citation								
		Citation							
Publication 3	Improvement, 26(3), pp.329–345. Availa	ite change and the conservation of plant genetic resources. Journal of Crop							

	Type Citation identifier							
Publication 4	Working papers http://hdl.handle.net/10568/21225							
	Citation							
	Lopez-Noriega, I., Galluzzi, G., Halewood, M., Vernooy, R., Bertacchini, E., Gauchan, D. and Welch, E., 2012. Flows under stress: availability of plant genetic resources in times of climate and policy change, Available at: http://hdl.handle.net/10568/21225.							
	en et a de autra							
	Type Citation identifier Inttp://www.bioversitymidentifications.ni1%5RshowLiid%5D=6847 Ruser bioversitymidlications.ni1%5RshowLiid%5D=6847							
	Citation							
Publication 5	Padulosi, S., Bergamini, N. and Lawrence, T. (eds., 2012). On farm conservation of neglected and underutilized species: trends and novel approaches to cope with climate change. Proceedings of an International Conference. Frankfurt (Germany), 14-16 Jun 2011, Bioversity International. Available at: http://www.bioversityinternational.org/index.php?id=19&user_bioversitypublications_pi1[showUid]=6847.							
	Type Citation identifier Conference proceedings http://www.bioversityinternational.org/index.php?id=19 &user bioversitypublications pi1%5BshowUid%5D=6847							
	Citation							
Publication 6	Padulosi, S., and Dulloo, E., 2012. Towards a viable system for monitoring agrobiodiversity on-farm: a proposed new approach for Red Listing of cultivated plant species. In On farm conservation of neglected and underutilized species: trends and novel approaches to cope with climate change. Proceedings of an International Conference. Frankfurt (Germany), 14-16 Jun 2011. (Padulosi, S.; Bergamini, N.; Lawrence, T. (eds.)). Bioversity International, pp. 171–187. Available at: http://www.bioversityinternational.org/index.php?id=19&user_bioversitypublications_pi1%5BshowUid%5D=6847							
	Type Citation identifier							
	Journal papers http://dx.doi.org/10.3389/fphys.2012.00326							
	Citation							
Publication 7	**Shrestha, R., Matteis, L., Skofic, M., Portugal, A., McLaren, G., Hyman, G. And Arnaud, E., 2012. Bridging the phenotypic and genetic data useful for integrated breeding through a data annotation using the Crop Ontology developed by the crop communities of practice. Frontiers in Physiology, 3(August), p.Article 326. Available at: http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3429094&tool=pmcentrez&rendertype=abstract [Accessed December 7, 2012].							
	Type Citation identifier							
	Other Other www.pgrsecure.bham.ac.uk/sites/default/files/document s/newsletters/CWR Issue 8.pdf							
Publication 8	Citation							
	Thormann, I., 2012. Applying FIGS to crop wild relatives and landraces in Europe. Crop Wild Relative, 8, pp.14–16. Available at: www.pgrsecure.bham.ac.uk/sites/default/files/documents/newsletters/CWR_Issue_8.pdf.							

Citation identifier Type http://caod.oriprobe.com/articles/29117088/Identificatio Journal papers n of Genetic Diversity and Redundancy in Recently Co <u>llect.htm</u> Citation **Publication 9** Wang, Y., Zhang, Z., Li, G., Zhang, E. and Wu, B., 2012. Identification of genetic diversity and redundancy in recently collected oat accessions. Journal of Plant Genetic Resources, 13(1), pp.16-21. Available at: http://caod.oriprobe.com/articles/29117088/Identification_of_Genetic_Diversity_and_Redundancy_in_Recently_Coll ect.htm. Citation identifier Type Journal papers http://dx.doi.org/10.1007/s11032-010-9525-y Citation **Publication 10** **Wu, B., Lu, P. and Zhang, Z., 2012. Recombinant microsatellite amplification: a rapid method for developing simple sequence repeat markers - Springer. Molecular Breeding, 29(1), pp.29–53. Available at: http://link.springer.com/article/10.1007/s11032-010-9525-y/fulltext.html. Citation identifier Type Journal papers http://dx.doi.org/10.3732/ajb.1100404 Citation **Publication 11** **Wu, B., Zhang, Z., Chen, L. and He, M. 2012. Isolation and characterization of novel microsatellite markers for Avena sativa (Poaceae) (oat). American Journal of Botany, 99(2), pp.69-71. Available at: http://www.ncbi.nlm.nih.gov/pubmed/22275767 [Accessed January 8, 2013]. Citation identifier Type http://www.bioversityinternational.org/index.php?id=19 Policy briefs &user bioversitypublications pi1[showUid]=7061 Citation **Publication 12** Vernooy, R.; Halewood, M.; López-Noriega, I.; and Galluzzi, G., 2012. New strategies and partnerships for the sustainable use of plant genetic resources. [Policy Brief] Bioversity International, Rome, Italy. 4 pp. Available at: http://www.bioversityinternational.org/index.php?id=19&user_bioversitypublications_pi1[showUid]=7061 [accessed 11 January 2013]. Citation identifier Type http://www.routledge.com/books/details/978184407893 **Book chapters** 6/ Citation **Publication 13** Ramirez, M., Ortiz, R., Taba, S., Sebastian, L., Williams, D., Ebert, A., and Vezina, A., 2013. Demonstrating interdependence on plant genetic resources for food and agriculture. In Crop genetic resources as a global commons: challenges in international law and governance. (Halewood, M. et al. (eds.)). Earthscan p. 39-61 ISBN:9781844078929

