



INNOVATIVE APPROACHES TO ACCELERATING AND
SCALING UP CLIMATE TECHNOLOGY IMPLEMENTATION IN
THE ASIA-PACIFIC



DR. STEPHEN MINAS
CHAIR OF THE TEC
2021 CTCN ASIA-PACIFIC FORUM

TEC

TECHNOLOGY FRAMEWORK GUIDANCE

- Principles: ***transformational*** approach
 - Address the transformational changes envisioned in the Paris Agreement
- Actions and activities:
 - Identifying and developing recommendations on approaches, tools and means, as appropriate, for the assessment of the technologies that are **ready to transfer**
 - Identifying and developing recommendations for the **enhancement of enabling environments** for and the addressing of barriers to the development and transfer of socially and environmentally sound technologies
 - Enhancing engagement and collaboration with the **private sector**, on a voluntary basis, to leverage expertise, experience and knowledge regarding effective enabling environments that support the implementation of the Paris Agreement

THE TEC'S WORK ON INNOVATIVE APPROACHES

- Objective: Identify innovative approaches to stimulating the uptake of deployment-ready climate technology solutions with a view to providing policy recommendations to countries and relevant stakeholders.



AIMS OF PUBLICATION

- Specific aims:
 - a) Provide background information on the current state of play of innovative approaches to stimulating the uptake of existing climate technology solutions;
 - b) Present an overview of activities, as case studies, undertaken by various stakeholders to apply these innovative approaches in practice;
 - c) Identify key enabling conditions for successfully applying the innovative approaches defined;
 - d) Provide key messages and recommendations.

