











# **MANITATRA 2 PROJECT**

### **QUARTELY REPORT AS OF SEPTEMBER 30, 2018**

(amended 19th November 2018)



http://gsdm-mg.org/

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### **Project summary**

**Project Title:** Manitatra 2 – Up scaling CSA through Ecosystem Based Adaptation in Farming's systems to mitigate climate change and to improve food security in two ecosystems of the VAKINANKARATRA region in Madagascar (the Highland and Middle West)

**Project Number: 01** 

Implementing partner: GSDM, Professionnels de l'Agro-écologie

**Key stakeholders:** Ministry of Agriculture and Livestock (MAEP), Ministry of Ecology, Environment and Forestry (MEEF), Directorate of General Meteorology, PAPAM project, NGO's (CEFFEL, APDRA, AVSF), Research institutions (Research platform in partnership SPAD: CIRAD, FOFIFA, FIFAMANOR).

**Start Date: 20/08/2018 End Date:** 20/08/2021

#### **BRIEF DESCRIPTION**

The Climate Smart Agriculture (CSA) pilot program that is coordinated by the Common Market for East and Southern Africa (COMESA) is part of a regional undertaking involving five (5) Member States (MS). The other MS are Uganda, Seychelles, Swaziland and Zimbabwe. The new program will be implemented during the period 2018-2020. The programme is funded by the EU under the Intra Africa, Caribbean and Pacific countries (Intra ACP) Global Climate Change Alliance plus (GCCA+) programme.

In Madagascar, this program wishes to enhance the experiences and successes of the previous GCCA project (MANITATRA 1) that was implemented during the period 2014 -2016 targeting 4 communes in the Mid-West of the Vakinankaratra region and in 4 communes of the South East.

The main achievements from the previous project included the following: households with enhanced livelihood were improved: e.g. 3,355 farmers (20% women) were practicing CA/CSA in the Mid-West and 3,138 (42% women) in the South-East. Forestry, Agroforestry, CA, CSA and best practices were the most important activities adopted by these farmers. The project has promoted the use of best practices in particular bio-pesticides, composting and repellent plants. Advocacy for CSA have been enhanced through the organization of Field Days (one per region) attended by central and regional Authorities.

The new project called "MANITATRA 2" will target the VAKINANKARATRA region and will cover two different ecosystems: (i) le Mid-West (600 to 1000 m asl) which aims at up scaling the experiences of MANITATRA 1 and will cover new communes and (ii) the Highlands (1200 to 1800 m asl) which is a new area without activities during MANITATRA 1 but with a high expansion of upland rice (districts of Antsirabe, Antanifotsy and Ambatolampy)

The proposed new project will be up scaling experiences gained during MANITATRA 1 and previous projects. Also experiences from other projects, partners or members of GSDM will be Incorporated in this new project.

Total beneficiaries of the project will be 18,000 farmers of which 15,000 are expected to adopt the technologies they have learnt in the Farmers Field School (FFS).

The following will be achieved with the project:

- Women benefiting the project is estimated at 50%
- Total area under CA is estimated at 2000 ha (500 ha for year 1, 1500 ha year 2 and 2000 ha year 3). Total erosion avoided is, therefore, estimated at 40.000 Metric tons during 3 years (based on average loss of 10 t/ha/year)
- 1,500,000 trees will be planted as forestry, agroforestry or hedgerows. Based on these
  achievements, the project will reduce emission by increasing the number of trees through afforestation (500,000 trees/year to make it 1.500.000 trees during the project term)
- The project will improve the farmer's ability to climate change adaptation by increasing cropping systems using CSA.
- Among significant benefits of the project will be to buffer the impact of erratic rainfall by soil permanent cover
- The projects will up-scale best practices like the use of bio-pesticides, repellent plants and all technology of composting.
- The project will contribute to the improvement of forages for dairy cattle in the highlands by introducing legumes and other types of forages, by improving cowsheds and by extending the area based on experiences of FIFAMANOR;
- The project will upscale or introduce fish rising in the paddy fields or in ponds based on experiences of APDRA and CIRAD.
- The project will update data on CSA upscaling in some strategic areas of the Country

The expected Results of the project are highlighted below:

- Result 1: CSA and Best Practices are up-scaled in two ecosystems of the VAKINANKARATRA region; covering the Highland and Mid- West regions in Madagascar
- Result 2: Capacity of various stakeholders is built in Climate Smart Agriculture, Conservation Agriculture and Agroforestry
- Result 3: Farmer organizations are supported and linked to various stakeholders in the Agriculture Sector to support sustainability of project results.

