Technical Assistance Closure Report Template

Objective of the technical assistance (TA) Closure Report:

- To communicate publicly in one document a summary of progress made and lessons learned during the TA towards the anticipated impact (sections 1-4).
- To document qualitative and quantitative data collected during TA, for use in donor and UN reporting (Annex 1).

Steps for completing the TA closure report:

1. The lead TA implementer submits the closure report at the end of the technical assistance as a final deliverable. The TA closure report will capture outputs, outcomes and impacts of all activities conducted under the TA. Please copy and summarise relevant material from previous TA outputs/deliverables and the Response Plan, as relevant.
2. A CTCN Manager will review and revise the closure report before final approval by the CTCN Deputy Director.

Important note on public and internal use of the closure report:
Once approved by the CTCN Deputy Director, the TA closure report will be a public document available on the CTCN website www.ctc-n.org. Selected content will be used for targeted communication activities. Annex 2 is for internal use only and will not be publicly available.

Closure Report for CTCN Technical Assistance

1. Basic information

Title of response plan	Technical guidance and support to conduct a technology needs assessment and a technology action plan for the Democratic Republic of the Congo
Technical assistance reference number	2019000037
Country / countries	The Democratic Republic of the Congo
NDE organisation	Centre d'Études et de Recherches sur les Énergies Renouvelables kitsisa de L'institut Supérieur des Techniques Appliquées-ISTA (CEREK – ISTA)
NDE focal point	Mr. Bernard Ndaye Nkanka Position: Professor and Chief, Section Electricité
NDE contact information	ndaye.nkanka@ista.ac.cd bngaye@gmail.com
Proponent focal point and organisation	Comission des Forets d'Afrique Centrale (COMIFAC)
Designer of the response plan	Deloitte Tohmatsu Financial Advisory LLC
Implementer(s) of technical assistance	Deloitte Tohmatsu Financial Advisory LLC
Beneficiaries	Beneficiaries include, but not limited to: ▪ Centre d'Études et de Recherches sur les Énergies Renouvelables kitsisa de L'institut Supérieur des Techniques Appliquées-ISTA (CEREK – ISTA)

	▪ Ministry of Agriculture, Fisheries and Livestock ▪ Ministry of Rural Development ▪ Ministry of Environment and Sustainable Development ▪ Minister for Regional Planning ▪ Ministry of Energy and Hydraulic Resources (MERH) ▪ National Energy Commission (CNE) ▪ National Agricultural Study and Research Institute (INERA) ▪ Ministry of Transport ▪ Other CSOs and participants to the workshops
Sector(s) addressed	Agriculture, Forestry, Energy, Transport
Technologies supported	▪ Conservation Agriculture ▪ Early Warning System ▪ Climate change monitoring system ▪ Agroforestry ▪ Reforestation ▪ Forest monitoring system ▪ Solar PV ▪ Hydroelectricity ▪ Improved cookstove ▪ Bus Rapid Transit (BRT) ▪ Mass rapid transit (MRT) in railway subsector ▪ Modal Transfer for Freight in Merchandise
Implementation start date	*14/01/2021*
Implementation end date	*05/10/2022*
Total budget for implementation	USD 261,200
Description of delivered outputs and products as well as the activities undertaken to achieve them. In doing so, review the log frame of the original response plan and refer to it as appropriate	The Technical Assistance delivered the following outputs: <u>Output 1.1 Effective coordination mechanism between NDA and National Designated Entity (NDE) for the UNFCCC Technology Mechanism and other climate finance focal points</u> ▪ Activity 1.1: Development of planning and communication documents ▪ Activity 1.2: Conduct stakeholder's analysis ▪ Activity 1.3: Support the establishment of a TNA Committee ▪ Activity 1.4: Development and endorsement of TNA Committee work plan for monitoring and oversight This output included the development of the following deliverables: ▪ Consolidated project work plan ▪ Monitoring and evaluation plan ▪ Impact Description ▪ Closure and Data Collection report ▪ Stakeholder mapping report

