



Project Implementation Report

(1 July 2022 – 30 June 2023)

Project Title:	Innovative Clean Technology Enterprise Development – Institutionalization and Expansion of the Global Cleantech Innovation Programme (GCIP) in SMEs in Türkiye
GEF ID:	10455
UNIDO ID:	180282
GEF Replenishment Cycle:	GEF-7
Country(ies):	TÜRKİYE
Region:	MNA - Middle East and North Africa
GEF Focal Area:	Climate Change Mitigation (CCM)
Integrated Approach Pilot (IAP) Programs¹:	N/A
Stand-alone / Child Project:	Child Project of Global Cleantech Innovation Programme (GCIP) to accelerate the uptake and investments in innovative cleantech solutions (10408)
Implementing Department/Division:	ENE / CTI
Co-Implementing Agency:	n/a
Executing Agency(ies):	TÜBİTAK
Project Type:	Medium-Sized Project (MSP)
Project Duration:	60 months
Extension(s):	None
GEF Project Financing:	USD 1.776.484
Agency Fee:	USD 159,884.00
Co-financing Amount:	USD 17,050,000.00
Date of CEO Endorsement/Approval:	10 June 2021
UNIDO Approval Date:	17 Dec 2021
Actual Implementation Start:	31 Dec 2021
Cumulative disbursement as of 30 June 2023	USD 1,649,960.00

¹ Only for GEF-6 projects, if applicable

Mid-term Review (MTR) Date:	24 Feb 2025
Original Project Completion Date:	31 Dec 2026
Project Completion Date as reported in FY22:	N/A
Current SAP Completion Date:	31 Dec 2026
Expected Project Completion Date:	31 Dec 2026
Expected Terminal Evaluation (TE) Date:	24 Oct 2026
Expected Financial Closure Date:	1 June 2027
UNIDO Project Manager²:	Olga RATAJ

I. Brief description of project and status overview

Project Objective
<p>The project's objective is to accelerate the uptake and investments in cleantech innovations and promote coordination and ecosystems connectivity.</p> <p>The project aims to:</p> <ol style="list-style-type: none"> 1) Transform early-stage innovative cleantech solutions into scalable enterprises. The focus is on enhancing very early-stage innovative cleantech solutions and providing acceleration support related to entrepreneurship and business skills training. In addition, targeted technical assistance is offered to the start-ups/SMEs that were accelerated and have traction and sales evidence, but which still need specialized enterprise growth support. Furthermore, start-ups/SMEs in the expansion stage will receive tipping-point investment facilitation services to raise investment. 2) Strengthen the capacities of cleantech innovation and entrepreneurship ecosystem stakeholders. The activities are designed to maximize the impact of GCIP by strengthening national cleantech ecosystems of GCIP partner countries, identifying synergies across national ecosystems, and connecting ecosystems for knowledge exchange and partnership building. At the national child project level, development of policies and regulations to promote cleantech innovation is prioritised. 3) Engage with the GCIP global coordination child project (also referred to as GCIP Global) to ensure programme coordination and coherence. To maintain coherence and standards of GCIP execution across multiple countries, GCIP guidelines are developed and disseminated.

Baseline
<p>First launched in 2013, the Global Clean Technologies Entrepreneurship Program was developed by TÜBİTAK and UNIDO in Türkiye under the auspices of the Ministry of Industry and Technology, with funding from the Global Environment Facility (GEF). The Ministry of Agriculture and Forestry of the Republic of Türkiye (GEF Focal Point), the Ministry of Energy and Natural Resources and the Ministry of Environment and Urbanization together with the Technology Development Foundation of Türkiye (TTGV) and the Small and Medium Enterprises Development Organization (KOSGEB) were among the official stakeholders of GCIP. The main purpose of the project was to encourage innovation in clean technologies in Türkiye. In this context, a 3-year first phase of GCIP was completed.</p> <p>The impacts of the first project, which was focused on acceleration and contest activities, were positive but remained limited. For this reason, another project was prepared together with UNIDO with an increased focus on the commercialization and market readiness aspects.</p>

² Person responsible for report content

Turkey ranks 33rd in the Global Cleantech Index. The country scores high on entrepreneurial culture indicators and as an active early-stage ecosystem. However, Turkey lacks a cleantech supportive policy environment, and does not have ready access to private finance. The volume of early-stage finance is relatively low, despite the presence of several venture capital funds and corporate venture capital investors. Turkey's innovation ecosystem has a variety of players: accelerators, incubators, angel investors and venture capitalists, universities, governmental bodies and their support programmes, as well as Technology Transfer Offices.

Turkey is in an unusual position: it is a middle-income country with low historic emissions, yet is also among the developed countries which form the OECD. The developing Turkish economy and the nation's demand for energy have been growing rapidly, trends that are set to continue. With its expanding energy needs, driven in part by population growth, mostly being met by fossil fuels, in particular, coal for electricity generation, Turkey's emissions are set to rise significantly.

Please refer to the explanatory note at the end of the document and select corresponding ratings for the current reporting period, i.e. FY2x. Please also provide a short justification for the selected ratings for FY22.

Overall Ratings ³	FY23	FY22
Global Environmental Objectives (GEOs) / Development Objectives (DOs) Rating	Satisfactory (S)	Unknown
The project is on track to achieve most of its major global environmental objectives and yield satisfactory global environmental benefits.		
Implementation Progress (IP) Rating	Moderately Satisfactory (MS)	Unknown
The project was initially delayed due to limited personnel resources available in TÜBİTAK to carry out the planned activities. The project was able to get back on track to implement most components in compliance with the original/formally revised plan after the recruitment of PMU personnel.		
Overall Risk Rating	Low Risk (L)	Unknown
With additional PMU resources the project overall risk is low, as the planned activities are back on track and in line with the project objective.		

