

# UNIDO GEF Annual Monitoring Report FY 2018

Response ID:119 Data

## 1. UNIDO GEF Annual Monitoring Report II FY 2018

### 1. GEF ID:

5832

### New Analysis Question

### 2. UNIDO SAP ID:

140307

### 3. GEF Replenishment Cycle:

GEF-5

### 4. GEF Focal area:

Climate Change (CC)

### 5. Integrated Approach Pilot (IAP) Programs (only for GEF-6 projects, if applicable)

### 6. UNIDO PTC Department:

Department of Energy (ENE)

### 7. Project Title: *(as per approved CEO Endorsement document)*

Promoting Accelerated Transfer and Scaled-up Deployment of Mitigation Technologies through the Climate Technology Centre & Network (CTCN)

### 8. UNIDO Project Manager:

First name : Katarina

Last name : Barunica

### 9. Project Manager's email:

k.barunica@unido.org

### 10. Please state the geographical location(s) of the project:

Please select one:

Global

### 11. Please provide a project summary: *(approx. 300 words)*

Objectives:

The mission of the Climate Technology Centre and Network (CTCN) is to stimulate technological cooperation and to enhance the development and transfer of technologies. The CTCN assists developing country Parties at their request, consistent with their respective capabilities and national circumstances and priorities, "to build or strengthen their capacity to identify technology needs, to facilitate the preparation and implementation of technology projects and strategies taking into account gender considerations to support action on mitigation and adaptation and enhance low emissions and climate-resilient development." Consistent with COP decision 1/CP.16, the CTCN will serve three main functions:

- (1) Management of requests and responses in the technology cycle
- (2) Fostering collaboration to accelerate technology transfer

(3) Strengthening networks, partnerships and capacity building for technology development and transfer, and fostering collaboration to accelerate technology transfer.

These core functions of the CTCN are supported by broader outreach and awareness activities and a Knowledge Management System (KMS) that enables learning and enhanced response quality over the life of the CTCN.

The project makes the linkages between the Technology and Financial Mechanisms under the Climate Convention operational, and is a respond to COP decisions on the matter.

Baseline:

The overarching development problem is global: the identified weak capacities in non-Annex I countries to adopt climate technologies enabling mitigation of global greenhouse gas emission and supporting adaptation to the effects of climate change. Conferences of Parties (COP) conclude that the uptake of low-emission, climate-resilient technologies in non-Annex I countries is insufficient to address climate change. The Climate Technology Center and Network (CTCN) has been established to accelerate the deployment of such technologies in developing countries through the provision of tailored technical assistance (TA) in response to country requests. Specifically, the CTCN can provide technical assistance to developers of climate technology projects and link investment opportunities to the financial community; it can further develop proposals and strategies to address specific market issues or constraints.

The demand-driven, highly focused approach of the CTCN may limit its delivery under the baseline scenario in markets that are less developed and where financiers lack confidence in climate technologies. The effectiveness of CTCN's operations would increase if supported by proactive climate policy and market development programmes in the recipient country. This provides a rationale for GEF involvement which has also been acknowledged and described by the Conference of Parties<sup>17</sup>.

Targeted results:

The project will contribute to each of the three main functions of the CTCN with a focus on technical assistance, plus a monitoring and evaluation component. For this seven selected requests from different developing countries will be implemented, a match-matchmaking mechanism to connect project developers and financiers developed, and climate technologies promoted through various events.

## 2. Global Environmental Objectives (GEOs) / Development Objectives (DOs)

### 12. Please state the progress made in FY 2018 in achieving the intended Global Environmental Objectives / Development Objectives.

Please state the **progress rating of GEOs/DOs** (as per the rating filled in AMR Part I):

Satisfactory (S)

Please state the **progress made in the current FY in achieving the outlined GEOs/DOs**.

Component 1:

The Response Plans for nine selected Requests for Technical Assistance have been developed in close collaboration with CTCN partners from the Consortium and Network. During the process it has been recognized that the initially selected Request from Colombia did not have sound prospect for follow-up activities and was therefore discontinued. The Technical assistance in Senegal was finally budgeted from another funding source and four new Requests were added to the project from Gambia, Paraguay, Zimbabwe and ECOWAS (Benin, Burkina Faso, Côte d'Ivoire, Gambia, Ghana, Guinea, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togo). In agreement with the project Steering Committee the remaining resources have been programmed.