Type

Book chapters

Citation identifier

http://www.routledge.com/books/details/978184407893

6/

Publication 14

Citation

interdependence in the face of climate change. In Halewood M. et al (Eds), Crop Genetic Resources as a Global Commons. Challenges in International Law and governance. Routledge. London. Available at: http://www.routledge.com/books/details/9781844078936/

Type

Citation identifier

Working papers

http://www.planttreaty.org/sites/default/files/ACSMTAM LS4w6e.pdf

Publication 15

Citation

M. Halewood, 2012. Collection, Conservation and Distribution through the SMTA of samples of Plant Varieties Protected by Plant Breeder's Rights (Working Document), Developed for the Fourth meeting of the Ad Hoc Advisory Technical Committee on the Standard Material Transfer Agreement and the Multilateral System, Rome, Italy, 6-7 October 2012. Available at: http://www.planttreaty.org/sites/default/files/ACSMTAMLS4w6e.pdf [Accessed 11 January 2013].

Туре

Citation identifier

Journal papers

http://dx.doi.org/10.1080/14735903.2012.691221

Publication 16

Citation

**Mijatovic, D.; Van Oudenhoven, F.; Eyzaguirre, P.; Hodgkin, T.(2012). The role of agricultural biodiversity in strengthening resilience to climate change: towards an analytical framework. International Journal of Agricultural Sustainability. Online first: 19 Jun 2012: ISSN:1473-5903

(co-supported with CRP WLE)

Type

Citation identifier

Journal papers

http://link.springer.com/article/10.1007%2Fs1

Citation

Publication 17

Thormann, I.; Gaisberger, H.; Mattei, F.; Snook, L.; Arnaud, E.(2012). Digitization and online availability of original collecting mission data to improve data quality and enhance the conservation and use of plant genetic resources. Genetic Resources and Crop Evolution 59(5): p. 635-644 ISSN:0925-9864. Available online: http://link.springer.com/article/10.1007%2Fs10722-012-9804-z#

(co-supported with CRP WLE)



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 Center Led Activities Bioversity International