	▪ Official government circular establishing the national Technology Needs Assessment (TNA) committee ▪ TNA Constitution document ▪ A full list of participants, photo documentations and a report of the training conducted ▪ TNA Committee work plan <u>Output 2.1 Technology solutions identified and prioritized in accordance with national strategies and plans</u> ▪ Activity 2.1: Pre-selection of sub-sectors for the fulfilment of DRC's TNA ▪ Activity 2.2: Assess, prioritize and validate key technologies for the fulfilment of DRC's TNA ▪ Activity 2.3: Development of Technology Action Plan(s) per sector and /or sub (sector) This output included the development of the following deliverables: ▪ Report on TNA-Technology Action Plan (TAP) on alignment with CP and national plans ▪ Report on analysis of sectoral priorities expressed in national documents. ▪ Report describing the methodology utilized for sector and subsector selection and prioritization. ▪ Meetings minutes. ▪ Technology fact sheets ▪ Set of criteria for MCA exercise ▪ Workshops reports including a full list of participants, photo documentations. ▪ Final reports including a mitigation TNA report and an adaptation TNA report. ▪ Database in most suitable format ▪ Report and executive summary of each Technology Action Plan <u>Output 2.2 Stakeholder engagement consultative processes</u> ▪ Activity 2.4: National Consultation workshop to ensure national ownership and technology deployment ▪ Activity 2.5: Support the implementation of the Technology Action Plan with communications, guidance and training This output included the development of the following deliverables:

	▪ Workshop report including a full list of participants, photo documentations ▪ Terms of reference to be shared with GCF, training material and tools. ▪ Concept notes ▪ Competitive workshop and mentoring report ▪ Policy briefs and market-use cases for the selected technologies
Methodologies applied to produce outputs and products	▪ Desk review of existing technologies, market use cases, case studies, barriers ▪ Structured interviews with sector representatives ▪ Prioritization methodologies based on scoring (low hanging fruit, technologies requiring support, etc.) ▪ Training workshop for climate finance and concept note development and for students and young entrepreneurs
Reference to knowledge resources	None of the knowledge products of the UNFCCC Technology Executive Committee (TEC) were used in the development of the TA.
Deviations	No significant deviation.
Anticipated follow-up activities and next steps	The next step is to develop projects to introduce the identified technologies based on the actions proposed as part of the technology action plan and the draft concept notes. It is expected that stakeholders in DRC may be able to finalise concept notes before reaching out to Accredited Entities. However, additional technical assistance for the development of concept notes may be required.

