

## Fourteenth meeting of the Technology Executive Committee

United Nations Campus (AHH building), Bonn, Germany  
28–31 March 2017

### Updated outline of the paper on aligning technology needs assessments with the process to formulate and implement national adaptation plans

#### I. Background

1. The COP-21 in the Decision 3/CP.21 (report of the Adaptation Committee) requested the Technology Executive Committee, in collaboration with the Climate Technology Centre and Network, the Adaptation Committee and the Least Developed Countries Expert Group, to consider how it can help Parties align their technology needs assessments (TNAs) with the process to formulate and implement national adaptation plans.
2. In response to the above COP decision, as per activity 9.1 of its rolling work-plan for 2016–2018, the TEC is to consider, in collaboration with the CTCN, the Adaptation Committee (AC) and the Least Developed Countries Expert Group (LEG), how Parties could be helped to align their TNAs with the process to formulate and implement national adaptation plans (NAPs).

#### II. Scope of the note

3. This note provides an updated outline of the paper on aligning technology needs assessments (TNAs) with the process to formulate and implement national adaptation plans (NAPs). The scope of the paper is discussing technology under the Convention, TNAs and TAPs, technology needs for adaptation, and possible role of TNAs and TAPs in addressing technology needs for adaptation. The paper also looks at opportunities for interconnecting TNAs/TAPs and national adaptation plans, and their institutional arrangements to further align these processes.
4. The paper will introduce necessary background and updates on the TNAs and NAPs, with a focus on technology issues under adaptation and how these can be addressed through the TNAs. Specific options for supporting and helping the countries are viewed in the context of the mandates and work plans of the TEC, CTCN, AC and the LEG.

#### III. Expected action by the Technology Executive Committee

5. The TEC will be invited to consider the draft paper, and agree on follow-up activities.



**Annex**

**Updated outline of the paper on aligning technology needs assessments with the process to formulate and implement national adaptation plans**

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## I. Introduction

1. Decision 3/CP.21, paragraph 5, (report of the Adaptation Committee) requested the Technology Executive Committee, in collaboration with the Climate Technology Centre and Network (CTCN), the Adaptation Committee (AC) and the Least Developed Countries Expert Group (LEG), to consider how it can help Parties align their (work on) technology needs assessments (TNAs) with (that of) the process to formulate and implement national adaptation plans (NAPs).
2. Addressing this request is covered under activity 9.1 of the TEC workplan for 2016–2018, and is in collaboration with the CTCN, the AC and the LEG.

## II. Objectives

3. The objectives of the paper are to:
  - (a) Explore potential linkages and synergy between the work under the preparation and implementation of TNAs with the work under the process to formulate and implement NAPs;
  - (b) Identify options for how the TEC, CTCN, AC and the LEG can help countries address their adaptation technology needs under the NAPs through the TNAs.

## III. Possible actions by the TEC and partners to complete this task

4. The TEC, in collaboration with the CTCN, the AC, and the LEG may wish to agree on, and follow the agreed steps in fully addressing the mandate for this work.

## IV. Background

### A. Technology as a cross cutting issue

5. **This** section would give an overall background to the issue of technology under the Convention, brief history of technology for adaptation, reference to technology under the PA.

### B. Overview of the process to formulate and implement NAPs

6. **This** section would include details that would facilitate identification of entry points in the work under the process to formulate and implement NAPs where the technology issues would be discussed and needs identified and addressed through the work under the TNAs (and TAPs) by covering the following:
  - (a) Brief overview of what NAPs are – goals/objectives;
  - (b) Building blocks in the process of formulating the NAPs;
  - (c) Procedures for implementing adaptation actions identified in the NAPs (in the form of policies, programmes and projects);
  - (d) Latest trends, guidance, activities under the NAPs;
  - (e) Insert in Box: Status of the progress on NAPs showing main steps being undertaken by the countries given the process is flexible and so will be different/customized to national circumstances.