# **GRANT SUMMARY**

otal Resources URO)	required		821.090,01
otal resources URO)	allocated		
		COMESA	727.271,49
		Other sources:	
		(GSDM own Fund or State fund for taxes)	38 818,52
		FDAR	50.000
		In kind	5.000
		Un funded	

		Target	Achieved	Budget (€)			
Budget acc.	Planned Activities	Indicator	year 1	l as of Sent I	year 1	Achieved as of Sept (€)	Comments
1.	RESULT 1 : CSA and best practices are up scaled i region, covering the Highland and Middle West re	n two ecosystems of segions in Madagascar	the VAKINAN	IKARATRA	115 644,74	1 812,85	
Activity 1.1	Conduct awareness raisig, exchanges visits and fi learning between beneficiaries	eld days to facilitate	experiences	sharing and	7 631,58		
1.1.1	Exchanges visites inside communes	Number of exchange visit	2 400	-	3 157,89		
1.1.2	Exchanges visites between communes	Number of exchange visit	200	-	526,32		
1.1.3	Car hiring and other expenses during field visits	Days	40		3 947,37		
Activity 1.2	Upscale Conservation Agriculture to support the	growing of up land ri	ce and other	crops	5 921,05	170,23	
1.2.1	Provides seeds of cover crops (mucuna, stylosanthes, cowpea)	Flate rate per new farmer	1 500	-	5 921,05	170,23	
1.2.2	Support for Stylosanthes rollers	Group of farmers	-	-			
Activity 1.3	Upscale agroforestry and forestation (equipemen adopting farmers)	t and seed support to	nurserymar	n and	35 921,05	-	
	Support tree nurserimen (potting bags, other materials)	Flate rate per Nursery	20	-	3 157,89		
1.3.2	Support adopting farmers in tree plantlets for reforestation (Acacia, Eucalyptus)	Tree	500 000	-	26 315,79		
1.3.3	Support adopting farmers in fruit plantlets	Tree (fruit plantlet)	10 000	-	3 289,47		
1.3.4	Provides seeds of hedgerow (Cajanus, Tephrosia)	Flate rate per new farmer	2 000	-	3 157,89		
	Promote other best practices (bio-pesticides and improved organic fertilizers, forages, species for regenerative income activity as vegetables)				8 631,58	-	
1.4.1	Provide seeds of mucuna, crotalaire, others plants used as bio-pesticides/repellent plants (based on the experiences of BVPI, GSDM, CEFFEL)	Flate rate per new farmer	1 500	-	1 578,95		
1.4.2	Provide worms for composting	kg of worm	10	-	1 052,63		
1.4.3	Participate to improve cowsheds for quality manure and composting	Flate rate per new farmer	100	-	2 631,58		
1.4.4	Provide seeds of forage (grasses and legumes and off season forage) and food safety plants (orange flesh potatoes) based on experiences of FIFAMANOR	Flate rate per new farmer	500	-	2 578,95		
1.4.5	Provide fry and other equipment for farmers for fish raising in the paddy field or in ponds (based on the experiences of APDRA and CIRAD)	Flate rate per new farmer	50	-	789,47		

		l larget l	Budget (€)				
Budget acc.	Planned Activities	Indicator	year 1	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments
	Collect data on CSA in some strategic area at Nati upscaling of CSA and best practices in the Count		23 000,00	-			
1.5.1	Contratc with a firm to conduct National survey in some strategic agro-écological areas	Number of national survey (with national data in CSA)	1	-	20 000,00		
1.5.2	Integrate data in MANAMORA database - and include database improvement by contratcing with CIRAD	One contract with CIRAD expertise (adaptation de la BDD Manamora, accompagnement GSDM, formation DRAE et autres acteurs)		-	3 000,00		
1.5.3	Train regional directorates of MPAE (DRAE) in the use of the data base MANAMORA	DRAE staff trained		-			
1.5.4	National database transfert to DRAE (Ministry regional branch)	One database transfered		-			
Activity 1.6	Purchase principal mean for upscaling activity				34 539,47	1 642,62	
1.6.1	Purchase of Equipments				25 000,00	126,74	
1.6.1.1	Purchase of motorcycles	Unit	8	5	21 052,63	63,37	Engaged but not yet paid
1.6.1.2	Purchase of bicycles	Unit	35	0	3 947,37	63,37	Engaged but not yet paid
	Fuel and repairs				9 539,47	1 515.88	, ,
	Fuel and repairs (spare parts) for motorcycle	month	81	-	5 328,95	1 500,40	Repairs of 3 motorcycles from MANITATRA 1 to meet the project target of 8 motorcycles
16))	Car hiring for field backstopping and monitoring (all CSA: CA, Agroforestry and best practices)	Days	30	-	4 210,53	15,48	Notice to tender
2.	RESULT 2: Capacity of various stakeholders is bu Agriculture and Agroforestry	ilt in Climate smart A <sub>l</sub>	griculture Co	onservation	40 202,41	-	
I ACTIVITY / II	Train nursymen in the technology of tree nurserion species	es and in the choice o	of the approp	oriate tree	921,05	-	
2.1.1	Train Nurserymen/women	Number of nurserymen	20	28	921,05		
	Train lead farmers and farmers in CSA (CA, agrofo good practices)	n, other		11 052,63	-		
2.2.1	Train Lead farmers (LF) by technicians and other stakeholders	Number of Lead farmers	50	-	-		
	Support cost of farmers training by Lead farmers (Farmer to farmer approach, based on man-day spent on training of their peer farmers)	Lead farmers manday	4 200	-	11 052,63		

