

Agenda item 3.c.i

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

TEC/2020/20/8

Technology Executive Committee, 20th meeting

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Background

- Task for 2020 (Actv. 2 Enabling environment & capacity-building):
 - ✓ *To analyse measures that facilitate countries in enhancing enabling environments to promote endogenous capacities and technologies*
- Use three-pronged approach:
 - ✓ Desk review: previous TEC work on Endogenous, CTCN work, PCCB work on needs and gaps on capacity-building, TEC work on mapping enablers and barriers
 - ✓ Survey: not the first time, in 2018 TEC did survey to solicit stakeholders' understanding on “endogenous” concept
 - ✓ Other inputs: interviews, const'd bodies inputs, feedbacks, etc

Process & timelines

- January 2020: Kick off the work
 - February: Review existing work from TEC, CTCN, and PCCB
 - February/March: Discuss methodology/approach for survey
 - March: Draft questionnaire for NDEs and TNA focal points
 - **April: Present approach and draft questionnaire at TEC 20**
 - April: Finalize Survey 1, create additional questionnaires for Surveys 2 and 3, identify additional respondents, and draft cover letters
 - May-June: Distribute surveys
 - July-August: Analyze results
 - September: Present initial findings at TEC 21
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Questionnaires and target groups

Given the range of respondents expected to be engaged in the survey, three different questionnaires are being developed:

- **Questionnaire 1:** NDEs and TNA focal points– most knowledgeable about national efforts on climate technologies
- **Questionnaire 2:** TEC, CTCN, and PCCB members and observers– strong understanding of endogenous capacities and technologies in general
- **Questionnaire 3:** Practitioners who have worked on projects on the ground

Given time constraints, Questionnaire 1 is prepared for now – represents a more comprehensive sets of questions



Questionnaire 1 - sections

- Background information
- Gaps and needs: Capacities
- Gaps and needs: Skills and knowledge
- Challenges
- Participation
- Strategies to enhance enabling environments
- Measures to develop new or modify existing technologies

Background information

- Purpose: Introduce to respondents the objective of the survey
- Introduce concept/definition of “endogenous capacities” and “endogenous technologies” as per TEC work in 2018-2019
- Obtain information about respondents and their countries

Gaps and needs: Capacities

- Purpose: to collect perceptions about strengths and weaknesses in general climate technology capacities
- Scale: “Very weak” to “Very strong”
- Capacities in areas of:
 - ✓ Mitigation
 - ✓ Adaptation
 - ✓ Cross-cutting
- Technology areas based on those of TEC 2018 survey and cover categories from CTCN and PCCB work

Gaps and needs: Skills and Knowledge

- Purpose: To collect perceptions about skills and knowledge that could help countries to develop endogenous capacities and technologies
- Scale: “Very helpful” to “Not at all helpful”
- Focus on specific areas of skills and knowledge

Challenges

- Purpose: To identify specific areas that countries find challenging to its efforts to develop or modify climate technologies
- Open-ended question asking respondent to list up to three challenges

Participation

- Purpose: To determine levels of participation of different stakeholder groups in projects involving climate technologies
- Scale: “Not at all involved” to “Heavily involved”
- List of groups of people and types of institutions is similar to those asked in TEC 2018 survey

Strategies to enhance enabling environments

- Purpose: Identify strategies that are perceived to contribute to environments that can enhance endogenous capacities and technologies
- Scale: “Does not enable” to “Enables significantly”
- Enabling factors including those identified in previous TEC, CTCN, and PCCB work

Measures to develop new or modify existing technologies

- Purpose: To determine perceived importance of various measures to develop new or modify existing technologies
- Scale: “Very important” to “Not at all important”
- Includes measures listed on TEC 2018 survey

TEC consideration

- TEC is invited to provide guidance to finalise the draft questionnaire:
 - ✓ Are the right areas covered in each section?
 - ✓ Are the scales proposed useful?
 - ✓ Is there anything missing?

Thank you!



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