



PROGRAMME FOR SOUTH-SOUTH COOPERATION

Progress Report as of May 15 th , 2010			
02-T-07	Benin, Bhutan and Costa Rica: Non Timber Forest Products (NTFP) Use		
Thematic area	Biodiversity Conservation and Sustainable Use		
Partner countries	Benin, Bhutan and Costa Rica		
Lead organization	National Biodiversity Institute (INBio)		
Partner organizations	National Mushroom Center, (NMC), Ministry of Agriculture, Bhutan Département Aménagement et Gestion de l'Environnement de la Faculté des Sciences Agronomiques de l'Université d'Abomey-Calavi (DAGE/FSA/UAC), Benin		
Budget	PSC	US\$1,000,000	
	Counterpart	US\$378,882	
Execution period	February 15, 2008 to July 31, 2010.		
Work plan execution	Delays in the execution are mainly due to the construction of buildings.		
Percentage of advance	80%		
Beneficiaries	Users of implementation agencies services, more specifically insects and mushrooms local producers: <ul style="list-style-type: none"> • Benin: <i>Faculté des Sciences Agronomiques de l'Université d'Abomey-Calvai (FSA/UAC)</i> and Non Governmental Organizations (<i>CECODI, MIALIBOUN and TETOOMA</i>) • Bhutan: <i>National Mushroom Centre (NMC)</i>, the <i>Ministry of Agriculture of Bhutan</i>, extension agents in the districts, mushroom grower and wild mushroom collectors. • Costa Rica: INBio, organizations of mushroom growers (<i>Coopehongos, Asociación de Productores Agrícolas, Pecuarios y de Ecoturismo de Siberia</i>), Fungi Collectors and Butterfly Farmers. 		
Overall Objective	Specific Objectives	Expected outcomes	Outcomes of the activities carried out
The overall goal of the project envisaged by the National Mushroom Center (NMC) in Bhutan and the National Biodiversity Institute (INBio) in Costa Rica and the Département Aménagement et Gestion de l'Environnement de la Faculté des Sciences Agronomiques de l'Université d'Abomey-Calavi in Bénin (DAGE/FSA/UAC) in Benin is that the three organizations will work in close collaboration to enhance the institutional capacity to offer new products and services to society, as part of their efforts towards the conservation and sustainable utilization of biological resources.	To share experiences and develop jointly the information base including research, gathering, domestication, cultivation and marketing of valued non timber forest products such as mushrooms and insects.	To establish a work structure that allows the execution of the project and also the development of other complementary initiatives. Institutions strengthen their capacity to share at the local community level experiences and capacity in the management of non timber forest products (NTFP's).	Work structure was established and operational as scheduled. Complementary activities are under execution with NMC, and a proposal is being elaborated jointly by INBio and DAGE on the new University of Agriculture in Benin.
			154 people were trained in edible and medicinal mushroom production or collection in Bhutan and Costa Rica.
			4 communities in Costa Rica producing shiitake mushrooms using Bhutanese technology.
			Infrastructure development at INBio for mushroom cultivation, research and processing of spaws for encouragement through demonstration for the public.
			Infrastructure development at NMC in Bhutan, for research and processing of spawns for the general public in particular the rural communities. Purchase of equipment for the office, lab and processing unit of the NMC



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			<p>20 technicians in Benin were trained by INBio as parataxonomists working with Entomology and NTFP .</p> <p>Exchange of Curators of Entomological Collections from Benin, Bhutan and Costa Rica (techniques and method for collecting and identification). First part carried out in July 2009. Second part to be carried out in Costa Rica in January 2010.</p> <p>Beninese experts taught Costa Rican and Bhutanese technicians into raising edible bugs with potential market value</p> <p>Entomology exchange carried out in Benin in January 2009 with participants from Benin and Costa Rica. Training on edible bugs breeding.</p> <p>Two technicians from NMC did an internship at the labs at INBio June 1-26</p> <p>2 people from Costa Rica visited Bhutan, Thailand and Spain to learn about mushroom cultivation in August. They also trained Bhutanese technicians in mushroom taxonomy.</p> <p>6 technicians from Bhutan were trained as parataxonomists in Costa Rica</p>
		<p>Public awareness and importance of biodiversity information for effective and sustainable utilization and conservation would be enhanced in Bhutan, Benin and Costa Rica.</p>	<p>Project results available on the web, presence in media in Costa Rica and production of posters and brochures for producers in Bhutan. More information products in process of publication..</p> <p>Exhibition centre and laboratory of mushroom cultivation, research and processing of spawns in INBio Park</p>

