



FAO-GEF Project Implementation Report

2021 – Revised Template

Period covered: 1 July 2020 to 30 June 2021



1. Basic Project Data

General Information

Region:	Europe
Country (ies):	Turkey
Project Title:	Sustainable Land Management and Climate-Friendly Agriculture
FAO Project Symbol:	GCP/TUR/055/GFF
GEF ID:	4583
GEF Focal Area(s):	BD, LD, CC
Project Executing Partners:	Ministry of Agriculture and Forestry (MAF)
Project Duration:	5 years
Project coordinates: (Ctrl+Click here)	Please see Annex 2

Milestone Dates:

GEF CEO Endorsement Date:	3 November 2014
Project Implementation Start Date/EOD :	4 September 2015
Proposed Project Implementation End Date/NTE¹:	31 December 2020
Revised project implementation end date (if applicable) ²	31 December 2021
Actual Implementation End Date³:	N/A

Funding

GEF Grant Amount (USD):	USD 5,750,000
Total Co-financing amount as included in GEF CEO Endorsement Request/ProDoc⁴:	USD 22,300,000
Total GEF grant disbursement as of June 30, 2021 (USD m):	USD 4,445,078

¹ As per FPMIS

² In case of a project extension.

³ Actual date at which project implementation ends/closes operationally -- only for projects that have ended.

⁴ This is the total amount of co-financing as included in the CEO document/Project Document.

Total estimated co-financing materialized as of June 30, 2021	USD 90,965,616 (as of 30 June 2021)
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Review and Evaluation

Date of Most Recent Project Steering Committee:	17 July 2020
Mid-term Review or Evaluation Date planned (if applicable):	N/A
Mid-term review/evaluation actual:	N/A (April 2018)
Mid-term review or evaluation due in coming fiscal year (July 2020 – June 2021).	No
Terminal evaluation due in coming fiscal year (July 2020 – June 2021).	Yes
Terminal Evaluation Date Actual:	October 2021
Tracking tools/ Core indicators required⁵	N/A

Ratings

Overall rating of progress towards achieving objectives/ outcomes (cumulative):	S
Overall implementation progress rating:	S
Overall risk rating:	M

Status

Implementation Status (1st PIR, 2nd PIR, etc. Final PIR):	6 th PIR
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⁵ Please note that the Tracking Tools are required at mid-term and closure for all GEF-4 and GEF-5 projects. Tracking tools are not mandatory for Medium Sized projects = < 2M USD at mid-term, but only at project completion. The new GEF-7 results indicators (core and sub-indicators) will be applied to all projects and programs approved on or after July 1, 2018. Also projects and programs approved from July 1, 2014 to June 30, 2018 (GEF-6) must apply core indicators and sub-indicators at mid-term and/or completion

Project Contacts

Contact	Name, Title, Division/Affiliation	E-mail
Project Manager / Coordinator	Fatma Güngör, NPC (FETUR)	Fatma.Gungor@fao.org
Lead Technical Officer	Peter Pechacek, Forestry Officer (FAOSEC)	Peter.Pechacek@fao.org
Budget Holder	Viorel Gutu, SEC-SRC and FAO Representative in Turkey	Viorel.Gutu@fao.org
GEF Funding Liaison Officer	Hernan M. Gonzalez, Technical Officer (TCID)	Hernan.Gonzalez@fao.org
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2. Progress Towards Achieving Project Objectives and Outcomes (Cumulative)						
Project objective and Outcomes	Description of indicator(s) ⁶	Baseline level	Mid-term target ⁷	End-of-project target	Level at 30 June 2021	Progress rating ⁸
Objective(s): To improve agriculture and forest land use management through the diffusion and adoption of low-carbon technologies with win-win benefits in land degradation, climate change, and biodiversity conservation and increased farm profitability and forest productivity.						
Outcome 1:	Land cover delivering global environmental benefits in the project target area as reported in the GEF LD tracking tool	16 650 hectares of vegetative cover	30 000 hectares of vegetative cover	60 000 hectares of vegetative cover	60,205 ha of vegetative cover	S
		1200 Kg C/ha/year of biomass	1450 Kg C/ha/year of biomass	1600 Kg C/ha/year of biomass	2400 kg C/ha/year of biomass ⁹	
		30 trees per ha	40 trees per hectare	50 trees per ha	500 trees per ha.	

⁶ This is taken from the approved results framework of the project. Please add cells when required in order to use one cell for each indicator and one rating for each indicator.

⁷ Some indicators may not identify mid-term targets at the design stage (refer to approved results framework) therefore this column should only be filled when relevant.

⁸ Use GEF Secretariat required six-point scale system: **Highly Satisfactory** (HS), **Satisfactory** (S), **Marginally Satisfactory** (MS), **Marginally Unsatisfactory** (MU), **Unsatisfactory** (U), and **Highly Unsatisfactory** (HU).

⁹ The data extracted from Eregli Integrated Forest Management Plan developed under the project and it reflects the carbon stock calculated per ha of degraded forests of the Plan,

	Avoided emissions and carbon sequestration delivering global environmental benefits in the project target area as reported in the GEF LD and CC tracking tools	<p>20,000 Ha of degraded forest targeted by the project</p> <p>No arable land under conservation agriculture due to project intervention</p> <p>No degraded rangelands and pastures under improved management due to project intervention</p> <p>No methane capture sites developed due to project intervention</p>	<p>10,000 Ha of degraded forest rehabilitated,</p> <p>20-25,000 ha of arable land under conservation agriculture</p> <p>15,000 of degraded rangelands and pastures under improved management</p> <p>8-10,000 tCO₂-eq avoided from methane capture sites</p>	<p>20,000 Ha of degraded forest rehabilitated, capturing 43,600* tons of CO₂eq per year</p> <p>40-50,000 ha of arable land under conservation agriculture, avoiding 25,000* tons of CO₂eq per year</p> <p>30,000 ha of degraded rangelands and pastures under improved management capturing 103,498* tons of CO₂eq per year¹⁰</p> <p>8-10,000 tCO₂-eq avoided from methane capture sites</p>	<p>36,399 ha of degraded forest rehabilitated, capturing 79,499 tCO₂eq per year</p> <p>59,867..ha of arable land under conservation agriculture (41,467 ha CA+18,399 ha manure application), avoiding 36,768 tCO₂eq per year</p> <p>23806 ha of degraded pastures rehabilitated, capturing 82,049 tCO₂eq per year</p> <p>The total methane capture is 518.80 tCO₂/year by considering 200 cattle in each farm. Hence, the systems mitigate 10,376 tons of CO₂ over their service life (20 years).</p>	S
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¹⁰ As the rangeland does not legally exist inside forests according to National Forestry Law, the rangeland target will be compensated by increasing degraded forest rehabilitation.