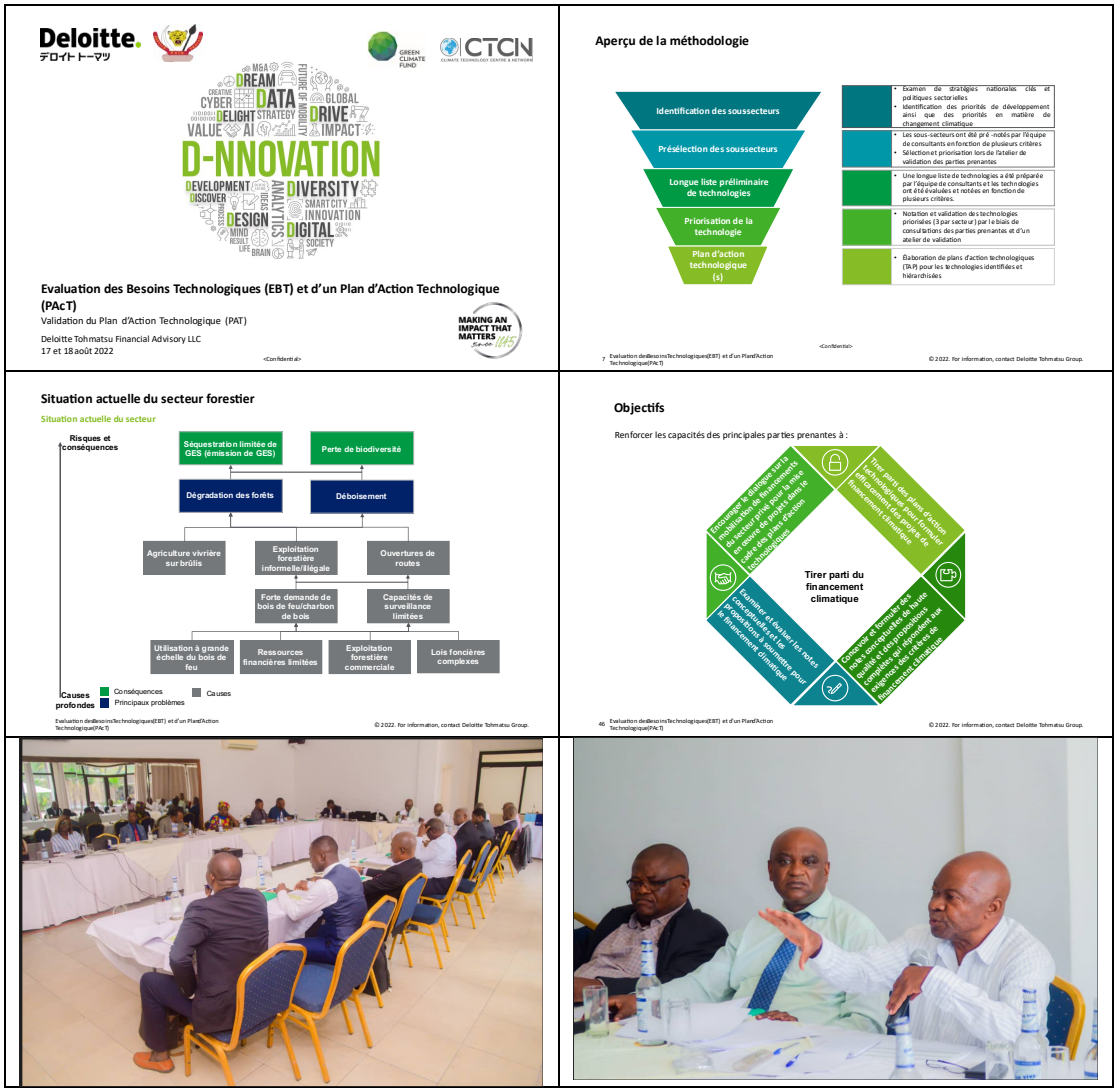
2. Lessons learned

	Lessons learned	**Recommendations**
Lessons learned from the CTCN TA process	There were quite a few deliverables that were unclear about elements and contents to be covered.	Clear guidance on deliverables would be appreciated.
Lessons learned related to climate technology transfer	The stakeholders clearly understood the urgency and importance of technology deployment, and there were clear opportunities identified by the TA related to climate technology transfer. There was a limited understanding of importance and variety of the enabling environment for the deployment of the technologies. Furthermore, it is still important to assess various	Limiting the assessment to a number of priority sector could be helpful in order to provide in depth information for each technology from a technical point of a view, as well as an assessment and road map for leveraging enabling environment including private sector.

	potential technologies in different sectors, however, the scope of this TA was a little broad.	

3. Illustration of the TA and photos

For communication purposes, please provide 2-4 Power Point slides, including illustrations or charts, describing barriers, opportunities, methodology, activities, outputs and achieved results. The illustrations must be copied into the TA Closure report but must also be delivered as power point files. Also, please provide at least five high-resolution pictures in jpg format, capturing technical assistance. The pictures should illustrate how the TA has impacted the lives of the beneficiaries in particular and the communities in general.



4. Impact Statement

The information in the table below will be used to communicate results and anticipated impacts of this technical assistance publicly. Please copy information from impact statement developed in the M&E Plan and update as relevant.