The various CTCN interventions are expected to lead to greenhouse gas emission abatement, incl.:

- Chile: 117,000 – 281,000 tCO<sub>2</sub>eq by 2030
- Dominican Republic: 430,000 tons of CO<sub>2</sub> per year
- Mali: 274,579 tCO<sub>2</sub>eq
- Viet Nam: For the period 2018-2022, cumulative GHG reduction is 55,698 tCO<sub>2</sub>. Peak CO<sub>2</sub> savings is year 2022 of 22,401 tCO<sub>2</sub>.

Component 2:

Ground work for partnerships to accelerate investment has been laid down.  
 Component 3:  
 Activities and work on networks and capacity building have been carried out.

### 3. Implementation progress

#### 13. Project Objectives and Progress

Please state the **implementation progress rating** (as per the rating filled in AMR Part I):

Satisfactory (S)

Please state the **implementation progress** made for this FY.

The status of the respective Technical Assistances is as below:

Mali: Agricultural productive uses - Implementation completed

Uganda: Geothermal energy - Implementation completed

Dominican Republic: Energy-efficient lighting - Implementation completed

Vietnam: Bio-waste valorization - Implementation completed

Chile: Replacement F-refrigerants - Implementation ongoing

ECOWAS: Mainstreaming Gender Energy System - Implementation ongoing

Paraguay: Industrial energy and water efficiency - Implementation ongoing

Gambia: Organic waste for Energy - Implementation ongoing

Zimbabwe: Tebicuary river priority basin - Implementation ongoing

While all projects are on track to successful completion, some are experiencing delays due to unforeseeable changes of partners and challenges to accommodate for these.

### 4. Risk management

14. Please indicate the overall risk management: (i) as identified in the CEO Endorsement document, and (ii) progress to-date.

**\*Risks identified as per CEO Endorsement document. Please indicate in the "Risks" column if some are new/additional risks.**

	(i) Risks	(i) Risk level	(i) Mitigation measures	(ii) Progress to-date
1	Inability to implement and execute the Project	Low risk (L)	UNIDO will mitigate this risk through the development of appropriate managerial tools, such as detailed workplan, in close cooperation with in-country project stakeholders, as well as by establishing dedicated communication and reporting lines. It will rely on the experience and lessons learnt gathered through managing similar activities. The CTCN will rely on established rules and procedures, based on guidance from the Advisory Board, to strive to deliver quality and timely technical assistance services to address developing countries requests. Ultimately, the quality of the services provided depends on the expertise available to the CTCN. With this in mind, all efforts are undertaken to nurture the Network in order to equip the mechanism with the necessary knowledge base, and that in addition to the expertise already available within the Technical Resource Pool formed by the consortium partners. Substantial differences in capacities between country NDEs have been identified by CTCN at an early stage. Therefore, strengthening of institutional and individual capacities and skills among NDEs is foreseen by the CTCN as part of its business plan. Initially, CTCN and its Consortium members will work closely with the NDEs during the identification	Some of the CTCN requests originally identified in the Project Document did not materialised or could not be pursued. Those where substituted by other

			and detailing steps of the request preparation process. With time, it is expected that the NDEs can work with great autonomy, which is essential to perform their role and assume full country ownership concerning their respective requests for technical assistance.	requests.
2	Persistent barriers to the deployment of climate technologies in the selected countries	High risk (H)	<p>Limitations in terms of technical, financial, operational and managerial capacities will affect the implementation of climate technologies during all stages of the project cycle. Addressing this barrier is at the core of CTCN's mandate. It is acknowledged that developing adequate in-country capacities is a gradual process typically yielding tangible benefits at a time-scale of a decade, hence beyond the direct time horizon of the Project. Within the timeframe of the Project, this risk is mitigated by carefully assessing the requests to verify the existence of minimum conditions for ensuring successful project implementation. Shortages in terms of national policy and regulatory frameworks would affect accelerated deployment and up-scaling of climate technologies. All-encompassing interventions to address policy barriers are outside the scope of the Project and the CTCN's mandate. Within the Project boundary, the scope for deployment of the technologies promoted under the selected NDE requests may be affected by national policy constraints. These are, to a limited extent, addressed by the Project through advocacy and linking up with supportive programmes and initiatives. Moreover, the selection process of requests will verify that an acceptable policy framework in the selected countries is actually in place. The lack of willingness of financiers to co-invest in climate technology projects is a critical risk for large-scale deployment. While the general business climate (global and national) is beyond control of the Project, specific measures have been conceived to stimulate investors' interest on the benefits and potential revenues of climate technologies. The Project can contribute by providing tailored expertise and knowhow to assist Governments to improve investment conditions and proponents to derisk potential projects. The Project will focus on sectors and countries with relatively good prospects for investors, which is a necessary condition for demonstrating new technologies and securing committed co-finance resources. Poor adaptation of technologies into a given context undermines performance and overall sustainability. Climate technologies may need customized designs and materials. The Project strives at accumulating best practices and learning experiences into a resource base for project developers, investors and authorities in countries world-wide. The CTCN Network of Members is ideally positioned to probe localized solutions and to act as a platform for South-South cooperation.</p>	<p>The requests for technical assistance submitted to CTCN are dealing with issues upstream to the technology deployment, such as policy framework. Those are essential barriers to tackle, but not necessarily sufficient by themselves to trigger the actual deployment of the technology which would allow the demonstration of the environmental benefits and co-financing in the form of investment.</p>
3	The sustainability of the technologies deployed under the Project would be jeopardized by global climate change.	Low risk (L)	<p>Changing climatic conditions can affect the baseline situation and the effectiveness of proposed mitigation (as well as adaptation) interventions. Given the localized character of climate change effects, the Project will address this issue at the level of the CTCN response plans to NDE requests to ensure that the technology promoted is climate resilient. Where infrastructural works are planned, their exposure (vulnerability) to climate risks (such as flooding) will be taken into account during the design phase. Another case is the use of biomass resources for energy generation, which urges for assessing and securing the robustness of the full supply chain. The project risks associated to climate change are deemed low, assuming that proper planning and design processes are applied, including best practices accumulated so far.</p>	<p>This risk has not materialised.</p>
4				
5				
6				
7				
8				
9				