	Number of hectares of forest, pasture, and arable land with biodiversity mainstreamed in management practices resulting from project investments at site level	Biodiversity mainstreamed into management practices covering: 0 ha forest 0 ha pasture 0 ha arable land	Biodiversity mainstreamed into management practices covering: 10,000 ha forest 10,000 ha pasture 10,000 ha arable land	Biodiversity mainstreamed into management practices covering: 20,000 ha forest 30,000 ha pasture 30,000 ha arable land	Biodiversity mainstreamed into management practices covering: 69,147.3 ha forest 122,314.5 ha pasture 360,853.6 ha arable land	HS
	Spatial coverage of integrated natural resource management practices in wider landscapes as reported in GEF LD tracking tool	Spatial coverage of integrated natural resource management practices in wider landscapes: 0 million ha agricultural lands 0 million ha pasture lands 0 ha forests	Spatial coverage of integrated natural resource management practices in wider landscapes: 0 million ha agricultural lands 0 million ha pasture lands 0 ha forests	Spatial coverage of integrated natural resource management practices in wider landscapes: 2.2 million ha agricultural lands 1.8 million ha pasture lands 700,000 ha forests ¹¹	Spatial coverage of integrated natural resource management practices in wider landscapes: 0.60 million ha agricultural lands 0.24 million ha pasture lands 69,147.3 ha forests	S
	Total emission reductions resulting from project related forest and rangeland management improvements	0 tCO ₂ eq mitigated as a result of improved range and pastureland management	-	66,000 tCO ₂ eq mitigated per year as a result of rehabilitated forests and improved range	79,499 tCO ₂ eq per year	HS
	Hectares of rehabilitated forest land sequestering CO ₂ as a result of project investments	0 ha of rehabilitated forest land	10,000 ha of forest land rehabilitated	20,000 hectares of forest land rehabilitated	36,399 ha of degraded forest rehabilitated	HS

11

The project end target covers whole basin not the project pilot sites, thus the score is rated as “S” by considering pilot sites

2021 Project Implementation Report

	Hectares of degraded range and pasturelands rehabilitated as a result of project investments	0 ha of range and pastureland rehabilitated	10,000 ha of range and pastureland rehabilitated	30,000 ha of range and pastureland rehabilitated	23806 ha of degraded pastures rehabilitated	MS
	Measurable global biodiversity benefits in the project target area as reported in the GEF LD tracking tool	Wetland in the pilot site is legally protected, but no ecological restoration plan is in place	Ecological restoration plan developed for 6,680 hectares of protected habitat	6,680 hectares of protected habitat managed under ecological restoration plan	Restoration recommendation report is completed for Eregli Marshes (Akgol-6680 ha) and Meke Lake (202ha)	S
Outcome 2:	Total hectares under conservation agricultural practices as a result of project investments	0 hectares under project driven conservation agricultural practices	20,000 hectares under project driven conservation agricultural practices	40-50,000 ha under conservation agriculture practices	59,388.5 ha of agricultural land is under CA through raised awareness and demonstrations	S
	Total emissions reduced as a result of project driven conservation agricultural practices	0 tCO ₂ eq reduced as a result of project driven conservation agricultural practices	7,000 tCO ₂ eq reduced as a result of project driven conservation agricultural practices	23,000 tCO ₂ eq reduced as a result of project driven conservation agricultural practices	17148 tCO ₂ eq as a result of expansion of no till practices, pasture rehabilitation, limited irrigation and improved crop management practices	S
	Total amount of GHG emissions reduced as a result of project driven livestock production improvements, including digesters	0 tons CH ₄ emissions reduced as a result of project driven livestock production improvements, including digesters	8,000 tons CH ₄ emissions reduced as a result of project driven livestock production improvements, including digesters	9,900 tons CH ₄ emissions reduced as a result of project driven livestock production improvements, including digesters	Four biogas digesters are operational. The digester locations have been selected based on 100 cattle criteria. The total avoided emission calculated as 10,376 tons of CO ₂ over	S

					their service life (20 years).	
	Number of livestock/poultry producers and number of livestock contributing to digesters as a result of project investments	0 livestock/poultry producers and 0 head of livestock contributing to digesters	20 livestock/poultry producers and 2,500 head of livestock contributing to digesters	4 livestock/poultry producers and 1200 head of livestock contributing to digesters (please see section 6. Adjustments to Project Strategy)	4 Biogas systems were established in four farms. The total number of contributing cattle heads is 4040. ¹²	HS
Outcome 3:	Number of farm and/or ranch households adopting improved practices that support biodiversity conservation, SLM, and climate change mitigation	Number of farm and/or ranch households adopting new practices that support biodiversity conservation, SLM, and climate change	Number of farm and/or ranch households adopting new practices that support biodiversity conservation, SLM, and climate change mitigation: 150	Number of farm and/or ranch households adopting new practices that support biodiversity conservation, SLM, and climate change mitigation: 500	1000 farms have adopted new practices as confirmed by Konya and Karaman Provincial Directorates	S
	Number of FFS participants	Number of FFS participants: 0 males 0 females	Number of FFS participants: 500 males 250 females	Number of FFS participants: Target=31 FFS x average 20 members=620 Since the original target is not realistic, it is revised by considering the assessment made in 2017. No target identified for female	So far 24 FFSs completed. Number of FFS participants reached 616, (92 women). The sessions planned for 2020 - 2021 could not be conducted due to suffered from COVID-19 pandemic.	S

¹² The total number of the cattle heads contributing to the systems in four farms in 2020 and 2021.