**Figure 1: Elements and guiding principles of the process to formulate and implement NAPs (source: AC 20XX, based on technical guidelines for the NAP Process, LEG 2012)**

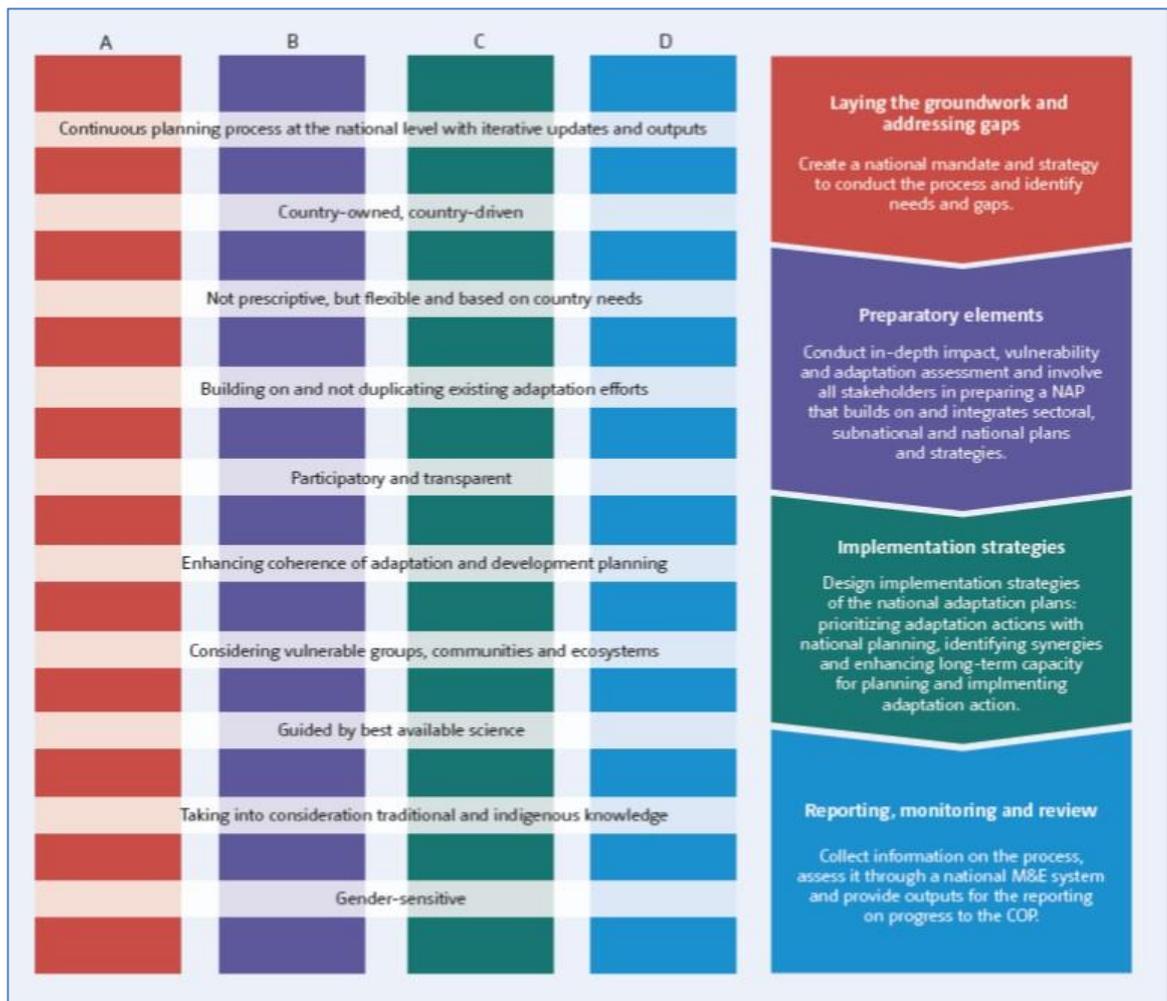
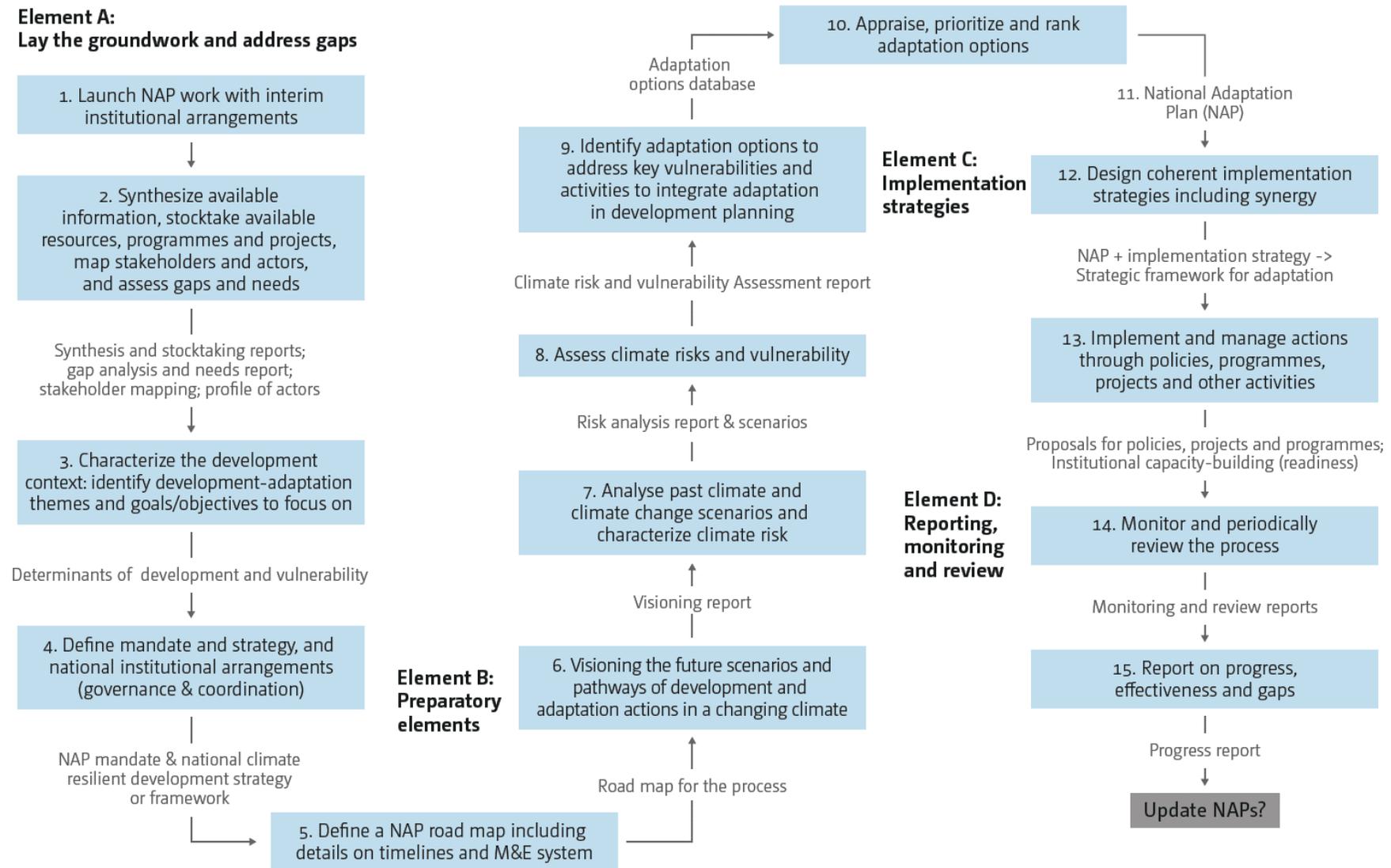


