Technology Executive Committee

23 March 2020

Twentieth meeting

Virtual meeting, 1–3 April 2020

Approach to capture information on needs, challenges, gaps and measures to develop and enhance endogenous capacities and technologies

Background note

I. Introduction

A. Background

- 1. As per activity 2 of the thematic area Enabling environment and capacity-building of its workplan for 2019–2022, the TEC agreed to analyse measures that facilitate countries in enhancing enabling environment to promote endogenous capacities and technologies.
- 2. The TEC previously has undertaken various work relating to development and enhancement of endogenous capacities and technologies, in response to mandate from Parties from COP21 in Paris as stipulated in decision 1/CP.21 paragraph 66(b). The work includes the following:
 - (a) Preliminary study in 2016–2017;
- (b) TEC survey of stakeholders' perspectives on the understanding of the "endogenous" concept (in relation to endogenous capacities and technologies) in 2018;
- (c) Soliciting inputs from other constituted bodies of the UNFCC and operating entities of Financial Mechanism in 2018;
- (d) Dialogue, in collaboration with the Paris Committee on Capacity Building (PCCB), to promote shared understanding of endogenous concept to wider stakeholders in 2019;²
- (e) Key messages to the COP25/CMA 2 as contained in the joint annual report of the TEC and CTCN for 2019.³
- 3. As part of the activity of the new rolling workplan, in 2020 the TEC will identify and analyse, including CTCN work, the needs, gaps and challenges, and enabling environments to promote endogenous capacities and technologies. The deliverable in 2020 is a working paper/product, followed by a recommendation to COP/CMA in 2021. The task force on Enabling environment and capacity-building⁴ implements this activity inter-sessionally, supported by the secretariat and an expert.

B. Scope of the note

4. This note contains the planned approach to capture information on needs, gaps and challenges, and measures to build and enhance endogenous capacities and technologies, including methodology approved by the taskforce (Annex 1) and a draft questionnaire to be distributed to

Outcomes of previous TEC work on this topic can be viewed in https://unfccc.int/ttclear/endogenous/.

https://unfccc.int/ttclear/events/2019_event9.

https://unfccc.int/documents/200725.

⁴ https://unfccc.int/ttclear/tec/members.html#Task.

National Designated Entities (NDE) and Technology Needs Assessment (TNA) Focal Points (Annex 2).

C. Possible action by the Technology Executive Committee

5. The TEC will be invited to consider this note and provide guidance to finalise the questionnaires.

II. Inter-sessional work by the task force

6. The taskforce on Enabling environment and capacity-building agreed to use three-pronged approach to undertake this activity: i) Desk review; ii) Survey/Questionnaires; iii) Solicit inputs from other stakeholders.

A. Desk review

- 7. At the onset, the taskforce agreed that this activity should build on and take into account relevant outcomes and recommendations from the past work on this topic (see paragraph 2 above). This is to ensure continuity of the TEC work and to avoid duplication of efforts. In this regard, an understanding of the concept "endogenous" (both for capacities and technologies) will be used that is based on the findings of the previous TEC survey.
- 8. The taskforce will also review relevant work and activities of other bodies related to the topic. This includes, for example work of the CTCN,⁵ the Paris Committee on Capacity-Building (PCCB),⁶ and others, as appropriate.
- 9. Further, the taskforce recognized a potential synergy with another activity under the same thematic area, namely: "Examine enabling environments, including challenges and opportunities to incentivise the private and public sector in the development and transfer of technologies" (Activity 1 of the thematic area "Enabling environment and capacity-building" of the TEC rolling workplan 2019-2022). Common issues discussed in both activities, such as enabling environments measures, will be examined. To the extent possible, similar terminologies will be used in both activities.

B. Survey

- 10. In 2018, national designated entities (NDEs) and different groups of technology stakeholders participated in TEC survey that solicited their views and understanding of endogenous capacities and technologies.⁷ The participation to this survey was encouraging and proved to be an effective way to obtain various perspectives of these stakeholders.
- 11. Some of the data obtained from the 2018 TEC survey are still relevant. Nevertheless, as the new work has a different focus, additional surveys/questionnaires will be launched in 2020 to solicit views of stakeholders on needs, gaps and challenges, and measures to develop and enhance endogenous capacities and technologies.