2021 Project Implementation Report

				farmers, however the project will try to integrate female farmers during the implementation.	Compensating activities are being planned following the ease of Covid 19 related restrictions.	
	Capacity strengthening to enhance cross-sector enabling environment for integrated landscape management score as reported in GEF LD tracking tool	Capacity strengthening to enhance cross-sector enabling environment for integrated landscape management score of 1	Capacity strengthening to enhance cross-sector enabling environment for integrated landscape management score of 2	Capacity strengthening to enhance cross-sector enabling environment for integrated landscape management score of 2	The GAP analysis on existing domestic legislation for SLM, Eregli Integrated Forest Management Plan (EIFMP), Biodiversity Management Plan, Identification & qualification of ESS were completed. SLM board had been rejected earlier because alternative options are already available	HS
	Forest policy enhancement score as reported in GEF LD tracking tool	Forest policy enhancement score of 2	Forest policy enhancement score of 2	Forest policy enhancement score of 3	EIFMP, Concept Proposal, Rehabilitation Strategy for Dryland Forestry (project site level) and Improvement of EIFMP according to international best practices (national level) were completed.	S

2021 Project Implementation Report

	Agriculture policy enhancement score as reported in GEF LD tracking tool	Agriculture policy enhancement score of 2	Agriculture policy enhancement score of 2	Agriculture policy enhancement score of 3	Rehabilitation Strategy for KCB and Best Practices Guideline were completed at site level. SLM board has been rejected because alternative options are already available (best practices of SLM are funded by national funds)	S
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Action plan to address MS, MU, U and HU rating ¹³

Outcome	Action(s) to be taken	By whom?	By when?
Outcome 1: Degraded forest and rangelands rehabilitated and management practices improved	Rehabilitation of remaining degraded range and pasture land will continue through 2021 to achieve the envisioned target of 30,000 ha	Government	By end of project
Outcome 2: Climate-smart agriculture techniques applied across productive landscapes			
Outcome 3: Enhanced enabling environment for sustainable land management			

¹³ To be completed by Budget Holder and the Lead Technical Officer

3. Progress in Generating Project Outputs

Outputs ¹⁴	Expected completion date ¹⁵	Achievements at each PIR ¹⁶					Implement. status (cumulative)	Comments. Describe any variance ¹⁷ or any challenge in delivering outputs
		1 st PIR	2 nd PIR	3 rd PIR	4 th PIR	5 th PIR	6 th PIR	
Output 1.1. Degraded range and forest lands rehabilitated using innovative technologies and practices								%
1. Complete brief implementation strategy refining pilot sites, detailing monitoring priorities, listing primary ecosystem services to be quantified and defining boundaries of land-use plans and FSC certification.	Completed	10%	90%	n/a	n/a	n/a	n/a	100 %
2. Prepare strategic rehabilitation plan to identify current rehabilitation and management gaps, and propose targeted interventions designed to address root-cause needs; types of interventions to be used, size and location of the areas to be rehabilitated in yearly basis.	Completed	10 %	90 %	n/a	n/a	n/a	n/a	100 %

¹⁴ Outputs as described in the project log frame or in any updated project revision. In case of project revision resulted from a mid-term review please modify the output accordingly or leave the cells in blank and add the new outputs in the table explaining the variance in the comments section.

¹⁵ As per latest work plan (latest project revision); for example: Quarter 1, Year 3 (Q1 y3)

¹⁶ Please use the same unity of measures of the project indicators, as much as possible. Please be extremely synthetic (max one or two short sentence with main achievements)

¹⁷ Variance refers to the difference between the expected and actual progress at the time of reporting.

2021 Project Implementation Report

3. Rehabilitate 20,000 ha of degraded forests with innovative techniques according to the strategic rehabilitation plan. 2016 Target: 7000 Ha 2017 Target: 7000 Ha 2018 Target: 6000 Ha	Completed	10 %	65%	25%	n/a	n/a	n/a	100 %	
4. Support local communities including nomadic people with incentives that prevent relapse into behaviors that originally lead to degradation; and taking precautions for improved living conditions.	Completed	10 %	40%	20%	30%	n/a	n/a	100 %	
5. Rehabilitate 10,000 ha of degraded rangelands that are within the forestlands according to the strategic rehabilitation plan.	Completed	n/a	15%	20%	20%	20%	25 %	100 %	The target is 10000 ha. However, the rangeland does not legally exist inside forests according to National Forestry Law, thus, the rangeland target was compensated by increasing the area of degraded forest rehabilitation.
6. Collecting data to monitor the success of the rehabilitation program.	Completed	10 %	n/a	n/a	60%	30%	10 %	100 %	Monitoring approach is in place for project demo sites. During project period, the observation and monitoring made by the Forest & Rangeland consultant and reflected in his BTORs
Output 1.2 Decision-making tools for range and forest lands established and delivering SLM, BD, and CC benefits								%	
1. Producing soil carbon maps to help project stakeholders to assess and monitor the CC benefits of project interventions.	Completed	10 %	20%	70%	n/a	n/a	n/a	100 %	
2. Preparation of the Ereğli Integrated Forest Management Plan (trial) that is based on an integrated land management approach focusing on maintaining and rehabilitating ecosystem integrity in order to deliver SLM, CC and biodiversity conservation benefits.	Completed	10 %	40%	40%	10 %	n/a	n/a	100 %	Completed. Part of the Ereğli Integrated Land Management Plan.

3. Generating a replication plan, identifying strategic locations within the KCB that would benefit from a similar planning exercise.	Completed	n/a	n/a	n/a	n/a	n/a	n/a	100 %	Planning process is already described in Ereğli Integrated Forest Management Plan
4. Setting-up FSC certification for forest and rangelands within at least one pilot area which will help public and private sector stakeholders to better understand the process, costs and benefits associated with certification.	Completed	10 %	10 %	20%	10 %	10 %	40 %	100 %	.
5. Developing an ecosystem services centered biodiversity integration system for the SLM focused management of production landscapes with planning and implementation decisions for different sectors including drought impact and vulnerability assessment on ecosystems and mitigation options.	Completed	10 %	20%	50 %	10 %	10 %	n/a	100 %	
6. Preparing and implementing a comprehensive biodiversity monitoring system that focuses on indicator plant and animal species to ascertain the status of globally significant species.	Completed	10 %	n/a	20%	10 %	10 %	50 %	%100	
7. Ensuring the continuation of biodiversity integration and monitoring programs through preparing a way forward plan.	Completed	n/a	n/a	n/a	n/a	50%	50 %	%100	This is included in Biodiversity Monitoring concept
8. Establishing a biodiversity and hydrology monitoring program and developing an ecological restoration strategy in order to re-establish the quality of wetland habitats and biodiversity values in Ereğli Marshes.	Completed	10 %	10 %	30%	50%	n/a	n/a	100 %	
9. Assessing the value of ecosystem services to proximate communities in order to describe how ecosystem services or lack-thereof impact the quality of life for stakeholders, particularly those reliant upon forest and rangelands for their livelihoods.	Completed	10 %	10 %	10 %	30%	40%	n/a	100 %	