II. Targeted results and progress to-date

Please describe the progress made in achieving the outputs against key performance indicator's targets in the project's **M&E Plan/Log-Frame at the time of CEO Endorsement/Approval**. Please expand the table as needed.

³ Please refer to the explanatory note at the end of the document and assure that the indicated ratings correspond to the narrative of the report

Results	Indicators	Baseline	Targets	Achieved in reporting period
Outcome 1.1 Early-stage cleantech innovations are accelerated	New technical and financial services provided through accelerator services and the identification and certification of cleantech mentors, judges and coaches for SMEs and Start-ups.	<p>Limited awareness of cleantech innovations.</p> <p>Limited resources for early stage cleantech innovators.</p> <p>Limited access for early stage. cleantech experts into broader networks.</p> <p>No existing certified pool of cleantech experts.</p> <p>Limited business and market entry support services available for cleantech SMEs and entrepreneurs.</p>	<p>Technical tools and experts are developed, trained and operational to enable the conduct of cleantech accelerators.</p> <p>Strengthened market readiness support to start-ups and SMEs through the provision of advanced acceleration services.</p>	
Output 1.1.1. The GCIP guidebooks are adapted for the GCIP Türkiye	<p># of potential cleantech experts identified.</p> <p># of methodologies, guidelines and tools and training systems developed.</p> <p># and quality of training and mentoring cleantech experts capable of organising cleantech accelerators at national level.</p> <p># training material including gender awareness training.</p>	<p>Limited capacity to conduct cleantech innovation accelerators and provide business growth services.</p> <p>Limited technical and administrative capacity of entrepreneurs.</p>	<p>Specific methodologies, guidelines, tools, and training systems for the uptake of cleantech ecosystem developed.</p> <p>At least 30 cleantech experts (mentors, judges, and coaches) are trained and equipped with the necessary skills and tools to support the uptake of cleantech innovation and early-stage business growth (of which 35% are women).</p>	<p>15 cleantech experts identified as mentors.</p> <p>33 cleantech experts engaged as judges.</p>

Output 1.1.2. Pool of cleantech innovation and entrepreneurship experts (30 trainers, mentors, judges) is trained and certified to support the GCIP Türkiye Accelerator	<p># of roadshows and outreach events in the provinces.</p> <p># trained and certified national mentors/judges (>35% women participants).</p> <p># of mentors focusing on women's needs.</p> <p>% of mentors that participate in gender-sensitization and took the 'I-know-gender' training.</p>	No confirmed outreach for hospitality sector, industry, and manufacturing; some existing outreach to agricultural sector.	<p>100 potential entrepreneurs/early-stage business concepts identified per sector (100 in total).</p> <p>30 national mentors/judges trained and certified (>35% women participants; 100% participate in the "I know Gender" training).</p>	<p>30 entrepreneurs selected for the Accelerator 2023.</p> <p>The applications for the accelerator ended at 5th of July 2023. If the progress report requests information about activities until 30th of June, the number of entrepreneurs should be reported as zero.</p>
	# of sectors / cleantech categories (agri-value chains/industry; industry; manufacturing; hospitality) supported through early-stage awareness building and outreach.	PFAN has supported one cleantech company in Türkiye and various organisations focusing on relevant sectors are organising support for start-ups in Türkiye, though capacity is currently insufficient (see baseline table).	4 of the 4 targeted sectors are covered by the selected SMEs/Start-ups.	All sectors are covered by applicants to the Accelerator 2023.
Output 1.1.3. Three (3) cycles of the annual competition based GCIP Türkiye Accelerator are conducted (100 firms in total)	<p># of pre-accelerator courses held.</p> <p># pre-accelerator participants per course (gender disaggregated).</p> <p># GCIP accelerators held.</p> <p># competition entries.</p> <p># semi-finalists and finalists (gender-disaggregated).</p> <p># entrepreneurs identified, coached, and promoted during the Cleantech programme (gender disaggregated).</p> <p>#national GCIP forum.</p> <p># semi-finalists and finalists (>35% women participants).</p> <p># of partners involved that promote GEEW for the outreach.</p> <p># entrepreneurs</p>	Limited accelerators in agriculture and industry that lack a specific cleantech focus.	<p>3 accelerator rounds conducted</p> <p>100 firms attend in total (at least 30% women owned, and at least 35% of women in the staff population of the winners) and receive training and networking.</p> <p># of partners involved that promote gender equality and the empowerment of women for the outreach.</p> <p># of trainings targeted at women's needs.</p> <p>Gender responsive presentation material</p>	<p>Two Pre-accelerators and one extensive awareness event conducted.</p> <p>First Accelerator round is in progress with 25 firms.</p>

	identified, coached and promoted during the Cleantech programme (>35% women participants). # of trainings targeted at women's needs Gender responsive presentation material. Gender responsive outreach.		Gender responsive outreach.	
Outcome 1.2. Start-ups and SMEs are supported through advanced and gender-responsive business growth and investment facilitation services	Financial mechanism established to provide access to pre-seed and seed support for SMEs and start-ups.	Limited pre-seed and seed support for start-ups	SMEs and start-ups receive adequate business support and financing to engage with commercial investors; an alumni network established to further support start-ups and SMEs to develop investor-ready cleantech businesses.	
Output 1.2.1 Targeted business growth support services are provided to selected cleantech enterprises towards commercialization (at least 12 firms receive support)	# entrepreneurs participating in support services (gender disaggregated). # targeted support for women-led enterprises. # targeted support for products/services that promote gender equality and women's empowerment.	Limited availability of early-stage business growth coaching and capacity building. None.	At least 12 firms achieving eligibility criteria to receive business support services.	No progress for FY23 to report.
Output 1.2.2 Enterprises are connected to financing opportunities and provided with tipping-point investment facilitation support (At least 12 firms receive financing for early-stage	# GCIP alumni receiving mentoring and partnership support (networking, introductions etc.). # USD raised for cleantech entrepreneurs (% to women led business). # participants attending forums (gender-disaggregated).	Limited availability of early-stage business growth coaching and capacity building.	At least 12 and up to 20 firms achieving eligibility criteria to receive pre-see and seed financing for early-stage business growth (of which 30% are women-owned).	No progress for FY23 to report.

