

Agenda item 5. f. i

# Development and enhancement of endogenous capacities and technologies

## Task force on emerging and cross-cutting issues

Technology Executive Committee, 15<sup>th</sup> meeting

Bonn, Germany, 12 – 15 September 2017



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Member of the task force on emerging and cross-cutting issues

## Background

### Mandate from COP 21

- COP 21 requested the TEC and the CTCN, in supporting the implementation of the Paris Agreement, to undertake further work relating to, inter alia: (a) technology RD&D; and (b) **development and enhancement of endogenous capacities and technologies**.

### Mandate from TEC 14

- At TEC 14, the TEC considered the presentation of a preliminary study prepared by the secretariat.
- TEC 14 **requested its task force on emerging and cross-cutting issues to assist the TEC in defining the concept and scope of endogenous capacities and technologies**, with a view to providing general guidance for the further work of the TEC in this area.

## **Overview of the inter-sessional work**

The inter-sessional work was undertaken in parallel in three modules:

**Module 1: Possible concept and key elements of endogenous capacities and technologies**

**Module 2: Review of assessment of endogenous capacities and technologies under various Convention process**

**Module 3: Review of examples which may contain features of endogenous capacities and technologies**

## Module 1: Possible concept and key elements of endogenous capacities and technologies

### What has been undertaken?

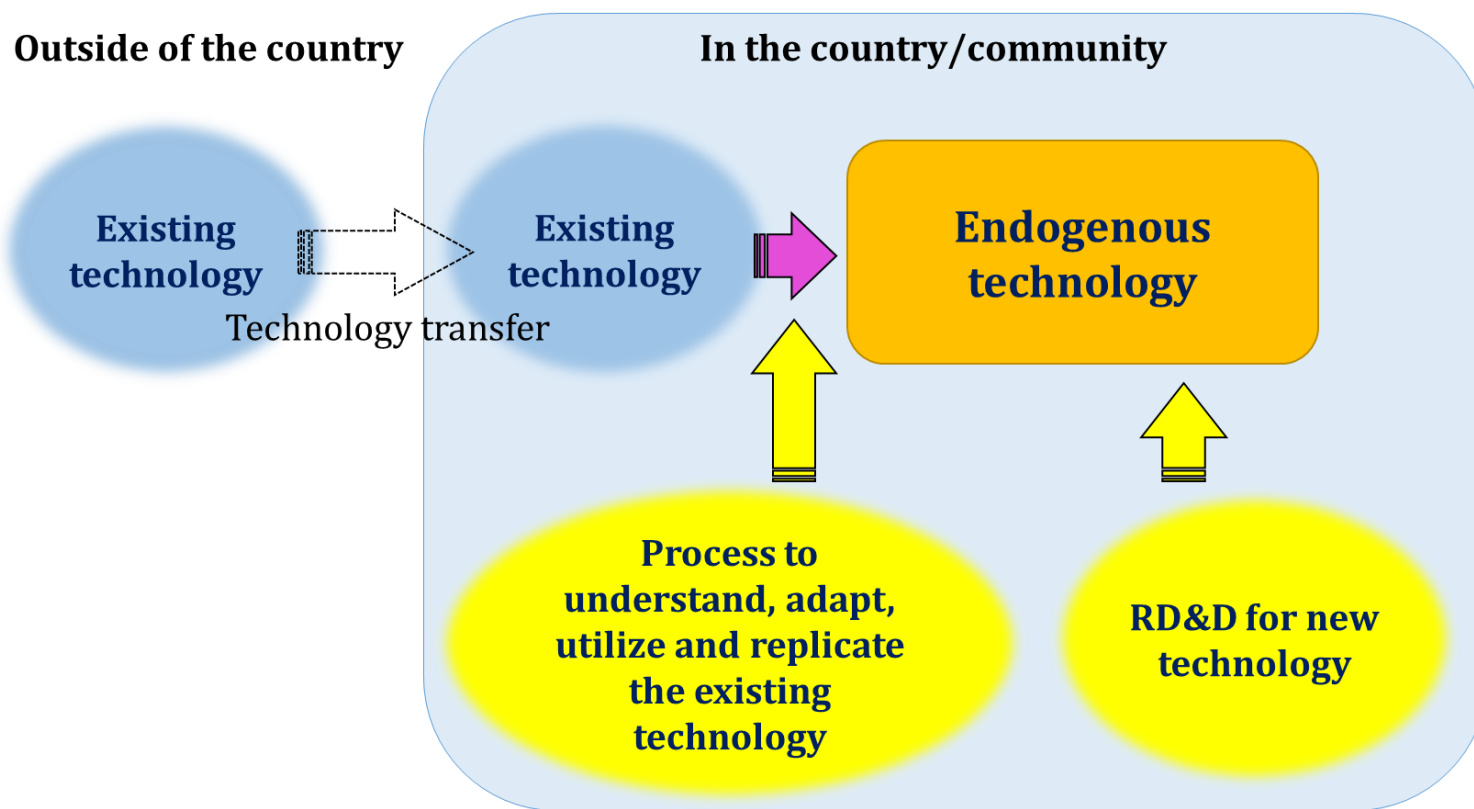
- **Explored the concept** of endogenous capacities and technologies by looking at relevant literatures and reviewing the preliminary study
- Started to identify **possible key elements of endogenous capacity and technology**

