



INNOVATIVE APPROACHES TO ACCELERATING AND  
SCALING UP CLIMATE TECHNOLOGY IMPLEMENTATION  
FOR MITIGATION AND ADAPTATION

Launching of TEC climate technologies publications  
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# CONTENTS

1. Background
2. Innovative approaches
3. Key messages

# BACKGROUND

- Paris Agreement calls for international collaboration on technology development and transfer to support its purpose and goals to limit global average temperature increase to well below 2 °C, or even to 1.5 °C.
- Importance of accelerated technology development and transfer was supported by the findings of the Fifth Assessment Report of the IPCC and the IPCC Special Report on Global Warming of 1.5 °C.
- This TEC publication aims to inform policymakers about innovative approaches to stimulating the uptake of existing climate technologies.



# 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.
- 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.

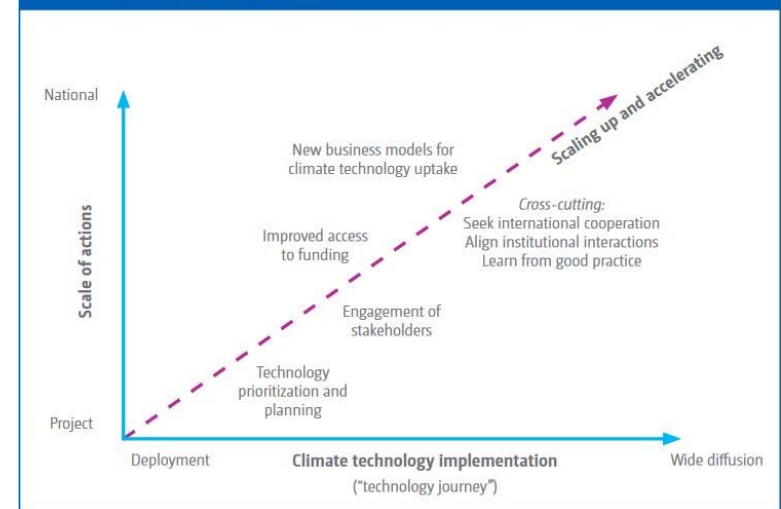
# SCOPE

- Focus on contexts, systems and enabling conditions for technology implementation
- Existing, matured, deployable technologies
- 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
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 – FIJI'S SOVEREIGN GREEN BONDS

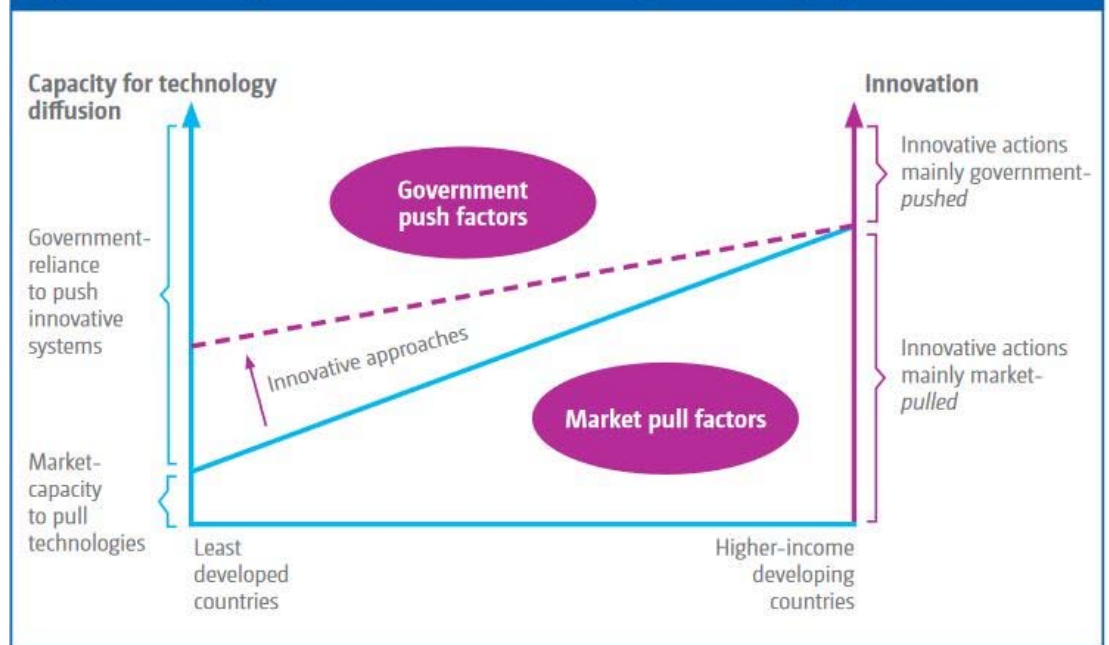
- **Green bonds:** Use of proceeds for climate projects (mature technologies).
- 1<sup>st</sup> green bonds: Multilateral development banks.
- Major growth in issuance by sovereigns, corporations & commercial banks.
- **Fiji:** First developing country to launch sovereign green bonds.
- 1<sup>st</sup> tranche: approx. USD 40M. Bond to support both adaptation & mitigation
- Projects to follow Green Bond Principles.



# INNOVATIVE APPROACHES: STRONGER MARKETS FOR DEPLOYMENT

- 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

Figure 4 Pull and push factors for mature technologies in developing countries





# 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, like solutions for mitigation





**THANK YOU!**

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**[WWW.UNFCCC.INT/TTCLEAR](http://WWW.UNFCCC.INT/TTCLEAR)**



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