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Resilient nations.

<b>Project Title:</b>	<b>Supporting Climate Resilient Livelihoods in Agricultural Communities in Drought-prone Areas of Turkmenistan</b>
<b>UN PFD Outcome (s):</b>	<b>Outcome 6:</b> The national policy, legislative and institutional frameworks are responsive to climate change issues by promoting climate resilience, adaptation, climate risk management and disaster risk reduction measures at sector and community level
<b>Expected CP Outcome Indicator (s):</b>	<b>Indicator 6.1.:</b> Availability of solutions developed and implemented at national and sub-national levels for climate change adaption, sustainable management of natural resources and ecosystem services, as part of NEPAAM. <b>Indicator 6.2:</b> 1.5 Hectares of land that are managed sustainably under a conservation, sustainable use or access and benefits-sharing regime.
<b>Expected CP Output (s):</b>	<b>Output 6.1:</b> New and innovative solutions developed and piloted at national and subnational levels for climate change adaptation, sustainable land, water, coastal management and ecosystem services, and safe waste disposal as part of NEPAAM. <b>Output 6.2:</b> Institutional capacities are strengthened at subnational level in adaptation/CRM planning and implementation, to promote stronger local livelihoods through sustainable use of water, land, biodiversity and coastal areas.
<b>Implementing Partner:</b>	State Committee of Turkmenistan on Environment Protection and Land Resources
<b>Responsible Parties:</b>	UNDP, Ministry of Agriculture and Water Resources, Union of Industrialists and Entrepreneurs, Ministry of Finance and Economy, Parliament of Turkmenistan, local authorities, local communities

**Brief Description**  
The objective of the proposed project is to support climate resilient livelihoods in agricultural communities in the Lebap and Dashoguz velayats in Turkmenistan. The project's incremental value lies in enabling farmers in one of the driest regions of the country to overcome the critical barriers that prevent them from reducing the vulnerability to climate change induced water stress and other environmental hazards in the agricultural sector.

Programme period: Country Programme 2016-2021 Atlas Award ID: 00092855 Project Title: SUPPORTING CLIMATE RESILIENT LIVELIHOODS IN AGRICULTURAL COMMUNITIES IN DROUGHT-PRONE AREAS OF TURKMENISTAN Start date: 15/06/2017 End date: 15/06/2021	Total allocated resources: 779,445 USD UNDP: 20,000 USD SCCF: 759,445 USD
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State Committee on Environment Protection and Land Resources of Turkmenistan  
 Agreed (National Implementing Partner): *[Signature]*  
 Date: 27.02.2018

UNDP Turkmenistan  
 Agreed: *[Signature]*  
 Date: 12/02/2018

Annual Work Plan  
Period: 01.01.2018 - 31.12.2018

Project: SUPPORTING CLIMATE RESILIENT LIVELIHOODS IN AGRICULTURAL COMMUNITIES IN DROUGHT-PRONE AREAS OF TURKMENISTAN



Engenders/Inva  
Resilient as part.



<p><b>Outcome 1: Climate related socio-economic outcomes improved in target agricultural communities in Lepab and Dashoguz velayats through the implementation of community based adaptation solutions</b></p> <p><b>Target End of Project:</b></p> <p>1.1. At least eight farmer and/or livestock associations adaptation plans designed and budgeted through the project and linked to collective community based actions on water savings and efficiency improvements as well as soil fertility and moisture improvements as follows: (i) four adaptation plans by MTR; and (ii) eight adaptation plans by end of project.</p> <p>1.2. At least 3,000 (or 30%) of targeted agricultural farmers and pastoralists (30% of which are women) reporting improved production of major crops and natural pasture.</p> <p>1.3. At least 50% of the households supported through alternative climate-resilient livelihood opportunities reporting an increase of &gt;15% of real net household farm income, of which at least 20% are women-headed households</p>	International Consultant	71200	42,000
	Individual contracts	71300	45,300
	Service contracts	71400	36,000
	Travels	71600	18,500
	Contracted Technical Services	72100	17,000
	Equipment and Furniture	72200	255,500
	Grants	72600	0
	Printing and Publications	74200	36,700
	Training, Seminars	75700	17,700
	<b>Total for Outcome-1:</b>		<b>468,700</b>