### Interim findings

- **Endogenous capacities and technologies can be explained** by using the concept of endogenous capacity in the context of sustainable development (see next slide)

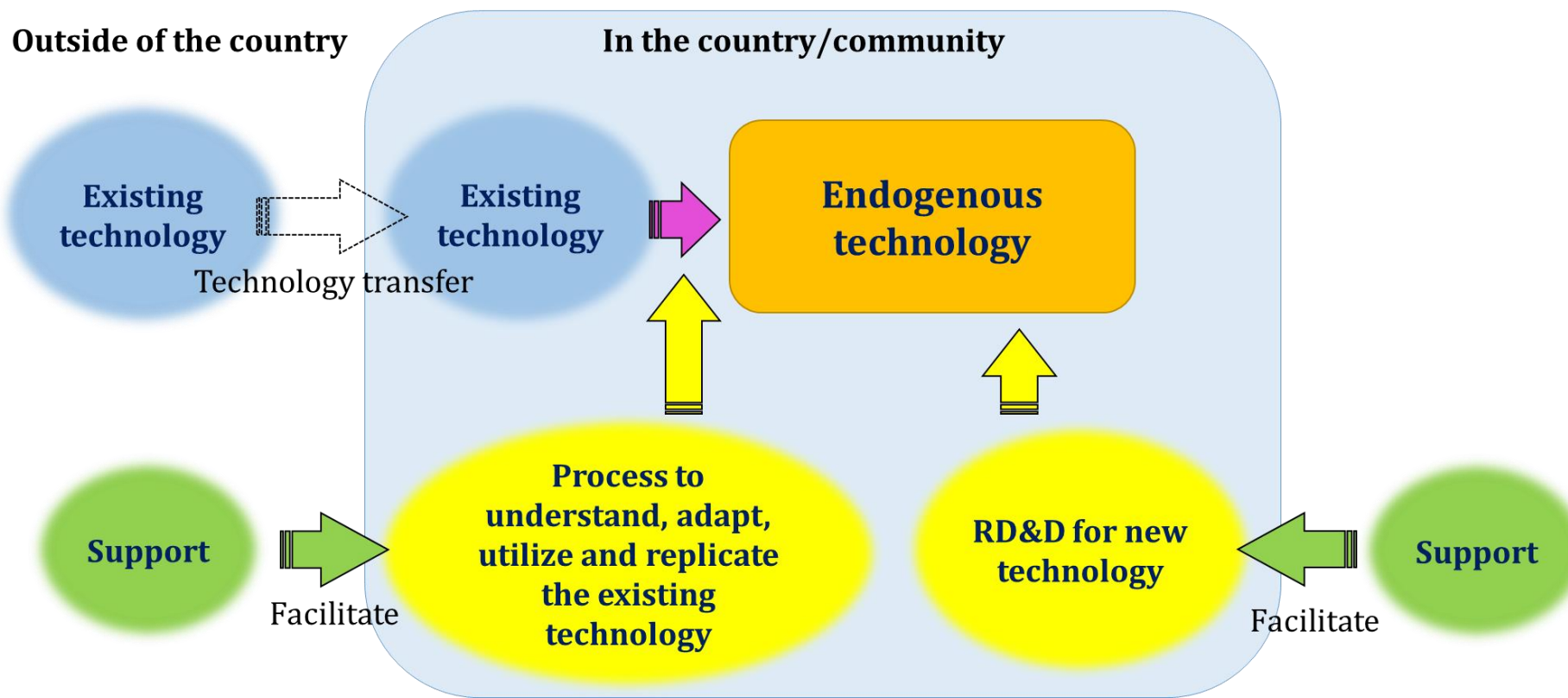
## Module 1: Possible concept and key elements of endogenous capacities and technologies

