

Agenda item 5.f.ii

Development and enhancement of endogenous capacities and technologies

Technology Executive Committee, 16th meeting
Bonn, Germany, 13 – 16 March 2018



Adelle Thomas / Ariesta Ningrum
TEC member / UNFCCC Secretariat

Outline

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Part I – Process & interim report



1. Brief background on TEC work on Endogenous issues

COP21 mandate

- Dec 1/CP.21 paragraph 66 (b): TEC and CTCN to undertake further work on development and enhancement of endogenous capacities and technologies



Preliminary study for TEC 14 (March 2017)

- Looks at **definitions of term “endogenous”** and relevance to development of climate technology and capacities
- Examines a **number of case studies** to see how the concept is applied

Taskforce inter-sessional work between TEC 14 & TEC 15

- Concluded that there seems to be **lack of common understanding** on what constitutes endogenous capacities and technologies
- **No common ways** to assess how endogenous capacity and technology would be developed/enhanced, and **no clear guidance** of how to present and assess this information



1. Brief background on TEC work on Endogenous issues

TEC 15 (Sept 2017) requested taskforce to:

1) Identify:

- What the elements and features of endogenous capacities and technologies are
- How to develop or enhance them

2) Reach out to other bodies and stakeholders to seek inputs:

- CTCN, PCCB, AC, LEG, GEF and GCF for inputs
- NDEs through survey/questionnaires
- Broader stakeholder organizations

Expected outcome:

- Develop a report containing recommendations for countries, other constituted bodies, FM, and other relevant stakeholders



2. Inputs from other bodies

Inputs from AC, LEG, PCCB were sought on:

- Past and on-going work relevant to development of endogenous capacities and technologies;
- Future work which may provide additional information to the TEC

Inputs from GEF and GCF were sought on:

- Policies/strategies which address enhancement and development of endogenous capacities and technologies, directly or indirectly;
- Criteria and indicators, if any, used for operationalizing such policies/strategies;
- Examples of projects/programmes which may enhance or develop endogenous capacities and technologies;
- Challenges and lessons learned from such projects/programmes, if any



2. Inputs from other bodies

CTCN

- One of CTCN consortium (ENDA) is collecting information on endogenous technologies from projects on the grounds in countries in western Africa
 - This work is being finalised
 - The TEC and CTCN collaborate to have the finding of the CTCN work be taken into account in TEC's work
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- As of TEC documents publication (two weeks prior to TEC meeting), inputs have been received from: AC, PCCB, and GEF
 - It is expected that in next few weeks other inputs from GCF, LEG and CTCN will be forthcoming



3. Next steps & timeline

- Other inputs from GCF, LEG and CTCN - March 2018
- Launch survey to stakeholders - March 2018
- Analyse all inputs from other bodies – April 2018
- Solicit further feedback, e.g at meetings TEC attend at SB 48 – May 2018
- Analyze survey results – May/June 2018
- Develop recommendations – July/Aug 2018
- Consideration by TEC 17 – Sept 2018
- Finalisation and design for publication – Oct/Nov 2018
- Launch at COP24 – Dec 2018



4. Structure of report

- I. Introduction (Background, Scope, Approach)
- II. Work undertaken by the TEC on development and enhancement of endogenous capacities and technologies (preliminary studies, case studies reviewed, etc)
- III. Relevant work by other bodies (analysis of inputs from CTCN and other bodies)
- IV. Findings from stakeholder surveys
- V. Analysis
- VI. Conclusions and recommendation



Part II – Survey methodology



1. Purpose & Scope

Purpose of the survey:

- to collect perceptions of elements and features that could enhance the understanding of endogenous capacities and technologies, and how to develop and enhance them

Scope

Based on TEC15:

Endogenous technologies can be explained as:

- (a) New technologies developed inside (or based on initiative of) the country through research, development and demonstration;
- (b) Technologies acquired through understanding, adapting, utilizing and replicating of already-existing technologies;

