

## AKADP Log frame

Results Hierarchy	Indicators					Means of Verification			Assumptions
	Indicators	Units of Measurement	Baseline	Current status (as of 31 <sup>st</sup> Oct 2016)	End Target	Data Sources	Frequency	Responsibility	
<b>Project Goal:</b>  Rural poverty is reduced in the Provinces of Ardahan, Kars and Artvin	Prevalence of rural poverty in targeted Provinces, disaggregated by gender	Percentage points	Data to be extracted from national statistics	2014-2015 change in Regional Data show decrease in poverty rate from 3.7% to %3.6  End-year extracted data for 2016 proposed for consistency.	Reduction of at least 20% of rural people living on less than USD 4.30/day in targeted districts.	<b>Secondary</b> (Turkish Statistical Institute-TurkStat)	The status of GOAL and PDO indicators is reported two times during the project life-cycle as follows:  a) Baseline;  b) At completion	The Project Management Unit (PMU) is responsible to collect the secondary and primary information that is needed to report on the status of the selected Goal and PDO indicators	Macro-economic environment and policy remains conducive to investment, private sector development  No deterioration in existing markets for livestock and crops and trade.
	Average <b>HH Assets Ownership Index</b> in targeted provinces ( <b>RIMS-Level 3</b> )	Index (disaggregated by male and female headed HHs)	Data to be extracted from Baseline report (2011) and from national statistics  This Index not used/compiled in TR. Considering different index / Statistical Data	Farmer survey for Project will be held in December and cross-checked with PDFAL/TurkSTAT data collected from the project provinces, by Dec.2016.	At least 20% of households increase asset ownership in targeted districts	<b>Primary</b> (Project Baseline Survey and subsequent periodic Impact Surveys) and <b>Secondary</b> (TurkStat)			
	Prevalence of under 5 child malnutrition in targeted provinces ( <b>RIMS-Level 3</b> )	Percentage	- To be extracted from national statistics  - Nutrition and Health Study (2010) indicates height on 0-5 age group in North-East Anatolian Region, "short" ratio value is %20. This data can be used to find the nutrition level.	National data from the Nutrition and Health Study (2016) will be used by the end of the project.	Decrease in chronic malnutrition among children below 5 years of age	<b>Secondary</b> (TurkStat, Ministry of Health, WHO, UNICEF, FAO, MDG/SDG reports etc.)			
<b>Project Developme</b>	Average annual income	TL/Year	Data to be extracted from secondary	Relevant regional level survey/data review planned for	10% increase in income of targeted	<b>Primary</b> (Project			

nt <b>Objective (PDO):</b>  Increased incomes of project targeted poor rural smallholders	of targeted beneficiaries (disaggregated by gender)		sources  TRA2 (Ardahan, Kars, Iğdır, Ağrı): Poorest %10 annual average income: 7.242 TL/yr;  TR90 (Artvin) 8.005 TL/yr  (2014 data)	December 2016.	smallholder producers	periodic Impact Surveys) and <b>Secondary</b> (TurkStat)			
<b>Component 1: Smallholder and Non-Farm Enterprise Investments</b>									
<b>Outcome 1:</b> Increased livestock and horticultural production and non-farm employment in project areas	Average livestock and horticulture production of targeted project beneficiaries  <b>(RIMS 2.2.2-Level 2)</b>	Livestock:  -Litres of Milk/Year          Horticulture: Tons/year	- Baseline average milk production at district level: 2.16 tons/cattle/year  12lt/cattle/day  -Horticulture: greenhouse production of tomatoes, cucumber, pepper.  - Horticultural production of the fruits/orchards supported under Component 1, in the project districts is a total of: 12.296 in 2010  - To be gathered from secondary sources, i.e. PDA	Milk production not yet measured. Expected by the end of 2016 (for project beneficiaries)  Annual Statistics (TUIK) for 2015 calculation for the project districts:  2,8 tons/cattle/year  15,7 lt/cattle/day (TurkSTAT/PDFAL)  193 kg/0.05 da (from the PMU database)  Horticultural production of the fruits/orchards supported under Component 1, in the project districts is a total of: 12.445 tons in 2015 (TurkSTAT/PDFAL)	10% increase in average milk production.          20% increase in volume of horticulture produced by targeted villages	-M&E Progress Reports and periodic farmer surveys	Annually	The PMU is responsible to collect the data from the Provincial Directorates of the Ministry of Agriculture (PDA)	No major changes to agro-climatic conditions.  No untreatable outbreaks of infectious disease in livestock.