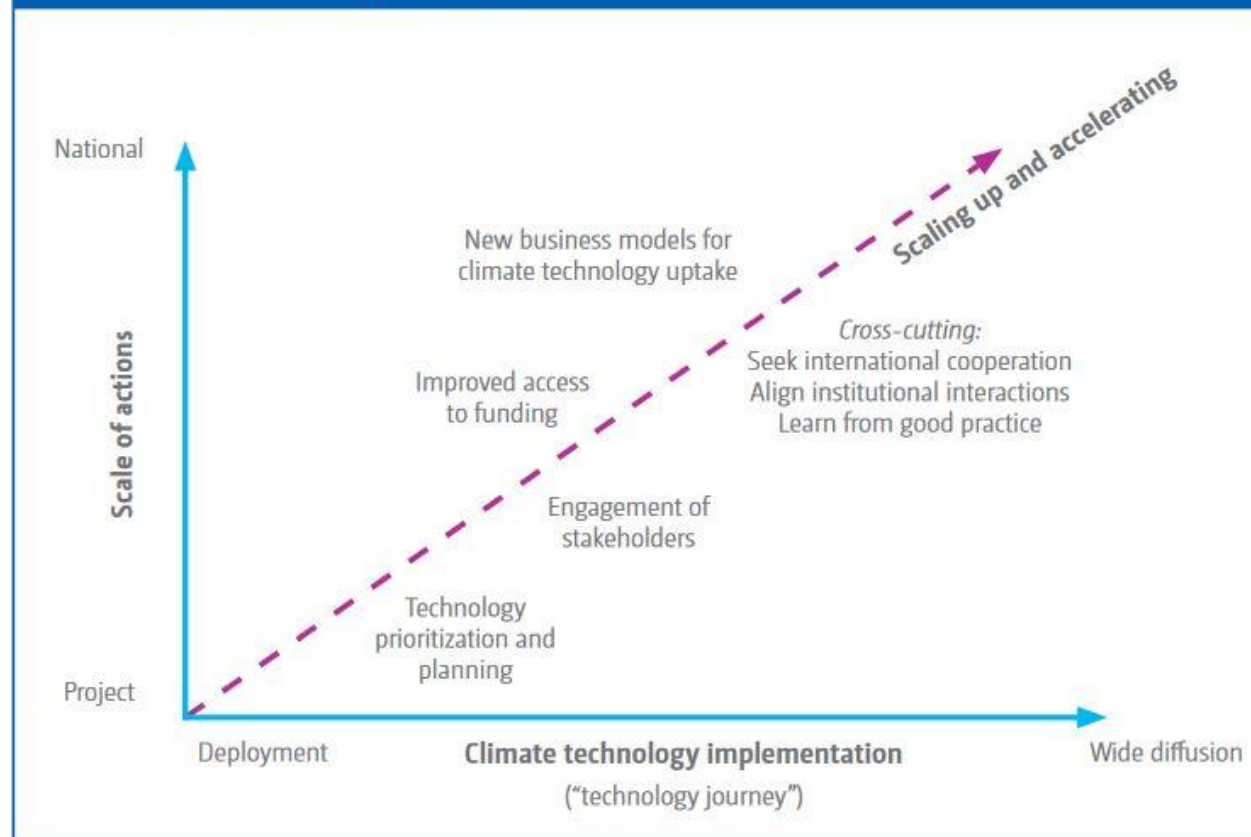
SCOPE

- Focus: “innovative ideas and actions to accelerate the deployment and diffusion of climate technologies for mitigation and adaptation”
 - contexts, systems and enabling conditions for technology implementation
- Identifying and assessing innovative approaches related to several aspects of preparing to scale up and accelerate climate technology uptake.
- Such innovations can be identified in the following areas:
 - how technology options are selected by countries;
 - how stakeholder views and practitioner knowledge, as well as their preferences, are solicited in climate technology planning;
 - what financial innovations exist for enhancing funding of technology projects and programmes;
 - what are viable ways of enhancing private sector engagement and incubators.

INNOVATIVE APPROACHES

1. **Technology prioritization:** combine modelling and stakeholder assessments
2. **Stakeholder engagement:** co-development and co-ownership of technology decisions;
3. **Finance:** risk reduction and leverage private capital
 1. Innovative financial measures for accelerating the uptake of **adaptation** technologies have been limited
4. **Private sector engagement and incubators:** multi-sector partnerships to align interests, share risks and leverage resources
5. **Cross-cutting aspects:** institutions, planning, knowledge sharing, measuring progress

Figure 2 Scope for innovative approaches in scaling up and accelerating climate technology implementation



INNOVATIVE APPROACHES: CASE STUDY – BANGLADESH: EMPOWERING FARMERS THROUGH INFORMATION

- Main crop: rice (75% of farmland)
- Problem: pests destroy up to 25% of harvest
- Intervention: **'Plant clinics'** (and e-clinics) **share** info on crop health through knowledge-sharing apps - **ALERT, even during pandemic**
- (Online) Plantwise Knowledge Bank
- **Innovative approaches:**
- Access to critical advisory **services** (pest management) & **diagnostics**
- Enables **peer-to-peer** (farmer) sharing of advice among plant clinic users
- **Train-the-trainer** (plant doctors)