		Target	Achieved	Budget (€)			
Budget acc.	Planned Activities	Indicator	year 1	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments
•	Train secondary school students in CSA (CA, Agroforestry and forestation, other good practices)				21 089,52		
2.3.1	Make Diagnosis to select beneficiary schools	number of diagnosis	1	-	185,26		
2.3.2	Organize Events (Commitment charte event, Tools delivery)	number of Event	2	-	370,53		
2.3.3	Organize Training for Ministry Branch (OEMC/DREMC/BEMC)	Session	1	-	131,58		
2.3.4	Organize Training for teachers (3 sessions of training in Vakinankaratra)	Session	3	-	5 292,63		
2.3.5	Training Tools (tarpaulin, booklet, teacher guideline, langage-photo) - 6 new schools	Flate rate (see details)	1	-	3 806,05		
2.3.6	Produce and edit Communication tools (tarpaulin, Roll up)	Flate rate (see details)	1	-	105,26		
2.3.7	Produce Film for communication	Flate rate (3 years)	1	-	1 077,15		
2.3.8	Produce Cartoon strips for school children	Number of cartoon strips		-			
2.3.9	Provide some kits and inputs for demonstration plot (Materials and tools, Teaching Tools, inputs) for 6 new school	Flate rate (see details)	1	-	1 963,16		
2.3.10	Accompany students in the implementation	Flate rate (see details)	1	-	-		
2.3.11	Organise competition of best school (demonstration plot and student knowledge)	Flate rate	-	-			
2.3.12	Exchange visits between School	Flate rate per year	1	-	2 368,42		
2.3.13	exchange)	Flate rate per year	1	-	2 631,58		
2.3.14	Car hiring for training, monitoring and other actions fo secondary school	Days	20	-	3 157,89		
Activity 2.4.	Organise training sessions targeting development actors such as farmers organisations, NGO and services providers				1 947,37	-	
2.4.1	Organize training sessions targeting development actors as farmers organizations, NGO, local service provider	Number of training sessions	1	-	1 315,79		
2.4.2	Organize exchange visit in the training sites of GSDM	Number of participants of exchange visit in the training sites of GSDM	800	-			
2.4.3	Car hiring during training sessions (6 days per session)	Days	6	-	631,58		