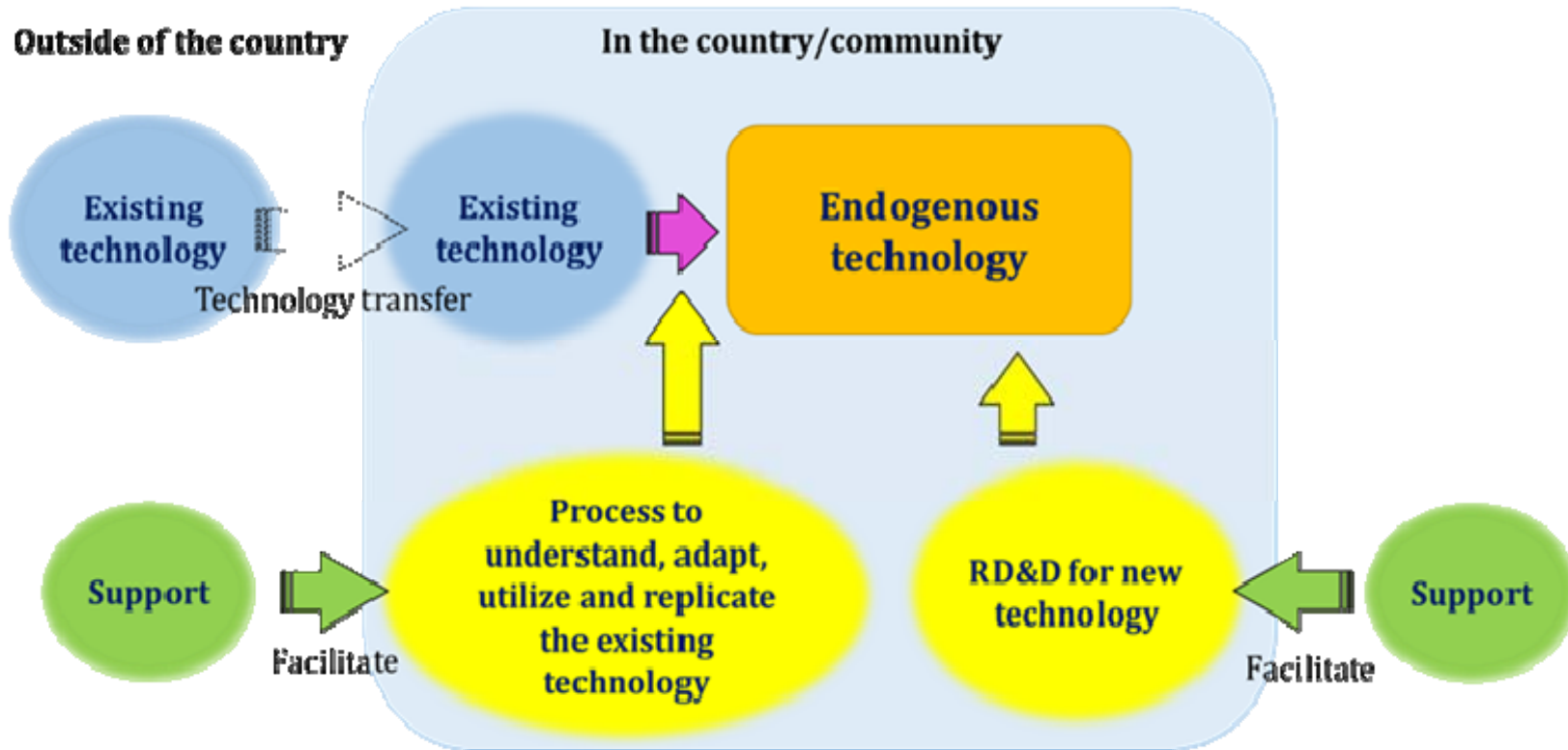
Endogenous capacities can be explained as:

A set of human and institutional capabilities necessary to acquire, adapt, utilize, replicate, evaluate, and/or develop endogenous technologies explained above



1. Purpose & Scope

Endogenous technologies and capacities



Guidance requested to use the scope above for the survey

2. Target groups & Survey format

Possible respondents identified:

- 1) NDEs of developing and developed countries
- 2) Observers from constituencies, IGOs, and other groups attending meetings of the TEC
- 3) Former TEC members
- 4) Nairobi Work programme
- 5) CTCN network members
- 6) Additional people knowledgeable about technologies, as identified by NDEs, such as colleagues who are working on INDCs, NAPs, NAMAs, TAPs, etc

Guidance requested:

- How extensive should the survey be?
- Groups 1-3 are proposed as the initial target groups, groups 4-6 as the second target groups, which we can reach later when deemed necessary



3. Type of questions

- i. Quantitative questions
 - Allows aggregation and analysis of different type of data, but limits the information to be collected
- ii. Qualitative questions
 - Allows for broader/deeper responses, but data more difficult to analyse and less precise
- iii. Hybrid questions
 - Rating scales and uses of “Others” for close-ended questions

Guidance requested:

- **Use 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**



4. Technology list

i. CTCN taxonomy

Mitigation:

- Carbon fixation and abatement
- Transport
- Energy efficiency
- Renewable energy
- Waste management
- Forestry
- Agriculture
- Industry

Adaptation:

- Early warning and environmental assessment
- Agriculture and forestry
- Water
- Human Health
- Infrastructure and urban planning
- Coastal zones
- Marine and fisheries

ii. List of common technologies

E.g.: solar, wind energy, hydropower, biofuels, methane capture, waste management, public transport, drought management, early warning system, agriculture technologies

Guidance requested:

- Which type of technology list to be used?



5. Draft questionnaires

- Survey will be constructed using Survey Monkey software
- Cover letter will be included to explain the purpose of survey
- Draft questions in the questionnaire are attached in Annex III of the Interim report

Guidance requested:

- **Feedback on the questions and cover letter**
- **Is there anything major that is missing?**



Thank you!

