CTCN Annual Operating Plan and Budget - 2020

I. Introduction

1. The Annual Operating Plan for 2020 builds on the Programme of Work for 2019-2022 and structures the activities the CTCN will undertake to deliver on its mandate and contribute to the implementation of the technology framework of the Paris Agreement. The Plan categorizes the activities performed in its three service areas (technical assistance; capacity building and networking; fostering access to information) according to the key themes identified by the technology framework: innovation; implementation; enabling environment and capacity building; collaboration and stakeholder engagement; and support.

2. The activities included in the annual operating plan are based on an assessment of priorities under the Technology Framework, the urgency of raising ambition in the next round of NDCs, and the funds available for implementation. As such, emphasis is placed on enabling activities including the mobilization of stakeholders and information as well as country-driven Technical Assistance supporting planning, governance and partnerships. The charts included in Annex I map the activities planned in 2020 against the CTCN service areas and the outcomes of the Programme of Work, and reference the corresponding activities identified in the Technology Framework.

3. The Plan includes indicators and targets linked to the specific activities of the CTCN in line with the Theory of Change, Logical Framework and Performance Measurement Frameworks that are part of the CTCN Monitoring and Evaluation Framework presented to the CTCN Advisory Board at its 14th Meeting in September 2019. Targets will be established for those areas not driven by country requests, but the CTCN will report across all relevant outputs and impacts in its reports to COP and via its website.  

4. The mission of the CTCN remains promoting the accelerated development and transfer of environmentally sound technologies for low-carbon and climate-resilient development at the request of developing countries. The CTCN will continue to provide services along the entire technology cycle that help developing countries implement their Nationally Determined Contributions and National Adaptation Plans, and ultimately achieve the objectives of the Paris Agreement.

5. Consistent with the Programme of Work 2019-2022, the CTCN will continue to deliver impactful technical assistance in response to developing countries’ priorities. The CTCN’s regional approach will facilitate this work by allowing for closer and more effective outreach. Multi-country requests will be targeted in order to identify sub-regional climate needs with potential for scale-up by development.

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1 https://www.ctc-n.org/about-ctcn/monitoring-evaluation
finance institutions and the private sector. Fast Technical Assistance (FTA) will enable the preparation of Terms of Reference of concept notes to relevant climate financial mechanisms as well as to provide short term responses to pressing technology needs of requesting countries.

6. In the implementation of its functions, the CTCN will then:
   a. Deliver faster, targeted TA linked to developing countries’ priorities identified in their current NDCs or that will inform the next round of updated NDCs;
   b. Seek to identify and strengthen support for Technical Assistance interventions with transformational impact;
   c. Help to strengthen the contribution of climate technology to national climate processes;
   d. Reinforce network and private sector engagement;
   e. Strengthen linkages among NDE and other national climate focal points;
   f. Mobilize in-kind and pro bono support and additional financial resources through alignment with bilateral and multilateral funding institutions, including the Green Climate Fund and the Global Environment Facility.

7. Gender considerations will remain an important cross-cutting element of CTCN services and operations, guided by the CTCN Gender Policy and Action Plan.

8. Similarly, the CTCN will engage with representatives of the youth constituency to increase their involvement in the Centre’s technical assistance service.

9. Monitoring and evaluation activities will be improved and implemented according to the CTCN Monitoring and Evaluation Framework. The CTCN Monitoring and Evaluation Framework will allow the CTCN to better report and communicate its results by enabling it to monitor, assess and evaluate the timeliness, appropriateness, quality, and effectiveness of the responses of the CTCN to requests by developing country Parties, in consultation with the requesting NDE. The M&E Framework also supports monitoring of non-TA activities related to capacity building and knowledge sharing.

10. The CTCN will implement its 2020 communication strategy in order to further generate awareness of CTCN services; engage stakeholders; disseminate climate technology information and best practices; and demonstrate the value provided by the CTCN’s efforts. It will do so through the use of social media and online communications; an annual CTCN Progress Report; communications support at the request of National Designated Entities; written briefs, videos and photos about CTCN technology transfer activities, outcomes and themes; message coordination with the UNFCCC, UNIDO, UN Environment, Financial Mechanism entities, and other key partners; media engagement; and communications support for relevant meetings and conferences.