business growth)	# GCIP alumni receiving mentoring and partnership support (gender-disaggregated).			
Outcome 2.1: The CIEE in Türkiye is strengthened and interconnected	Capacity of relevant national institutions to coordinate and accelerate investments into Cleantech start-ups/SMEs is enhanced.	Low national capacity to coordinate and accelerate investments.	Relevant national institutions supported with specific insights as to the needs of the cleantech industry within the four sectors of national priority: agriculture, industry, manufacturing, and hospitality	
Output 2.1.1. Established national level platform to facilitate peer-learning, information exchange and collaboration (4 alumni networks established (1 per sector, 250 members per network)	<p># of Alumni Networks established.</p> <p># of alumni included in the network.</p> <p># partner institutions' staff trained to be able to operate platform and organize competition and accelerator programme (gender-disaggregated).</p> <p>%/# of stakeholders that participated in gender-sensitization and completed 'I-know-gender' trainings.</p> <p>Youth and gender mainstreaming strategy.</p> <p># students trained on Cleantech Entrepreneurship (gender-disaggregated).</p> <p># new Entrepreneurship trainers (gender-disaggregated).</p> <p>%/# of students that participated in gender-sensitization trainings.</p>	Limited access to entrepreneurial networks.	<p>4 alumni networks established (1 per sector, 250 members per network).</p> <p># of partner institutions' staff trained to be able to operate platform and organize competition and accelerator programme (>35% women participants).</p> <p>%/# of stakeholders that participated in gender-sensitization and completed 'I-know-gender' trainings (>35% women participants).</p> <p>Youth and gender mainstreaming strategy (>35% women participants).</p> <p># new Entrepreneurship trainers (>35% women participants).</p> <p>%/# of students that participated in gender-sensitization trainings (>35% women participants).</p>	No progress for FY23 to report.

Output 2.1.2 Cleantech innovation and entrepreneurship policies, regulations and recommendations are developed (1 policy report, 1 policy workshop, 1 policy recommendation)	<p># Policy analysis report.</p> <p>#cleantech innovation policy workshop.</p> <p># Policies and regulations developed to promote clean technology innovations in SMEs.</p> <p># Recommendations reports on digital policy.</p> <p>% of attendants at policy consultation workshops who are women (gender disaggregated).</p> <p># policy clauses relating to gender equality.</p>	<p>Limited coordination between stakeholders.</p> <p>Limited capacity of stakeholders to sustain cleantech acceleration.</p> <p>Limited commercialisation support.</p>	<p>1 Policy analysis report.</p> <p>1 cleantech innovation policy workshop.</p> <p>1 Policies and regulations developed to promote clean technology innovations in SMEs.</p> <p>1 Recommendations report on digital policy.</p> <p>At least 30% of attendants at policy consultation workshops are women.</p> <p>At least 1 policy clause relating to gender equality.</p>	No progress for FY23 to report.
Output 2.1.3 Linkages, collaboration, and synergies across CIEEs are promoted. (100 attendees at Global GCIP Forum and 5 additional GCIP Forum events with 100 attendees at each)	<p>#Forums developed to create more supportive environment for clean energy technology innovations in/by SMEs.</p> <p># attendees at stakeholder meetings (>35% women participants)</p> <p># of associations included in the consultations that promote GEEW.</p>	<p>Current policy and institutional frameworks are new and require more information sharing on the needs and progress of clean energy technology innovations.</p>	<p>100 attendees at Global GCIP Forum (virtual attendees included, at least 35% women).</p> <p>5 additional GCIP Forum events (100 attendees at each).</p> <p>At least 2 associations included in the consultations that promote GEEW.</p>	No progress for FY23 to report.
Outcome 3.1 Efficiency and sustainability of the GCIP Türkiye is ensured through programme coordination and coherence with other GCIP country project	<p>Increased capacity and strengthened partnerships for replication and scale-up of GCIP interventions in Türkiye and in the region.</p>	<p>Non-existent standards and tools to enable the replication, scale-up and sustainability of cleantech / innovative business ventures.</p>	<p>Effective toolkit and skillset in place to enable the replication and scale-up of GCIP interventions.</p>	