Challenge	DRC is one of the most fragile states and poorest countries in the world, and thus faces a number of climate challenge including intense rain, seasonal drought, river flooding, heat wave and coastal erosion. This is further exacerbated by the increase in frequency and intensity of extreme weather and climate events. In light of its climate priorities as well as its development strategy, DRC has identified several technologies that will contribute to the country's NDC.
CTCN Assistance	▪ Conduct a Technology Needs Assessment identifying and prioritizing climate change objectives, climate change mitigation and adaptation needs, and technologies that will contribute to the Congolese NDC. ▪ Develop comprehensive TAPs to introduce and proliferate the identified technologies ▪ Strengthen the policy, regulatory, institutional, technical, financial, business and social capacity of the key stakeholders
Anticipated impact: *Summarize the problem statement and desired impact. Describe how the TA is expected to lead to the desired impact. Include description of stakeholders, deliverables and timelines. As a minimum, please include at least one of the core impact indicators from the closure report Annex.*	▪ The TAPs developed during the TNA process will support DRC's stakeholders to developpe project ideas in an institutionally coordinated way ▪ The idea of gender mainstreaming in the TNA process and implementation

	of the TAP has been transferred among key stakeholders. ▪ Stakeholders are well familiarized with climate finance mechanism, especially with accessing to available climate finance schemes.
Co-benefits: Achieved or anticipated co-benefits from the TA: Instruction: Please indicate expected co-benefits as described in the response plan and in the relevant deliverables	The technologies identified in the process of this TA will contribute to the co-benefits in the prioritised sectors: ▪ Agriculture: The TA will contribute to enhance climate-resilient agriculture and thereby DRC's food security and farmers' resilience. ▪ Forestry: Through improving and/or sustaining forest coverage, the TA will contribute to improve forest carbon sequestration and forest eco system. ▪ Energy: Through promoting the low-carbon energy resources and tool, the TA will contribute to reduce GHG emission and air pollution and improve access to energy. ▪ Transport: Through identifying future steps to introduce low-carbon public transportation systems, the TA will contribute to realizing affordable and accessible way of transportations for citizens and private sectors. ▪ Gender: Through mainstreaming gender aspect, the TA will contribute to women's empowerment and gender equality.
Gender aspects of the TA *Instruction: Please indicate if technical assistance was supported by a gender analysis. Describe gender aspects identified and additional considerations taken to mainstream gender (e.g. equal participation in trainings, gathering of gender-disaggregated data, etc.).*	The TNA responded and addressed intersectional analysis of gender differentials, different needs and interests of women and men. Furthermore, the TNA process and the development of the TAP and its related trainings were designed to mainstream gender aspect.
Anticipated contribution to NDC *2 to 4 bullet points. Approximately 350 characters with spaces*	▪ The linkages between the NDC and the prioritized technologies were clearly identified through the comprehensive analysis and prioritization of this TA. ▪ The development of the TAPs will further contribute to link the NDC to the prioritized technologies through specific actions and financial means identified.

The narrative story: *Approximately 1200 characters with spaces* *Please provide a brief description of the background and context for the technical assistance. Describe the main problems and barriers for climate change mitigation and/or adaptation in terms of climate technologies that the CTCN technical assistance will address*	DRC is one of the most fragile states and poorest countries in the world, and thus faces a number of climate challenge as well as development challenges. DRC has been remaining to a small contributor to the global GHG emissions, however, the country's GHG emissions have been increasing due to its rapid population and economic growth as well as the progress of deforestation. The DRC's overall climate ambition is to reduce its emission by 17 percent (later being revised to 21 percent in 2021) compared to the Business as Usual (BAU) scenario by 2030. In the REDD process, DRC also aims to stabilize its forest area extended over 63.5% of the national territory by 2030 and maintain it thereafter. In this context, DRC has requested the support of CTCN and UNIDO for the development of a TNA and associated gender-responsive action plans for climate change mitigation and adaptation. These will help to implement its climate action plans and to access finance from climate finance sources, such as the GCF. The CTCN assistance aims to support in promoting better coordinate climate action in the country, while achieving Country Programming objectives. It will encompass the identification and prioritization of technologies that can support the achievement of the country's climate objectives. The TNA and TAPs developed will be a guidance for DRC to develop its climate finance pipeline. It will also support to bridge the gap among the technologies, enabling environment, and investments.
Contribution to SDGs A complete list of SDGs and their targets is available here: https://sustainabledevelopment.un.org/partnership/register/ *To the extent possible, please describe contribution to approximately 3 SDGs, including SDG13, with a few sentences for each SDG concerned.*	This TA will contribute to achieving the DRC's climate goals, thus it will contribute to SDG 13. The technologies identified are expected to target a broad range of sectors, including in climate mitigation, such as energy (low-carbon and accessible energy provision), forest (sustainable forest management and livelihood), and transportation (low-carbon and accessible transportation), and in climate adaptation, such as agriculture (sustainable livelihood, food security), among others. It will therefore at least contribute to goals 1 (End poverty in all its