		Indicator Target	Achieved as of Sept (indicator)	Budget (€)			
Budget acc.	Planned Activities			year 1	Achieved as of Sept (€)	Comments	
Activity 2.5	Involve regional Directorate of Meteorology in Cl Agriculture and Agroforestry	imate smart Agricultu	ire Conserva	tion	2 560,26	-	
2.5.1	Organize Information/sensitization of local stakeholders	Number of sessions	1	-	263,16		
2.5.2	Organize Training workshop for local stakeholders	Number of sessions	1	-	1 499,21		
2.5.3	Provide regional Meteorological information bulletins (quarterly)	Number of bulletin	200	-	131,58		
2.5.4	Provide perdiem for meteorological officer	Number of METEO officer intervention	2	-	666,32		
Activity 2.6	Involve the Ministry of Agriculture and livestock (MPAE) and Ministry of Environment and				2 631,58	-	
2.6.1	Organize field collaboration and exchange by MPAE + MEEF	Number of mission	1	-	789,47		
2.6.2	Organize field collaboration and exchange by regional directorates ( DRAE + DREEF)	Number of concerned DRAE	1	-	1 842,11		
Activity 2.7	Participate to CSA integration into public policie	s			-	-	
2.7.1	Participate to workshops or meeting to advocate CSA (no cost)	Worskshop		-			
2.7.2	Participate to workshops or meeting on climate change to advocate CSA (no cost)	Worskshop		-			
3.	RESULT 3: Farmers organisations are supported a Agriculture to support sustainability of the proje		stakeholers i	n the	10 809,77	-	
Activity 3.1.	Support FOs to participate in the development o	f National Action Plar	n for Climate	Change as w	1 230,82	-	
3.1.1	Organize awareness raising on Climate Change targeting development actors as farmers organizations, NGO, local service provider	Session	1	-	1 020,30		
3.1.2	Car hiring during training sessions (2 days per session)	Days	2	-	210,53		
Activity 3.2	Sharing experience at the regional level (COMESA actors and development actors	and other regions) i	-	-			
3.2.1	Organize exchange visits targeting policy makers, development actors (technicians) and farmers in	Number of exchange visits in COMESA and other regions		-			
	COMESA and other regions	Number of exchange visits participants		-			

	Target	Achieved	Budget (€)				
Budget acc.	Planned Activities	Planned Activities   Indicator   vear 1   as of Se	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments	
Activity 3.3.	Support FOs to maintain continuous exchange widevelopment mechanisms in national level) in or agricultural services				-	-	
3.3.1	Ensure Permanent exchange with FDA (state promoted development device in national level) in order to make a link with government development orientations	Number of concerned FDA	1	-			
3.3.2	Ensure Permanent exchange with FDAR (state promoted development device in regional level) in order to make a link with government development orientation	Number of concerned FDAR	1	-			
	Ensure that the FOs obtain permanent utilization promoted development mecanisms in national le the agricultural services	•	•	500,00	-		
3.4.1	Ensure Permanent utilization of CSA or Agricultural Service Center (state promoted development mechanism in District level) to make a link between farmers and agricultural service	Number of concerned CSA (Agricultural Service Center)	6	-	500,00		
	Support FOs on their collaborative contracting w FIFAMANOR, CEFFEL, AVSF, AGRISUD and PAPAM			ά <b>Α</b> ,	9 078,95	•	
3.5.1	Built capacity of FOs on rice/fish ecosystem by contracting with APDRA	Year intervention (but ponctual action by training)	1	-	1 710,53		
3.5.2	Built capacity of FOs on dairy cattle and forages by contracting with FIFAMANOR	Year intervention (but ponctual action by training)	1	-	2 631,58		
3.5.3	Built capacity of FOs on market gardening and livestock by contracting with AVSF (targeting mainly women)	Year intervention (but ponctual action by training)	1	-	1 578,95		
3.5.4	Built capacity of FOs on FFS School approach as developped by PAPAM project by AGRISUD	Year intervention (but ponctual action by training)	1	-	1 578,95		
3.5.5	Built capacity of FOs on Best practices, bio-pesticides and fruit trees by contracting with CEFFEL	Year intervention (but ponctual action by training)	1	-	1 578,95		

			Target	Achieved	Budget (€)		
Budget acc.	Planned Activities	Indicator	year 1	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments
4.	COMMUNICATION AND VISIBILITY				8 857,46	46,31	
Acivity 4.1.	Visibility and communication events organization	1			3 382,78	46,31	
4.1.1	Organization of regional field days targeting government authorities and development actors	Number of regional field days	-	-			
4.1.2	Conception of other Communication tools as streamers, roll up and mass communication	Number of streamer Number of roll up	2		56,22 168,66	46,31	
4.1.3	Car hiring for all communication and visibility action	Days	20	-	3 157,89	·	
Acivity 4.2.	Publications and broadcasting				599,68		
4.2.1	Broadcasting on national TV	Number of TV broadcasting	-	-			
4.2.2	Broadcasting on national Radio	Number of Radio broadcasting	6	-	199,89		
		Hommeday of reporters (20 reporters x 5 events)	40	-	399,79		
4.2.3	Expenses related to attendance of journalists or reproters in events for publication on TV or newspapers	Number of newspapers'publication	8	-	-		
		Number of TV events broadcasting	2	-	-		
		Number of Radio events broadcasting	2	-	-		
Acivity 4.3.	Documentaries conception and edition				4 875,00	-	
4.3.1	Edition documents and tools for techicians and farmers	Flate rate (Year)	1	-	710,53		
4.3.2	Editing of films for each project events	Number of films	5	-	4 164,47		
4.3.3	Capitalization leaflets	Number of capitalization leaflets		-			
5.	PROJECT ADMINISTRATION (HUMAN AND EQUIPEMENTS)				63 319,89	2 569,98	
Activity 5.1.	PMU officials recruited				29 815,79	567,44	
	project Leader	Months	11	1	7 236,84	192,93	Call for applications on newspapaers
	Assitant of project leader	months	11	0	5 210,53		Call for applications on newspapaers
5.1.3	Technicians (Highland+Middle West) (6 technicians)	months	66	6	17 368,42	187,26	Call for applications on newspapaers