Figure 2. Sample flow of the process to formulate and implement NAPs (source: LEG 2017)



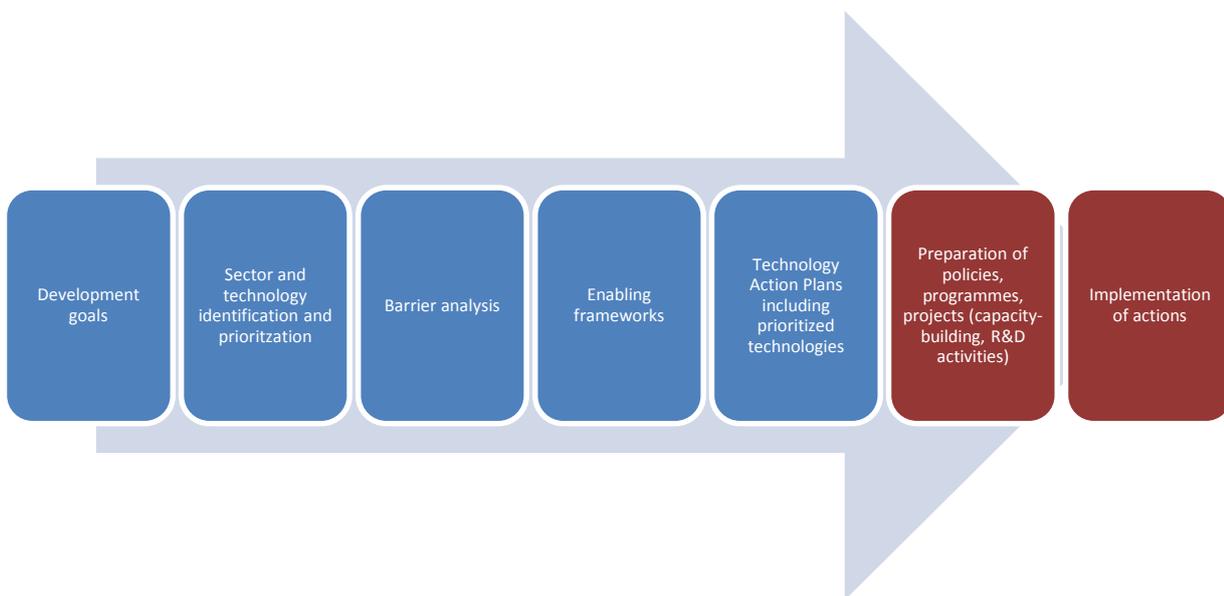
### C. Overview of the TNAs

7. This section would include details that would facilitate identification of hooks in the work on TNAs with various components of the work to formulate and implement NAPs (entry points/interfaces) by covering the following:

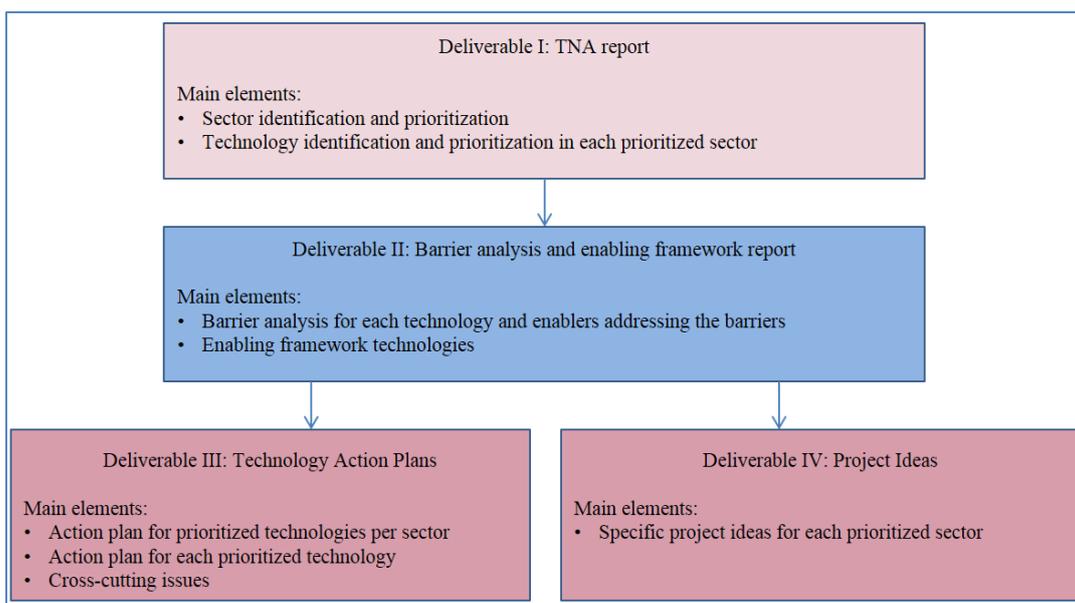
- (a) Brief overview of what TNAs are – goals/objectives;
- (b) Steps to prepare and TNAs;
- (c) Steps to implement technology through TAPs;
- (d) Latest trends, guidance, activities under the TNAs;
- (e) Insert in Box: Status of the TNAs and what is available, summary of past syntheses of the TNAs emphasizing issues of adaptation technologies.