Outputs for Outcome 1	Planned Activities (Description of costs)	Month												Planned budget in USD					
		January	February	March	April	May	June	July	August	September	October	November	December	Responsible Party and participants	Budget line	Amount			
<p><b>Output 1.2. Development and implementation of local gender sensitive adaptation plans.</b></p> <p><b>Indicators:</b></p> <p>1. Number of trainings conducted for project partners</p> <p>2. Information collected for making decisions</p> <p>3. Adaptation plans for four farm associations elaborated and agreed for further implementation</p>	<b>Activity 1.2.1. Project activity management on site</b>																		
	<b>Activity 1.2.1.1. Provision to the Agro-Information Centers with necessary equipment and furniture for intentional learning and research</b>	1	2	3	4	5	6	7	8	9	10	11	12	Project team	72100	2,000			
	<b>Activity 1.2.1.2. Recruitment of the Local coordinators for pilot regions of Dashoguz and Lebap velayats</b>	1	2	3	4	5	6	7	8	9	10	11	12	Project team	72200	5,000			
	<b>Activity 1.2.1.3. Recruitment of the National Expert on Community Development/Trainer</b>	1	2	3	4	5	6	7	8	9	10	11	12	Project team	71300	20,000			
	<b>Activity 1.2.2. Expert support and guidelines for climate change adaptation planning</b>																		
	<b>Activity 1.2.2.1. Two trainings "Leveling of arable lands with application of the laser technology" in Gorogly and Danev (Galkymysh) etraps. Two-day's training for 25 participants including students of State Agriculture Institute of Dashoguz city</b>	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and SMAT	75700	2,700			
	<b>Activity 1.2.2.2. Two trainings «Preparation of adaptation plans and community mobilization» in Gorogly and Danev etraps.</b>	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and SMAT	71600	2,000			
		1	2	3	4	5	6	7	8	9	10	11	12		75700	2,700			
		1	2	3	4	5	6	7	8	9	10	11	12		71600	2,000			
		1	2	3	4	5	6	7	8	9	10	11	12		75700	2,700			

Activity 1.2.2.3. Two trainings «Combat with soil salinity in agriculture» in Gorogly and Danew etraps. Two-days training for 25 participants including students of State Agriculture Institute of Dashoguz city	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and SMAT	71600	2,000
Activity 1.2.2.4. Two trainings «Rational use of mineral fertilizers in agriculture» in Gorogly and Danew etraps. Two-days training for 25 participants including students of State Agriculture Institute of Dashoguz city	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on CD and SMAT	75700	2,700
Activity 1.2.2.5. Two trainings «Monitoring and evaluation of land degradation» in Gorogly and Danew etraps. Two-days training for 25 participants including students of State Agriculture Institute of Dashoguz city	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and SMAT	71600	2,000
Activity 1.2.2.6. Two trainings «Impact of climate change on inter-farm water use at the field level» in Gorogly and Danew etraps.	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and SMAT	75700	2,700
Activity 1.2.2.7. Recruitment of local technical specialists for each pilot region for implementation of the targeted research on agropolygons and trainings. 2 local specialists	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development, and SMAT	71300	6,000

**Activity 1.2.3. Preparation of the Participatory adaptation management plans to climate change**

Activity 1.2.3.1. Regular meetings with local representatives of pilot regions for preparation of the participatory adaptation plans including project investment activity	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and local partners	71600	500
Activity 1.2.3.2. Finalization of the Adaptation plans for four selected farm associations, with indication of the action, expected outcomes, terms, responsible parties, source of finance etc. and approval at the Local Project Board meetings	1	2	3	4	5	6	7	8	9	10	11	12	Project team, NE on Community Development and local partners	75700	500
Activity 1.2.3.3. Recruitment of International Consultant for consultation on Effective and sustainable adaptation planning (existing contract of A. Zogae)	1	2	3	4	5	6	7	8	9	10	11	12	PM, PS and PIU	71200	42,000

**Activity 1.2.4. Participatory adaptation management for supporting the livelihood of agricultural communities**

Activity 1.2.4.1. Achievement of agreements on joint collaboration with Turkmen State Agriculture Institute of Dashoguz city (TSAI) and signing of the Minutes on meetings outcomes	1	2	3	4	5	6	7	8	9	10	11	12	PM, SCEPLRT and TSAI	71600	500
Activity 1.2.4.2. Installation of the innovative water-saving technologies (drip irrigation) on the territory of the research site of the Turkmen State Agriculture Institute, area of app. 3-5 ha	1	2	3	4	5	6	7	8	9	10	11	12	Project team, TSAI and contracting company	72200	50,000
Activity 1.2.4.3. Installation of the PV panel for watering place (to pump and purify water as well for power supply) for effective pasture management in livestock farm of Gorogly etrap, Dashoguz velayat	1	2	3	4	5	6	7	8	9	10	11	12	Project team and contracting company	72200	50,000
Activity 1.2.4.4. Organization of deep ploughing, tillage, ordinary and laser leveling on agropolygons, total area of 20 ha (10 ha in each pilot region in Lebap and Dashoguz velayat)	1	2	3	4	5	6	7	8	9	10	11	12	Project team and contracting company	72100	15,000
Activity 1.2.4.5. Installation of pump units, transformer and power line for Garaqum livestock, Gorogly etrap, Dashoguz velayat and Parahat farm	1	2	3	4	5	6	7	8	9	10	11	12	Project team and contracting company	72200	150,000