	Title Author								
Farmers' View		iversity Choices in Papua New for Gender?	Guinea: What	Stella Nordhagen					
Туре		Date (DD/MM/YYYY)	Countries						
Social differ	entiation and gender	31/01/2012		Papua New Guinea (PNG)					
Keywords									
	Crop Choice, Ag	robiodiversity, Gender		See "Bioversity's annexes " on the CCAFS intra					
Introduction	/Objectives (400 charac	ters)							
farmer crop v	The majority of the population in PNG is dependent on subsistence agriculture using crop diversity. Bioversity is working on the reintroduction and improved use of farmer crop varieties through systematic participatory evaluation (Seeds for Needs). To understand better the socio-economic context, a study was done. The objective of this study was to examine farmers' reasons for crop choice and diversity maintenance, with particular attention to gender.								
Description o	of the project,procedure	s etc. (1100 characters)							
A literature review of resources held in the PNG-specific collection at Australia National University was carried out to understand existing knowledge of gender roles in crop choice in PNG, in preparation for fieldwork. For fieldwork, the innovative Q methodology was chosen as it enables quantitative results on highly qualitative, subjective topics. Between August and November 2012, interviews were conducted with 92 farmers (50 women, 42 men), across four sites in both highland and lowland areas. Individual and group interviews, including farm tours, were also conducted. The data were then analysed using PQMethod and StataSE10 software packages. Multiple typologies of farmers, with different motivations for crop choices, were revealed.									
Project resul	Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)								
Farmer typologies include those that placed greater weight on marketing than conservation; those for whom image or status concerns were crucial; and those focussed on experimentation and novelty. Consumption values and household self-sufficiency were universal motivators, as was resilience to environmental (including climate) change. Significant differences were found between men and women, with women more likely to place marketing concerns foremost and men more likely to be image conscious. However, there was considerable variance within genders and little weight given to 'traditional' crop gender constraints. The results underline the importance of crop marketing for women's crop choices, signifying an ability to earn income that they control and can spend on expenses crucial to household well-being. This information is useful for considering crop interventions (e.g. climate-ready varieties) and conservation (e.g. maintaining option value for adaptation). The absence of strict gender divisions implies that such concerns need not limit the scope of crop interventions in market-oriented areas of PNG. Furthermore, as crop diversity was found to vary significantly across the groups, methodologically similar approaches can be used to target interventions.									
on experimer change. Signi conscious. Ho The results u crucial to hou for adaptatio	ntation and novelty. Con ificant differences were to be wever, there was consion nderline the importance usehold well-being. This in). The absence of strict	sumption values and household ound between men and wome derable variance within gender: of crop marketing for women's information is useful for consid gender divisions implies that si	d self-sufficiency v in, with women m is and little weight is crop choices, sign ering crop interve uch concerns need	were universal motivators, as was resilience to environmental (including climate ore likely to place marketing concerns foremost and men more likely to be ima given to 'traditional' crop gender constraints. hifying an ability to earn income that they control and can spend on expenses ntions (e.g. climate-ready varieties) and conservation (e.g. maintaining option or not limit the scope of crop interventions in market-oriented areas of PNG.					
on experimer change. Signi conscious. Ho The results un crucial to hou for adaptatio Furthermore,	ntation and novelty. Con ificant differences were to be wever, there was consion nderline the importance usehold well-being. This in). The absence of strict	sumption values and household found between men and wome derable variance within genders of crop marketing for women's information is useful for consid gender divisions implies that suund to vary significantly across	d self-sufficiency v in, with women m is and little weight is crop choices, sign ering crop interve uch concerns need	were universal motivators, as was resilience to environmental (including climat ore likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. aifying an ability to earn income that they control and can spend on expenses ntions (e.g. climate-ready varieties) and conservation (e.g. maintaining option not limit the scope of crop interventions in market-oriented areas of PNG.					
on experimer change. Signi conscious. Ho The results un crucial to hou for adaptatio Furthermore, Partners invo. The National	ntation and novelty. Con fficant differences were fowever, there was consi- nderline the importance usehold well-being. This in). The absence of strict , as crop diversity was for	sumption values and household out the between men and wome derable variance within gender of crop marketing for women's information is useful for conditional gender divisions implies that sund to vary significantly across	d self-sufficiency v nn, with women m s and little weight s crop choices, sig ering crop interve uch concerns need the groups, meth	vere universal motivators, as was resilience to environmental (including climatione likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. Iffying an ability to earn income that they control and can spend on expenses intions (e.g. climate-ready varieties) and conservation (e.g. maintaining optional not limit the scope of crop interventions in market-oriented areas of PNG. abdologically similar approaches can be used to target interventions.					
on experimer change. Signi conscious. Hc The results un crucial to hou for adaptatio Furthermore, Partners invo The National facilitating ac	ntation and novelty. Con ficant differences were to swever, there was consic inderline the importance usehold well-being. This in). The absence of strict , as crop diversity was for solved and their role (250 I Agricultural Research Ir	sumption values and household ound between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that suund to vary significantly across occurred the characters) Decharacters Decharact	d self-sufficiency v nn, with women m s and little weight s crop choices, sig ering crop interve uch concerns need the groups, meth	vere universal motivators, as was resilience to environmental (including climatore likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. Iffying an ability to earn income that they control and can spend on expenses nitions (e.g. climate-ready varieties) and conservation (e.g. maintaining option and limit the scope of crop interventions in market-oriented areas of PNG. abdologically similar approaches can be used to target interventions.					