	forms everywhere), 2 (End hunger, achieve food security and improved nutrition and promote sustainable agriculture), 7 (Ensure access to affordable, reliable, sustainable and modern energy for all), 11 (Sustainable cities and communities) and 15 (Life on land). The TNA responds to an intersectional analysis of gender differentials and the different priorities and needs of women and men. Thus, it will also contribute to goal 5 (Achieve gender equality and empower all women and girls).

Annex 1 Technical assistance data collection

Please add quantitative and qualitative values for the indicators selected in the M&E plan and monitored throughout the technical assistance in the tables below. Indicators which have been monitored in addition to the proposed indicators below may be added at the end of table A. Non-relevant indicators should be left blank.

A. Output and outcome indicators

Indicator Please note indicators below highlighted as **anticipated**	**Quantitative value** *Numerals only; disaggregates must sum to the total*	**Qualitative description** *List the various elements corresponding to the quantitative value as well as timelines and responsible institutions*
Total number of events organized by proponents and implementing partners	*11*	TNA training workshop (1), Subsector validation workshops (1), Technology validation workshops (2), TAP validation workshops (2), TAP training workshops (4), Student and young entrepreneur competitive workshop (1)
Number of participants in events organized by proponents and implementing partners	300	
a) Number of men	221	*Disaggregate by country*
b) Number of women	79	
Number of climate technology RD&D related events	*NA*	
Number of participants in climate technology RD&D events	*NA*	
a) Number of men	*NA*	
b) Number of women	*NA*	
Number of training organized by proponents and implementing partners	5	TNA training workshop (1), TAP training workshops (4)
Number of participants in trainings organized by proponents and implementing partners	93	
a) Number of men	68	
b) Number of women	25	
Total number of institutions trained	23	
a) Governmental (national or subnational)	15	1. Centre d'Études et de Recherches sur les Énergies Renouvelables kitsisa de L'institut Supérieur des Techniques Appliquées-ISTA (CEREK – ISTA)

		2. Ministry of Agriculture, Fisheries and Livestock 3. Ministry of Rural Development 4. Ministry of Environment and Sustainable Development 5. Minister for Regional Planning 6. Ministry of Energy and Hydraulic Resources 7. Ministry of Transport and communication 8. Ministry of Industry 9. National Fund for the Promotion of Women and the Protection of Children "FONAFEN" 10. National Energy Commission (CNE) 11. National Agricultural Study and Research Institute (INERA) 12. Higher Institute of Applied Techniques 13. National Agency of Meteorology and Teledetection by Satellite 14. National Institute for Agronomic Studies and Research 15. National Agency for the Development of Congolese Entrepreneurship
b) Private sector (bank, corporation, etc.)	1	1. National Electricity Company
c) Nongovernmental (NGO, University, etc.)	7	1. Action for the protection of Human, Animal and Plant Health (Action for the protection of Human, Animal and Plant Health) 2. Environment, Natural Resources and Development Institute (ERND) 3. National Pedagogical University 4. Environmental civil society (SOCIEV-RDC) 5. Humana People to People Congo (HPP-Congo) 6. Commission of Central African Forests DRC