**Concept** of endogenous capacities and technologies can be explained as below



## Module 1: Possible concept and key elements of endogenous capacities and technologies

Development and enhancement of endogenous capacities and technologies



## Module 2: Review of assessment of endogenous capacities and technologies under various Convention process

### What has been undertaken?

- Examined how endogenous capacity and technology are dealt in the various Convention process including the **CTCN**, **GEF** and **GCF**.
- Reviewed how endogenous issue is reported in **NCs**, **BRs** and **BURs**.

### Interim findings

- **CTCN technical assistance process contains an explicit criteria** related to enhancement of endogenous capacities, while **such criteria appears to be implicit in the GEF funding processes**.
- **GCF is currently considering this issue**.
- Endogenous capacities and technologies also appear as information to be provided in some national reports.
- **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.

## Module 3: Review of examples which may contain features of endogenous capacities and technologies

### What has been undertaken?

- Looked at examples of the **CTCN technical assistance, NDCs and TNAs**
- Examined how the elements/features of endogenous capacity and technology are indicated in these examples

### Interim findings

- Some **CTCN technical assistances show clear features** of endogenous capacity or technology.
- While some kinds of such features can also be found in a few of **NDCs and TNAs, they are vague and not described in detail.**



## Interim conclusions

- ✓ The findings show that the scope and concept of endogenous capacities and technologies could be explained.
- ✓ On the other hand, there seems to be **lack of common understanding** on:
  - a) **What constitutes** endogenous capacities and technologies;
  - b) **How** endogenous capacities and technologies could be developed / enhanced.

## Recommendations on further work on this issue

- 1) Continue further work addressing on the two aspects above **to identify elements/features that could be used to indicate** endogenous capacities and technologies (the “what”) and how they could be developed/enhanced (the “how”);
- 2) Reach out other relevant bodies, such as CTCN, PCCB, AC and LEG, to seek information relevant to endogenous capacities and technologies in their respective area of work.

## Expected outcome

TEC is invited to:

- Consider the oral report from the task force
- Provide guidance on possible further work on this issue

*Thank you!*

Members of TEC taskforce on emerging and cross-cutting issues:

**TEC members**

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Ms. Duduzile Nhlengethwa, Mr. Stig Svenningsen, Ms. Adelle Thomas

**Observer organizations**

BINGO: Mr. John Scowcroft – Global Carbon Capture and Storage Institute  
ENGO: Ms. Elenita Daño – Action Group on Erosion, Technology and Concentration  
RINGO: Ms. Marilyn Averill – University of Colorado at Boulder



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