on experimer change. Signi conscious. Hc The results un crucial to hou for adaptatio Furthermore, Partners invo The National facilitating ac Links/Source	ntation and novelty. Conficant differences were fowever, there was consinderline the importance usehold well-being. This in). The absence of strict, as crop diversity was foolved and their role (250). I Agricultural Research Incress to the study sites.	sumption values and household ound between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that suund to vary significantly across occurred the characters) Decharacters Decharact	d self-sufficiency v in, with women m is and little weight is crop choices, sig- gering crop interve uch concerns need the groups, meth	vere universal motivators, as was resilience to environmental (including climatione likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. Iffying an ability to earn income that they control and can spend on expenses intions (e.g. climate-ready varieties) and conservation (e.g. maintaining option of the limit the scope of crop interventions in market-oriented areas of PNG. abdologically similar approaches can be used to target interventions.					
on experimer change. Signi conscious. Hc The results un crucial to hou for adaptatio Furthermore, Partners invo The National facilitating ac	ntation and novelty. Conficant differences were fowever, there was consinderline the importance usehold well-being. This in). The absence of strict, as crop diversity was foolved and their role (250). I Agricultural Research Incress to the study sites.	sumption values and household out the between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that sund to vary significantly across the characters) stitute of Papua New Guinea pund	d self-sufficiency v in, with women m is and little weight is crop choices, sig- gering crop interve uch concerns need the groups, meth	were universal motivators, as was resilience to environmental (including climate ore likely to place marketing concerns foremost and men more likely to be ima given to 'traditional' crop gender constraints. hifying an ability to earn income that they control and can spend on expenses ntions (e.g. climate-ready varieties) and conservation (e.g. maintaining option or not limit the scope of crop interventions in market-oriented areas of PNG.					
on experimer change. Signi conscious. Ho The results un crucial to hou for adaptatio Furthermore, Partners invo The National facilitating ac Links/Source See "Biovers Title Participa	ntation and novelty. Conficant differences were to wever, there was consisted the constant of	sumption values and household out the between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that sund to vary significantly across the characters) stitute of Papua New Guinea pund	d self-sufficiency v in, with women m is and little weight is crop choices, sign ering crop interve uch concerns need the groups, meth erovided logistical reports	were universal motivators, as was resilience to environmental (including climate ore likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. In a spend on expenses they control and can spend on expenses the spend on expenses the spend on expenses and conservation (e.g. maintaining option of the spend on expense of the spend of					
on experimer change. Signi conscious. Ho The results un crucial to hou for adaptatio Furthermore, Partners invo The National facilitating ac Links/Source See "Biovers Title Participa	ntation and novelty. Conficant differences were to wever, there was consisted the constant of	sumption values and household out of between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that suund to vary significantly across occurrences. It is stitute of Papua New Guinea pure CCAFS intra for PNG related formulation of a Strategic Actic genetic resources and their end	d self-sufficiency v in, with women m is and little weight is crop choices, sign ering crop interve uch concerns need the groups, meth erovided logistical reports	vere universal motivators, as was resilience to environmental (including climate ore likely to place marketing concerns foremost and men more likely to be imagiven to 'traditional' crop gender constraints. Infying an ability to earn income that they control and can spend on expenses nations (e.g. climate-ready varieties) and conservation (e.g. maintaining option of a not limit the scope of crop interventions in market-oriented areas of PNG. Each odologically similar approaches can be used to target interventions. Support, research assistants, and assisted in recruiting research participants and adultion.					
on experimer change. Signi conscious. He The results un crucial to hou for adaptation Furthermore, Partners invo. The National facilitating act Links/Source See "Biovers Title Participa strengthen the Type Successfu	ntation and novelty. Conficant differences were to wever, there was consisted the constant of	sumption values and household cound between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that suund to vary significantly across or characters) in the constitute of Papua New Guinea pure of the constitute of the constit	d self-sufficiency v in, with women m is and little weight is crop choices, sig ering crop interve ich concerns need the groups, meth irrovided logistical reports in Plan to hanced use in Countries	Author Marleni Ramirez Marleni Ramirez Marleni Ramirez Marleni Ramirez Marleni Ramirez Marleni Ramirez					
on experiment change. Signit conscious. Hor The results under crucial to hou for adaptation furthermore, Partners invote The National facilitating active a	ntation and novelty. Conficant differences were to sowever, there was considered in the importance usehold well-being. This in). The absence of strict, as crop diversity was for the importance of strict and their role (250). Agricultural Research Incress to the study sites. It is for further information of the importance of the import	sumption values and household cound between men and wome derable variance within gender: of crop marketing for women's information is useful for considing gender divisions implies that suund to vary significantly across or characters) in the constitute of Papua New Guinea pure of the constitute of the constit	d self-sufficiency v m, with women m s and little weight s crop choices, sig ering crop interve uch concerns need the groups, meth provided logistical reports reports Countries Countries	Author Marleni Ramirez Marleni Ramirez					