11. Following a decline in the number of requests for Technical Assistance received from developing countries in 2018, demand has steadily grown in 2019, and the CTCN expects this trend to continue in 2020.
12. The CTCN will continue to engage countries, international financial institutions including the operating entities of the Convention’s Financial Mechanism, and foundations to mobilize resources able to ensure the delivery of its mandate. In-kind and pro-bono support from Parties will continue to be explored, and initial results indicate this modality allows for the scale up of support on a bilateral basis between countries. The implementation of the Monitoring and Evaluation Framework will allow for more robust and coherent reporting to donors and other stakeholders on the value added and impact of the activities carried out by the CTCN, and facilitate contributions from parties in a position to do so.

13. In 2020 the CTCN will make an additional effort to include lessons learned from its operations in light of the updated version of NDCs and the need for increased ambition. It will incorporate, in cooperation with the Advisory Board and guided by the Technology Framework and the 2019-2022 Programme of Work, any necessary adjustments to its approach to enhance the impact of the CTCN.

II. IMPLEMENTING THE TECHNOLOGY FRAMEWORK

Innovation

14. Within the realm of its mandate and resources, CTCN activities promote innovation along the technology cycle, balancing country adaptation and mitigation priorities in line with the objectives of the Paris Agreement. The CTCN will continue to support requesting countries in designing enabling policies that incentivize and nurture supportive environments for innovation. Subject to approval by the Adaptation Fund Board, the CTCN will implement the Adaptation Fund innovation micro-grant facility in countries without national implementing entities (NIE) while supporting the exchange of knowledge and information. Through collaboration with the Adaptation Fund, the CTCN will encourage and accelerate innovative approaches to address adaptation priorities and technologies. The CTCN will also continue collaborating with the Technology Executive Committee and the Green Climate Fund on activities to support Incubators and Accelerators in developing countries.

15. Activities CTCN will perform under this theme include [technology framework action]:

**Technical Assistance**
- Support designing policies, institutional, regulatory frameworks and planning processes on innovation [8a, 8d]
- Facilitate collaboration for RD&D [8e, 8f, 8g]
- Continue to promote the engagement of the private sector in the development of new and innovative climate technologies [8f, 8h]

**Capacity Building**
Assist to identify national priority technologies [8d]
Strengthen institutional arrangements [8a]

Knowledge Sharing
Promote RD&D, innovative technologies and best practices [8b, 8c]
Outreach to SMEs and private sector through online platform [8h, 8i]

Implementation

16. Implementation is the core of the CTCN mandate, and in 2020 the CTCN will continue to support developing countries by responding to their requests for technical assistance. In doing so the CTCN will be guided by the principles of the technology framework and will seek to promote scalability, replicability, and impact of its actions, in part through promoting regional approaches supported by resources from the Financial Mechanism of the Convention.

17. Opportunities to support South-South, North-South, triangular, and regional cooperation will be identified and promoted, as will collaborations with in-country stakeholders, regional partnerships, and through an increased focus on multi-country programmatic technical assistance. CTCN will continue to use its Fast-Technical Assistance (FTA) to provide targeted, short-term assistance to countries, including to support countries in accessing resources for larger projects. The CTCN will continue to deliver value through strengthened partnership with the Financial Mechanism, and actively seek other regional and global funding partners. Further, the CTCN will fully operationalize the monitoring and evaluation framework to better record and communicate the results and longer terms impact of its interventions.

18. Activities CTCN will perform under this theme include:

Technical Assistance
Support national planning tools and processes [12b]
Facilitate the undertaking and updating of TNAs, as well as enhancing the implementation of their results, particularly technology action plans and project ideas, and capacity-building related to TNAs [12a]

Capacity Building
Training on Technology Needs Assessments (TNAs) and Technology Action Plans (TAPs) [12a, 12b]
Develop technology identification and assessment methods [12d]

Knowledge Sharing
• Sharing lessons learned from CTCN technical assistance related to TNA implementation via online platform [12a]

Enabling environment and capacity building

19. Most, if not all, CTCN interventions include activities aimed at building capacity in requesting countries to help ensure the absorption and adoption of the assistance received. In 2020 the CTCN will emphasize collaborations with domestic and international in-country efforts in priority sectors as identified by NDCs and NAPs. Support to the development of domestic and regional planning documents, such as Technology Needs Assessments (TNA) and Technology Action Plans (TAPs), will remain available for countries to inform more ambitious NDCs, and investment pipelines. Least Developed Countries and Small Island Developing States will remain a priority for the CTCN, as will gender considerations and attention to vulnerable groups.