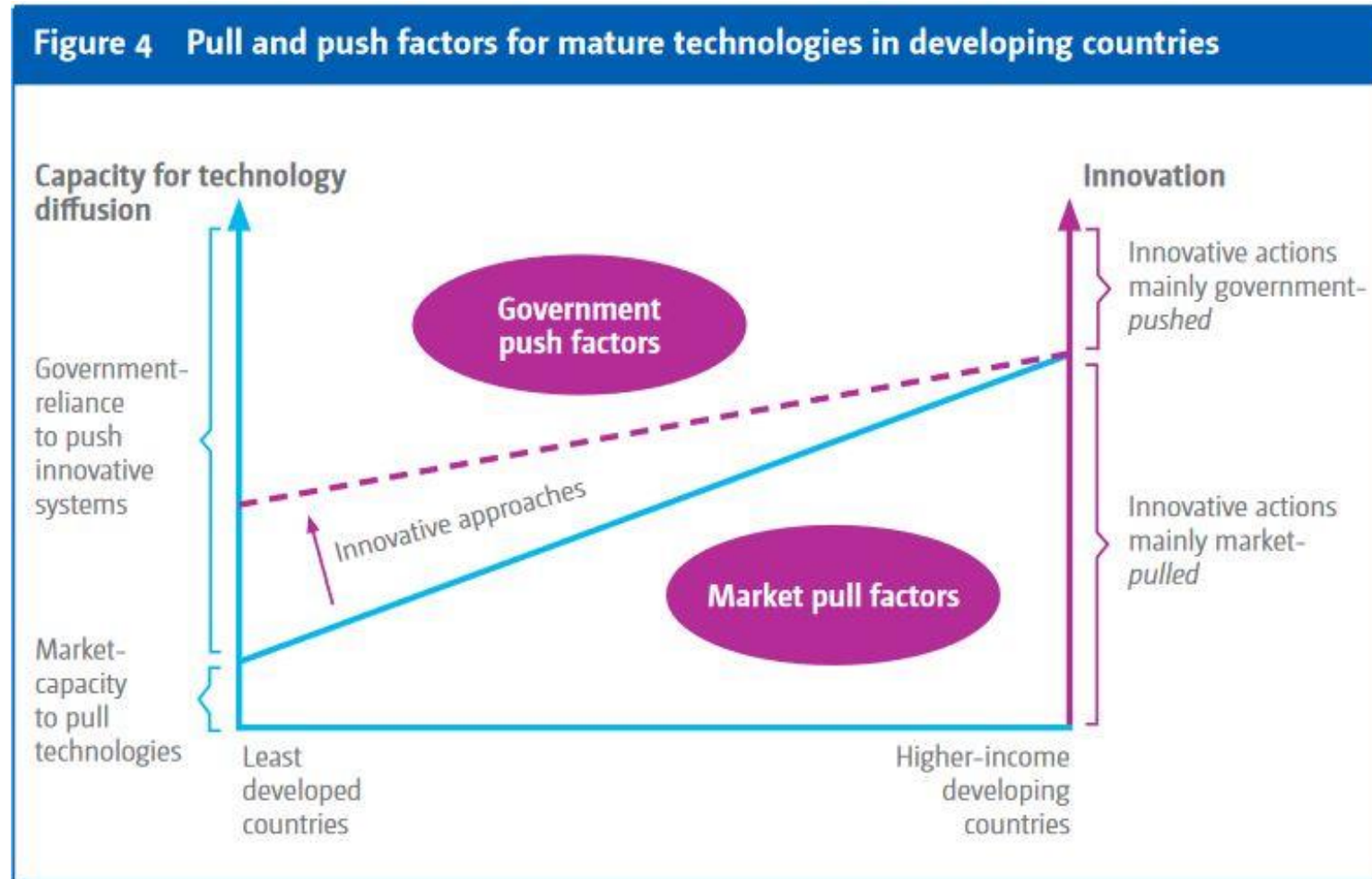
INNOVATIVE APPROACHES: CASE STUDY – FIJI'S SOVEREIGN GREEN BONDS

- Scaling the investment ecosystem
- **Green bonds:** Use of proceeds for climate projects
- 1st green bonds: Multilateral development banks.
- Major growth in issuance by sovereigns, corporations & commercial banks.
- **Fiji:** First developing country to launch sovereign green bonds.
- 1st tranche: approx. USD 40M. Bond to support both adaptation & mitigation
 - Crop resilience, flood management, rebuilding schools, renewables...
- Projects to follow Green Bond Principles.



INNOVATION IN CONTEXT

- Innovative approaches can help balance division of government (push) & private sector (pull) actions
- LDCs benefit more strongly from gov-to-gov collaboration & international support
- Developing countries with more mature market systems benefit more from multi-stakeholder partnerships
- Market-led pull factors strengthen capacity for tech-neutral development



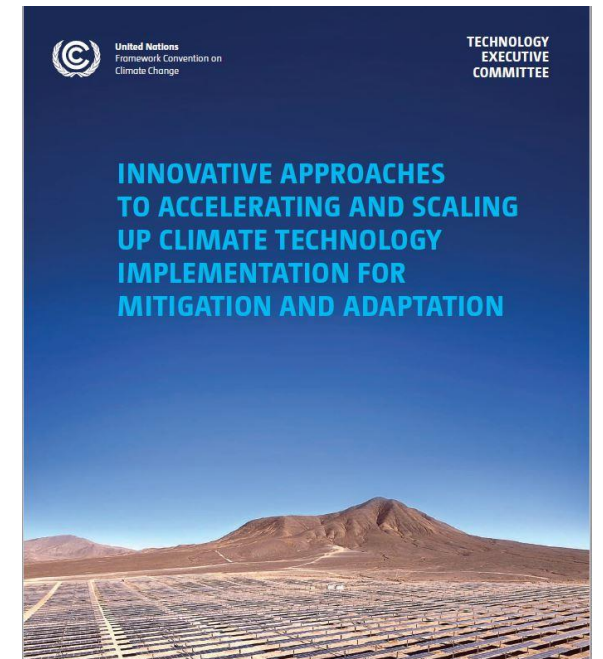
KEY MESSAGES

1. Strive for more balanced public-private collaboration
2. Through innovative approaches, market pull actions can alleviate the burden of government push actions
3. Stakeholder engagement is key
4. Innovative financial instruments help close finance gaps in developing countries for scaled up climate technology programmes
5. Scaling up technology solutions for adaptation can benefit from all innovative approaches described in this publication



TEC WORK AND NEXT STEPS

1. Draft policy brief presented at TEC22 (April).
2. TEC provided guidance.
3. Implementation task force finalizing brief.
4. Recommendations to COP/CMA.





THANK YOU!

MORE INFORMATION ON TT:CLEAR

WWW.UNFCCC.INT/TTCLEAR



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