C. Other inputs

- 12. Other means to solicit inputs and feedback on the work may also be considered, as appropriate, for example:
 - (a) interviews following up on survey results;
 - (b) seeing feedbacks through events (e.g. in collaboration with PCCB);
 - (c) inviting inputs from other constituted bodies;

⁵ <u>https://www.ctc-n.org/technology-sectors/endogenous-technologies.</u>

⁶ PCCB Technical paper on gaps and needs of capacity-building.

⁷ Complete results of the survey was reported at TEC 17 and can be accessed in <u>here</u>.

- (d) reaching out to networks of observer organisations;
- (e) reaching out to organizations expressing interests to this specific work.

III. Draft questionnaires

- 13. Prior to the development of the draft questionnaires for the survey, the taskforce discussed survey methodology, prepared with the support of secretariat and an expert. This includes: different targeted audience for the surveys, types of questions, survey formats, technology lists, etc. Similar methodology was also employed during the development of TEC survey in 2018. The methodology as agreed by the taskforce for the 2020 survey is contained in Annex 1 to the document.
- 14. Given the range of respondents expected to be engaged in the survey, three different questionnaires are being developed. The focus of each questionnaire and targeted respondents are explained below:
- (a) **Questionnaire 1** will cover issues relating to national management of technologies and related capacity building. <u>Targeted respondents</u> are those with responsibility for national-level policies and programs involving climate technologies, such as National Designated Entities and Technology Needs Assessment Focal Points.
- (b) **Questionnaire 2** will cover more general knowledge about what is required to support endogenous capacities and technologies issues. <u>Targeted respondents</u> are those who have knowledge on technology and capacity-building issues in the context of UNFCCC process, such as members of the TEC, former TEC, CTCN-AB, and PCCB and their observers, as well as to people identified by the nine civil society constituencies as having expertise in climate technologies.
- (c) Questionnaire 3 will focus on work on the grounds and what works in practice. <u>Targeted respondents</u> are those who have first-hand knowledge of gaps, needs, and challenges relating to programs involving endogenous capacities and technologies. They will be asked to focus on the climate technology projects with which they or their organization have been involved. Examples of this group: CTCN Network members, Nairobi Work Programme members, local governments, NGOs, IGOs, and others who have done ground work with climate technologies.
- 15. Based on the task force guidance, the expert developed a draft questionnaire as contained in Annex 2 to this document. Due to time constraints, at this stage only the draft questionnaire for the two key groups, namely NDEs and TNA focal points has been developed. The questionnaire for these two groups represents a more comprehensive sets of questions, as compared to the questionnaires for other target respondents. Following the TEC approval of the first survey, questionnaires can be drafted for the other groups of respondents.
- 16. As previously mentioned, in drafting the questionnaires, previous TEC work and relevant work of other bodies (2018 TEC survey, CTCN work, PCCB work and previous TEC work on enabling environments and barriers) were taken into account, which resulted in the following:
- (a) Categories of "Mitigation", "Adaptation", and "Cross-cutting issues" in the draft questionnaire in Annex 2 are consistent with 2018 TEC survey and at the same time covers categories indicated in the CTCN and PCCB work. The use of consistent categories will also allow the TEC to determine whether gaps and/or capacity needs match up with the areas most often included in the considered in the 2018 survey;
- (b) A few questions from 2018 TEC survey in relation the capacity needs (skills and knowledge, specific measures to enhance capacity) have been included again to determine how they will compare with the 2018 survey;
- (c) Findings from previous survey were used to seek further information, for example, on participatory approach;
- (d) Categories of strategy areas for "Enabling environments" are consistent with CTCN work, PCCB work and previous TEC work on enabling environments and barriers.
- 17. The draft questionnaire also rely more on soliciting views from respondents through qualitative (open) questions, recognizing that issues such as needs, gaps, and challenges and enabling environments may be specific to each country or respondent's experience.

IV. Next steps

- 18. Once the TEC agrees to the draft questionnaire for NDEs and TNA focal points, the next steps will be as follows:
 - (a) Develop the questionnaires for other targeted groups;
 - (b) Prepare accompanying cover letters to the questionnaires;
- (c) Launch the survey in May 2020 for a period of response until June/July 2020, and depending on number of responses received, the survey closing date could be extended;
 - (d) Analyze the results in August 2020;
 - (e) Present initial findings from the survey at TEC 21.