20. The creation and strengthening of enabling environments are areas in which the CTCN has achieved most of its anticipated impacts and has the most value-added. The identification and diffusion of international best practices and the support in their implementation will be an area of focus in 2020. This will critically have to happen in collaboration with other stakeholders, and with the Financial Mechanism in particular. Version 2.0 of the GCF Readiness Programme promises to allow for longer-term support to developing countries that the CTCN is ideally positioned to source and coordinate with in-country oversight by national focal points.

21. Activities CTCN will perform under this theme include:

  Technical Assistance
  • Inputs toward policies, legal and regulatory frameworks on promotion of tech development and transfer [16b, 16d]
  • Gender and endogenous considerations incorporated in project cycle [16c]

  Capacity building
  • Capacity building activities for public, non-governmental, and private sector [16e, 16h, 16i, 16k]
  • Training workshops and national events with NDE and other stakeholders [16f, 16j]

  Knowledge sharing
  • Lessons learned from technical assistance gathered and relevant resources shared online [16a, 16f]
  • Training workshops and national events with NDE and other stakeholders [16a, 16j]
Collaboration and stakeholder engagement

22. Collaboration with and engagement of a vast array of stakeholders in both international and domestic settings is part of the COP vision for the CTCN. Nationally Designated Entities remain critical in leading in-country engagement, and the CTCN will continue to support their engagement with other focal points under the Convention as well as with donor initiatives and stakeholders active nationally and regionally. This will serve to help advance climate technology priorities as defined in NDCs and NAPs, reduce overlap with existing initiatives, and increase the effectiveness and efficiency of CTCN interventions. Effort will be put into transversally integrating collaboration and stakeholder engagement into all activities, including in the other themes of the technology framework.

23. The CTCN intends to increase collaborations with academia and research organizations located in both developing and developed countries on technical assistance, capacity-building and knowledge sharing to showcase technology solutions, analysis, case studies, and best practices.

24. The number of CTCN Network members exceeded 500 by August 2019. The CTCN will explore the areas of value added for the members beyond the bidding opportunities for technical assistance projects, based on the results of the online survey conducted in August 2019. One of such areas which the CTCN continues to provide the members is the opportunity to present their competence and experiences by contributing articles to the annual publication and organizing webinars. The other areas in consideration are to establish a pool of experts, online communities of practice, a matchmaking portal for other business opportunities, e-newsletter, and the co-organization of sub-regional meetings to develop matchmaking opportunities especially for SMEs. Moreover, CTCN will continue to foster a focused expansion of the network with an emphasis on the private sector, particularly from developing countries.

25. Activities CTCN will perform in this theme include:

**Technical Assistance**
- Feasibility of technology options, market surveys and financing facilitation
- Sectoral roadmaps, strategies, technology identification & prioritization

**Capacity building**
- Collaboration with academia and research [20d]
- Partnerships with complementary organizations [20a, 20b]

**Knowledge sharing**
- Collaboration with academia and research [20d]
- Partnerships with complementary organizations [20a, 20b]
- Stakeholder knowledge leveraged [20c, 20d]
Support

26. The ability of the CTCN to provide its services in support of developing countries’ technology priorities and of the implementation of technology framework is correlated to the financial and non-financial resources at its disposal and that the CTCN is able to leverage on the basis of its activities.

27. The CTCN will work with its host organizations, Nationally Designated Entities and other key implementing partners in enhancing mutually beneficial linkages with the Financial Mechanism of the Convention, and public and private stakeholders to provide concrete support to NDC and NAP objectives. The CTCN will facilitate the provision of in-kind and pro bono support by Parties in a position to do so to respond to developing country requests.

28. The CTCN and TEC are developing a framework to better track and capture the impact of the activities of the Technology Mechanism. This framework will contribute to the Periodic Assessment of the Technology Mechanism as well as to the enhanced transparency framework of the Paris Agreement, and will enable more robust reporting to donors and other partners on the effectiveness of the support provided by the services of the Technology Mechanism in general and the CTCN in particular.