Photo Gallery



Field trip during training in Bhutan



Training in Bhutan



People trained at Cerro de la Muerte



Field trip during Activity



Inauguration of Mushroom Station



Insect training in Costa Rica



Visit to Mushroom Growers Facilities in Thailand



Pilot Projects at Cerro de la Muerte



Impact Indicators

Chart 1A. Impacts										
INDICATORS RELATED TO PEOPLE BENEFICIATED AND TRAINED										
Code	Indicators	Benin		Bhutan		Costa Rica		TOTAL		Comments
		M	F	M	F	M	F	M	F	
B50	Number of producers with (increased) incomes by sustainable production systems					2	2	2	2	The figure is expected to increase by the end of the project

Chart 2A. Impacts					
OTHER INDICATORS					
Indicators	Benin	Bhutan	Costa Rica	Total	Comments
Number of families that improved their annual incomes			2	2	
Number of new technologic package of sustainable production developed			1	1	
Number of kilograms of mushrooms produced			22	22	
Number of initiatives generated through the experience of the project execution	1		1		Project on mushroom marketing and processing (Bhutan – Costa Rica) Proposal for labs and infrastructure for a new Agriculture University in Benin (Benin –Costa Rica)



Outcome indicators

Chart 1B. Outcomes										
INDICATORS RELATED TO PEOPLE BENEFICIATED AND TRAINED										
Code	Indicators	Benin		Bhutan		Costa Rica		TOTAL		Comments
		M	F	M	F	M	F	M	F	
B39	Number of producers applying new technologies or products of sustainable production (e.g. following training or exchange visits)	15	2			26	15	41	17	
E19	Number of people or organizations or institutions with improved skills and awareness on biodiversity conservation and sustainable use	15	2			26	15	41	17	

Chart 2B. Outcomes						
OTHER INDICATORS						
Code	Indicators	Benin	Bhutan	Costa Rica	Total	Comments
A14	Number of new micro enterprises			4	4	
A16	Number of new products			1	1	
A19	Number of new products/services exported		1	1	2	
A35	Number of technologies* transferred between participant countries		1		1	
B10	Number of processing plants for fruits and agricultural products operating			1	1	
E17	Number of communities applying new technologies or products that conserve biodiversity (e.g. following training or exchange visits)		2	4	6	



Output indicators

Chart 1C. Outputs										
INDICATORS RELATED TO PEOPLE BENEFITED AND TRAINED										
Code	Indicators	Benin		Bhutan		Costa Rica		TOTAL		Comments
		M	F	M	F	M	F	M	F	
A1	Number of direct beneficiaries (Training, workers, others)	33	4	9	7	27	16	69	27	60 people plus 112 people trained in Bhutan (different activities) Gender breakdown not available
A36	Number of people trained in sustainable technologies					26	15	26	15	112 people trained in Bhutan. Gender breakdown not available
A42	Number of people trained	15	2			28	15	43	17	
B1	Number of small producers/farmer benefited by the projects					26	15	26	15	112 people trained in Bhutan. Gender breakdown not available
B18	Number of small producers/farmers trained					26	15	26	15	112 people trained in Bhutan. Gender breakdown not available
B19	Number of farmers trained on organic cultivation					26	15	26	15	112 people trained in Bhutan. Gender breakdown not available
E10	Number of people trained in non timber forest products use					26	15	26	15	112 people trained in Bhutan. Gender breakdown not available
A43	Number of people trained to be trainers	2	1	7	5		1	9	7	



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Chart 2C. Outputs						
OTHER INDICATORS						
Code	Indicators	Benin	Bhutan	Costa Rica	Total	Comments
A7	Number of communities benefited/participating in the project		3	4	7	
A8	Number of benefited families			12	12	Information not available for Bhutan (112 people trained)
A56	Number of people participating in productive activities			41	41	
A22	Number of NGO-academic partnerships			1	1	
A23	Number of NGO-Governmental partnerships			1	1	
A26	Number of international experiences exchange events	4	5	5	14	Based on country benefited by experience
A47	Number of international internships (Participant Countries)	2	5	2	9	
D1	Number of activities organized with gender equity principles	2	1	3	6	