		7. Green Space Network DRC
Percentage of participants reporting satisfaction with CTCN training (from CTCN training feedback form)		*Satisfied= 4+ on 5-pt scale*
Percentage of participants reporting increased knowledge, capacity and/or understanding as a result of CTCN training (from CTCN training feedback form)		*Increased knowledge, capacity and/or understanding= 4+ on 5-pt scale*
a) Percentage of men		
b) Percentage of women		
Total number of deliverables produced during the assistance (excluding mission, progress and internal reports)	33	
a) Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	33	1. Stakeholder mapping report 2. Official government circular establishing the national TNA committee 3. TNA Constitution document 4. Report of the training conducted 5. TNA committee work plan 6. 8 Committee meeting reports 7. Report comprising TNA-TAP on alignment with CP and national plans, analysis of sectorial priorities expressed in national documents, methodology utilized for sector and subsector selection and prioritization 8. Meeting minutes 9. Technology fact sheets per sector 10. Report comprising the set of criteria for MCA exercise, a mitigation TNA report and an adaptation TNA report 11. Technology validation workshops report 12. Database 13. Technology Action Plan 14. Executive summary of TAP 15. TAP validation (national consultation) workshop report 16. Concept note from TAP 17. Terms of reference to be shared with GCF, training material and tools 18. 4 Policy briefs and market-use cases

		19. Report on the dissemination strategy 20. Training materials 21. Training workshop report 22. Student and Young Entrepreneur competitive workshop report 23. Concept note from the Student and Young entrepreneur competitive workshop
b) Number of tools and technical documents strengthened, revised or developed		
c) Number of other information materials strengthened, revised or created (For example training and workshop reports, Power Points, exercise docs etc.)		
Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance	*NA*	
a) Adaptation related	*NA*	*List the type and name of documents supported*
b) Mitigation related	*NA*	*List the type and name of documents supported*
c) Both adaptation- and mitigation related	*NA*	*List the type and name of documents supported*
Anticipated number of policies, strategies, plans, laws, agreements or regulations proposed, adopted or implemented as a result of the TA	*NA*	
a) Adaptation related	*NA*	*List the type of documents anticipated to be proposed, adopted or implemented*
b) Mitigation related	*NA*	*List the type of documents anticipated to be proposed, adopted or implemented*
c) Both adaptation- and mitigation related	*NA*	*List the type of documents anticipated to be proposed, adopted or implemented*
Anticipated number of technologies transferred or deployed as a result of CTCN support	12	1. Conservation Agriculture 2. Early Warning System 3. Climate change monitoring system 4. Agroforestry 5. Reforestation 6. Forest monitoring system 7. Solar PV 8. Hydroelectricity 9. Improved cookstove 10. Bus Rapid Transit (BRT) 11. Mass rapid transit (MRT) in railway subsector

		12. Modal Transfer for Freight in Merchandise
Anticipated number of collaborations facilitated or enabled as a result of technical assistance	*NA*	
a) Number of South-South collaborations	*NA*	*List the names of the organisations (excluding the CTCN or TA implementers)*
b) Number of RD&D collaborations	*NA*	*List the names of the organisations (excluding the CTCN or TA implementers)*
c) Number of private sector collaborations	*NA*	*List the names of the organisations (excluding the CTCN or TA implementers)*
Number of countries with strengthened National System of Innovation as a result of CTCN support	*NA*	*List names of countries*
Insert any additional indicators here		

B. Core impact indicators

Please fill in the tables for anticipated impacts of the CTCN assistance. Every technical assistance should contribute to at least one of the indicators below. For guidance on how to report on core indicators see the 'M&E Guidance Document for TA Implementers'.

Core indicator 1	**Anticipated metric tons of CO_2 equivalent (CO_2e) emissions reduced or avoided as a result of CTCN TA** *Please add your calculations in word or excel format as an Annex to this Closure Report, where applicable.*	
	Anticipated metric tons of CO_2e reduced or avoided as a result of the TA **on annual basis**	Anticipated metric tons of CO_2e reduced or avoided as a result of the TA **in total**
Quantitative value *(emissions reductions)*	*Total number (numerals only, no rounding or abbreviations)*	*Total number (numerals only, no rounding or abbreviations)*
Unit	tCO_2e	tCO_2e
GHG assessment boundary (project emissions) Identify expected post-TA activities, associated effects and assess boundary for quantification of GHG emission reductions		
Baseline emissions Describe baseline scenario, baseline candidates, emission		

factors and emissions calculated		
Methodology Explain the method or process of verifying the indicator and how data was gathered		
Assumptions Describe assumptions made during calculation and quantification of GHG reductions		