29. Activities CTCN will perform under this theme include:

**Technical Assistance**
- Secure GCF, GEF, and Adaptation Fund resources [25a]
- Technical support to developing countries on an as-needed basis [25c]
- Mobilization of various pro bono and in-kind support [25b, 25d]

**Capacity building**
- Events with NDEs, UNFCCC, GCF, GEF, and Adaptation Funds’ focal points, Network members to enhance collaborations [25a]
- Identify Funding opportunities and increase the capacity of NDEs to access finance in support of climate technology priorities [25b, 25c]

**Knowledge sharing**
- Events with NDEs, UNFCCC, GCF and GEF focal points, Network members [25a]
- M&E activities [25e]
### III. Targets for 2020

Indicators and targets associated with key CTCN outcomes and outputs are described below (tentative pending approval of the Monitoring and Evaluation Framework). Fields marked with * indicate areas dependent on country requests for CTCN services or that will be reported on qualitatively, ex-post, and as such do not have associated targets. Only qualitative impacts will be reported for CTCN Fast Technical Assistance interventions.

<table>
<thead>
<tr>
<th>Outcome/Output</th>
<th>Indicator</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INNOVATION</strong></td>
<td><strong>Outcome 1: Key stakeholders develop, deploy, and diffuse new and existing innovative climate technologies</strong></td>
<td></td>
</tr>
<tr>
<td>1.A. Number of countries developing, transferring and deploying new and existing climate technologies as a result of CTCN support</td>
<td>25-30 countries served</td>
<td></td>
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<tr>
<td>1.B. Number of anticipated cooperative research, development, and demonstration programmes within and between developed and developing country Parties facilitated as a result of CTCN TA</td>
<td>4-5 matchmaking &amp; pro bono opportunities realized</td>
<td></td>
</tr>
<tr>
<td><strong>Output 1.1: Knowledge sharing on climate technology RD&amp;D and new and innovative technologies</strong></td>
<td>1.1.a. Number of climate technology RD&amp;D-related knowledge sharing workshops and events [does not include trainings]</td>
<td>5-10</td>
</tr>
<tr>
<td>1.1.b. Number of participants in climate technology RD&amp;D-related workshops and events (gender- and country-disaggregated)</td>
<td>150-200</td>
<td></td>
</tr>
<tr>
<td>1.1.c. Number of knowledge resources related to RD&amp;D and new and innovative technologies made available on the CTCN knowledge platform</td>
<td>30-40</td>
<td></td>
</tr>
<tr>
<td><strong>Output 1.2: Countries assisted in developing national institutional, legal and regulatory frameworks to encourage climate technology RD&amp;D and uptake</strong></td>
<td>1.2.a. Number of countries receiving CTCN support for national institutional, legal and regulatory frameworks to encourage climate technology RD&amp;D and uptake</td>
<td>*</td>
</tr>
<tr>
<td>1.2.b. Number of countries with strengthened National Systems of Innovation as a result of CTCN support</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td><strong>IMPLEMENTATION</strong></td>
<td><strong>Outcome 2: Countries have clear pathways with identified support options to enhance technology development and transfers</strong></td>
<td></td>
</tr>
<tr>
<td>2.A. NDE feedback on potential uptake of CTCN TA and non-TA recommendations and products to enhance technology development and transfer</td>
<td>*</td>
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<tr>
<td>2.B. Number of countries having received support from CTCN to implement TNAs and TAPs</td>
<td>15-20</td>
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<tr>
<td>Output 2.1: Enhanced planning tools and processes for technology development and transfer</td>
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<tr>
<td>2.1.a. Number of CTCN technical assistance supported (disaggregated between TA and FTA)</td>
<td></td>
<td></td>
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<tr>
<td>30 new requests supported</td>
<td></td>
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<tr>
<td>2.1.b. Lessons learned from TA implementation available on CTCN knowledge platform</td>
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<tr>
<td>*</td>
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<tr>
<td>2.1.c Number of technology feasibility studies conducted and sectoral road maps developed</td>
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<table>
<thead>
<tr>
<th>Output 2.2: Enhanced technical capacity for technology development and transfer</th>
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</thead>
<tbody>
<tr>
<td>2.2.a. Percentage of participants reporting satisfaction with CTCN training (disaggregated by gender)</td>
</tr>
<tr>
<td>&gt;90% satisfaction (3+ on 5-pt scale) reported by workshop/training participants</td>
</tr>
<tr>
<td>2.2.b. Percentage of participants reporting increased knowledge, capacity and/or understanding as a result of CTCN training (disaggregated by gender)</td>
</tr>
<tr>
<td>&gt;90% satisfaction (3+ on 5-pt scale) reported by workshop/training participants</td>
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<thead>
<tr>
<th>COLLABORATION AND STAKEHOLDER ENGAGEMENT</th>
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<tbody>
<tr>
<td>Outcome 3: A broad range of stakeholders collaborate in promoting gender-responsive climate technology development and transfer</td>
</tr>
<tr>
<td>3.A. Number of engaged network members and knowledge partners</td>
</tr>
<tr>
<td>20% of Network members</td>
</tr>
<tr>
<td>3.B. Percentage of new CTCN TA implemented through Network Members</td>
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<tr>
<td>75 to 80% of TA implementers contracted in 2020</td>
</tr>
<tr>
<td>3.C. Overall satisfaction of key stakeholders with CTCN services</td>
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<tr>
<td>Average satisfaction 3.5/5</td>
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<table>
<thead>
<tr>
<th>Output 3.1: Enhanced platforms and tools for collaboration and learning on climate technology development and transfer</th>
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</thead>
<tbody>
<tr>
<td>3.1.a. Number of tools, technical documents and information material supported by the assistance (excluding mission, progress and internal reports) (disaggregated by type)</td>
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<tr>
<td>80-100</td>
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<thead>
<tr>
<th>Output 3.2: Active partnerships between scientific community, authorities, private sector, CSOs, and financial institutions</th>
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</thead>
<tbody>
<tr>
<td>3.2.a. Total number of members in the CTC Network (disaggregated by region, type, approach, enabler and expertise)</td>
</tr>
<tr>
<td>620</td>
</tr>
<tr>
<td>3.2.b. Number of organizations engaged through CTCN support, disaggregated by type of organization (Excluding TA implementers)</td>
</tr>
<tr>
<td>125-150</td>
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<tr>
<td>3.2.c. Number of South-South collaborations enabled during or through CTCN TA support, when stakeholders from other countries were involved in the assistance</td>
</tr>
<tr>
<td>2-5</td>
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<tr>
<th>ENABLING ENVIRONMENT AND CAPACITY BUILDING</th>
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<tbody>
<tr>
<td>Outcome 4: Stakeholders have the necessary capacity and enhanced institutional and legal frameworks to</td>
</tr>
<tr>
<td>4.A. Number of stakeholders with enhanced technical capacities to develop, deploy and diffuse climate technologies</td>
</tr>
<tr>
<td>450-500</td>
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<tr>
<td><strong>develop, deploy and diffuse climate technologies</strong></td>
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<td><strong>Output 4.1: Facilitation of widespread public awareness on climate technology</strong></td>
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<tr>
<td><strong>Output 4.2: Enabling environments created for the development and transfer of socially and environmentally sound technologies</strong></td>
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</table>