10. Development of Ereğli Integrated Land Management Plan.	Completed	n/a	n/a	n/a	n/a	90%	10 %	100 %	
Output2.1 Innovative agricultural land rehabilitation technologies produce SLM, CC, and BD benefits								%	
1. Preparing a rehabilitation (investment) strategy to identify and select farms where demonstrations are most likely to show the cumulative restorative impacts.	Completed	10 %	90%	n/a	n/a	n/a	n/a	100 %	Rehabilitation Strategy for KCB is in place
2. Identifying and describing international best practices related to KCB specific restoration challenges with the participation of stakeholders and taking into account local challenges and strategic approaches to be used for above rehabilitation strategy.	Completed	10 %	90%	n/a	n/a	n/a	n/a	100 %	Best practices report is in place
3. Implementing the rehabilitation strategy on 40-50,000 ha of arable land (such as windbreaks, irrigation channel shade trees, no till farming practices, crop residue management, mulching, field traffic reduction, crop rotation approaches, drip irrigation, water harvesting, limited irrigation and drought resistant crops). 2016 Target: 10000 ha 2017 Target: 15000 ha 2018 Target: 15000 ha	Completed	10 %	50%	10 %	20%	n/a	10 %	100 %	
"4. Undertaking rehabilitation activities on 20,000 ha of pasturelands [such as wind breaks, reclamation of saline soils (e.g. water leaching, gypsum), planting drought resistant and salt tolerant species (saltbush and kochia), as well as rotational grazing/resting, use of halophyte species]. 2016 Target: 4000 ha 2017 Target: 8000 ha 2018 Target: 8000 ha	Completed	10 %	50 %	10 %	20%	n/a	10 %	100 %	
5. Integrating the conservation of endangered Great Bustards into the	Completed	10 %	30%	30%	10 %	20%	n/a	100 %	

management of arable lands in Sarayönü - Cihanbeyli pilot site followed by a dissemination strategy.									
6. Establishing the necessary monitoring structure in order to measure the success of rehabilitation implementations (such as wind erosion measurement systems).	By end of Project	10 %	-	-	10 %	10 %	10 %	30%	Rehabilitation implementations are continuing and progress is being monitored. Options for future monitoring are being evaluated to develop a monitoring framework.
7. Undertaking a comprehensive evaluation of pilot demonstrations, reporting the best practices and preparing an up-scaling plan integrated with capacity development programs.	By end of Project	10 %	-	-	10 %	30%	30 %	70%	Demonstrations are continuing and progress is being evaluated by the consultants and service providers. Best practices are being developed as bases for future up-scaling plans.
Output2.2 Demonstration of innovative methane capture and agriculture production technologies generate SLM, CC, and BD benefits waste									
1. Investigating current practices and identifying specific opportunities within the project's pilot site area in terms of GHG emissions. This will include identifying participants and completing a comprehensive business plan describing the investment requirements, potential returns, operational approaches, decision-making frameworks, management responsibilities, as well as the intended climate change mitigation benefits.	By end of Project	n/a	60%	n/a	30%	-		90%	Draft biogas reports for digesters have been prepared and are currently under review
2. Establishing several digesters aiming at methane capture of 10,000 CO ₂ eq with monitoring activities to make certain climate change mitigation levels are being reached, accompanied by public outreach activities to make other potential groups of agricultural interests aware of the program and to create pathways for replication.	By end of Project	n/a	30%	n/a	50%	n/a	10 %	90%	Four biogas digesters were established and made operational.
3. Devising a strategic investment plan to help farmers reduce emissions and alleviate climate change vulnerabilities	By Project end	n/a	30%	n/a	20%	30%	20%	100 %	Strategic investment plans are being prepared within different areas of conservation agriculture such as biogas digesters, programmed irrigations, and reduced

during design and application of specific interventions in the field by low or negative cost interventions. Possible interventions may include low carbon technologies, residue management, mulching, providing viable alternatives to the practice of burning crop residues, lowering water consumption, improving the efficiency of fertilizer use, reduced tillage, recuperation of degraded land, improved management of manure, adoption of agro-forestry practices.									tillage and land rehabilitations. Low carbon technologies, CA activities and rehabilitation interventions are covered by the plans and demonstrated in the field through the demonstrations established.
4. Increasing the ownership of GHG emission reduction techniques through training in Farmer Field Schools.	By End of Project	n/a	30%	n/a	30%	20%	n/a	%80	Training for farm owners, government staff and FFS members for bio digesters has been planned. However, could not be conducted due to COVID-19 outbreak
5. Designing a hand-over strategy with best practices and guidelines for the GoT to disseminate the results.	By End of Project	n/a	n/a	n/a	50	n/a	30%	%80	
Output 3.1 Institutional integrated management capacity building program established for national and local level decision-makers									
1. Elaborating the legislative framework (laws, regulations and guidelines) for SLM practices.	Completed	-	40%	60%	n/a	n/a	n/a	100 %	
2. Establishing the IEG body (SLM board) to ensure informed SLM decision-making.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	The proposal for establishment of SLM Board had been declined earlier by national project partners who recommended using existing bodies.
3. Undertaking a series of awareness raising and technical training activities (best practice guide) targeted at the decision makers in the relevant ministries on SLM.	By end of project	n/a	20%	30%	20%	10 %	10 %	%90	Carried out through the training workshops, on the job trainings under project components. The second period of this planning year has been interrupted due to COVID-19 outbreak.
Output 3.2 Innovative agricultural land rehabilitation technologies produce SLM, CC, and BD benefits									
1. Conducting several training activities targeting technical staff of provincial and regional directorates of MAF to	By end of project	n/a	50%	10 %	10 %	10 %	10 %	%90	Several online training workshops were organized, such as biodiversity monitoring, Gender Action Plan and programmed irrigation