Output 3.1.1 The GCIP internal guidelines for project management teams are adapted and implemented by the GCIP Türkiye	#Global GCIP methodologies, tools and standards adapted and followed #PEU training sessions attended GCIP Türkiye sustainability and exit strategy	N/A	Operational GCIP methodologies, tools and standards adapted and followed for Türkiye GCIP Türkiye sustainability and exit strategy.	<p>8 PMU Operational Guidelines Workshops:</p> <p>30 May – Introductory session.</p> <p>31 May – M&E framework and reporting.</p> <p>6 June – Internal/external communications & knowledge management.</p> <p>7 June – Gender action plan & gender mainstreaming.</p> <p>8 June – GCIP Train-the-Trainer Session 1.</p> <p>15 June – GCIP Türkiye National Academy Information Session.</p> <p>3 July – Pre-Capacity Building for Cleantech Innovation Entrepreneurship Ecosystems.</p> <p>4 July – Capacity Building for Cleantech Innovation Entrepreneurship Ecosystems Workshop.</p>
Output 3.1.2 Programme-level knowledge management, communication and advocacy strategy is adapted and implemented by the GCIP Türkiye	<p>Gender responsive, knowledge management, communication and advocacy strategy and action plan for GCIP Türkiye</p> <p>Awareness raising and marketing material available for the public</p> <p>Awareness raising and marketing material available for entrepreneurs and officials</p> <p># briefing sessions</p> <p># press releases</p> <p># social media</p>	<p>No strategy</p> <p>Lack of awareness of cleantech</p> <p>Shortage of effective and good quality public awareness raising and marketing material on cleantech</p>	<p>Gender responsive knowledge management, communication and advocacy strategy and action plan for GCIP Türkiye</p> <p>Public awareness raising, marketing, and training material developed and adapted for Türkiye and made available in printed and electronic format</p> <p>>3 briefing sessions</p> <p>>6 press releases</p>	<p>Briefing session organized with national innovation partners to inform them about the Accelerator 2023 call.</p> <p>The Accelerator announcement shared with more than 17000 companies.</p> <p>Videos of alumni entrepreneurs recorded and</p>

	activity		Monthly social media activity	shared with GCIP Global.
Outcome 3.2 Impacts and progress of the GCIP Türkiye are tracked and reported	Systems established for effective project implementation, responsive management and tracking of project results	n/a	Efficient MRV system is in place	MRV system to be implemented during 2023.
Output 3.2.1 Project activities are tracked and reported based on the GCIP monitoring and evaluation (M&E) framework, and an external mid-term review is conducted	GCIP Türkiye website developed as part of global GCIP web platform. # frequent platform users. Establishment of the alumni network. # active alumni in network. # entrepreneurs attending regional and global events. # sharing of best practice/experience between GCIP countries and Türkiye.	No network established	GCIP Türkiye website developed as part of global GCIP web platform 100 frequent platform users Alumni network established 50 alumni active in the network (at least 35% women) >9 entrepreneurs attending regional and global events (at least 35% women) >10 examples of sharing of best practice between GCIP Countries and Türkiye.	With regards to the GCIP Global web-based Platform: - PEE attended the GCIP Web Platform training provided by UNIDO in January 2023. - PEE has provided feedback and inputs to UNIDO regarding the GCIP Türkiye Landing Page and Accelerator application form.
	Project-level MRV system established, indicators tracked (incl. GHG emissions) and disaggregated by gender. Impact of GCIP tracked according to programme-level guidelines	N/A	MTR report Terminal Evaluation Annual progress reports.	No progress for FY23 to report.
	M&E plan for GCIP Türkiye Progress reports Gender action plan.	N/A	M&E plan for Türkiye Progress reports every six months (including progress report on gender action plan and all related gender-responsive targets) – one of which will serve as mid-term evaluation report halfway through project implementation.	M&E framework training conducted. The M&E framework is being developed and will be completed during Y2.
Output 3.2.2. Independent terminal	Terminal evaluation report	N/A	Technical evaluation report (including	No progress for FY23 to report.

evaluation is conducted			evaluation on execution of gender action plan and all related gender dimensions)	
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III. Project Risk Management

1. Please indicate the overall project-level risks and the related risk management measures: (i) as identified in the CEO Endorsement document, and (ii) progress to-date. Please expand the table as needed.

	(i) Risks at CEO stage	(i) Risk level FY 22	(i) Risk level FY 23	(i) Mitigation measures	(ii) Progress to-date	New defined risk ⁴
1	Limited interest shown by the public, and industry, for the competition and accelerator programme leads to too few applications or applications of low quality, especially in the initial pilot year	Low	Low	The GCIP Accelerator Programme and Competition, first implemented in Türkiye in 2014, was highly successful and received a high number of applications. The proposed project will leverage on this existing success and awareness, as well as that of other countries under the GCIP to promote the benefits of the programme and raise awareness.	GCIP Türkiye received 194 applications for the GCIP 2023 Accelerator. 30% of applying teams are represented by women. For the first year, there has not been any experience of low participation/interest. TÜBİTAK's central role in the national innovation ecosystem of Türkiye, as the main RDI funding agency, enabled comprehensive access to ecosystem actors. The Accelerator announcement was shared with more than 17000 companies and received positive interest.	<input type="checkbox"/>
2	Lack of political support for innovative clean technologies	Low	Low	Türkiye has made significant strides in building up its innovation capacities, and innovation and entrepreneurship are high in the governmental agenda. Supreme Council for Science and Technology (SCST) set the GERD goal	Türkiye's 2023 Industry and Technology Strategy announced on September 18, 2019, includes prominent policies regarding the EU Green Deal. The Strategy focuses on developing breakthrough technologies and enabling the	<input type="checkbox"/>

⁴ New risk added in reporting period. Check only if applicable.

