

Result number	Result	Indicator number*	Indicator	Baseline	End target	Target 2020	Target 2021	Target 2022	Target 2023	Means of verification	
11	Impact: Smallholder farmers in Tanzania, Madagascar and Mozambique have increased their income	11.1	Smallholder farmers monthly income in TZS from rice value chain (TAN)	2 200 000	20% increase	5 %	10 %	15 %	20 %	Impact evaluations, surveys	
		11.2	Smallholder farmers monthly income in MZM from cashew and groundnuts value chain (MAG)	1500MZM	7700MZM	5100MZM	5900MZM	6700MZM	7700MZM	Impact evaluations, surveys	
		11.3	Smallholder farmers monthly income in MGA from tilapia value chain (MAG)	86 USD	120 USD	90 USD	105 USD	120 USD	150 USD	Impact evaluations, surveys	
01	Outcome 1: Increased production and sales of rice, tilapia and cashew and groundnuts	O1.1	Average production per farmer (bags per acre) (TAN)	20 bags	25 bags	21 bags	23 bags	24 bags	25 bags	Annual survey	
		O1.2	MT paddy sold annually by small holder farmers (TAN)	8550MT	12300MT	9000MT	10000MT	11200MT	12300MT	Annual survey	
		O1.3	MT rice sold annually by companies (TAN)	500MT	2000MT	500MT	1000MT	1500MT	2000MT	Sales reports from the companies	
		O1.4	MT tilapia produced annually (per member) (MAG)	1 ton	3.2 tons	1.5	1.8	2.2	3.2	TDE reports, Norges Vel reports, External evaluation report	
		O1.5	MT tilapia on ice sold annually (Antananarivo and Tamatave) (MAG)	357 tons	1440 tons	520	625	840	1440	TDE reports, Norges Vel reports, External evaluation report	
		O1.6	MT cashew and groundnuts produced annually (MOZ)	400MT	5000MT	500MT	1500MT	3000MT	5000MT	AMPCM and INCAIU reports	
		O1.7	MT cashew and groundnuts sold annually (MOZ)	55MT	5000MT	250MT	1000MT	3000MT	5000MT	AMPCM and INCAIU reports	
		Outputs									
OP1.1	Smallholder farmers trained in their respective value chain	OP1.1.1	# of smallholder farmers trained (TAN, MAG, MOZ)	1260/340/50	2700/340/100	1500/340/30	2100/340/50	2400/440/70	2900/440/100	Participants lists, partner reports	
OP1.2	Smallholder farmers have access to inputs	OP1.2.1	# of smallholder farmers using improved rice seed (TAN)	20 %	40 %	25 %	30 %	35 %	40 %	Annual site surveys	
		OP1.2.2	# of smallholder farmers using fertilizer and pesticides (TAN)	70 %	95 %	75 %	85 %	90 %	95 %	Delivery notes and site surveys	
		OP1.2.3	# of affordable quality tilapia fingerlings produced (MAG)	1,75 million	3,9 million	2,8 million	3,3 million	4,02 million	5,12 million	Hatchery reports, TDE reports, Norges Vel reports	
		OP1.2.4	# of farmers with FCR (Feed Conversion Ratio) on target (MAG)	Avg. FCR 1.36: 1 for 328 farmers	340 farmers/FCR at max. 1.25: 1	340 farmers/FCR at max. 1.30: 1	340 farmers/FCR at max. 1.25: 1	440 farmers/FCR at max. 1.25: 1	440 farmers/FCR at max. 1.25: 1	TDE reports, Norges Vel reports	
		OP1.2.5	# of cashew trees produced by centralised nursery and distributed by decentralised nurseries (MAG)	Nursery not established	1 000 000	100 000	300 000	600 000	1 000 000	AMPCM reports	
		OP1.2.6	# of smallholder farmers using bio-spray and AflaSafe (MOZ)	510	4500	1000	1500	3000	4500	AMPCM reports	
		OP1.2.7	# of hectares of food crops replanted after cyclone Gobe**** (MOZ)	0	468	0	0	0	468	AMPCM reports	
		OP1.2.8	# of cashew trees replanted after cyclone Gobe**** (MOZ)	0	685	0	0	0	685	AMPCM and IKURU reports	
OP1.3	Smallholder farmers have access to production and processing infrastructure	OP1.3.1	# of smallholder farmers using improved rice farming equipments (TAN)	52 %	70 %	52 %	60 %	65 %	80 %	Site surveys	
		OP1.3.2	New tilapia technical hub operative (MAG)	Site purchased, technical hub requirements, plan, fencing and basic floor	2 technical hubs in place according to the standard and capacity required	Fish handling and appropriate working conditions in place + administration offices	Appropriate feed storage in place	1 new tilapia technical hub fully in place and working	2 technical hubs in place and working according to the standard and capacity required	Technical hub documents, TDE progress reports, Norges Vel reports	