3. National partners supported on  
 conduction of the National  
 workshop

3. National partners supported on conduction of the National workshop	Activity 1.5.4. Organization of the contest on the topic "Gender stories" among students of the agriculture education institutions	1	2	3	4	5	6	7	8	9	10	11	12	Project team and UNDP Communication associate	74200	1,200
	Activity 1.5.5. Support of the National workshop devoted to International Environment Protection Day – 5 <sup>th</sup> June	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA and SCEPLRT	74200	2,000
	Activity 1.5.6. Animated presentation on project progress at the pilot regions	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA and UNDP Communication associate	71600	1,000
	Activity 1.5.7. Design and publication of the wall, desk calendars, organizers with ecological topics prepared by the State Committee on Environment Protection and Land Resources of Turkmenistan	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA and SCEPLRT	71300	800
	<b>Sub-total for Output 1.5.</b>															
	<b>39,500</b>															

Project specialists	1	2	3	4	5	6	7	8	9	10	11	12	PM and UNDP CO	71400	19,000
Service contracts (Project management and administration)	1	2	3	4	5	6	7	8	9	10	11	12	UNDP CO	71400	17,000
<b>Total for Outcome 1:</b>															
<b>468,700</b>															

<b>Outcome 2: Adaptation mainstreamed in agricultural and water sector development strategy and policy</b>		International Consultant		71200	0
<b>Target End of Project:</b>		Individual contracts		71300	46,000
2.1: At least 3,000 (50% women) of agricultural and pastoral farmers and 100 government staff (20% women) are trained in on-the-ground application of climate adaptation-related technologies as follows:		Service contracts		71400	36,000
(i) 1,000 farmers (30% women) and 50 government staff (20% women) by MTR; and		Travels		71600	2,500
(ii) 3,000 farmers (30% women) and 100 government staff (20% women) by end of project		Audio Visual & Printing Prod		74200	3,600
2.2: A package of amendments to the legislation with economic instruments and support for water delivery and local level decision making under increased communal control (refer Output 2.4 for details of proposed legislative measures)		Training, seminars		75700	4,000
2.3: At least two sector plans (agriculture and water) integrate climate adaptation considerations and budgetary allocations		<b>Total for Outcome 2:</b>			<b>92,100</b>

Outputs for Outcome 1	Planned Activities (Description of costs)	Month												Responsible Party and participants	Planned budget in USD	
		January	February	March	April	May	June	July	August	September	October	November	December		Budget line	Amount
<b>Output 2.1.</b> Capacity development for agriculture and water sector enabling effective adaptation planning with gender considerations	<b>Activity 2.1.2.</b> Two-days training «Irrigation planning for agricultural crops taking into account climate and natural factors». Ashgabat, 25 participants including representatives of the State Agriculture University	1	2	3	4	5	6	7	8	9	10	11	12	Project team and SMAT	75700	2,500
																71600
<b>Indicators:</b> 1. Trainings conducted according elaborated Training Program 2. Potential cooperation initiated with international organizations	<b>Activity 2.1.3.</b> Support of the national efforts in the field of the sustainable land management and mitigation of the land degradation in collaboration with international organization (GIZ, FAO and others).	1	2	3	4	5	6	7	8	9	10	11	12	PM, PS	71600	500
<b>Sub-total for Output 2.1.</b>																