				<p>(Gross Domestic Expenditure on R&D) to reach 3% GDP by 2023. Within Component 3, the project will focus on strengthening the Policy and institutional framework to promote clean technology innovations and entrepreneurship together with the Government of Türkiye.</p> <p>An integral part of the project will be advocacy and awareness raising activities to support a conducive policy and regulatory environment in the Turkish innovation and entrepreneurship ecosystem.</p> <p>It should be noted that the Ministry of Industry and Technology has outlined innovation in cleantech as one of the focus points of the industrial strategy, and TÜBİTAK, the Scientific and Technical Research Council, also treats it as a core innovation track. The cooperation between UNIDO and TÜBİTAK will continue to mitigate this risk.</p>	<p>commercial applications of these technologies in key industrial sectors that are also vital for battling climate change and supporting the transition to a green economy in Türkiye by 2030. A document titled "Prioritized R&D and Innovation Topics within the Scope of Green Deal Agreement Compliance" was published at the beginning of 2021. This guidance document for prioritized topics focused on five main themes, namely "Climate Change, Environment and Biodiversity," "Clean and Circular Economy," "Clean, Accessible and Secure Energy Supply," "Green and Sustainable Agriculture," and "Sustainable Smart Transportation." Projects focusing on these topics are being prioritized in TÜBİTAK's R&D.</p> <p>TÜBİTAK was one of the earliest institutions that announced the roadmap for the zero-emission target for the year 2053, which was determined to fulfill country's obligations arising from the Paris Climate Agreement. Accordingly, TÜBİTAK held the first "Climate Summit of Türkiye" at the beginning of 2022. There are ongoing studies in Türkiye that aim to gather all relevant actors in the STI ecosystem in Türkiye around a dedicated "Green</p>	
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					Strategic Research Agenda" that embraces the targets of the EU Green Deal.	
3	Risk of enabling environment not being in place to support the cleantech sector	Low	Low	Whilst still well under the global average, the country shows some evidence for commercialized cleantech innovation, mainly attributable to its cleantech commodity imports. These imports are most likely explained by the increase in renewable energy capacity that Türkiye is experiencing. The project will conduct a comprehensive policy gap analysis which will result in policy recommendations.	Policy obstacles were discussed with stakeholders in the Capacity Building Workshop in Q2 2023. The policy gap analysis and policy recommendation has not been conducted as of now.	<input type="checkbox"/>
4	Lack of interest by mentors and voluntary trainers	Low	Low	The GCIP for SMEs in Türkiye already has a large database of mentors from the first two cycles of the Accelerator Programme and Competition, and this is expected to continue to grow. The proposed project will leverage on this, as well as the existing mentor pool of TUBITAK.	In addition to the existing mentor pool, for the GCIP Accelerator 2023 GCIP Türkiye reached out to 33 additional volunteers that have completed the UN Women I Know Gender Course, to take part in the GCIP as mentor/trainer/judges.	<input type="checkbox"/>
5	Lack of effective coordination between various project partners	Low	Low	A proper coordination will be sought through the Project Steering Committee and ad-hoc working groups will be established if necessary.	The first PSC meeting was held. Regular coordination has been established with UNIDO, NGIN, CTG and national project stakeholders	<input type="checkbox"/>
6	Lack of absorptive capacity by the acceleration service providers	Medium	Medium	Capacity building of the acceleration service providers will be an ongoing process throughout the project implementation period to ensure that the staff is comprehensively trained, and sustainability of the programme is ensured. As TUBITAK will be closely involved in the process through their existing	Train the trainer sessions organized by GCIP Global have been attended by the PMU and NPEE in Q2. Mentors have been identified to participate in the Accelerator 2023 and to become potential trainers.	<input type="checkbox"/>

				support programme to the incubators, their experience and support will be leveraged.		
7	Incentive and financial support system are insufficient	Low	Low	Linkages to other financing schemes for clean energy technology promotion and innovation programs will be established as early as possible. In particular, the proposed project will facilitate applications of entrepreneurs to existing grant programs, such as those offered by TUBITAK. Exposure of winners, runners-up and finalists to regional and global investors and partners will be ensured.	TUBITAK has arranged an information session in Q2 2023 to disseminate information about the programme and the Accelerator 2023 and to engage funding partners within its network.	<input type="checkbox"/>
8	Low success rate of new innovative cleantech businesses	Medium	Medium	The GCIP aims to promote an innovation and entrepreneurship ecosystem by identifying and nurturing cleantech innovators and entrepreneurs with skills required to develop and commercialize their innovations. This project will focus on comprehensive post-competition acceleration, by linking alumni with potential investors and by de-risking them for financial institutions. Additionally, the national alumni network will integrate SME associations and national agencies to share knowledge, ideas and from working partnerships to be highly recognized by national and international investors. This approach will support selected innovators and entrepreneurs to overcome the Valley of Death towards sustainable business.	Post-Acceleration, linking alumni with potential investors and de-risking them for financial institutions, will be conducted in Y2.	<input type="checkbox"/>
9	Climate Change Risks	Low	Low	There are no explicit climate change risks foreseen for the	An impact hypothesis was conducted by all the entrepreneurs	<input type="checkbox"/>

				achievement of the project's objectives. To safeguard against climate change risks, the screening of technologies to be supported by the GCIP Turkey will include an assessment of the climate risks with a time horizon of 30 years, and where a risk is identified, it will be necessary for the entrepreneur to propose suitable adaptation or management measures. The GIZ Climate Expert Tool could be used as a tool available to entrepreneurs in that context.	applying to the 2023 Accelerator to screen and select the solutions with the highest impact.	
10	Environmental Risk	Low	Low	It is recognized that some potential clean technologies may have significant environmental risks such as the use of block chain, which could have major GHG emissions associated with it unless powered entirely by renewable energy, which is difficult to ensure. Similarly, technologies related to storage can have harmful environmental impacts if not mitigated or managed effectively. Clear environmental safeguarding measures are proposed that include any cleantech innovation applying for support will need to meet strict E&S criteria and be subject to stringent screening by an expert to ensure that any related impacts are mitigated appropriately. An Environmental and Social Management Plan (ESMP) has been prepared.	An impact hypothesis was conducted by all the entrepreneurs applying to the 2023 Accelerator to screen and select the solutions with the highest impact.	<input type="checkbox"/>

2. If the project received a sub-optimal risk rating (H, S) in the previous reporting period, please state the actions taken since then to mitigate the relevant risks and improve the related risk rating. Please also elaborate on reasons that may have impeded any of the sub-optimal risk ratings from improving in the current reporting

cycle; please indicate actions planned for the next reporting cycle to remediate this.