15. If the project received a **sub-optimal risk rating (H, S)** in the previous PIR FY, please state the **actions taken** since then to mitigate the relevant risks.

## 5. Implementation and Execution issues

16. Please state any **implementation issues** occurred in overseeing and supervising during FY 2018:

For some CTCN requests delays occurred due to the executing partner. One of the reasons for the delays was involving a partner in multiple projects beyond their capacities to produce results in time. Another reason were long response times from local counterparts concerning comments and approval of interim deliverables.

17. Please state any **execution issues** faced during FY 2018:

- CTCN is purely demand-driven by mandate. The nature of the requests received and treated with GEF support hence depends on the needs and priorities identified by the National Designated Entities. The CTCN request tends to focus on upstream work, and has the tendency to be a few steps away from the actual deployment of the technologies. Hence, the leveraging of co-financing in the form of investments as originally envisaged is proved challenging.

- In agreement with the PSC, the project will be extended until August 2019 to allow for utilization of remaining resources, as well as planning of up-scaling of CTCN activities in line with the COP guidance.

## 6. Environmental and Social Safeguards (ESS)

As part of the requirements for projects, and based on the screening as per the UNIDO Environmental and Social Safeguards Policies and Procedures (ESSPP), which category is the project?

As required for all projects, please report on activities undertaken in FY 2018 to meet the ESS monitoring/management commitments made in the Project Document and/or the Environmental and Social Management Plan (ESMP).

	E&S risk	Mitigation measures undertaken in FY 2018	Monitoring methods and procedures used in FY 2018
(i) Risks identified during PIF and verified during PPG (as per the submitted ESMP)			
(ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box)			

## 7. Gender mainstreaming

18. Please describe the **gender considerations** mainstreamed into the CEO Endorsement:

CTCN contracted a gender expert to develop a gender strategy for the CTCN. A key component is that a fixed share of the budget of each Technical Assistance is reserved for the involvement of a gender expert to review activities and results and provide advice how to improve gender mainstreaming. The gender expert has also conducted a gender briefing for the CTCN team to raise awareness of the topic and enable the team to take informed actions. Furthermore, CTCN also focuses on gender-specific interventions.

19. Please state the **measures taken** so far, and the **results achieved** in FY 2018 against the intended gender mainstreaming actions (refer to question above):

The above mentioned gender mainstreaming review component has been adapted as a standard component in the preparation of all CTCN Technical Assistances. The results will be presented upon completion of the respective interventions.

Furthermore, the CTCN has developed a multi-country technical assistance titled "Mainstreaming Gender for a climate resilient energy system in ECOWAS" included in this project.

## 8. Stakeholders consultation

### 20. Please describe the stakeholders consultations that have taken place for FY 2018?

- Annual GEF Steering Committee Meeting for strategic level discussions related to the GEF Project with the NDEs
- Frequent consultations with involved stakeholders throughout the implementation process of each Technical Assistance
- Annual Regional NDE Fora in Africa, Asia and Latin America served as platforms to support NDEs in their endeavors to push their countries' climate agendas and access technical and financial assistance through the CTCN and other UNFCCC linked mechanisms (such as GCF)
- NDEs of Uganda and Chile participated in CTCN Advisory Board Meetings where they discussed questions with other participating NDEs
- Regular interaction with NDEs and other relevant stakeholders in the context of the Climate negotiations.