	Farmers adopting recommended technologies (through project training activities)  (RIMS 2.2.2-Level 2)	Number of farmers	The baseline should be considered as "zero" (2012)	85 farmers have been trained and adopted the proposed technologies (only horticulture, Livestock data missing)	- 25 farmers applying practices in both horticulture and livestock  - Revised/proposed no: 300 (horticulture and livestock practices)	Periodic farmer surveys /Project assessments	Annually	The PMU is responsible to manage/ conduct periodic farmer surveys/ outcome assessments.	
	Non-Farm Employment in project targeted areas (RIMS 2.5.1)	Number of new jobs generated (including job equivalent as family labour), disaggregated by province, gender, age & type of employment (part/full time)	- To be extracted from baseline report (data available)  - Off-farm employment is 7% (Baseline survey,2010)	- 2 women, supported from project greenhouse demonstrations started to develop own business in local conditions.  - Business/ entrepreneurship development trainings and site survey on no-farm employment status, especially for women, planned for December 2016.	Increase in employment and entrepreneurship in project targeted communities, with focus on women	- M&E Progress Reports and periodic farmer surveys	Annually	The PMU is responsible to collect the data from the PDA	
<b>Output 1.1: Improvement of livestock husbandry practices</b>	People trained in livestock production practices and technologies (RIMS 1.2.3-Level 1)	Number of trainees, disaggregated by province, gender, topic and type of training (e.g. study visits, workshops)	Zero (2012)	355 as of 31.12.2015 +27 in 2016 Total : 382 (Oct. 2016)	To be defined by PMU based on PDR figures and AWPB projections  500 beneficiaries	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA and project Service Providers (SPs)	
	Households/ People benefitting from capital assets and	Number of people, disaggregated by province, gender, and type	Zero (2012)	3 Barns constructed and operating. 3 in project development process.	-800 farmers using newly constructed hay shelters (PDR)	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA and SPs	

					target: Increase in the number of HH benefiting from newly constructed capital investments				
<b>Output 1.2: Improvement of horticultural practices</b>	People trained in crop production practices and technologies  (RIMS 1.2.2-Level 1)	Number of trainees, disaggregated by province, gender, topic and type of training	Zero (2012)	160 farmers total as of 31.12.2015  +37 in 2016  Total: 197	To be defined by PMU based on PDR figures and AWPB projections   300 beneficiaries	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA and SPs	
	Establishment of co-financed orchards in project areas	Number and extension (hectares) of new orchards, by province.	Zero (2012)	217 farmers, 1775 decars completed as of July 2016.  +100 to be completed by end of 2016	To be defined by PMU based on PDR figures and AWPB projections  - 250 producer 1000 decars	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA	
<b>Output 1.3: Supporting non-farm employment</b>	People trained in business and entrepreneurship (as rural tourism, post production processing, etc.)  (RIMS 1.5.4-Level 1)	Number of trainees, disaggregated by province, gender, topic and type of training	Zero (2012)	68 person participated the rural tourism workshops (2015)  2016 end year plan: +30 women trained on entrepreneurship and (rural) business development	- To be defined by PMU based on PDR figures and AWPB projections  - 100 beneficiaries	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA	
	Market facilities (including selling points) constructed / rehabilitated	Number of facilities, by type and province	Zero (2012)	Project review and tender preparations ongoing for 6 grape juice workshop and 5 local product sales and promotion units.	- To be defined by PMU based on PDR figures and AWPB projections  - 10 local product workshop and	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA	