**SUPPORT**

<table>
<thead>
<tr>
<th><strong>Outcome 5: Financial and technical resources identified and available to support climate technology development and transfer</strong></th>
<th>5.A. Annual percentage increase of funding mobilised for the activities of the CTCN</th>
<th>10% increase in funding mobilized for the activities of the CTCN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output 5.1: Multi-tier collaboration with Financial Mechanism operating entities</strong></td>
<td>5.1.a Number of events co-organised with operating entities of the Financial Mechanism (GEF, GCF), MDBs</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>5.1.b Extent of mutually beneficial engagement (financial, technical or other) between the operating entities of the Financial Mechanism (GEF, GCF), MDBs, and the CTCN</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>5.1.c Number of technical assistance supported by the GEF/GCF</td>
<td>10-12</td>
</tr>
<tr>
<td>Output 5.2: Diversification and mobilization of the types and sources of technical and financial support available to countries</td>
<td>(disaggregated by adaptation/mitigation)</td>
<td></td>
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<tr>
<td>5.2.a. Value of pro bono and in-kind support secured for CTCN activities</td>
<td>$500,000 - 1 million</td>
<td></td>
</tr>
<tr>
<td>5.2.b. Level of donor engagement</td>
<td>10 donors engaged</td>
<td></td>
</tr>
<tr>
<td>5.2.c. Number of technology proposals developed through CTCN technical assistance that are supported by the GEF/GCF</td>
<td>3-5</td>
<td></td>
</tr>
</tbody>
</table>
# V. Draft 2020 CTCN Budget