N/A

3. Please indicate any implication of the **COVID-19** pandemic on the progress of the project.

The Covid-19 pandemics is under control in Türkiye. In the case of an escalation of the COVID-19 or a similar pandemic, in-person activities and meetings planned in the project plan will move to digital platforms.

4. Please clarify if the project is facing delays and is expected to request an **extension**.

The overall project start and end date has not changed however the first year is extended due to the recruitment of PMU personnel.

5. Please provide the **main findings and recommendations of completed MTR**, and elaborate on any actions taken towards the recommendations included in the report.

n/a

IV. Environmental and Social Safeguards (ESS)

1. As part of the requirements for **projects from GEF-6 onwards**, and based on the screening as per the UNIDO Environmental and Social Safeguards Policies and Procedures (ESSPP), which category is the project?

☐ Category A project

☒ Category B project

☐ Category C project

(By selecting Category C, I confirm that the E&S risks of the project have not escalated to Category A or B).

Please expand the table as needed.

	E&S risk	Mitigation measures undertaken during the reporting period	Monitoring methods and procedures used in the reporting period
(i) Risks identified in ESMP at time of CEO Endorsement	Increasing GHG emissions from cleantech supported	Every application for support from the GCIP Türkiye Accelerator and Post-	ToRs for an E&S and gender expert are currently being developed. The progress of work

	(e.g. blockchain, land use change)	Accelerator will be assessed against strict E&S screening criteria. The E&S assessment will be conducted by an E&S expert. Where necessary, the entrepreneurs will be offered guidance on how to maximize the net positive impacts of their cleantech (i.e. to minimize the negative impacts and maximize the positive impacts). In the case of negative impacts, mitigation measures will need to be proposed by the entrepreneurs. If the mitigation measures are assessed as insufficient by the E&S expert, the cleantech will not be supported by GCIP Turkiye. The GIZ's Climate Expert Tool could be used by entrepreneurs to assess the environmental impacts and explore mitigation options	is on track.
	Unintended harmful environmental impacts from hazardous materials used in cleantech (e.g. due to mining, manufacturing, decommissioning of batteries/PV)		
	Unintended pollution/waste disposal from cleantech supported		
	Entrepreneurs lack the capacity/awareness to properly identify and mitigate the E&S risks related to their cleantech	Inclusion of E&S impact assessment in the training modules. The GCIP Turkiye experts (trainers, mentors, judges) will be trained by E&S experts on the E&S impact assessment and will then provide appropriate mentoring and training to entrepreneurs.	
	Cleantech innovations do not deliver the pledged impacts	Impact monitoring: there will be an ongoing monitoring of impacts by entrepreneurs, and the monitoring results will be verified by GCIP Turkiye experts.	
	Entrepreneurs do not comply with national regulations on product safety, working conditions, and health and safety at workplace	Strict E&S screening criteria for cleantech will be applied. Every application accepted for the GCIP Turkiye Accelerator and Post-Accelerator will need to meet strict E&S screening criteria, including requirements defined in national regulations. Experts (acquainted with national regulations) will provide entrepreneurs with relevant guidance throughout the project implementation.	
	Low participation rates of women and youth	Gender mainstreaming and social safeguarding will be applied. There will be gender-responsive communications activities, and outreach will be targeted at the women and	

		youth. Also, specific targets for women participation will be set and special prizes for women and youth will be considered. Details are provided in the Gender Analysis Report.	
	Increase in carbon emissions due to travel, meetings, training and events	Advice and training will be provided to all stakeholders on how to minimize their carbon footprints. Also, the use of public transport will be promoted, and environmentally friendly venues will be selected. Where possible, physical meetings will be replaced with webinars.	
	Climate change risks that may affect the entrepreneurs supported	Strict E&S screening criteria for cleantech supported will be applied, including assessment of climate risks with a time horizon of 30 years. Every application for support from the GCIP Turkiye Accelerator and Post-Accelerator will be assessed against strict E&S screening criteria, including e.g. possible impacts of climate change on the entrepreneurs, e.g. due to a reduction in bioenergy or water sources, logistic disturbances, increased utility prices and costs of insurance, etc. The entrepreneurs will be supported in the development of appropriate climate change adaptation strategies for their businesses.	
(ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box)	n/a		

V. Stakeholder Engagement

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes** regarding engagement of stakeholders in the project (based on the Stakeholder Engagement Plan or equivalent document submitted at CEO Endorsement/Approval).

Strong level of engagement was achieved with The Ministry of Industry and Technology, The Ministry of Environment, Urban Planning and Climate Change, The Ministry of Energy and Natural Resources, and Ministry of Agriculture and Forestry. The representatives from ministries and other stakeholders attended and contributed to the Capacity building Workshop organized by GCIP Global and Cleantech Group (CTG). The project stakeholders were informed about the GCIP Türkiye 2023 Accelerator on several

instances and their recommendations for mentor and judges who may take a role in the Accelerator process were requested and obtained. All stakeholders were informed about the GCIP events and they were included in the e-mail lists. At some instances, their support was requested to disseminate the Accelerator application announcement.

2. Please provide any feedback submitted by national counterparts, GEF OFP, co-financiers, and other partners/stakeholders of the project (e.g. private sector, CSOs, NGOs, etc.).

Key takeaway from the Capacity Building Workshop that was arranged on July 4th with national stakeholders (please see 1045_Capacity Building Workshop contact info) is that the interaction and incentives for developing joint projects between established companies and start-ups are limited in Türkiye and is one important area where the project may contribute. It was furthermore mentioned that there is a need to build on Türkiye's strong level of government engagement and initiatives, strong regional clusters, and national innovation policies to foster Cleantech adoption and SME's transition.

