

Agenda item 4.a.1

Good practices and lessons learned on countries' RD&D

TEC/2021/22/4

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Background

- In 2021, the TEC is to produce **executive summaries on RD&D** for targeted audience.
- The innovation task force prepared draft executive summaries for **four target groups**, namely:
 - Policymakers;
 - Academic and research institutions;
 - International organizations; and
 - Private sector actors.
- The executive summaries **build on the findings of the TEC compilation** of good practices and lessons learned on international collaborative RD&D

RD&D Executive summaries for **policymakers**

Why policymakers?

Policymakers are fundamental in bridging gaps that hinder the long-term sustainability of international RD&D initiatives for climate change and their successful delivery.

Example of possible options for action

- **Policy framework** and engagement in **international standardization processes** to create early markets
- Incorporate **national needs assessments** in international RD&D program design
- Anchoring international RD&D programs to **existing science and technology institutions** with a well-developed administrative infrastructure.



RD&D Executive summaries for **academic and research institutions**

Why academic and research institutions?

They play a central role in RD&D for climate technology as well as in widely disseminating the RD&D results by translating highly technical information into formats that are understandable and regionally relevant.

Example of possible options for action

- Increase participation of **private companies and end users in RD&D research** programs
- Enable a **regular independent evaluation and assessment** of international RD&D initiatives
- Strengthening human resources through, for instance, **scholar and student training and exchange**



RD&D Executive summaries for **international organizations**

Why international organizations?

They have dedicated networks that contribute significantly to worldwide exchange of knowledge and best practices, thereby facilitating access of countries, particularly developing countries, to new climate technologies.

Example of possible options for action

- Supporting the participation of **local actors** and consideration of diverse knowledge sources, including **traditional knowledge and techniques**.
- Enable a **regular independent evaluation and assessment** of international RD&D initiatives
- Strengthening human resources through, for instance, **scholar and student training and exchange**

RD&D Executive summaries for **private sector actors**

Why private sector actors?

The participation of the private sector is recognized as being crucial to the translation of RD&D into market deployment.

Example of possible options for action

- Engage in **networks or consortia** dedicated to RD&D of climate technologies in order to share experiences with other enterprises, researchers and academics.
- **Empower qualified staff** in the context of RD&D programs and provide them with necessary resources for the application of their knowledge.
- Seek **collaborative entrepreneurial experimentation** and resource mobilization by engaging in international RD&D programmes.

TEC consideration

- The TEC is invited to:
 - consider the draft executive summaries and provide guidance to the Innovation task force for their further improvement and finalization after TEC22.

Thank you!