resources as an option for adaptation to climate change.

CASE STUDY

Description of the project,, procedures etc. (1100 characters)

To accomplish engagement leading to action, it is indispensable that stakeholders participate in a meaningful way to: a) build consensus about what steps to take considering scientific evidence and circumstances in the region and b) reflect on the role that stakeholders and the communities they represent can play in this 10-year plan. Stakeholders were invited to a regional consultation. Here we describe the process designed to engage stakeholders in the first consultation. The selection of participants to invite to the First Stakeholders' Consultation was a deliberate, multi-step, iterative process that involved consultations with the International Treaty Focal Points in each of the five countries (or their acting designates), complemented with suggestions from the Steering Committee of the Strategic Action Plan for Mesoamerica and other parties. Mexico and Belize, although they have not signed the International Treaty, were included in the invitations so as to include all Mesoamerican countries. To promote awareness at the highest possible level, the Council of Ministers of Agriculture of Central America was briefed about the development of the SAP for Mesoamerica and its relevance to the region they govern.

Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)

About 70 stakeholders hailing from nine countries, from several branches of national governments (agriculture, environment, health), regional government bodies (CAC, CCAD, SICA), academia, regional and international agricultural organizations (IICA, CATIE, FAO, CIAT, Famine Early Warning System Network, e.g. FEWS-NET), civil society, farmers, and donor representatives (UNDP, GIZ) attended the consultation. The most important observations made by participants in the consultation were: a) the rare opportunity to get together and interact with a very varied group of people in a collegial atmosphere, b) discovery of the convergence of interests around the better use of plant genetic resources for food and agriculture in Mesoamerica, and c) a common perception that an overhaul of the institutional and technical architecture of the PGR system in Central America is needed to serve the needs of smallholder farmers in the face of climate change. Insights will inform the formulation and prioritization of potential areas of action for inclusion in the Plan of Action.

Partners involved and their role (250 characters)

Steering Committee members from academic, government, regional organization, donor, farmers organizations all participants in the consultation, regionally based researchers.

Government organizations: agriculture, environment, health, climate change.

Links/Sources for further information

http://www.planttreaty.org/news/more-70-experts-central-america-discuss-climate-change-and-food-crops

Title			Author		
Inter-Center collaboration : the key to	data harmonization and data	ta integration		Elizabeth Arnaud	
Туре	Date (DD/MM/YYYY)	Countries			
Inter-center collaboration	2012		Global		
Keywords			Photo URL		
AgTrials, GCP, o	ontology, breeding			See "Bioversity's annexes " on the CCAFS intra	

Introduction/Objectives (400 characters)

One objective of the CGIAR-created Generation Challenge Programme (GCP) is to assist developing-world researchers to access improved plant breeding technologies and access a broader pool of plant genetic diversity. GCP and CCAFS co-organized a workshop which brought together several CGIAR Centers to collaborate on the development of the crop trait dictionaries of the GCP Crop Ontology and the potential linkages with the Global Agricultural Trial Repository (AgTrials).