					sales/promotion units				
<b>Component 2: Village Infrastructure</b>									
<b>Outcome 2: Improved access to productive rural infrastructure</b>	Effectiveness of project supported productive infrastructure <b>(RIMS 2.1.2-Level 2)</b>	Number and share (%) of targeted farmers with secure access to: - livestock water facilities, -Marketing facilities, -Improved pastures -Shepherd shelters	30% of farmers have access to pasture land in surrounding villages (common pasture lands) and 60% have access to pasture land of their village (2011).  48% of villagers stated having water access problems.	An estimate of 56 % of the households (appr. 46,000 households/81,000) provided access to Livestock Water Facilities and Pasture Roads via SPA protocols  Ardahan Livestock Market operating, 5 new LMs design completed, construction process started.  20 shepherd shelters design completed, under procurement process.	At least 50% of targeted households have: -Access to improved LWF -Access to improved LMF.  At least 75% of targeted villages have: -Access to improved pastures and rangelands. -Access to adequate shepherd shelters	Annual farmer surveys conducted by the project  Independent final project outcome and impact assessments	Annually (farmer surveys)  At project completion - Final Project Impact assessment	The PMU is responsible to manage/conduct annual farmer surveys, and to commission independent final outcome /impact assessments.	
	Sustainability of project supported productive infrastructure <b>(RIMS 2.1.3-Level 2)</b>	Number of infrastructures functioning three years after construction	Not applicable	Co-financed greenhouses constructed in 2013-2014 started to generate income for their owners.	Project supported infrastructures are sustainable over time				
<b>Output 2.1: Establishment of livestock markets</b>	Livestock market facilities constructed and/or rehabilitated <b>(RIMS 1.4.3-Level 1)</b>	-Number of livestock markets constructed  -Number of livestock rehabilitated  (Disaggregated	No licenced markets as of 2011 (4 small markets were existing in project areas)	Ardahan Livestock Market operating, 5 new LMs design completed, construction process started.	4 new licensed markets constructed and 2 existing markets rehabilitated and licenced.	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA	

		by province and district)							
<b>Output 2.2:</b> Development of livestock water supply facilities	Livestock water points constructed or rehabilitated  (RIMS 1.1.6-Level 1)	Number of new water points constructed  (Disaggregated by province, district and village)	Scattered water points with reduced accessibility were existing before the project	Construction of 86 facility, serving to 100 villages	120 villages in project targeted areas have new livestock water points	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the PDA	
<b>Output 2.3:</b> Rehabilitation and construction of pasture roads	Roads constructed / rehabilitated  (RIMS 1.4.2-Level 1)	Number and length (in KMs) of constructed /rehabilitated pasture roads and number of villages served	Inadequate pasture road conditions characterized the project area as of 2011.	Pasture roads serving pastures of the 35 villages constructed/ rehabilitated	To be defined by PMU based on Project Design Report figures and AWPB projections  Access to pastures of 80 villages in project targeted areas	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from the SPAs and contractors	
<b>Output 2.4:</b> Rehabilitation and construction of livestock facilities	Productive infrastructure constructed / rehabilitated  (RIMS 1.1.16-Level 1)	Number of facilities by type, and number of villages benefitting, disaggregated by province and district	Insufficient and inadequate livestock facilities in project areas	7 protection fences constructed, 20 shepherd shelters procurement process ongoing, 2 animal care unit construction partially completed.	- To be defined by PMU based on PDR figures and AWPB projections  - At least %50 increase in the number of households benefitting from qualified livestock facilities,	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from PDA	
<b>Component 3: Institutional Strengthening</b>									
<b>Outcome 3:</b> <b>Institutions providing appropriate services to targeted</b>	P/DDA capacity to provide service to smallholders/farmers	Number of annual visits to villages by P/DDAs staff  - Number of field days conducted		AKADP PMU experts conducted all field visits with the participation of at least one DDFAL staff in the districts, approximately once in a week in different districts.  - 2 field days organised by end of	-Increase in number of annual village visits by P/DDAs.  - Increase in the number of field	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from PDA	Required "culture" change towards responsiveness to clients

smallholder producers sustainably strengthened		by DDAs  - Number of farmers applying to P/DDA for information		2015.  Due to extraordinary conditions in the country, field days and similar activities cancelled in 2016;  - Co-financing and demonstration requests and applications to DDFALs, increased, as observed from increase in applications of the co-financing programmes.	days conducted by DDAs  - 10% increase in number of farmers applying to P/DDA for information				supported by ministerial, district leaders
<b>Output 3.1:</b> PDA and DDA staff training	Government officials trained	Number of trainees, by gender, institution and topic	Zero	5 AKADP Responsible Officers participated to co-financing training of PMU,  6 Kars PDFAL Officers to strategic planning seminar  8 Kars PDFAL officer and executive participated to Kars Kashar Cheese Symposium  All District DFAL responsible officers participated to the field visits of PMU experts and joined field trainings for beneficiaries, in 2016  PDFAL Kars officers participated to a communication techniques seminar	- To be defined by PMU based on Project Design Report figures and AWPB projections  - Participation of P/DDFAL AKADP responsible staff to at least 2 activities organised under/in line with the project.	M&E Progress Reports	On a six month basis	The PMU is responsible to collect the data from PDA	