2021 Project Implementation Report

build appropriate institutional capacity on SLM and CSA (national and pilot area level).									
2. Designing FFS curriculum to teach international best practices based upon a needs assessment and integrating biodiversity conservation specific issues (e.g. women cohort training module) and knowledge building.	By end of project	n/a	20%	n/a	40%	n/a	20%	%80	A brochure for women farmers has been developed and under review for publication (in Turkish), with a title 'Impact of climate change on women farmers and fight against drought'
4. Establishing and operationalizing Farmer Field Schools as a tool of capacity-building in the region focusing on issues related to ecosystem-based adaptation principles, knowledge of SLM, climate change and biodiversity conservation with global best practices.	By end of project	-	20%	10 %	30%	15%	10 %	%85	12 demonstration plots were established for conduct of FFS sessions focusing on no-till practices, pasture management and drought tolerant varieties on winter (cereals) and summer (legumes) crops. However, the sessions have been interrupted due to COVID-19 outbreaks and contingency plans are being implemented.
5. Designing strategy for national upscaling for FFS capacity-building, transferring responsibilities and sustainable financing for national upscaling.	By end of project	n/a	n/a	n/a	50%	10 %	20%	%80	A national upscaling strategy proposal is being prepared by the Service Provider including sustainable financing options based on the practical experiences
6. Developing and disseminating implementation guidelines (best practices) for SLM, specifically for restoration of degraded lands to be applied by the MAF; for conservation agriculture to be applied by farmers and cooperatives in cooperation with Agriculture departments of MAF; and for range/pasture rehabilitation to be applied by forestry departments of MAF and local authorities.	By end of project	n/a	n/a	n/a	70%	10 %	10 %	%90	The project reports are in editing process. The reports will be published and disseminated to the stakeholders
7. Designing and implementing awareness-raising program for local beneficiaries on SLM practices (e.g. workshops and other dissemination events such as articles, TV and publications).	By end of project	-	30%	10%	30%	10%	10 %	%90	Field level activities have been interrupted due to COVID-19 pandemic, but visibility materials are being developed for wider outreach and mass media.
Output3.3 Project monitoring and carbon monitoring system based on EX-ACT established									

1. Setting up a monitoring system to measure achievement of project indicators for informed decision-making and preparing hand-over strategy by project end.	By end of Project	-	%10	%10	20%	%30	%15	%85	
2. Establishing a carbon monitoring system based on EX-ACT in Turkey.	By end of Project	-	10%	15%	40%	15%	10 %	90%	

4. Information on Progress, Outcomes and Challenges on Project Implementation

Please briefly summarize main progress achieving the outcomes (cumulative) and outputs (during this fiscal year):

Max 200 words:

The ownership of the executing partners has continued to increase resulting from major deliveries of the project such as the following:

- completion of certification of low density forests in project site and Certification workshop in project sites including participation of village Muhtars
- Finalizing tender for procurement of drones for monitoring Eregli forests, establishment of apiculture forests and live fence, establishment of windbreaks in two different project locations and beehives, bee colonies and equipment
- Launching the tender for improvement of biogas systems
- signing an LoA to set-up demonstrations for drought tolerant leguminous crops and establishment of field demonstrations and FFSs,
- Completion of biodiversity monitoring concept focusing on all land use types existing in the project sites
- Compilation of the results of irrigation demonstrations, which showed clearly the possibility of saving water and energy while increasing yield
- Socio-economic surveys and development of Gender Action Plan
- Workshops and awareness raising on irrigation, biodiversity monitoring and Gender Action Plan.
- A mission conducted to the project sites with the participation of Director General of the Project Lead Unit of the Ministry
- Completion of the improvement of Eregli Integrated Forest Management Plan (EIFMP) according to International best practices

What are the major challenges the project has experienced during this reporting period?

Max 200 words:

There was an additional challenge in this reporting period differing from those identified in the past PIR report. The high rate of the incidents of COVID-19 and thus the prolonged measures taken by the government has led to the postponement of many field activities. Further to this, extreme drought conditions experienced in the spring of 2021 has led to failure of crops in a number of demonstration sites. Although the dry conditions helped demonstrating advantages of certain practices such as direct sowing and drought tolerant varieties, in certain locations the impact was so extreme that crops failed to emerge or dried out completely. Remedies to compensate these activities are currently under consideration.

Development Objective Ratings, Implementation Progress Ratings and Overall Assessment

	FY2020 Development Objective rating ¹⁸	FY2021 Implementation Progress rating ¹⁹	Comments/reasons justifying the ratings for FY2021 and any changes (positive or negative) in the ratings since the previous reporting period
Project Manager / Coordinator	S	S	<i>The project global targets are achieved. However, some of the project deliveries are postponed due to restrictions related to COVID-19 outbreak</i>
Budget Holder	S	S	<i>In spite of the delays in implementation of field activities due to COVID-19 The project is on track.</i>
Lead Technical Officer²⁰	S	S	<i>Most of the project objectives were already achieved as the NTE is approaching, implementation progress (which has been slowed down by the pandemic) is still acceptable, and overall assessment is rather positive</i>
GEF Operational Focal Point	S	S	<i>Many activities promised in the project have been completed satisfactorily. Postponed activities due to the COVID 19, are expected to be completed by the end of the project.</i>

¹⁸ **Development/Global Environment Objectives Rating** – Assess how well the project is meeting its development objective/s or the global environment objective/s it set out to meet. For more information on ratings, definitions please refer to Annex 1.

¹⁹ **Implementation Progress Rating** – Assess the progress of project implementation. For more information on ratings definitions please refer to Annex 1.

²⁰ The LTO will consult the HQ technical officer and all other supporting technical Units.