Annex 1

Methodology to capture information on needs, gaps and challenges, and enabling environment measures to develop and enhance endogenous capacities and technologies

(as approved by Taskforce on 9 March 2020)

A. Background and purpose

- 1. The TEC has undertaken two studies of endogenous capacities and technologies. The 2020 surveys will build on the findings from previous work and take into account the other work below.
- 2. The TEC has done work on mapping barriers and enabling environments and is about to expand that analysis. The CTCN commissioned work on endogenous technologies in West Africa. PCCB has undertaken some work on needs, gaps and challenges of capacity building.
- 3. The purpose of the 2020 surveys is to collect feedback from various groups about needs, challenges, gaps, and measures relating to endogenous capacities and technologies.
- 4. Results will be used by the TEC to develop recommendations for enhancing endogenous capacities and technologies.

B. Scope and definition

- 5. Surveys conducted in 2018 asked about the scope and definitions of "endogenous capacities and technologies." Based on this survey, in its 2019 report to the COP, the TEC identified elements that stakeholders often include in their understanding of endogenous capacities and technologies, which are elaborated below.
- 6. "Endogenous technologies" are those that are:
 - (a) Identified and developed within the country or by a team of in-country and external people, or
 - (b) Existing technologies developed elsewhere but modified and adapted within the country or by a team of in-country and external people to meet the country's needs and conditions.
- 7. "Endogenous capacities" include the capacities to:
 - (a) Assess climate-related technology needs from the individual to the national level;
 - (b) Identify appropriate technologies to assist in meeting identified needs
 - (c) Adapt technologies to local needs and conditions.
- 8. "In-country" skills, knowledge, and practices include those contributed by indigenous groups, local communities, researchers, educators, businesses, and others located within the country.

Guidance from Taskforce: Approve the use of these definitions for the survey.

C. Possible respondents

- 9. The surveys may be sent to numerous groups. Some groups will be more difficult to survey than others. Follow up surveys or could be used to clarify or expand findings.
- 10. Possible respondents are identified and may include:

- (a) National Designated Entities (NDEs). This group, which is responsible for climaterelated technologies in their countries, may have more knowledge about the relevant endogenous issues than anyone else.
 - (b) TNA focal points. This group is most familiar with the TNA process.
- (c) Other planners and implementers. These people are involved in projects that involve technologies. NDEs could be asked to invite a few people to respond to the survey, such as their country's National Climate Change Focal Points, government research and technology agencies, ministry affiliates, etc.
- (d) UNFCCC Constituencies. Each of the nine constituencies represents a different sector of civil society or the private sector:
 - (i) Constituency focal points could be asked to identify members knowledgeable about climate-related technologies, or who have worked on climate-related problems.
 - (ii) The survey could be sent to all constituency members who have attended a TEC meeting or otherwise have been involved in TEC activities.
- (e) Intergovernmental Organizations (IGOs). A number of IGOs regularly follow TEC meetings or are otherwise involved in TEC issues. Extending the survey to this group could draw different perspectives given their expertise and close engagement in the climate technology issues.
- (f) Other constituted bodies and Observers. PCCB is one key body who deals with capacity-building issues, therefore having theirs view may be useful. It will also serve to strengthen the collaboration with the TEC. Several countries send observers to meetings who are not members of the TEC. Many of these observers have expertise and are familiar with the relevant issues.
- (g) Current and former TEC members. Those who have served on the TEC can provide important insights about endogenous capacities and technologies.
- (h) Nairobi Work Programme (NWP). NWP partner organizations are public and private entities from all over the world, with diverse expertise and sectoral specialties, that support the NWP in producing and disseminating information and knowledge on adaptation to climate change. NWP partner organizations include NGOs and other civil society organizations, universities/education/training organizations and research centers, and private sector companies. Many of these organizations are engaged in capacity building and may have expertise in endogenous technologies and could contribute to the survey.
- (i) CTCN Network Members. Network members respond to climate technology requests from developing country Parties. In addition, network members participate in CTCN events, exchange information, and provide experts for webinars, e-learning courses and other types of trainings offered by the CTCN. CTCN can identify members who have responded to requests for assistance from developing countries.
- (j) Local and municipal governments. This is where much of the climate-related work takes place in countries. ICLEI could identify people who have been leading those efforts, who can provide information about stakeholder.
- (k) Private sector. Many technologies are funded or provided by the private sector. As providers, rather than consumers or users, they provide a different perspective. Tracking down companies and people involved in projects may be difficult. Survey respondents could be asked to identify such people, and they could be surveyed or interviewed later in the summer. The CTCN network includes a number of members from the private sector.
- (l) Practitioners. Some of these will be captured through the constituencies and through the CTCN network members.
- (m) Endogenous researchers, educators, and consultants. These are some of the people who can both supply and benefit from capacity building. Deciding who to survey will be challenging.
- 11. Given limitations of the time and capacity to handle large number of respondents to the surveys, and also considering the different focus of the work this year, the following groups are proposed as the target groups for the 2020 surveys:

- (a) NDEs
- (b) TNA focal points
- (c) Additional respondents knowledgeable about technology invited by NDEs
- (d) CTCN Network members who have responded to requests for assistance
- (e) PCCB, TEC observers from constituencies, IGOs, and observer countries
- (f) Local and municipal governments
- (g) Current and former TEC, CTCN, and PCCB members
- (h) Nairobi Work Partner (NWP) organizations
- 12. Other groups, such as researchers, educators, practitioners, and the private sector, could be included in limited numbers as nominated by the UNFCCC civil society constituencies

Guidance from Taskforce: Approve the proposed list of respondents in paragraph 11 & 12 above

D. Survey formats

- 13. Several versions of the survey will be needed to correspond to responsibilities and areas of expertise of different types of groups.
- (a) NDEs, TNA focal points, and their colleagues have the most detailed information about technology-related activities, uses of technologies, capacities, and needs for a particular country. The survey sent to them needs to be fairly detailed.
- (b) Observers and other groups have more generalized knowledge about endogenous technologies and capacities. The survey presented to this group should be more general.

<u>Guidance from Taskforce</u>: Approve the format of questionnaires customized to the backgrounds and expertise of different groups of respondents as mentioned in para 13 above

E. Possible types of questions

- 14. Qualitative vs. Quantitative Questions. Both can be useful, and the survey can include both types of questions. Here are reminders of some of the pros and cons of each type.
 - (a) Quantitative Questions
 - (i) Pros: The questions allow aggregation across countries, and analysis for different types of countries and/or respondents. Basic frequencies and bar graphs will be available as soon as the survey is closed, expediting analysis and reporting.
 - (ii) Cons: Not everything can be measured quantitatively. The questions define the limits of the information to be collected. This makes it difficult for respondents to provide responses that do not comply with the researchers' thinking. Details about programs and ideas can be lost.
 - (b) Qualitative Questions
 - (i) Pros: Open-ended, qualitative questions allow respondents to provide deeper responses to questions, and to think beyond the way the researchers posed the questions.
 - (ii) Cons: Analysis is much more difficult, time consuming, and less precise. Categorizing questions requires a considerable amount of time. Responses may be too diverse to allow for meaningful conclusions.
- (c) Hybrid Questions. Rating scales and other more closed-ended questions can include an "Other, please describe" option so that respondents can provide responses that go beyond those anticipated by the researchers. Separate questions can ask for examples of best practices.

- 15. The 2018 surveys included a mixture of quantitative, qualitative, and hybrid questions. The 2020 surveys will employ similar formats.
- 16. Proposed areas for questions
 - (a) Respondent background and responsibilities
 - (b) Experience with endogenous technologies and capacities
 - (c) Skills and knowledge required to enhance endogenous capacities and technologies
 - (d) Ongoing capacity building needs, including priorities
 - (e) Gaps in information and resources
 - (f) Modalities for improving skills and knowledge for different groups
 - (g) Ways to enhance collaboration and partnerships
- (h) Institutional arrangements, policies, and programmes that enable or challenge endogenous capacities and technologies

<u>Guidance from Taskforce</u>: Approve the use of mostly closed-ended questions that will provide more quantitative data but also provide options to add "Other" responses. Use open-ended questions only when needed to collect information that cannot be easily obtained through closed-ended questions. Suggest additional areas for questions.