		OP1.3.3	# of cooperatives that owns a functional warehouse (MOZ)	10	25	15	20	20	25	AMPCM reports	
		OP1.3.4	# of cooperatives with access to drying capacity for crops (MOZ)	0	34	5	29	34	34	AMPCM reports	
		OP1.3.5	New hatchery operative (MAG) ***	Max. capacity of producer organisation's hatchery caters only for existing farmers' production plan	Hatchery producing fingerlings for existing and new members and external producers	0	Preparations (land, planning) + 4 new ponds for fingerling production established	Building and operationalisation of 10 new ponds, 12 new purging tanks, new incubation unit, warehouse and energy sources (generator and solar energy)	Hatchery producing fingerlings for existing and new members and external producers	TDE hatchery unit reports/ documents, TDE progress reports, Norges Vel reports	
		OP1.3.6	New breeding unit operative (MAG) ***	Breeding unit at TDE hatchery limited to 5 ponds with basic but limited genetic enhancement operations	Breeding unit with sustainable, improved genetic enhancement scheme	0	Pond preparation work done (land, planning, etc.)	15 new ponds in place and in operation with improved and sustainable Genetic Enhancement Plan	Breeding unit with sustainable, improved genetic enhancement scheme	TDE breeding unit documents, TDE progress reports, Norges Vel reports	
		OP1.3.7	New laboratory operative (MAG) ***	Producer organisation's current hatchery has a microscope, basic water- and disease testing equipment	Low-cost laboratory operative with water quality monitoring and relevant disease testing	0	Laboratory preparations done (land in place, building and equipment planning)	Installation and full operation of the small laboratory (microscope, physical and chemical water testing kit, disease sample kits, small	Low-cost laboratory operative with water quality monitoring and relevant disease testing	Hatchery unit documents, TDE progress reports, Norges Vel reports	
		OP1.3.8	Commercial composting compound operative (MOZ) *****	No	Yes	No	No	No	Yes	CNN reports	
		OP1.3.9	Soil life laboratory operative (MOZ) *****	No	Yes	No	No	No	Yes	CNN reports	
		OP1.3.10	Greenhouse operative (MOZ) *****	No	Yes	No	No	No	Yes	CNN reports	
OP1.4	Capacity of smallholder farmers' cooperatives or business companies are strengthened	OP1.4.1	# of trainings provided to board members (TAN)	No training provided	8	4	6	8	8	8 (repeated to new members)	Training reports
		OP1.4.2	# of companies using digital market information system (TAN)	No digital rice info	10	Dev plan prepared	7 trainings	10 companies trained	10 companies using the system	Website statistics	
		OP1.4.3	# of certified millers (TAN)	0	2 companies and 30 millers	2 companies	8 millers	25 millers	30 millers	TBS reports	
		OP1.4.4	% women leaders in cooperatives and business companies (MAG)	31% women in Coops' Boards	40 %	35 %	35 %	35 %	40 %	Board minutes from Gas	
		OP1.4.5	Improved production management program in use by the producer organisation with the cooperatives and farmers (MAG)	Manual registration by farmers, excel by technicians, analysis	Professional production management program used by	Professional production management program(s) assessed	Professional production management program fully tested	Professional production management program fully	Professional production management program	TDE production management system, TDE progress reports, Norges Vel reports	
		OP1.4.6	# of marketing initiatives by cooperatives or business companies (MAG)	Quarterly marketing by radio/ when	Regular radio marketing 1 week	Regular radio marketing 1 week/	Regular radio marketing 1 week/	Regular radio marketing 1 week/	Regular radio marketing 1 week/	TDE progress reports, Norges Vel reports	
		OP1.4.7	% women leaders in cooperatives and business companies (MOZ)	33 %	50 %	38 %	45 %	48 %	50 %	Cooperatives' files, minutes	