### 21. Please upload the relevant consultation documents:

*(Eg: Project Steering Committee minutes, Aide Memoire, Meeting Agenda, etc.)*

[5832\\_2018\\_1st\\_SC\\_GEF\\_CTCN\\_project\\_draft\\_minutes.docx](#)  
[5832\\_2018\\_2nd\\_SC\\_GEF\\_CTCN\\_project\\_draft\\_minutes.docx](#)  
[5832\\_2018\\_3rd\\_SC\\_GEF\\_CTCN\\_project\\_draft\\_minutes.docx](#)

## 9. Knowledge Management

### 22. Please list the titles of knowledge management or publicity materials that have been produced for the project.

*(i.e. online information exchange/sharing platforms, technical reports, project website or video links, publications, posters, flyers, etc.)*

- 1 : Chile Project website : <https://www.ctc-n.org/technical-assistance/projects/support-replacement-f-refrigerants-used-refrigeration-system-food>
- 2 : Zimbabwe Project website: <https://www.ctc-n.org/technical-assistance/projects/piloting-rapid-uptake-industrial-energy-efficiency-and-efficient-water>
- 3 : News (7 February 2018 "CTCN Collaboration Brings New Agricultural Technology and Investment for Mali" <https://www.ctc-n.org/news/ctcn-collaboration-brings-new-agricultural-technology-and-investment-mali>
- 4 : News (16 May 2018, ECOWAS): "15 West African countries build a gender-just energy system: Entrepreneurs at the Global Investment Forum in Vienna" <https://www.ctc-n.org/news/15-west-african-countries-build-gender-just-energy-system-entrepreneurs-global-investment-forum>
- 5 : ECOWAS Final Report

### 23. Please upload the materials mentioned above.

*(i.e. photos, brochure, flyer, leaflet, feasibility studies... up to 10 files)*

[5832\\_CTCN\\_ECOWAS\\_Final\\_Report.pdf](#)

### 24. Please share a story on how the project has benefitted the environment and communities.

ECOWAS:

Energy poverty is high in West Africa: less than half of the population has access to electricity and women's potential as active participants in the energy sector has traditionally been underutilized. Recognizing that in order to improve access to affordable, reliable, and sustainable energy for all, a framework was needed to tailor national and regional policies, projects and programmes to the energy needs and experience of both women and men, the fifteen countries of the Economic Community of West African States (ECOWAS) adopted the first-ever regional policy on gender-responsive energy development.

In order to support the implementation of the policy, the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) asked the CTCTN to contribute to the effort by providing technical expertise. The objectives of the collaboration were twofold: 1) to strengthen local capacity to implement the Policy for Gender Mainstreaming in Energy Access; and 2) to support investment promotion and business development among women entrepreneurs in the energy sector. The technical assistance has been implemented by Partners for Innovation BV, MDF West Africa Ltd and the Private Finance Advisory Network (PFAN).

## 10. Files upload (Required for PIR, MTR and TE)

### 25. The following information is filled as part of the:

Project Implementation Report (PIR)

### 26. GEF Project size:

Medium-Sized Project (MSP)

### 27. Please upload the **Project Progress Update Report** showing progress by output-level for FY 2018 (1 July 2017 to 30 June 2018):

[5832\\_2018\\_Project\\_Progress\\_Update\\_Report.docx](#)

### 28. Please upload the **updated work plan** for FY 2018:

[5832\\_2018\\_workplan.xlsx](#)

### 29. Please upload any other materials you wish to share from the project:

*(i.e. feasibility study reports, technical reports, etc) **For PTC/ENV projects with SCD requirements, please upload it here.***

**Please name your file "GEFID\_document name".**

## 11. Project Implementation Report (PIR)

### 30. Please insert information on progress, challenges and outcomes on **project implementation activities**:

The status of the respective Technical Assistances is as below:

Mali: Agricultural productive uses - Implementation completed

Uganda: Geothermal energy - Implementation completed

Dominican Republic: Energy-efficient lighting - Implementation completed

Vietnam: Bio-waste valorization - Implementation completed

Chile: Replacement F-refrigerants - Implementation ongoing

ECOWAS: Mainstreaming Gender Energy System - Implementation ongoing

Paraguay: Industrial energy and water efficiency - Implementation ongoing

Gambia: Organic waste for Energy - Implementation ongoing

Zimbabwe: Tebicuary river priority basin - Implementation ongoing

While all projects are on track to successful completion, some are experiencing delays due to unforeseeable changes of partners and challenges to accommodate for these.