FAO-GEF Funding Liaison Officer	S	S	<p><i>While COVID-19 slowed down project delivery during 2020 and 2021, the project has delivered most of its outputs (i.e. 99% of the outputs have achieved at least an 80% level of completion). Only the monitoring structure to measure the success of rehabilitation works needs to be fully developed. Results on this are expected by the end of 2021.</i></p> <p><i>Despite the good development, the project is seeking a no cost extension until the second semester of 2022 in order to finalize project activities related to rehabilitation, forest certification, alternative livelihoods, and to carry out the final evaluation. These activities will be carried out using resource savings from exchange rate fluctuations (exchange rate went from nearly 3.5 Turkish Lira per dollar in mid-2017 to currently 8.7 TL per USD) and savings from travel and meetings cancelled due to covid-19. The project's final evaluation is expected to be conducted between June-Sept 2022.</i></p> <p><i>The final PIR will be presented to GEFSEC in July 2022.</i></p>
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5. Risks

Environmental and Social Safeguards (Under the responsibility of the LTO)

Overall Project Risk classification (at project submission)	Please indicate if the Environmental and Social Risk classification is still valid ²¹ . If not, what is the new classification and explain.
Low	Yes, including by adding the pandemic issue

Please make sure that the below risk table include also Environmental and Social Management Risks captured by the Environmental and social Management Risk Mitigations plans.

Risk ratings

RISK TABLE
<i>The following table summarizes risks identified in the Project Document and reflects also any new risks identified in the course of project implementation. The <u>Notes</u> column should be used to provide additional details concerning manifestation of the risk in your specific project, as relevant.</i>

²¹ **Important:** please note that if the Environmental and Social Risk classification is changing, the ESM Unit should be contacted and an updated Social and Environmental Management Plan addressing new risks should be prepared.

	Risk	Risk rating²²	Mitigation Action	Progress on mitigation actions²³	Notes from the Project Task Force
1	Poor coordination for SLM	Medium	See Prodoc for details	Consistent with the measures outlined in the Prodoc. In addition, this risk actually decreased during the project implementation due to merging of initially existing two separate Ministries (Agriculture and Forestry) under one. Rating as of today would be more appropriately 'medium'	
2	Weak capacity of local and national institutions	Medium	See Prodoc for details	Consistent with the measures outlined in the Prodoc, which proved to be successful	
3	Low ownership and lack of sustainability of new technologies and techniques	Low	See Prodoc for details	Consistent with the measures outlined in the Prodoc, which proved to be successful	

²² GEF Risk ratings: Low, Medium, Substantial or High

²³ If a risk mitigation plan had been presented as part of the Environmental and Social management Plan or in previous PIR please report here on progress or results of its implementation. For moderate and high risk projects, please Include a description of the ESMP monitoring activities undertaken in the relevant period".

4	Natural calamities	Medium	See Prodoc for details	Consistent with the measures outlined in the Prodoc, In addition, ongoing COVID-19 pandemic contributes to slight increase of the original 'medium' rating. Hence, additional mitigations measures were deployed to address this newly emerged risk. Additional mitigation measures include most and foremost no-cost project extension by 1 year. However, it should be noted that other mitigation measures (except project extension) are designed mainly to protect project stakeholders against infections. Mitigation measures to compensate fully for the pandemic caused lack of face-to-face interactions among stakeholders together with GoT imposed moving restrictions are unfortunately not	
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				<p>available. Hence, delays are inevitable and cannot be fully compensated despite of the project extension. Some examples of the other mitigation measures are listed here; LoAs and contracts are amended by considering COVID-19 case (i.e. field activities either cancelled or shifted to online mode). Consequent implementation of Workshops and trainings online. Visibility materials distributed to stakeholders via digital channels. Digital solutions attempted to implement field days. Precautions for COVID-19 stated in guidelines of FAO and government applied when activities are implemented in the field. Further to Covid 19 pandemic, extreme</p>	
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	Risk	Risk rating ²²	Mitigation Action	Progress on mitigation actions ²³	Notes from the Project Task Force
				drought conditions in 2021 affected severely the performance of field demonstrations	
5	Climate change	Low	See Prodoc for details	Consistent with the measures outlined in the Prodoc,	

Project overall risk rating (Low, Medium, Substantial or High):

FY2020 rating	FY2021 rating	Comments/reason for the rating for FY2020 and any changes (positive or negative) in the rating since the previous reporting period
High	Medium	COVID-19 period has led to delays in project activities. Since the activities in the field depend on the season, there is a risk that some will not be completed during project lifetime, despite of project extension, largely due to Covid 19 related measures exacerbated also by extreme droughts in spring 2021. Fortunately, the pandemic hit in the last years of implementation and the granted extension helped completion of majority of the activities to a large extent. Possible extension would facilitate completion of the remaining activities to fulfil the objectives outlined in the prodoc.

6. Adjustments to Project Strategy

Please report any adjustments made to the project strategy, as reflected in the results matrix, in the past 12 months²⁴

Change Made to	Yes/No	Describe the Change and Reason for Change
Project Outcomes	No	Outcome 2. iii): The target `50 livestock producers and 10.000 livestock heads contribute to methane capture` has been changed as `4 livestock producers` and 1200 livestock head – year`. This is because the four digesters were designed for small size farms (550 heads on average) to use manure from 100 heads originally. With the ongoing improvement activities manure from 200 heads can be utilised. Hence it is not possible to use manure from external farms due to this limitation. Thus, during the project implementation period a target of 1200 livestock heads is feasible.
Project Outputs	No	

Adjustments to Project Time Frame

If the duration of the project, the project work schedule, or the timing of any key events such as project start up, evaluations or closing date, have been adjusted since project approval, please explain the changes and the reasons for these changes. The Budget Holder may decide, in consultation with the PTF, to request the adjustment of the EOD-NTE in FPMIS to the actual start of operations providing a sound justification.

Change	Describe the Change and Reason for Change
Project extension	Original NTE: 31 December 2020 Revised NTE: 31 December 2021 No cost extension option was granted on 30 April 2020 by Funding Liaison Officer to complete the deliveries of already committed project contracts and LoAs by considering COVID-19 outbreak.

²⁴ Minor adjustments to project outputs can be made during project inception. Significant adjustments can be made only after a mid-term review/evaluation or supervision missions. The changes need to be discussed with the FAO-GEF Coordination Unit, then approved by the whole Project Task Force and endorsed by the Project Steering Committee.

7. Gender Mainstreaming²⁵

Information on Progress on gender-responsive measures as documented at CEO Endorsement/Approval in the gender action plan or equivalent (when applicable)

Was a gender analysis undertaken or an equivalent socio-economic assessment made at formulation or during execution stages? Please briefly indicate the gender differences here.

Socio-economic surveys are completed and a Gender Action Plan is in place.