Key diagrams to include:

**Figure 3. Steps of the TNA process**



**Figure 4. Main deliverables of the TNA process**



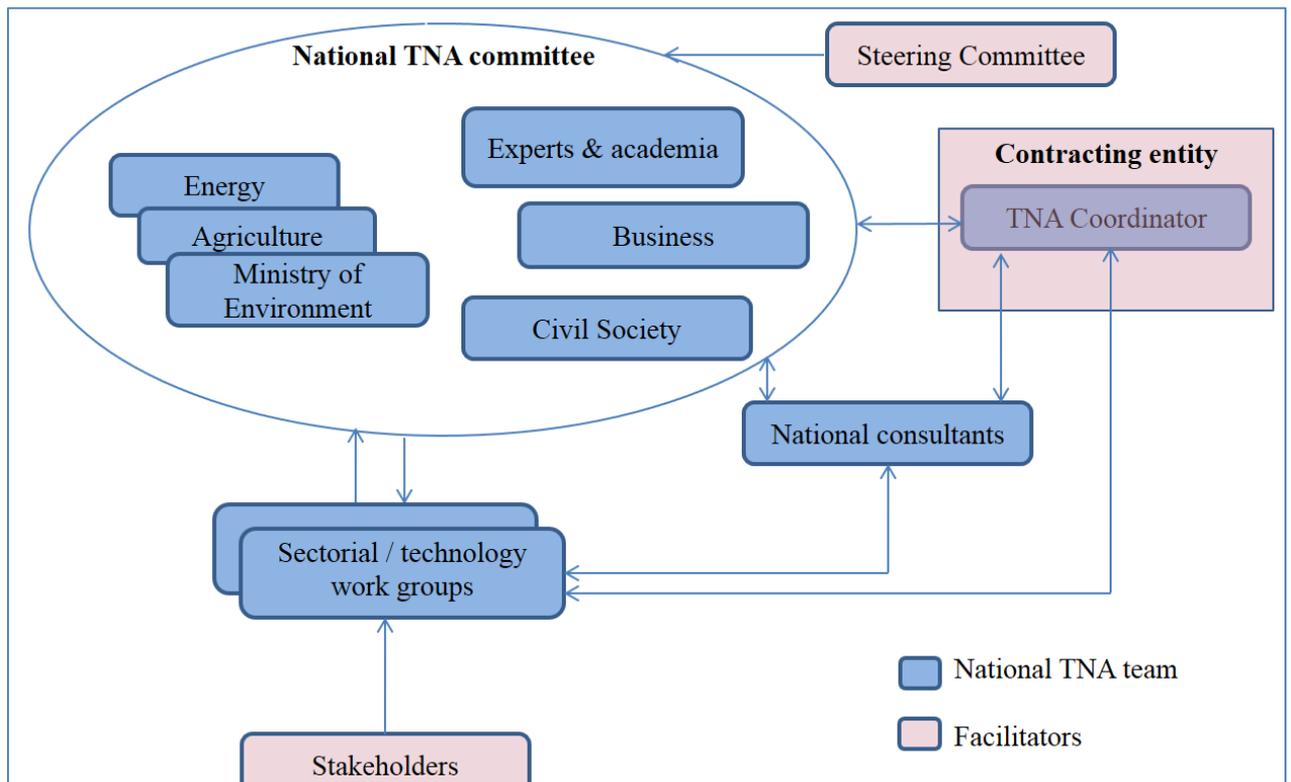
## V. Technology needs in adaptation actions under the NAPs