Description of the project,, procedures etc. (1100 characters)

AgTrials stores metadata describing evaluation data sets uploaded by partners. The coordinates of these trials enable the creation of an online atlas of evaluation sites, which also include information on varieties, traits and environmental details. The GCP Crop Ontology (CO) was developed for the Integrated Breeding Platform (IBP) as a way of creating a common language that can be used by breeders, database managers and crop modelers. The CO website also provides access to the trait dictionaries, which are a valuable online resource for AgTrials. To begin this harmonization of the data file descriptioon, all measured variables named in the metadata of AgTrials were matched to the similar terms in the CO. This enabled trait-based queries to retrieve evaluation data files and sites. To take this further, a crop ontology community workshop was held 19-22 March 2012 bringing together crop breeders, managers of breeder databases, and CO curators. The meeting objectives were to:

- 1. Further develop the crop ontologies and trait dictionaries for the traits most frequently measured by breeders
- 2. Define the workflow between the IBP field book, the trait dictionaries and the CO curation website through a Community of Practice
- 3. Upload the trait dictionaries on the CO website
- 4. Discuss the synchronization of the CO with the GCP crop central databases and apply the CO terms to AgTrials, for data annotation and query.

CASE STUDY

Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)

Workshop results included agreement on the information needed by breeders, including the content of a trait dictionary, the definition of breeders' interest in the use of trait information, and their vision of the use of both products. Suggestions for improvement were: i) statistical results about the correlation of traits often measured in the same evaluation trial, ii) strengthening the relationships between related ontological terms, iii) using the CO for lists of farmer traits, and iv) developing geospatial access to the trait information with AgTrials and collected sample database. The CO was expanded with new breeder trait dictionaries for the common bean, cowpea, groundnut, pearl millet, yam and was translated into the languages of interest to the crop group.

The crop ontology site is novel as it provides an online community ontology curation tool with quick visualization of trait dictionaries and acts as a controlled vocabulary resource to AgTrials and other third party websites (e.g. International cassava database). The suite of linked tools (field book, CO, Genotyping Data Management System and AgTrials site) raised great interest from external partners (USDA, Cornell, INRA) and private companies (e.g. Syngenta and Monsanto), as a concrete example of integration between field data capture, online data storage and data analysis. The atlas visualization of the data is also a major attraction. The application of the CO terms to AgTrials for annotation of phenotyping data appears as a model for partners who start engaging in a similar process (e.g. International wheat Initiative), with the additional perspective of annotating high throughput phenotyping data.

Partners involved and their role (250 characters)

The CGIAR crop lead centers include Bioversity International, CIMMYT, CIAT, CIP, IITA, ICRISAT and IRRI. They provide the content of CO and the curation teams.

Links/Sources for further information

http://www.agtrials.org/ http://www.cropontology.org http://www.integratedbreeding.org/

Title			Author		
Capacity building on Climate Analogue Tool for National Partners- Rwanda and			Gloria Otieno		
Туре	Date (DD/MM/YYYY) Countries				
Capacity enhancement	18-23/11/2012		Uganda and Rwanda		
Keywords			Photo URL		
Climate change, Climate Analogue	Tool, future interdependence,	adaptation	http://grpi2.wordpress.com/2013/01/30/climate-analogues-rwanda-		

Within the context of changing climate and adaptation strategies, the future levels of countries' interdependence for specific germplasm is critical for their food security. Project partners in Uganda and Rwanda were trained in the use of the Climate Analogue Tool to help identify and map spatial and temporal analogue sites across the globe based on multiple climate projections in reference sites for specific crops. The vulnerability of these crops to climate change and future adaptation strategies were also explored i.e using today's climate for agricultural adaptation options for 2030 and beyond.

Description of the project,, procedures etc. (1100 characters)

Introduction/Objectives (400 characters)

The teams commenced by identifying their reference sites and crops of interest based on the relative importance of these crops for the economy and for food security. Rubaya, a border town, which is a common reference site for beans, was selected for both countries with the aim of identifying cross-country germplasm exchange. Additional sites for Rwanda included Bugesera for rice and maize; and Kirehe for maize. For Uganda additional sites included Nakaseke for bananas and beans and

Following training on the analogue tool, a further analysis of the reference sites and crops was done on a global scale, based on precipitation and temperatures and three scenarios — past, present and future (2030)— to determine analogue sites and future stresses. The GENESYS data portal was explored with the aim of identifying germplasm and holding institutions for future germplasm requests.