<b>Output 2.3.</b> Regulation and guidelines for inclusion of adaptation in national and local development planning and budgeting developed and linked to sector based planning, coordination and monitoring	<b>Activity 2.3.1.</b> Preparation of the Guideline on Improvement of the quality of arable lands	1	2	3	4	5	6	7	8	9	10	11	12	Specialist on WRM	74200	600		
		1	2	3	4	5	6	7	8	9	10	11	12		Specialist on LRM	74200	600	
		1	2	3	4	5	6	7	8	9	10	11	12			Specialist on WRM	74200	600
<b>Indicators:</b> 1. Methodical guides for project partners prepared; 2. Subordinate legislation prepared; 3. The recommendations prepared within the framework of the project in the field of land legislation accepted by of the	<b>Activity 2.3.4.</b> Recommendation and proposals on preparation of the legislative documents in the field of land use taking into account the climate risks and sustainable land and water management	1	2	3	4	5	6	7	8	9	10	11	12	NLEs, Specialist on LRM and SCEPLRT	71300	0		
		1	2	3	4	5	6	7	8	9	10	11	12		NLEs, Specialist on LRM and SCEPLRT	71300	26,000	
		1	2	3	4	5	6	7	8	9	10	11	12			75700	500	



<b>Outcome 3: Strengthened national capacity for iterative climate change adaptation planning, implementation and monitoring</b>  <b>Target End of Project:</b>  1.1 National monitoring, reporting and verification system to measure changes in vulnerabilities from adaptation actions with functional procedures and rules in place. 1.2 Five agro-ecological zones in the country models developed that integrate impacts, costs and adaptation actions.	International Consultant Individual contracts Service contracts Travel Equipment and Furniture Communication and Internet Audio Visual & Print Prod Training, Seminars	71200 71300 71400 71600 72200 72400 74200 75700	50,000 43,500 36,000 2,000 20,000 11,000 445 3,500
	<b>Total for Outcome-3:</b>		<b>166,445</b>

Outputs for Outcome 3	Planned Activities (Description of costs)	Month												Responsible Party		Planned budget in USD	
		January	February	March	April	May	June	July	August	September	October	November	December	Budget line	Amount		
<b>Output 3.1.</b> Mechanism for iterative monitoring, reporting and verification of implementation of the mainstreamed adaptation actions established  <b>Indicators:</b> 1. National climate change strategy updated 2. Paris Agreement Action Plan prepared	<b>Activity 3.1.1.</b> Recruitment of the National experts for updating the National climate change strategy and preparation of the Paris Agreement Action Plan	1	2	3	4	5	6	7	8	9	10	11	12	PM, SCEPLRT, UNDP CO	71300	40,000	
	<b>Activity 3.1.2.</b> Recruitment of the International Consultant for preparation of the long-term concept on adaptation planning	1	2	3	4	5	6	7	8	9	10	11	12	UNDP CO	71200	50,000	
	<b>Activity 3.1.3.</b> Work meetings for discussion of the prepared documents	1	2	3	4	5	6	7	8	9	10	11	12	PM, SCEPLRT, UNDP CO	75700	500	
<b>Sub-total for Output 3.1:</b>															<b>90,500</b>		

<b>Output 3.3.</b> Actions to build the evidence base for robust decision making implemented  <b>Indicators:</b> 1. Agro-ecological for pilot regions models developed that integrate impacts, costs and adaptation actions	<b>Activity 3.3.1.</b> Development of more detailed modeling of agro-ecological zones that would help inform long-term government investment policy in the agriculture and water sector	1	2	3	4	5	6	7	8	9	10	11	12	IC and project partners	71200	0
	<b>Activity 3.3.2.</b> Agreement with appropriate governmental agencies the issues related to installation of the agro-climate stations for modeling of agro-ecological zones	1	2	3	4	5	6	7	8	9	10	11	12	PM, SCEPLRT, NCHT, UNDP CO	71400	0
	<b>Activity 3.3.3.</b> Training on the modeling of the agro-ecological zones on the project pilot regions	1	2	3	4	5	6	7	8	9	10	11	12	PM, IC	75700	500
	<b>Activity 3.3.4.</b> Procurement and installation of the agro-climate stations for demonstration of the agro-ecological zones modeling on the project pilot regions	1	2	3	4	5	6	7	8	9	10	11	12	PM, PS, IC	72200	20,000
<b>Sub-total for Output 3.1:</b>															<b>20,500</b>	

Project Board Meetings	1	2	3	4	5	6	7	8	9	10	11	12	Project team, SCEPLRT, UNDP CO, SMAT	75700	2,500
														71600	2,000
														74200	445



Communication and Internet	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA, PIU	72400	11,000
Provision of cleaning services	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA, OIU	71300	3,500
Project Staff Costs (Project Specialists)	1	2	3	4	5	6	7	8	9	10	11	12	PM, UNDP CO	71400	17,000
Project Staff Costs (PM, PA, PD)	1	2	3	4	5	6	7	8	9	10	11	12	UNDP CO	71400	19,000
<b>Total for Outcome 3:</b>															
<b>166,445</b>															