F. Technology lists

- 17. Technologies and related issues can be presented in several ways in the surveys. The 2018 surveys asked questions about:
- (a) Inclusion of various types of mitigation and adaptation technologies in TNAs, TAPs, TRMs, and NDCs.
- (b) Training and resource needs in areas such as choosing, installing, and maintaining technologies.

The draft paper on mapping barriers and enabling environments used more general categories, such as Economic and Financial, Legal and Regulatory, and Human Skills. For 2020 surveys, the lists to use may differ by the types of question and the group surveys.

<u>Guidance from Taskforce</u>: Approve of using the list that seems most appropriate for different type of questions. The lists can be changed after reviewing the draft questionnaires.

G. Draft questionnaires

- 18. A cover letter will be sent to respondents by email. The message will explain the purpose of the survey and provide a link to the survey itself, which will be constructed using Survey Monkey software.
- 19. Draft cover questionnaires will be included as a TEC20 meeting document.

Annex 2

Draft Questionnaires for National Designated Entities and Technology Needs Assessment focal points

TEC 2020 NDE and TNAFP Survey

Definitions. Surveys conducted in 2018 asked about the scope and components of "endogenous capacities and technologies." In its 2019 report to the COP, the TEC identified elements that stakeholders often include in their understanding of endogenous capacities and technologies. Based on those findings, this survey asks you to use the following definitions as you respond to the questions in this survey.

- · "Endogenous technologies" are those that are:
 - Identified and developed within the country or by a team of in-country and external people,
 or
 - Developed elsewhere but have been modified and adapted within the country or by a team
 of in-country and external people to meet the country's needs and conditions.
- . "Endogenous capacities" include the capacities to:
 - · Assess climate-related technology needs from the individual to the national level,
 - · Identify appropriate technologies to assist in meeting identified needs, and
 - · Adapt technologies to local needs and conditions.

"In-country" skills, knowledge, and practices include those contributed by local communities, indigenous groups, researchers, educators, businesses, and others located within the country.

Respondent and Country Characteristics	
Which country are you from?	
2. In which region is your country located?	
African States	
Asian States	
Eastern European States	
Latin American and the Caribbean States	
Western Europe and Other States	

3. W	ho is your primary employer? Please check only one option.
\bigcirc 1	National government
0 :	Sub-national government (such as a state, provincial, or local government or planning authority)
\bigcirc !	ntergovernmental organization
0	Academia
	Business or industry
	Non-governmental organization
\bigcirc	Consulting firm
0	Other (please specify)
	you work for more than one entity, please check any other types of organizations for whom you currently
work	 National government
_	Sub-national government
	ntergovernmental organization
\sim	Business or industry
	Non-governmental organization
	Consulting firm
	Other (please specify)
0	Sinci (picase specify)
5. In	which of the following roles do you serve? Please check all roles involving climate technologies in which
	currently serve.
	National Designated Entity
	Technology Needs Assessment Focal Point
	JNFCCC Focal Point
	Global Environment Facility Focal Point
	National Designated Authority
	Other government position related to the UNFCCC (please specify)

6. If you currently serve Less than 1 year	e as a Natior	nal Designated Entit	y, how many year	rs have you served	in that position?	
Less than 1 year	6. If you currently serve as a National Designated Entity, how many years have you served in that position?					
1 year						
2 years						
3 years						
4 years						
5 or more years						
I do not currently serve	as a National I	Designated Entity				
7. If you currently serve	e as a Techn	ology Needs Asses	sment Focal Poin	t, how many years	have you served in	
that role?						
Less than 1 year						
1 year						
2 years						
3 years						
4 years						
5 or more years						
I do not currently serve	as a Technolog	gy Needs Assessment F	ocal Point			
	Neer	ds, Gaps, an	d Challeng	100		
	NOCE	13, Oup3, un	a Onancing	103		
Using the definitions of please rate the strength of Leave blank any area in w	f your countr	y's current capacitie				
	Very weak	Somewhat weak	Neither weak nor	Compulset attends	Voncations	
Mitigation: Carbon	very weak	Somewhat weak	strong	Somewhat strong	Very strong	
fixation and abatement	_					
(such as oil and gas flaring reduction or CO2	0	0	0	0	0	
capture and storage)						
Mitigation: Transport (such as modal shift or	\circ	0	0	\circ	\circ	
electric vehicles) Mitigation: Energy						
Efficiency (such as						
efficient lighting or energy management systems)	O	O	O	O	0	