3. Please provide any relevant stakeholder consultation documents.

1045_PSC meeting minutes
1045_Capacity Building Workshop contact info
1045_Capacity Building Workshop invitation mail
1045_Impact Investing Advisory Board and Cleantech
10455_List of Implementing Organizations of TUBITAK
10455_Round 1 Jury Information Session (Turkish)
10455_Round 1 Screening Panelist Information Session

VI. Gender Mainstreaming

1. Using the previous reporting period as a basis, please report on the **progress** achieved **on implementing gender-responsive measures** and **using gender-sensitive indicators**, as documented at CEO Endorsement/Approval (in the project results framework, gender action plan or equivalent),.

At the end of June 2023 there were +180 applications for the 2023 GCIP TÜRKİYE Accelerator, of which 94 were qualified applications. Women realized approximately 30% of the applications. GCIP Türkiye already exceeded the targeted women application rate for the GCIP Phase 1 overall (25%) and is aligned with the target of GCIP Phase 2 of 30-35%. Additionally, a special award was designed for Successful Women Entrepreneur for the Accelerator 2023 to encourage the participation of women.

VII. Knowledge Management

1. Using the previous reporting period as a basis, please elaborate on any **knowledge management activities / products**, as documented at CEO Endorsement / Approval.

Information and promotion material has been created and disseminated about GCIP Türkiye and the 2023 Accelerator. A landing page on GCIP Global's web platform has been developed to inform the public, cleantech entrepreneurs and additional key stakeholders.

A guiding document has been created to educate and prepare the Round 1 Jury for their tasks. Two alumni videos have been recorded and shared with GCIP Global to promote during COP 27 in Egypt, please find them at the following link: <https://drive.google.com/drive/folders/161oSXPOXE122x-1qQbulzBbeTEyWH3yz?usp=sharing>

2. Please list any **relevant knowledge management mechanisms / tools** that the project has generated.

Links:

GCIP Türkiye web platform: <https://gcip.tech/country/turkiye/>

GCIP Türkiye Accelerator Announcement at the TUBITAK website:

<https://www.tubitak.gov.tr/tr/duyuru/kuresel-temiz-teknoloji-girisimcilik-programi-gcipnin-2-fazi-kapsaminda-gcip-turkiye-hizlandirici>

VIII. Implementation progress

1. Using the previous reporting period as a basis, please provide information on **progress, challenges and outcomes achieved/observed** with regards to project implementation.

The Project Executing Agreement (PEA) was duly countersigned in June 2022, and the PEE had prepared the Inception Report for Year 1, including annual work plan, budget, and procurement plan after the signed PEA.

The Project Management Unit (PMU) was established in 2023 in agreement with UNIDO. The recruitment was not finalized until Q2 2023 due to internal TUBITAK procedures.

Component 1

As part of the preparation for the GCIP Acceleration Program the project conducted a review of the general GCIP acceleration guidebooks. GCIP Türkiye conducted a Pre-Accelerator through partners to engage early-stage entrepreneurs. The call for the main Accelerator was furthermore launched and +180 applications were received for the GCIP 2023 Accelerator, of which 30% of are represented by women.

Component 2

During the reporting period, the PEE attended the GCIP web platform training provided by UNIDO in January 2023 and provided extensive feedback and inputs regarding the GCIP Türkiye's landing page, which was officially launched in Q1 2023.

The PEE provided inputs on the existing cleantech innovation ecosystem in Türkiye in July 2022, and provided feedback on the Türkiye cleantech innovation and entrepreneurship ecosystem (CIEE) mapping and GCIP Türkiye cluster mapping in October 2022.

Component 3

Regarding internal capacity building activities for the PEE on sustainability, collaboration and strengthening of skills, the PEE attended the following initiatives:

- GCIP Branding, Communication and Outreach training, provided by UNIDO in January 2023.
- Webinar training of the Global Cleantech Innovation Programme (GCIP) Impact Assessment Framework, provided by UNIDO, in March 2023.
- Impact Hypothesis Training for judges and juries, provided by UNIDO in May 2023.
- GCIP Operational Guidelines Workshop, provided by UNIDO, in January, May and June 2023.

- GCIP Gender sensitization training in June 2023.


2. Please briefly elaborate on any **minor amendments**⁵ to the approved project that may have been introduced during the implementation period or indicate as not applicable (NA).

<input type="checkbox"/>	Results Framework	NA
<input type="checkbox"/>	Components and Cost	NA
<input type="checkbox"/>	Institutional and Implementation Arrangements	NA
<input type="checkbox"/>	Financial Management	NA
<input type="checkbox"/>	Implementation Schedule	NA
<input type="checkbox"/>	Executing Entity	NA
<input type="checkbox"/>	Executing Entity Category	NA
<input type="checkbox"/>	Minor Project Objective Change	NA
<input type="checkbox"/>	Safeguards	NA
<input type="checkbox"/>	Risk Analysis	NA
<input type="checkbox"/>	Increase of GEF Project Financing Up to 5%	NA
<input type="checkbox"/>	Co-Financing	NA
<input type="checkbox"/>	Location of Project Activities	NA

⁵ As described in Annex 9 of the *GEF Project and Program Cycle Policy Guidelines*, **minor amendments** are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5%.

<input type="checkbox"/>	Others	NA
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3. Please provide progress related to the **financial implementation** of the project.

