Framework Convention on
Climate Change

Linkages Between Technology Needs Assessments (TNA) and Nationally Determined Contributions (NDC)

TEC-23

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Background

- TEC 12 established the activity of analysing the interlinkages between the TNA and NDC processes

- At TEC 15, the task force of TNA provided an update on the interlinkages between TNA and NDC processes.

- At TEC 22 the task force presented a draft concept note on an update about the interlinkages between TNAs and NDCs to be finalised at TEC 23.

Observed interlinkages TNA-NDC

- TNA and NDC reports refer to each other
- Most of recent TNAs take a country's NDC as starting point
- TAPs build knowledge in support of implementation
- Nevertheless:
  - Co-ordination of TNA and NDC done by different ministries or bodies
  - Not conducted simultaneously
  - Different focus: top-down vs bottom up

Approaches to TNA and NDC processes

TNA

(since 2001)

Technology Implementation plans (TAPs)

Sector and Technology Identification

Stakeholder Engagement

BOTTOM-UP APPROACH

TOP-DOWN APPROACH

NDC

(since 2015, updated every 5 years)

GHG Mitigation Targets

Sector Identification

Implementation plans

Assessed Countries and Findings

- Developing countries who updated their TNAs after 2017 and submitted their latest NDC afterwards

KEY FINDINGS

1. Sectorial approach in TNAs and NDCs was found to be consistent
2. Technological prioritization was found to have some degree of consistency, most likely because of the consistent sectorial approach
3. Implementation plans were often found to differ largely

Findings from Interviews with TNA Practitioners

1. Even without an explicit plan to create interlinkages between TNAs and NDCs, the **same consultants were often found to be involved in both processes**, creating some degree of natural synergism

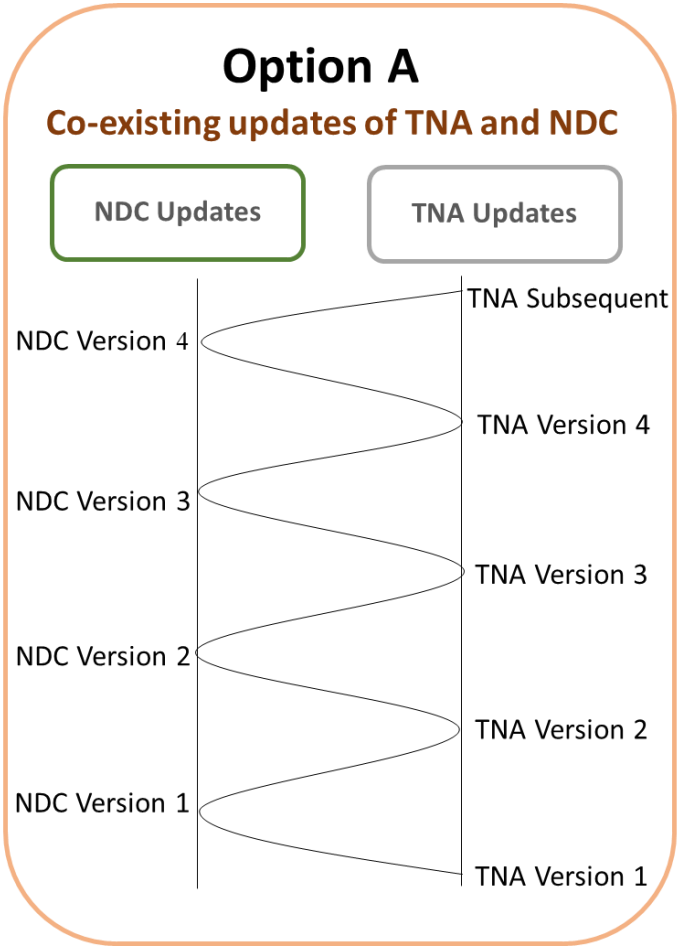
2. **Capacity building** was found to be one of the most relevant outcomes from the TNA process, in particular the **TAPs**. Also, the toolkit resulting from the process was found to be useful

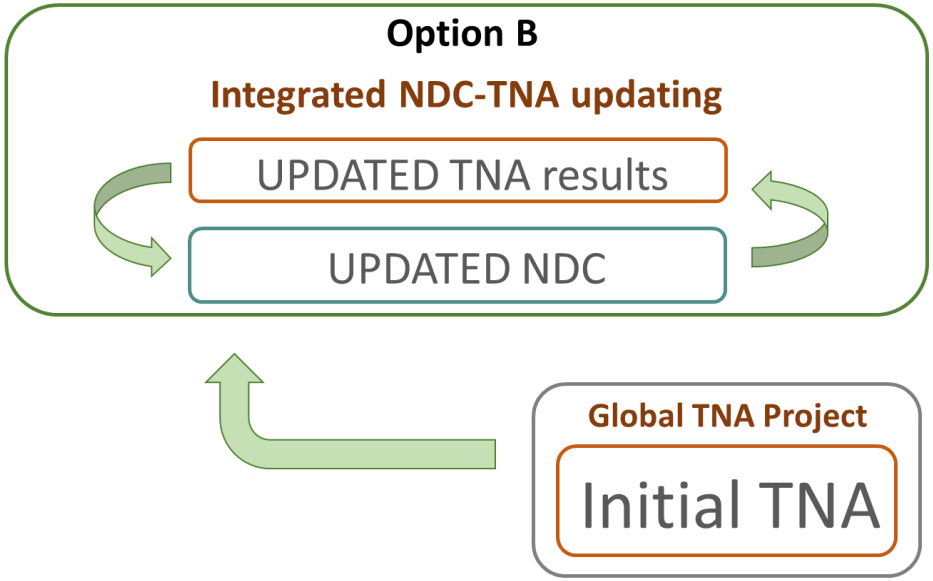
3. Interviewees find **the TNA guidance and coordination helpful** (with a hands-on approach and peer learning)

4. TNAs bring '**bottom up technology realism**' to NDC planning

5. Updating TNA outputs to be part of **holistic country-level planning** for climate actions in NDCs

Way Forward


Option A
Co-existing updates of TNA and NDC
NDC Updates
TNA Updates
NDC Version 4
NDC Version 3
NDC Version 2
NDC Version 1
TNA Subsequent
TNA Version 4
TNA Version 3
TNA Version 2
TNA Version 1


Option B
Integrated NDC-TNA updating
UPDATED TNA results
UPDATED NDC
Global TNA Project
Initial TNA

Key findings

- TNAs and NDCs in practice frequently interlink – non-explicit, informal
- TNA could bring ‘bottom up technology realism’ to NDCs
- TNA methodology could help shape NDCs in LDCs
  - Toolkit
- Two options for updating TNA outputs in support of NDCs
  - Separate TNA updating process
  - Include TNA updates for adding technology perspective to NDC process

Questions and Answers