		OP1.4.8	# of cooperatives with access to finance (MOZ)	10	30	15	25	25	30	AMPCM reports	
		OP1.4.9	# of cooperatives with aggregation services to their members (MOZ)	15	65	25	40	50	65	AMPCM reports	
		OP1.4.10	# of new cooperatives in operation (MAG)***	0	2	0	0	2	2	Cooperative Statutes, Board agendas and minutes, Registration documents from	
		OP1.4.11	Average # of cycles/ producer/ year (MAG) *****	1.6 cycles (2022) of 165 days/ cycle average + waiting between cycles for fingerlings, harvest	2 cycles/ producer/ year (140 days/ cycle + fingerlings & harvest on time)	0	0	0	1.6 cycles/ producer/ year (average)	2 cycles/ producer/ year (average)	TDE Technical reports, Progress Reports TDE to Norges Vel
02	Outcome 2: Political framework that supports rice and tilapia value chains**	O2.1	# of policies implemented (TAN)	1	2	0	1	1	2	Govt proceedings , RCT reports	
		O2.2	# of policies formally adopted (TAN)	1	2	0	0	1	2	Gov proceedings, RCT reports	
		O2.3	# of policies suggested or put on the agenda by decision-makers (MAG)	0 - Baseline policy to be put on the agenda: The tax regulations on fish farming is inappropriate with too high taxes on farmed fish vs. wild fish overall (incl. for tilapia)	1 - Reduced total taxes on farmed fish are decided and implemented by the Malagasy tax authorities	The challenges in the tax regulation for fish farming is put on the agenda of the Direction of Aquaculture in the Ministry of Agriculture, Animal Husbandry and Fisheries (MAEP-DDA)	Changes in the unbalanced tax regulation for fish farming is discussed in the Ministry (MAEP) and they start discussions with the Malagasy tax authorities	The current tax regulations on fish farming are fully discussed by the MAEP with the Malagasy tax authorities and improved with a totality of lower, fair tax levels for fish farmers at national, regional and local level	Reduced taxes based on improved tax regulations on fish farming are applied fully by the Malagasy tax authorities (nationally, regionally and locally)	Malagasy tax system (laws and regulations) for fish farming, TDE reports, Norges Vel reports	
Outputs											
OP2.1	Policy weaknesses identified and recommended changes drafted	OP2.1.1	# of meetings with decision makers (TAN, MAG)	0/2	8/TBD	2/4 meetings	4/2 meetings	6/3 meetings	8/3 meetings	Minutes from meetings	
		OP2.1.2	# of trainings for decision makers (MAG)	No specific training given	Training provided to the MAEP-DDA and the Regional Direction of Fisheries as requested and agreed	4-days training to MAEP-DDA personell agreed with GIZ-support (different project)	Offer follow-up/ updating of training if relevant (GIZ-project)	Offer to the-point technical training of new MAEP-DDA personell if relevant	Offer follow-up training for existing personell/ full training as relevant for new MAEP-DDA personell	TDE Reports, Training Documentation and attendance sheets	
OP2.2	Decision-makers lobbied on policy weaknesses and advantage of remmended changes	OP2.2.1	# of policy proposals presented by partners to decision makers (TAN)	0	4	Stakeholder consultation	2	4	4	Project report	

*Indicator numbers for all programmes

**Smallholders often suffer from poor framework conditions, caused by a combination of market manipulation by bigger and better-connected actors and poor protection from rent-seeking by regulatory authorities at local and central level. Norges Vel's partners will work to engage with decision makers to address weaknesses and opportunities in the smallholders' policy framework conditions, for example to secure access to land, finance and export and to protect the producers from illegal import.

*** Additional allocation NORAD for fish farming Madagascar 2021 (use 2021-2022)

**** Compensation funds NORAD due to cost increases 2022 (use 2022/2023)

***** Additional allocation NORAD for climate resilient food production 2022 (use 2022/2023)

In red - other relevant updates/ or combination of *** / **** / ***** above.