### 31. Please insert information on progress, challenges and outcomes on **stakeholder engagement** (based on the description of the Stakeholder engagement plan included at CEO Endorsement/Approval):

Based on the guidance from the COP, the CTCTN has extended its collaboration with the Green Climate Fund (GCF).

Furthermore, partnerships with financing institutions as well as partners such as PFAN are explored to upscale CTCTN impact of activities.

**32. Please insert information on progress on gender-responsive measures as documented at CEO Endorsement/Approval in the gender action plan or equivalent:**

CTCN contracted a gender expert to develop a gender strategy for the CTCN. A key component is that a fixed share of the budget of each Technical Assistance is reserved for the involvement of a gender expert to review activities and results and provide advice how to improve gender mainstreaming. The gender expert has also conducted a gender briefing for the CTCN team to raise awareness of the topic and enable the team to take informed actions. Furthermore, CTCN also focuses on gender-specific interventions.

**33. Please outline knowledge activities / products (when applicable), as outlined in knowledge management approved at CEO Endorsement / Approval:**

Towards finalization of the Project, results from the implemented response plans are collected and lessons learned drawn and shaped into "knowledge products" to enrich the Knowledge Management System (KMS). Some examples are the following news:

- News (26 September 2017): "CTCN in Chile: Introducing climate friendly cooling alternatives in food processing" <https://www.ctc-n.org/news/ctcn-chile-introducing-climate-friendly-cooling-alternatives-food-processing>
- News (7 February 2018): "CTCN Collaboration Brings New Agricultural Technology and Investment for Mali" <https://www.ctc-n.org/news/ctcn-collaboration-brings-new-agricultural-technology-and-investment-mali>
- News (14 February 2018): "CTCN in Paraguay: Working on environmental flows and river basin management framework" <https://www.ctc-n.org/news/ctcn-paraguay-working-environmental-flows-and-river-basin-management-framework>
- News (16 May 2018, ECOWAS): "15 West African countries build a gender-just energy system: Entrepreneurs at the Global Investment Forum in Vienna" <https://www.ctc-n.org/news/15-west-african-countries-build-gender-just-energy-system-entrepreneurs-global-investment-forum>

## 12. Mid-Term Review (MTR)

Please indicate the committed co-finance at **CEO Endorsement (Table C)\*** and the materialized co-finance\*\* as of FY 2018. If additional sources of co-finance have been added during project implementation, please add as appropriate.

	Sources of co-finance* (i.e. National government)	Name of co-financier* (i.e. Ministry of Finance)	Type of co-financing*	Amount confirmed at CEO (USD)*	Amount materialized at MTR (USD)**
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Total					

Please upload the relevant Tracking Tool (*optional for MSP*):

Please upload the relevant Core Indicators numbers / figures as of the date of the MTR.

If there has been commitment in the CEO Endorsement document to submit a [Mid-Term Evaluation \(MTE\)](#), please upload:

Please insert information on progress, challenges and outcomes on **stakeholder engagement** (based on the description of the Stakeholder engagement plan included at CEO Endorsement/Approval):

Please insert information on progress on **gender-responsive** measures, indicators and intermediate results as documented at CEO Endorsement/Approval in the gender action plan or equivalent:

Please outline **knowledge activities / products** (based on the Knowledge management approach approved at CEO Endorsement / Approval) and lessons learned (if available):

Please outline **main findings** of the **Mid-Term Review (MTR)**, i.e. key findings, recommendations and lessons learned:

### 13. Terminal Evaluation (TE)

Please indicate the (a) committed co-finance at **CEO Endorsement (Table C)** and (b) the materialized co-finance as of FY 2018. If additional sources of co-finance have been added during project implementation, please add as appropriate.

	(a) Sources of co-finance* (i.e. National government)	(a) Name of co-financier* (i.e. Ministry of Finance)	(a) Type of co-financing*	(a) Amount confirmed at CEO (USD)*	(b) Amount materialized at MTR (USD)**	(b) Amount materialized at TE (USD)**
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
Total						

Please upload the relevant Tracking Tool (TT):

Please upload the relevant **Core Indicators numbers / figures** as of the date of the TE.

Please upload the **Terminal Evaluation (TE)**:

Please insert information on progress, challenges and outcomes on **stakeholder engagement** (as evolved from the time of MTR):

Please insert information on progress on **gender-responsive** measures, indicators and intermediate results (as evolved

from time of MTR), lesson learned if available:

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Please outline **knowledge activities / products** (as evolved from time of MTR) and lessons learned:

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Please outline **main findings** of the **Terminal Evaluation (TE)**, i.e. key findings, recommendations and lessons learned:

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15. Thank You!

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AMR II submission confirmation 5832

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