Project results (be concrete as possible), innovate findings, novel outcomes and short discussion on the implication of these results (1100 characters)

Preliminary analysis for all crops and sites yielded numerous analogue sites for all three scenarios. For rice, precipitation will not change significantly; however, by 2030 there will likely be an average temperature increase of 2.1 CO during the growing season. The closest analogue sites are in Australia where crop wild relatives of rice were identified as possible future germplasm. A reduction in precipitation for maize is predicted and an average increase in temperatures by 2 CO meaning that future stresses would be drought related, so drought resistant varieties would be suitable. Closest analogues sites were identified in Kenya and South America. Beans and bananas yielded the most dynamic results for both present and future with an average increase in temperature ranging between 1.8 and 2 CO. Over 100 analogue sites were identified; therefore, it was methodologically challenging to reduce this to a workable number. Best practices for selecting key sites are under review.

In addition, training on the Climate Analogue Tool was also held in Costa Rica in August, 2012. Further events are being scheduled in Bhutan, Burkino Faso, Cote D'Ivoire, Partners involved and their role (250 characters)

CCAFS: Flora Mer, CCAFS - Trainer

Partners trained in 2012:

CASE STUDY

Uganda: The National Agricultural Research Organization

Rwanda: The Rwanda Agricultural Board

Costa Rica: The Ministry of Agriculture, the Ministry of Environment, INTA, CATIE, and INBIO. Organized by the National Seed Office.

GRPI 2 partners in Bhutan, Burkino Faso, Cote D'Ivoire, Guatamala and Nepal will be trained in 2013.

Links/Sources for further information

http://grpi2.wordpress.com/2013/01/30/climate-analogues-rwanda-uganda/

http://grpi2.wordpress.com/2012/09/04/grpi-2-project-starts-in-the-americas-kick-off-workshop-in-costa-rica/

http://ccafs.cgiar.org/blog/climate-analogues-arrives-costa-rica-time-pgr-conservation

www.genesys-pgr.org/



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 Center Led Activities Bioversity International

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

A farmers' field experimentation network has been established with wheat farmers in the IGP region of India, connected through NGOs to the national agricultural research system.

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

- 1. Capacity building of national partners in identifying germplasm/varieties suitable to address climate adaptation and the organization of participatory trials
- 2. Different rounds of selection of wheat varieties using scientific and participatory methods

What partners helped in producing the outcome? moran Agricultural Research institute (ГАКТ), Regional Station, Pusa, Samastipur, віпаг, mora Local NGOs, Farmers' organizations and Women's groups

OUTCOME 1

Who used the output? Farmers and communities have adopted a number of wheat varieties as a result of the trials.

National programme and NGOs have gained in knowledge about the links between climate change and plant genetic resources, and skills to address this link.

How was the output used?

The initial output is the foundation for a subsequent upscaling effort. Variety evaluation is being crowdsourced in 2012-2013, using the varieties identified by farmers in the previous phase. After initial skepticism, there is now keen interest in this approach, both from organizations in the field as from the national system, which has already led to the development of proposals to expand this work with international and national funds.

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.

It is too early for a formal evaluation of variety adoption. However, there is strong qualitative evidence of success (Report "On-farm participatory network for climate change adaptation and visualization in the Indo-Gangetic Plains (IGP) -- Phase II" in Annex).

- Positive evaluation of introduced varieties during the participatory evaluation
- Seed requests from farmers of the varieties and enthusiasm to collaborate with the trials on a voluntary basis in subsequent seasons
- Interest of local and national partners in collaboration with Bioversity and further investment in this line of action.



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 Center Led Activities Bioversity International

Gender is being incorporated progressively in the research areas that have a direct link with farmers and farmers' communities. Bioversity is especially making an effort to integrate gender in the different Seeds for Needs projects, as exemplified by the case study on gender. The methodology used in this case study (Q methodology) provides a very interesting framework for gender analysis in agriculture as it produces robust and informative results, especially when interpreted against the background of the ethnographic literature and interviews. An interesting lesson from the field study in Papua New Guinea (PNG) is that women perceived access to planting materials a less important constraint than men, which may be related to the formers' more prominent role in marketing. Also, the study suggests a degree of 'ungendering' of roles in PNG society. Crop diversity is perceived to be a buffer against environmental shocks, but this is not the only reason why PNG farmers maintain diversity. These insights are highly relevant to the design of gender-sensitive interventions around crop diversity and will directly serve to refine the Seeds for Needs approach. Socio-economic and gender studies will continue in 2013, with more emphasis on characterizing climate vulnerability from a social science perspective and with our geographical focus more squarely on the CCAFS benchmark sites.