	Very weak	Somewhat weak	Neither weak nor strong	Somewhat strong	Very strong	
Mitigation: Renewable energy (such as solar PV or renewable energy resource mapping)	0	0	0	0	0	
Mitigation: Waste management (such as landfill aeration or recycling)	0	0	0	0	0	
Mitigation (such as afforestation or carbon stock measurement)	0	0	0	0	0	
Mitigation: Agriculture (such as N2O/CH4 reduction or minimizing food waste)	0	0	0	0	0	
Mitigation: Industry (such as fuel switch or power plant rehabilitation)	0	0	0	0	0	
Adaptation: Early warning and environmental assessment (such as early warning systems or hazard mapping)	0	0	0	0	0	
Adaptation: Agriculture and forestry (such as terrestrial ecosystems management or agroforestry)	0	0	0	0	0	
Adaptation: Water (such as rainwater harvesting or seawater desalination)	0	0	0	0	0	
Adaptation: Human health (such as heat wave plans or insecticidal bed nets)	0	0	0	0	0	
Adaptation: Infrastructure and urban planning (such as sewerage infrastructure or building codes)	0	0	0	0	0	
Adaptation: Coastal zones (such as storm surge barriers or coastal monitoring)	0	0	0	0	0	

	Very weak	Somewhat weak	Neither weak nor strong	Somewhat strong	Very strong
Adaptation: Marine and isheries (such as isheries management or artificial reefs)	0	0	0	0	0
Cross-cutting: Governance and planning (such as assignments of responsibility and poversight)	0	0	0	0	0
Cross-cutting: Financial management (such as accessing funding and managing budgets)	0	0	0	0	0
Cross-cutting: Monitoring and reporting such as standardized data collection and analysis and establishing indicators of progress)	0	0	0	0	0
Cross-cutting: Communication (such as using social media and customizing messages or different groups)	0	0	0	0	0
Cross-cutting: Legal and egulatory (such as evising regulatory structures and protecting ntellectual property)	0	0	0	0	0
Cross-cutting: Engaging affected stakeholders (such as involving local communities, indigenous peoples, and the most vulnerable in project planning)	0	0	0	0	0
Cross-cutting: Gender responsiveness (such as eporting differential mpacts of technologies on women and men)	0	0	0	0	0

echnologies or to adapt e ast question or describe :				acities to develop new use the list from the
area 1.				
rea 2.				
rea 3.				
.0. What skills and knowl endogenous capacities a				
illuogeillous capacities ai	Very helpful	Somewhat helpful	Not very helpful	Not at all helpful
Assessing local	very neipiur	Somewhat neipiul	Not very helpful	Not at all neipiul
community needs for climate technologies	0	0	0	0
Selecting appropriate technologies	0	0	0	0
Importing technologies	0	0	0	0
Installing technologies	0	0	0	0
Maintaining technologies	0	0	0	0
Adapting technologies to local needs and conditions	0	0	0	0
Operating technologies safely and efficiently	0	0	0	0
Recycling technologies at end of use	0	0	0	0
Improving supply chains	0	0	0	0
Making development more sustainable	0	0	0	0
Drafting legal and regulatory approaches to technologies	0	0	0	0
Dealing with intellectual property issues	0	0	0	0
Evaluating the social, economic, and environmental impacts of technologies	0	0	0	0
Managing interdisciplinary teams	0	0	0	0
Working with external industries and consultants	0	0	0	0

	Very helpful	Somewhat helpful	Not very helpful	Not at all helpful
Managing finances relating to technologies	0	0	0	0
Encouraging development and adaptation of technologies to meet local needs	0	0	0	0
Avoiding unintended consequences	0	0	0	0
Estimating useful lives of technologies	0	0	0	0
Engaging various stakeholders	0	0	0	0
Utilizing local and indigenous knowledge	0	0	0	0
Empowering social capital	0	0	0	0
Assessing gender impacts of technologies	0	0	0	0
Boosting national and community ownership	0	0	0	0
O. Diana list un ta thur				
r modification of existin		are likely to hinder your o		t of new technologies
r modification of existin				t of new technologies
r modification of existin				t of new technologies
cr modification of existin				t of new technologies