 GRANT DELIVERY REPORT		Grant:	200004359	Grant Status:	Closed	Grant Validity:	31.03.2020 - 30.06.2022
		Sponsor:	400150 - GEF - Global Environment Facility	Currency:	USD	Reporting Period:	31.03.2020 - 30.06.2023
		Other Reference:	10455-U3-PP-PP-GR-01	Fund:	GF	Prepared on:	19.07.2023
Project	Project Description	Country	Region	Project Manager		Project Validity	
180282	INNOVATIVE CLEAN TECHNOLOGY ENTERPRISE DEVELOPMENT INSTITUTIONALISATION AND EXPANSION OF THE GLOBAL CLEANTECH INNOVATION PROGRAMME FOR SMES IN TURKEY	Türkiye	Europe	Olga Rataj		01.06.2020 - 16.12.2026	

	Description	Released Budget Current Year (a)	Obligations Current Year (b)	Disbursements Current Year (c)	Expenditures Current Year (d=b+c)	Total Agreement Budget (e)	Released Budget (f)	Obligations + Disbursements (g)	Funds Available* (h=f-g)	Support Cost (i)	Total Expenditures (j=g+i)
180282		USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
180282-0-02-01	CEO document finalised										
1100	Staff & Intern Consultants	0.00	0.00	0.00	0.00	(361.79)	(361.79)	9.43	(371.22)	0.00	9.43
4500	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5100	Other Direct Costs	(156.36)	0.00	(156.36)	(156.36)	187.41	187.41	(58.62)	246.03	0.00	(58.62)
9300	Support Cost IDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.19	11.19
180282-0-02-01	Total	(156.36)	0.00	(156.36)	(156.36)	(174.38)	(174.38)	(49.19)	(125.19)	11.19	(38.00)
180282	Total	(156.36)	0.00	(156.36)	(156.36)	(174.38)	(174.38)	(49.19)	(125.19)	11.19	(38.00)
2000004359	USD Total	(156.36)	0.00	(156.36)	(156.36)	(174.38)	(174.38)	(49.19)	(125.19)	11.19	(38.00)

* Does not include Unapproved Obligations

IX. Work Plan and Budget

- Please provide **an updated project work plan and budget** for the remaining duration of the project, as per last approved project extension. Please expand/modify the table as needed.

Please see annexes attached.

X. Synergies

1. Synergies achieved:

No specific synergies were identified. Focus on creating synergies will be ensured in the next reporting period.

3. Stories to be shared (Optional)

n/a

XI. GEO LOCATION INFORMATION

Location Name	Latitude	Longitude	Geo Name ID	Location and Activity Description
Ankara	39.91987	32.85427	323786	The project will include the entire Türkiye. The project is targeted at beneficiaries (entrepreneurs and all relevant CIEE stakeholders, such as universities, policy makers, financiers, and R&D institutions) from all over the country.

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate.



EXPLANATORY NOTE

1. **Timing & duration:** Each report covers a twelve-month period, i.e. 1 July 2022 – 30 June 2023.
2. **Responsibility:** The responsibility for preparing the report lies with the project manager in consultation with the Division Chief and Director.
3. **Evaluation:** For the report to be used effectively as a tool for annual self-evaluation, project counterparts need to be fully involved. The (main) counterpart can provide any additional information considered essential, including a simple rating of project progress.
4. **Results-based management:** The annual project/programme progress reports are required by the RBM programme component focal points to obtain information on outcomes observed.

Global Environmental Objectives (GEOs) / Development Objectives (DOs) ratings		
Highly Satisfactory (HS)		Project is expected to achieve or exceed <u>all</u> 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 <u>achieve most</u> of its <u>major</u> global environmental objectives, and yields satisfactory global environmental benefits, with only minor shortcomings.
Moderately Satisfactory (MS)		Project is expected to <u>achieve most</u> of its major <u>relevant</u> objectives but with either significant shortcomings or modes overall relevance. Project is expected not to achieve some of its major global environmental objectives or yield some of the expected global environmental benefits.
Moderately Unsatisfactory (MU)		Project is expected to achieve <u>some</u> of its major global environmental objectives with major shortcomings or is expected to <u>achieve only some</u> of its major global environmental objectives.
Unsatisfactory (U)		Project is expected <u>not</u> to achieve <u>most</u> of its major global environmental objectives or to yield any satisfactory global environmental benefits.
Highly Unsatisfactory (HU)		The project has failed to achieve, and is not expected to achieve, <u>any</u> of its major global environmental objectives with no worthwhile benefits.
Implementation Progress (IP)		
Highly Satisfactory (HS)		Implementation of <u>all</u> components is in substantial compliance with the original/formally revised implementation plan for the project. The project can be presented as “good practice”.
Satisfactory (S)		Implementation of <u>most</u> components is in substantial compliance with the original/formally revised plan except for only few that are subject to remedial action.
Moderately Satisfactory (MS)		Implementation of <u>some</u> components is in substantial compliance with the original/formally revised plan with some components requiring remedial action.
Moderately Unsatisfactory (MU)		Implementation of <u>some</u> components is <u>not</u> in substantial compliance with the original/formally revised plan with most components requiring remedial action.
Unsatisfactory (U)		Implementation of <u>most</u> components in <u>not</u> in substantial compliance with the original/formally revised plan.
Highly Unsatisfactory (HU)		Implementation of <u>none</u> of the components is in substantial compliance with the original/formally revised plan.
Risk ratings		
Risk ratings will assess the overall risk of factors internal or external to the project which may affect implementation or prospects for achieving project objectives. Risk of projects should be rated on the following scale:		
High Risk (H)		There is a probability of greater than 75% that assumptions may fail to hold or materialize, and/or the project may face high risks.
Substantial Risk (S)		There is a probability of between 51% and 75% that assumptions may fail to hold or materialize, and/or the project may face substantial risks.
Moderate Risk (M)		There is a probability of between 26% and 50% that assumptions may fail to hold or materialize, and/or the project may face only moderate risk.
Low Risk (L)		There is a probability of up to 25% that assumptions may fail to hold or materialize, and/or the project may face only low risks.