			Target	Achieved	Budget (€)		
Budget acc.	Planned Activities	Indicator	year 1	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments
Activity 5.2.	GSDM Backstopping fully implemented by his key staff				14 413,35	1 058,29	
5.2.1	Director (2 months per year)	Months	2	0,17	3 708,84	310,79	
5.2.2	Agronomist (2 months per year)	Months	2	0,17	1 784,08	149,50	
5.2.3	Trainers agronomists (2 months per year per trainer): 2 trainers (Martin and Célestin)	Months	4	0,33	3 568,17	149,50	
5.2.4	Agro economist (2 months per year)	Months	2	0,17	1 784,08	149,50	
5.2.5	Communication Officer (2 months per year)	Months	2	0,17	1 784,08	149,50	
5.2.6	Agronomist Vakinankaratra (2 months per year)	Months	2	0,17	1 784,08	149,50	
Activity 5.3.	Local missions				6 907,89		
5.3.1	Per diem for GSDM national staff	Days	200		4 934,21		
5.3.2	Per diem for local staff	Days	100		1 973,68		
Activity 5.4.	Mean and equipments implementation				12 182,85	944,25	
5.4.3	Offices renting and communication				1 105,26	-	
5.4.3.1	Regional office renting	month	12	1	1 105,26		to be paid following month
5.4.4	Offices renting and communication				10 719,70	944,25	
5.4.4.1	PC/laptop	Unit	4	4	4 210,53	49,34	
	printers/scanner/photocopiers	Unit	2	2	552,63	208,72	1 UPS
	Digital camera	Unit	2	2	947,37		Engaged but not yet paid
5.4.4.4	videoprojectors + screens	Unit	2	2	2 105,26		Engaged but not yet paid
	hard disks	Unit	1	0	97,37		
5.4.4.6	Other equipments (flat rate per technician)	Per technician	6	3	552,63		Engaged but not yet paid
5.4.4.7	Communication/courier and other coordination expenses	Unit	1		2 253,91	686,19	Bank charges, DHL cost Tana -Luzaka
5.4.5	Spare parts for hard ware and other office machineries				357,89		
5.4.5.1	Spares (hard ware, photocopiers etc.)	year	1		357,89		
6.	PROJECT OVERSIGHT				16 051,03	944,88	
Activity 6.1.	Steering committee				261,56	-	
6.1.1	Steering committee establishment	Steering comittee established	1	-			
6.1.2	Steering committee meetings to give strategic orientation and advice during all phases of the project	Number of steering comittee meetings	1	-	261,56		

			Target	Achieved	Budget (€)		
Budget acc.	Planned Activities	Indicator	year 1	as of Sept (indicator)	year 1	Achieved as of Sept (€)	Comments
Activity 6.2.	Monitoring and Evaluation of the project				15 789,47	944,88	
6.2.1	Base line study through external expertise	One base line study	1	-	15 789,47	944,88	Invitation to tender to newspaper, FTM base cartography
6.2.2	Financial auditing	3 Financial auditing (one per year by COMESA)	1	-			
6.2.3	Bi-annual reportings	3 Semestrial report (1st : 1 per year)		-			
6.2.4	Annual reportings	3 Annual report (including semestrial 2 report)		-			
6.2.5	Mid-term evaluation through external expertise	One Mid-term evaluation		-			
6.2.6	Final evaluation through external expertise	One Final evaluation		-			
6.2.7	Car hiring for monitoring and evaluation	Days	30	-	3 182,41		
Activity 6.3.	Project achievements capitalization				-	-	
6.3.1	Project capitalization report	Number of capitalization report		-			
FY					254 885,30	5 374,02	
7.2.1	Adminstrative charges	7,0%		0%	17 841,97	138,16	
	YEAR 1 TOTAL BUDGET (EUROS)				272 727,27	5 512,18	