	Not at all involved	Slightly involved	Somewhat involved	Heavily involved	Not sure
ational government	0		0		0
ocal and municipal overnments	0	0	0	0	0
ntergovernmental rganizations	0	0	0	0	0
ivil society	0	0	0	0	0
digenous peoples	0	0	0	0	0
/omen	0	0	0	0	0
usiness and industry	0		0	0	0
inancial institutions	0	0	0	0	0
eople most vulnerable climate impacts	0	0	0	0	0
niversities and other esearch institutions	0	0	0	0	0
	Enhanci	ng Enablir	ng Environn	nents	
d technologies. Otl ich strategies in tha	rvey, a number of s ner factors also are at area can help to	strategies were i	dentified that could each of the followi	enhance endo ng, please indic	ate the degree to
. In the last TEC su d technologies. Otl ich strategies in tha chnologies in your c	rvey, a number of s ner factors also are at area can help to	strategies were i e important. For create enabling	dentified that could each of the followi environments for e	enhance endo ng, please indic	ate the degree to
d technologies. Otl ich strategies in tha	rvey, a number of a ner factors also are at area can help to ountry.	strategies were i e important. For create enabling	dentified that could each of the followi environments for e	enhance endo ng, please indic nhancing clima	cate the degree to te capacities and

-	Does not enable	Enables slightly	Enables moderately	Enables significantly
Economic issues: (such as market conditions or the high cost of capital)	0	0	0	0
Finance: (such as access to funding for capacity building, planning, and technologies)	0	0	0	0
Legal and regulatory structures: Domestic (such as property rights, liability, and environmental laws)	0	0	0	0
Legal and regulatory structures: International (such as trade agreements and intellectual property rules)	0	0	0	0
Institutional and organizational issues (such as policies, programmes, and organizational structures)	0	0	0	0
Information: Research (such as access to relevant data and up to date information)	0	0	0	0
Information: Contextual (such as the social, cultural, economic, and other characteristics of communities)	0	0	0	0
Human resources: Technical (such as installing, running, and maintaining technologies)	0	0	0	0
Human resources: Management (such as supervising workers, interacting with different sectors, and overseeing project implementation)	0	0	0	0

	Does not enable	Enables slightly	Enables moderately	Enables significantly
Human resources: Analytical (such as collecting, organizing, and summarizing qualitative and quantitative information)	0	0	0	0
Governance: Decision- making (such as assignment of responsibilities, lines of authority)	0	0	0	0
Governance: Financial (such as where funds are deposited, procedures for budgeting and spending)	0	0	0	0
Education: Domestic (such as school programs or training targeted to specific skills, groups, or levels)	0	0	0	0
Education: International (such as student exchanges, attending school or workshops outside the country)	0	0	0	0
Communication: (such as raising awareness about climate-related problems and sharing best practices)	0	0	0	0
Other (please specify)				

	Very important	Somewhat important	Not very important	Not at all important
ccess to additional inding	0	0	0	0
raining in the research, evelopment, and novation process	0	0	0	0
ducational programs in ngineering, social sience, and other fields	0	0	0	0
ollaborative projects ith academic esearchers in other ountries	0	0	0	0
ollaborative projects ith industries in other puntries	0	0	0	0
ublic/private artnerships	0	0	0	0
articipation on ternational ollaborative teams	0	0	0	0
ccess to peer-reviewed erature	0	0	0	0
ccess to existing atabases	0	0	0	0
xchange programs for udents and faculty	0	0	0	0
ellowships for student nd faculty	0	0	0	0
ravel to international onferences for esearchers	0	0	0	0
er (please specify)			_	
		t significantly contribute r country. You may use		
abler 1:				
abler 2:				

Other
17. Please use this space for anything else you can tell us that would help to enhance endogenous capacities and technologies in your country.
18. Please describe any successful projects or programs that your country has developed that enhance climate technology capacities or technologies.
Many thanks for taking the time to complete this survey. The preliminary findings will be presented to the TEC at its next meeting.