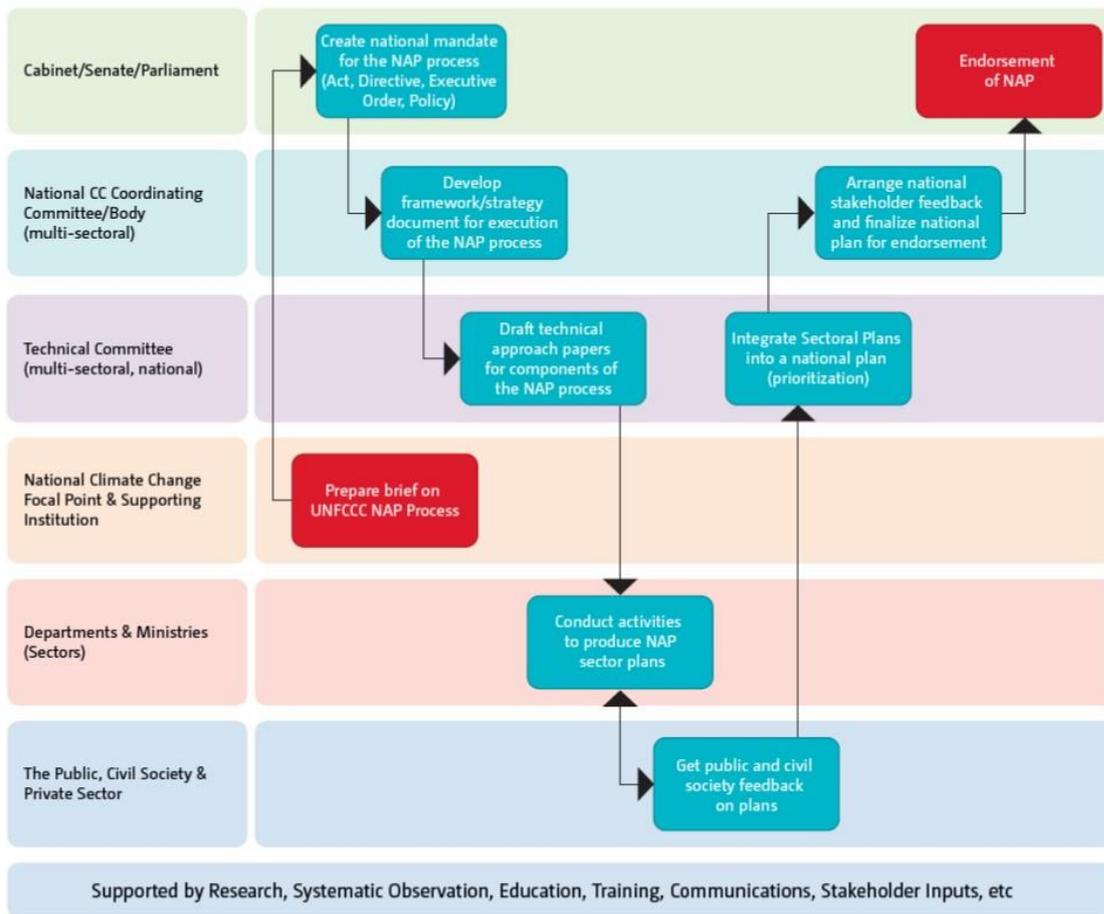
8. Review typical adaptation outcomes in NAPs/what might be expected in NAPs and what their technology needs might be (do this by example, by showing typical adaptation solutions to common vulnerabilities and risks).
9. Show how technology requirements and opportunities can be identified at the national level when exploring how to implement the adaptation solutions (do this by example as well for a range of adaptation solutions from simple to complex ones, from short- to long-term activities). This can be by sector, or range of climatic hazards, or by other organizing theme that may be typical under a NAP.

## VI. Role of TNAs and TAPs in addressing the technology considerations in the adaptation process and actions of the NAPs

10. Show how the technology needs of the adaptation solutions/actions identified in NAPs (see above) could then be addressed through the TNA/TAP process.
11. Also show how the process of the adaptation planning through NAPs would be facilitated by technology considerations and expertise (from the TNA/TAP processes, by looking at the sample NAP process in chapters above, to offer options for using the TNA/TAP steps to support the work under the NAP process).

**Figure 5. Institutional arrangements of the TNA process.**



**Figure 6. Indicative process flow for the process to formulate and implant NAPs at the national level**

## VII. Summary of opportunities for supporting technology in adaptation under NAPs through the TNAs

12. The following are potential areas for coordination and synergy in aligning the work under the two processes:

- Institutional arrangements: Collaboration between national TNA and NAP teams to enrich the work;
- Preparatory process: Steps during the formulation of the two processes;
- Implementation process: Synergy during the implementation stages to enrich adaptation with technology;
- Knowledge support: Provision of “both ways” knowledge support.

## VIII. Concluding remarks

13. How can the TEC help countries?

14. How can the other bodies also help countries using the coherent approach elaborated in this paper for the consideration of technology for adaptation?