United Nations Framework Convention on Climate Change

Compilation of good practices and lessons learned of setup and implementation of NSI

TEC/2021/23/4

Technology Executive Committee, 23rd meeting
7–10 September 2021

Dietram Oppelt, TEC member
TEC Innovation task force

Background

Under its rolling workplan for 2019-2022, the TEC agreed to **explore the setup of NSI in different countries and regions** and analyze ways to incentivize innovation of mitigation and adaptation technologies.

The final outputs of this activity are:

- A **compilation of good practices and lessons learned** of NSIs setup and implementation in 2022;

- **Recommendations** on how to incentivize innovation and/or an **update of the TEC brief on NSI** in 2022.

➢ The **Innovation task force** prepared a concept note to gather TEC guidance for the development of the NSI compilation.

➢ The concept note provides basic information on:

(a)   Concept of NSI;

(b)   Previous work of the TEC on NSI;

(c)   Guiding questions.

Concept of NSI

➢ There is no single accepted definition of a NSI. A NSI has been defined in various ways.

➢ TEC brief #7 states that an NSI consists of:

- **Actors**: organizations that participate in technology development and transfer

- **Institutional context**: norms, cultural practices and laws that shape actor efforts,

- **Linkages**: Interactions and relations between the actors and the institutional context,

Previous work of the TEC on NSI

2014 Workshop "Strengthening NSI in developing countries, covering the entire technology cycle for climate technology"

2015 Policy brief #7 "Strengthening NSI to enhance action on climate change"

Other TEC works that stress the importance of NSI:

- Enhancing financing of technology research

- Incubators and accelerators for climate technologies

- Endogenous capacities and technologies

Guiding questions

1. What should be the **overall objective** of the NSI review? What information should the review eventually provide to policymakers and other relevant stakeholders?

2. What **principles** should guide the development of the NSI review and the identification of the case studies? **How many case studies** should be identified?

3. Should the NSI review have **any particular focus**?

Guiding questions (cont.)

4. What **particular elements** should be considered by the analysis of the case studies?

5. What **criteria and indicators** should be used to assess the innovation capacity of the identified NSI? Should the TEC explore criteria elaborated in this regard by **other organizations**?

TEC consideration

➢ The TEC is invited to:

- **Consider** the concept note; and
- **Provide guidance** to the innovation task force for the development of the compilation

Thank you!

Dietram Oppelt, TEC member
TEC Innovation task force

Next steps

1. **March 2021**. TEC 24. Agree on final concept and outline of the compilation

2. **After TEC 24.** Innovation task force works on a draft compilation

3. **September 2021**. TEC 25. Draft RD&D compilation for consideration and comments by the TEC

4. **December 2021**. Finalization and publication of compilation.

5. **March 2022**. TEC 26. Agree on key messages and recommendation to COP/CMA