



Technology Executive Committee

08 March 2022

Twenty-fourth meeting

22-25 March 2022 and 28 March 2022 (TEC-CTCN joint session)

Compilation of good practices and lessons learned of setup and implementation of National System of Innovation

Background note

I. Background

1. As per activity 1 of the thematic area Innovation of its updated workplan for 2019–2022,¹ the Technology Executive Committee (TEC) is to explore the setup of national systems of innovation in different countries and regions and analyse ways to incentivize innovation of mitigation and adaptation technologies.

2. The final outputs of this activities are:

(a) A compilation of good practices and lessons learned from the setup and implementation of national system of innovation (NSI);

(b) Recommendations on how to incentivize innovation and/or an update of the TEC brief on NSI.²

3. At TEC 23, the TEC considered a concept note prepared by the task force on innovation and provided guidance on developing the compilation, emphasizing the importance of the principle of transformational approach and considering aspects related to coordinating national systems of innovation at the international level and vocational education at the national level.

4. The task force on innovation worked intersessionally and prepared a draft outline of the compilation with the support of the secretariat and a consultant.

II. Scope of the note

5. This background note provides in its annex the draft outline of the compilation prepared by the innovation task force.

III. Expected action by the Technology Executive Committee

6. The TEC will be invited to consider the draft outline of the compilation and provide guidance for the development of the compilation.

¹ See <https://bit.ly/3M0nyRp>.

² See <https://bit.ly/3siS55h>.

Annex

Draft outline for the compilation of good practices and lessons learned on the set up and implementation of national system of innovation

1. Foreword(s) (1 page).
 2. Highlights (1-2 pages).
 3. Concepts, definitions, approach (2-3 pages):
 - Definition of ‘innovation’, ‘NSI’;
 - National/sector/technology perspective;
 - Definition of a successful NSI;
 - Climate-specific or broader;
 - Crucial elements, characteristics of an NSI;
 - How to determine/define ‘good practice’.
 - Criteria for case study selection (mitigation/adaptation, regional representation, income levels, mix of perspectives (national/sectoral/technology) and of sectors (water/ agriculture/health/energy/transport etc), maturity, potential for good practices/useful lessons learned, replicability, information availability).
 4. Introduction, including overview of selected case studies (2-3 pages).
 5. Case studies (4), for each (5-6 pages).
 - Introduction.
 - Focus of initiative: mitigation/adaptation, national/sector/technology, country.
 - Description of initiative.
 - Legislative/regulatory framework.
 - Overall approach at developing relevant “innovation system”, with a particular focus on institutional set-up, including key actors, networks, top-down/bottom-up drivers, international links.
 - Short discussion of the functions of the innovation system.
 - Key success/fail factors, lessons learned, commonalities and differences.
 - Identified good practice(s).
 6. Good practices and lessons learned (across case studies), including e.g. vocational education at the national level, combination of top-down policies with bottom up approaches, and any coordination at the international level (4-5 pages).
 7. Conclusions & recommendations (2-3 pages).
 8. Acknowledgments.
 9. References (pages as needed).
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