Does the M&E system have gender-disaggregated data? How is the project tracking gender results and impacts?
The data is not available

Does the project staff have gender expertise? Gender experts of FAOSEC/FETUR provided technical support to the Project, providing trainings and guidance in workshops and certain activities.

If possible, indicate in which results area(s) the project is expected to contribute to gender equality:

The project expects to contribute to:

- closing gender gaps in access to and control over natural resources;
- improving women's participation and decision making; and or
- generating socio-economic benefits or services for women
- benefiting from capacity building interventions and trainings

Voluntary contribution to other points under the section 7. Gender mainstreaming is declined

8. Indigenous Peoples Involvement

Are Indigenous Peoples involved in the project? How? Please briefly explain.

If applies, please describe the process and current status of on-going/completed, legitimate consultations to obtain Free, Prior and Informed Consent (FPIC) with the indigenous communities

N/A

²⁵ The response in this section is voluntary contribution

9. Stakeholders Engagement²⁶

Please report on progress, challenges and outcomes on stakeholder engagement (based on the description of the Stakeholder engagement plan included at CEO Endorsement/Approval (when applicable))

If your project had a stakeholder engagement plan, specify whether any new stakeholders have been identified/engaged:

If a stakeholder engagement plan was not requested for your project at CEO endorsement stage, please

- list all stakeholders engaged in the project;
- Please indicate if the project works with Civil Society Organizations and/or NGOs
- briefly describe stakeholders' engagement events, specifying time, date stakeholders engaged, purpose (information, consultation, participation in decision making, etc.) and outcomes.

Please also indicate if the private sector has been involved in your project and provide the nature of the private sector actors, their role in the project and the way they were involved

Voluntary contribution to other points under the section 9. Stakeholder engagement is – apart of the below provided table – declined

The List of Stakeholders Engaged in the Project

List of stakeholders	Category	Engagement mechanism	Beneficiaries
Ministry of Agriculture and Forestry (ÇEM and OGM) – General Directorate of Combatting Desertification and General Directorate of Forestry	Government	Partnership, decisions making	Main Beneficiaries
Ministry of Agriculture and Forestry (TRGM) – General Directorate of Agricultural Reform	Government	Partnership, decisions making	Main Beneficiary
General Directorate of Agricultural Research and Policies (TAGEM)	Government	LoA Partner	-
Provincial (2) and District (5) Directorates of the Ministry of Agriculture and Forestry	Government	Partnership, decisions making	Main Beneficiary
Nature Conservation Centre (DKM)	NGO	LoA and project partner	-
Konya Şeker	Private Sector	Project partner	-
Farmers, shepherds	Rural people	FFS, incentives provision	Local beneficiaries
Honey producers	Private Sector	Information, incentives provision	-

²⁶ The response in this section is voluntary contribution

Konya Teknokent / Selcuk University Konya	Academia	LoA Partner	-
Bahri Dagdas International Agricultural Research Institute	Research	LoA Partner	-
Field Crops Central Research Institute Directorate	Research	LoA Partner	-
Temmuz Organic Farming	Private Sector	LoA Partner collaborator	-

10. Knowledge Management Activities²⁷

Knowledge activities / products (when applicable), as outlined in knowledge management approved at CEO Endorsement / Approval*Does the project have a knowledge management strategy? If not, how does the project collect and document good practices? Please list relevant good practices that can be learned and shared from the project thus far.*

All knowledge materials produced are deposited in the Project Management Depository of FAO. Similarly, official publications are deposited and published in the official website of the organisation. These are also shared with the Ministry.

The knowledge products and outcomes of the interventions are communicated on public channels.

Does the project have a communication strategy? Please provide a brief overview of the communications successes and challenges this year.

The project communication strategy has been implemented during the implementation of the project activities, events, workshops and missions conducted at the local sites. These activities have been well publicized for awareness raising through the use of appropriate promotional materials and approaches. Publicity materials are being developed for the use of mass media in spite of COVID-19.

Please share a human-interest story from your project, focusing on how the project has helped to improve people's livelihoods while contributing to achieving the expected global environmental benefits. Include at least one beneficiary quote and perspective, and please include related photos and photo credits.

Bees are a key component of our ecosystem and critical to maintaining biodiversity and the balance of nature. Beekeeping also provides a source of income for local people. Last year, the Food and Agriculture Organization of the United Nations (FAO), in cooperation with the Ministry of Agriculture and Forestry, distributed 400 beehives and auxiliary equipment to four villages as part of the "Sustainable Land Management and Climate Friendly Agriculture" project.

This year, due to high demand, FAO organized a raffle event to distribute 1 220 bee hives and equipment in eight other villages in the region. The bee kits consisted of a Caucasian queen bee and bee colony as well as basic beekeeping equipment such as masks, gloves, honey knives, honey candles and queen separation apparatus. At a ceremony held for the raffle, FAO Project Coordinator, Dr Fatma Gungor, explained that the dual aims of the project are to help protect the environment and nature and support the livelihoods of farmers. She elaborated as follows: "These beehives are being distributed not only to provide additional income to farmers but also to help prevent the extinction of bees. We hope that you will find them useful."

²⁷ The response in this section is voluntary contribution

Mr Nurettin Taş, Director General of the General Directorate of Combating Desertification and Erosion, also spoke at the ceremony emphasizing the importance of helping villages to become self-sustainable. In his speech, he highlighted the requests made in meetings with FAO and local Mukhtars to increase the number of beehives and confirmed that “more hives would be distributed throughout the month to provide villages with additional income.”

One of the beneficiaries, Zeynep Eriş, explained what the project meant to her: “Bees are beneficial to our mountains, gardens and nature. We love them! I have been beekeeping for six to seven years – I feed my children with honey because I want them to be healthy. We make use of everything the bees provide – pollen, honey and bee milk. All villagers should take up beekeeping and develop the practice.”

Photos:



Photo: ©FAO/Beehives Distribution



Photo: ©FAO

Please provide links to publications, leaflets, video materials, related website, newsletters, or other communications assets published on the web.

The following visibility materials are completed. These materials and will be added to the FAO Publications Workflow System (PWS) which is the corporate planning and monitoring tool that contributes to the production of cost-effective, high-quality and targeted publications.