<table>
<thead>
<tr>
<th>Main component</th>
<th>USDs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Technical assistance in response to country requests</strong></td>
<td></td>
</tr>
<tr>
<td>1.1 Requests coordination, refinement, support</td>
<td>540,000</td>
</tr>
<tr>
<td>1.2 Requests implementation (including Fast Technical Assistance)</td>
<td>4,300,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>4,840,000</strong></td>
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<tr>
<td><strong>2. Outreach, networking and stakeholder engagement</strong></td>
<td></td>
</tr>
<tr>
<td>2.1 Outreach and Communication</td>
<td>170,000</td>
</tr>
<tr>
<td>2.2 CTCN NDEs and Networking Engagement</td>
<td>1,000,000</td>
</tr>
<tr>
<td>2.3 Stakeholder Engagement</td>
<td>330,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,500,000</strong></td>
</tr>
<tr>
<td><strong>3. Knowledge Management, peer learning and capacity building</strong></td>
<td></td>
</tr>
<tr>
<td>3.1 KMS Technical and Content Development</td>
<td>290,000</td>
</tr>
<tr>
<td>3.2 KMS Content Development</td>
<td></td>
</tr>
<tr>
<td>3.3 Capacity Building activities and material</td>
<td>900,000</td>
</tr>
<tr>
<td>3.4 Monitor and Evaluation</td>
<td>70,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,260,000</strong></td>
</tr>
<tr>
<td><strong>4. CTC operation costs</strong></td>
<td></td>
</tr>
<tr>
<td>CTC operations</td>
<td>2,200,000</td>
</tr>
<tr>
<td>AB Meetings and other UN meetings</td>
<td>200,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>2,400,000</strong></td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>10,000,000</strong></td>
</tr>
<tr>
<td>PSC (averaged)</td>
<td>1,130,000</td>
</tr>
<tr>
<td><strong>GRAND TOTAL INCLUDING PSC</strong></td>
<td>11,130,000</td>
</tr>
</tbody>
</table>
Annex I – Mapping of AOP Activities against the Programme of Work

The annual operating plan is a reflection of the Programme of Work 2019-2022 and is fully aligned with the M&E framework to ensure consistent reporting.

The selection of activities for inclusion in the annual operating plan is based on an assessment of priorities for the first annual operating plan under the Technology Framework and the urgency of raising ambition in the next round of NDCs. As such, emphasis is placed on enabling activities including the mobilization of stakeholders and information as well as country-driven Technical Assistance supporting planning, governance and partnerships.

The below charts map the annual operating plan activities against the CTCN service areas (y-axis) and the Programme of Work outcomes (x-axis). The number / letter combinations (e.g. 25 (a)) indicate the corresponding activity within the Technology Framework.

**Innovation:**

<table>
<thead>
<tr>
<th></th>
<th>Countries incentivize innovation (8a)</th>
<th>Information on RD&amp;D partnerships 8(b)</th>
<th>Development, deployment, dissemination and diffusion 8(c)</th>
<th>Long-term technological transition pathways 8(d)</th>
<th>Joint RD&amp;D activities 8(e)</th>
<th>Public-private partnerships 8(f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Assistance</td>
<td>Designing policies, institutional, regulatory frameworks and planning processes</td>
<td>-</td>
<td>-</td>
<td>Designing policies, institutional, regulatory frameworks and planning processes</td>
<td>Facilitate collaboration for RD&amp;D</td>
<td>Continue to promote the engagement of the private sector in the development of new and innovative climate technologies</td>
</tr>
<tr>
<td>Capacity Building</td>
<td>Strengthen institutional arrangements</td>
<td>-</td>
<td>-</td>
<td>Identify national priority technologies</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Knowledge Sharing</td>
<td>-</td>
<td>Promote RD&amp;D, innovative technologies and best practices</td>
<td>Promote RD&amp;D, innovative technologies and best practices</td>
<td>-</td>
<td>-</td>
<td>Outreach to SMEs and private sector through online platform</td>
</tr>
</tbody>
</table>
**Implementation:**

<table>
<thead>
<tr>
<th></th>
<th>Countries undertake, update and implement TNAs 12 (a) and (b)</th>
<th>Stakeholders access approaches, tools and means for the assessment of technologies that are ready to transfer 12 (c)</th>
<th>Enabling environments for the development and transfer of socially and environmentally sound technologies 12(e)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technical Assistance</strong></td>
<td>Support national planning tools and processes such as Technology Needs Assessments and Technology Action Plans (TAPs)</td>
<td>-</td>
<td>Facilitate the undertaking and updating of TNAs, as well as enhancing the implementation of their results, particularly technology action plans and project ideas, and capacity-building related to TNAs</td>
</tr>
<tr>
<td><strong>Capacity Building</strong></td>
<td>Training on Technology Needs Assessments (TNAs) and Technology Action Plans</td>
<td>Develop technology identification and assessment methods</td>
<td>-</td>
</tr>
<tr>
<td><strong>Knowledge Sharing</strong></td>
<td>Sharing lessons learned from CTCN technical assistance related to TNA implementation via online platform</td>
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</tbody>
</table>
## Enabling Environment and Capacity Building:

<table>
<thead>
<tr>
<th>Increasing awareness of climate technology development and transfer tools, approaches and methods 16 (a)</th>
<th>Countries build investment-friendly environments 16(h)</th>
<th>Enhance enabling environments to promote endogenous and gender-responsive technologies 16(c)</th>
<th>Private and public sector incentivized to fully realize the development and transfer of climate technologies 16 (d)</th>
<th>Governments foster private sector involvement 16 (e)</th>
<th>Information is shared and networking enhanced on technology development and transfer 16 (f)</th>
<th>Collaboration enhanced with existing capacity-building organizations and institutions 16 (i)</th>
<th>Capacity of NDEs of all Parties, especially those in developing countries, is increased 16 (j)</th>
<th>Capacities of Parties to plan, monitor and achieve technological transformation is increased 16 (k)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Assistance</td>
<td>*</td>
<td>Inputs toward policies, legal and regulatory frameworks on promotion of tech development and transfer</td>
<td>Gender and endogenous considerations incorporated in project cycle</td>
<td>Inputs toward policies, legal and regulatory frameworks on promotion of tech development and transfer</td>
<td>*</td>
<td>*</td>
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<tr>
<td>Capacity Building</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>Capacity building activities for public, non-governmental, and private sector</td>
<td>Training workshops and national events with NDE and other stakeholders</td>
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<tr>
<td>Knowledge Sharing</td>
<td>Training workshops and national events with NDE and other stakeholders</td>
<td>Lessons learned from technical assistance gathered and relevant resources shared online</td>
<td>*</td>
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<td>Lessons learned from technical assistance gathered and relevant resources shared online</td>
<td>*</td>
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</table>
Collaboration and Stakeholder Engagement:

<table>
<thead>
<tr>
<th></th>
<th>Enhanced collaboration and engagement with relevant stakeholders in the implementation of Technology Mechanism Activities 20 (a)</th>
<th>Enhanced engagement and collaboration with the private sector 20 (b)</th>
<th>Enhanced engagement between NDEs and relevant stakeholders 20 (c)</th>
<th>Enhanced collaboration and synergy with relevant international organizations to leverage their specific expertise, experience, knowledge and information 20 (d)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technical Assistance</strong></td>
<td>Sectoral roadmaps, strategies, technology identification &amp; prioritization</td>
<td>Feasibility of technology options, market surveys and financing facilitation</td>
<td>-</td>
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<tr>
<td><strong>Capacity Building</strong></td>
<td>Partnerships with complementary organizations</td>
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<td>-</td>
<td>Collaboration with academia and research</td>
</tr>
<tr>
<td><strong>Knowledge Sharing</strong></td>
<td>Partnerships with complementary organizations</td>
<td>Partnerships with complementary organizations</td>
<td>Stakeholder knowledge leveraged</td>
<td>Collaboration with academia and research</td>
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</tbody>
</table>

Stakeholder knowledge leveraged
### Support:

<table>
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<tr>
<th></th>
<th>Collaboration of the Technology Mechanism with the Financial Mechanism is enhanced 25 (a)</th>
<th>Enhanced technical support is provided to developing country Parties in a country-driven manner 25 (b)</th>
<th>Access to financing, engagement and collaboration with stakeholders, including organizational and institutional support are facilitated 25 (c)</th>
<th>Mobilization of various types of support, including pro bono and in-kind, from various sources 25 (d)</th>
</tr>
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<tbody>
<tr>
<td><strong>Technical Assistance</strong></td>
<td>Secure GCF, GEF, and Adaptation Fund resources</td>
<td>Mobilization of various pro bono and in-kind support</td>
<td>Technical support to developing countries on an as-needed basis</td>
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<tr>
<td><strong>Capacity Building</strong></td>
<td>Events with NDEs, UNFCCC, GCF, GEF, and Adaptation Funds’ focal points, Network members to enhance their collaborations</td>
<td>Identify Funding opportunities and increase the capacity of NDEs to access finance in support of climate technology priorities</td>
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