<b>Outcome 4: Project Management</b>	Service Contract	71400	17,000
	Travel	71600	2,000
	Rental & Maint of Other Equip	73400	2,000
	Audio Visual & Print Prod	74200	200
	Miscellaneous	74500	11,000
<b>Total for Outcome-4:</b>			<b>36,200</b>

Outputs for Outcome 4	Planned Activities (Description of costs)	Month												Responsible Party		Planned budget in USD	
		January	February	March	April	May	June	July	August	September	October	November	December	Budget line	Amount		
Adequate conditions for successful project work of the team are created																	
<b>Project Management</b>	Travel	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA	71600	2,000	
	Rental & Maint of Other Equip (incl. office vehicle)	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA, PIU	73400	2,000	
	Audio Visual & Print Prod	1	2	3	4	5	6	7	8	9	10	11	12	PM, PA	74200	200	
	Misc (Direct Project Costs + GMS)	1	2	3	4	5	6	7	8	9	10	11	12	PM, UNDP	74500	11,000	
	UNDP CO Salary Costs	1	2	3	4	5	6	7	8	9	10	11	12	UNDP	71400	8,000	
	Project Staff Costs (PM, PA, PD)	1	2	3	4	5	6	7	8	9	10	11	12	PM	71400	9,000	
<b>Total for Project Management Costs to be covered by SCCF</b>																	
<b>32,200</b>																	

<b>Outcome 5: Project / Programme Execution (TRAC)</b>	Service Contract	71400	9,000
	Equipment and Furniture	72200	2,000
	Travel	71600	3,000
	Miscellaneous	74500	1,000
	Communications and Internet	72400	2,500
	Supplies	72500	1,500
	Rental & Maintenance Premises	73100	1,000
<b>Total for Outcome 5:</b>			<b>20,000</b>

Outputs for Outcome 5	Planned Activities (Description of costs)	Month												Responsible Party		Planned budget in USD	
		January	February	March	April	May	June	July	August	September	October	November	December	Budget line	Amount		
<b>Project Management</b>	UNDP CO Salary Costs - NP & GS Staff (TRAC)	1	2	3	4	5	6	7	8	9	10	11	12	PS	61100	3,000	

UNDP CO Salary Costs - NP & GS Staff (TRAC)	Total for Project Management Costs with UNDP TRAC funding														
	1	2	3	4	5	6	7	8	9	10	11	12	PA		
Travel	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	61200	6,000
Equipment	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	71600	3,000
Office supplies	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	72200	2,000
Communications and Internet	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	72500	1,500
Rental & Maintenance-Premises	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	72400	2,500
Miscellaneous	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	73100	1,000
	1	2	3	4	5	6	7	8	9	10	11	12	PIU, UNDP CO	74500	1,000
<b>Total for Project Management Costs with UNDP TRAC funding</b>															<b>20,000</b>

Outcome 1	468,700
Outcome 2	92,100
Outcome 3	166,445
Outcome 4	32,200
Outcome 5	20,000
<b>Grand Total</b>	<b>779,445</b>

Approved by Project Board:

Agreed by:

Agreed by:

State Committee on Environment Protection and Land Resources of Turkmenistan

UNDP in Turkmenistan

PM – Project Manager  
 PS – Project Specialists  
 IC – International Consultant  
 LPC – Local Project Coordinator  
 NC on WRM – National Consultants on Water Resource Management  
 NC on LRM – National Consultant on Land Resource Management  
 PA – Project Assistant  
 NE on CD – National Expert on Community Development  
 NLEs - National Legal Experts  
 NE on SPM - National Expert on Sustainable Pasture Management  
 NIDFF – National Institute on Desert, Flora and Fauna

**Abbreviation**

SMAT – State ministries and agencies of Turkmenistan  
 SCEPLRT – State Committee on Environment Protection and Land Resources of Turkmenistan  
 MAWE – Ministry of Agriculture and Water Economy  
 TSAI – Turkmen State Agriculture Institute of Dashoguz city  
 NCHT – National Committee on Hydrometeorology of Turkmenistan  
 PS – Programme Specialist  
 PA – Programme Assistant  
 UNDP CO – UNDP Country Office  
 SCCF – Special Climate Change Fund  
 PIU – Project Implementation Unit  
 GIZ - The Deutsche Gesellschaft für Internationale Zusammenarbeit  
 FAO – Food and Agriculture Organization