Core indicator 2	**Anticipated increased economic, health, well-being, infrastructure and built environment, and ecosystems resilience to climate change impacts as a result of technical assistance** *Please provide a **qualitative** description of the anticipated impacts on the categories below*
Infrastructure and built environment Anticipated increased infrastructure resilience (avoided/mitigated climate induced damages and strengthened physical assets)	Through the implementation of actions such as environment assessments specified in the TAP for the transportation sector, the TAP will contribute to development of climate- and disaster-resilient transportation infrastructures.
Ecosystems and biodiversity Anticipated increased ecosystem resilience (areas with increased resistance to climate-induced disturbances and with improved recovery rates)	Especially through the deployment the technologies for the forest sector, the TAP will contribute to expansion of forest cover and improvement of degraded forest, and thereby will contribute to DRC's ecosystem and biodiversity.
Economic Anticipated increased economic resilience (e.g. less reliance on vulnerable economic sectors or diversification of livelihood)	DRC's vulnerable groups, especially rural farmers, women, female-headed households, indigenous groups, will be more resilient to the impact of climate change, as a result of the implementation of the TAP, through diversified income flows, enhanced sustainability of livelihood, new business opportunities identified.
Health and wellbeing Anticipated increased health and wellbeing of target group (e.g. improved basic health, water and food security)	Co-benefits from the implementation of TAPs are expected to contribute to enhanced food security and improved air quality, among others.

Core indicator 3	**Anticipated number of direct and indirect beneficiaries as a result of the TA**	
	Quantitative value	**Means of verification**
Total beneficiaries	*Total number*	
Number of adaptation beneficiaries	27 million	The approximate number of people affected by flood events (about 440,000), people living within 100 km of

		coast (1.3 million), people living in informal settlements (23 million) and internally displaced person and refugees (2.3 million).
Number of mitigation beneficiaries	83 million	The approximate number of people who lack access to electricity (90 percent of the population)
Number of adaptation-and mitigation beneficiaries	55 million	The approximate number of people (60 percent of the population) who are involved in the agricultural sector

Core indicator 4	**Anticipated amount of funding/investment leveraged (USD) as a result of TA (disaggregated by public, private, national, and international sources, as well as between anticipated/confirmed funding)**			
	Quantitative value confirmed *in USD*	**Quantitative value anticipated** *in USD*	**Qualitative description** *List the institutions, timelines, and description or title of the investment*	**Methods** *Describe methods used for quantification of funds leveraged*
Total funding	*Total number in USD (numerals only, no rounding or abbreviations)*	*Total number in USD (numerals only, no rounding or abbreviations)*		
Anticipated amount of public funding mobilised from national/domestic sources	-	USD 1 – 5 million	NDA of DRC, TNA Committee 2023 – 2024 Co-financing with GCF application	Based on the activities identified in the TAP
Anticipated amount of public funding mobilised from international/ regional sources	-	USD 10 – 50 million	NDA of DRC, TNA Committee 2023 – 2024 Co-financing with GCF application	Based on the activities identified in the TAP
Anticipated amount of private funding mobilised from national/domestic sources	-	USD 1 – 5 million	NDA of DRC, TNA Committee 2023 – 2024 Co-financing with GCF application	Based on the activities identified in the TAP
Anticipated amount of private funds mobilised from international/regional sources	-	-	-	-

Annex 2 (for internal use – to be filled in by the CTCN)

CTCN evaluation

This section will be completed by the relevant CTCN Technology Manager.

- Evaluation of the timeliness of the TA implementation as measured against the timeline included in the response plan;
- Evaluation of TA quality as defined in the response plan;
- Overall performance of the Implementers;
- Overall engagement of the NDE and Proponent;
- Lessons learned on the CTCN process and steps taken by the CTCN to improve.