- Booklet on irrigation
- Booklet on project improvements
- Reports
- Promotional materials for farmers
- Video project

Media Links and Evaluation

News Number: Indicates the amount of news in the printing media.

Total Access: It refers to how many people the reflections in the publications reach with the calculation made within certain criteria.

NEWS TYPE	TOTAL NEWS NUMBER	TOTAL ACCESS
PRINT NEWS	56	1.377.500
INTERNET	226	2.245.464
TV	1	-
TOTAL	283	3.622.964

<https://tr.investing.com/news/markets/fao-surdurulebilir-arazi-yonetimi-ve-klim-dostu-tarm-projesi-kapsamnda-konya-ve-karamanda-biyocesitlilik-zleme-sureclerini-baslatt-2007744>

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Does the project have a communication and/or knowledge management focal point? If yes, please provide their names and email addresses

Project has communication focal point. Safak TOROS, Safak.Toros@fao.org

11. Innovative Approaches

Please provide a brief description of an innovative²⁸ approach in the project / programme, describe the type (e.g. technological, financial, institutional, policy, business model) and explain why it stands out as an innovation.

The region is facing serious water deficiency and increasing irrigated production is putting more pressure on water resources. This is exacerbated by inefficient irrigation practices through traditional irrigation or improper use of drip irrigation systems. To introduce programmed drip irrigation techniques and approaches to the farmers, demonstrations were established and farmers trained in 28 demonstration plots.

Through these demonstrations, water savings were achieved at a level of 28% and 23% for maize and sugar beet as well as 25% and 26% electricity savings respectively. Further to these savings, yield increase of more than 25% in maize and 8% in sugar beet (sugar) were achieved. This was a robust evidence and message to farmers showing that more can be produced with less inputs being a practical example of the 'save and grow' concept of FAO.

This message was well received by the farmers and also the government authorities, and subject for an interview of the officers involved in the work by the Turkish Radio and Television channel making broadcasts for Central Asia.

²⁸ Innovation is defined as *doing something new or different in a specific context that adds value*

12. Co-Financing Table

Sources of Co-financing ²⁹	Name of Co-financer	Type of Co-financing	Amount Confirmed at CEO endorsement / approval	Actual Amount Materialized at 30 June 2021	Actual Amount Materialized at Midterm or closure (confirmed by the review/evaluation team)	Expected total disbursement by the end of the project
Local Government	ÇEM, OGM	Cash & in-kind	10,100,000	27,179,228		
Local Government	TRGM	Cash & in-kind	8,700,000	60,934,034		
Private Sector	Konya Şeker	Cash	1,000,000	1,000,000		
Civil Society Organization	DKM	Cash & in-kind	1,800,000	1,954,913.5		
GEF Agency	FAO	Cash & in-kind	700,000	897,440		
		TOTAL	22,300,000	90,965,616		

Please explain any significant changes in project co-financing since Project Document signature, or differences between the anticipated and actual rates of disbursement

²⁹ Sources of Co-financing may include: Bilateral Aid Agency(ies), Foundation, GEF Agency, Local Government, National Government, Civil Society Organization, Other Multi-lateral Agency(ies), Private Sector, Beneficiaries, Other.

Annex 1. – GEF Performance Ratings Definitions

Development/Global Environment Objectives Rating – Assess how well the project is meeting its development objective/s or the global environment objective/s it set out to meet. **DO Ratings definitions:** **Highly Satisfactory (HS)** - Project is expected to achieve or exceed **all** its major global environmental objectives, and yield substantial global environmental benefits, without major shortcomings. The project can be presented as “good practice”); **Satisfactory (S)** - Project is expected to achieve **most** of its major global environmental objectives, and yield satisfactory global environmental benefits, with only minor shortcomings); **Moderately Satisfactory (MS)** - Project is expected to achieve **most** of its major relevant objectives but with either significant shortcomings or modest overall relevance. Project is expected not to achieve **some** of its major global environmental objectives or yield some of the expected global environment benefits); **Moderately Unsatisfactory (MU)** - Project is expected to achieve of its major global environmental objectives with major shortcomings or is expected to achieve only **some** of its major global environmental objectives); **Unsatisfactory (U)** - Project is expected **not** to achieve **most** of its major global environment objectives or to yield any satisfactory global environmental benefits); **Highly Unsatisfactory (HU)** - The project has failed to achieve, and is not expected to achieve, **any** of its major global environment objectives with no worthwhile benefits.)

Implementation Progress Rating – Assess the progress of project implementation. **IP Ratings definitions:** **Highly Satisfactory (HS):** Implementation of all components is in substantial compliance with the original/formally revised implementation plan for the project. The project can be resented as “good practice”. **Satisfactory (S):** Implementation of most components is in substantial compliance with the original/formally revised plan except for only a few that are subject to remedial action. **Moderately Satisfactory (MS):** Implementation of some components is in substantial compliance with the original/formally revised plan with some components requiring remedial action. **Moderately Unsatisfactory (MU):** Implementation of some components is not in substantial compliance with the original/formally revised plan with most components requiring remedial action. **Unsatisfactory (U):** Implementation of most components is not in substantial compliance with the original/formally revised plan. **Highly Unsatisfactory (HU):** Implementation of none of the components is in substantial compliance with the original/formally revised plan.

Annex 2: COORDINATES OF PROJECT SITES

PILOT SITES	NORTH		SOUTH		EAST		WEST	
Sarayönü-Cihanbeyli	39° 1'33.26''K	32°22'29.62''D	38°25'3.37''K	32°16'25.03''D	38°38'54.81''K	32°55'25.56''D	38°35'40.80''K	32°14'1.77''D
Ayrancı-Karaman	37°21'23.06''K	34° 2'38.49''D	36°58'1.71''K	34° 0'57.84''D	37°17'1.61''K	34°12'44.36''D	37° 8'52.62''K	33°13'22.66''D
Konya-Yeşilkuşak	38° 9'23.61''K	32°22'54.10''D	37°44'45.28''K	32° 8'33.94''D	38° 3'16.44''K	32°31'0.21''D	37°48'20.65''K	32° 1'11.22''D
Karapınar-Ereğli-Emirgazi	37°56'3.35''K	33°52'1.66''D	37°17'33.69''K	34° 6'37.46''D	37°40'23.14''K	34°15'19.56''D	37°37'55.05''K	33°25'0.29''D