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# Climate Friendly Goods and Technologies in Asia

Opportunities for Trade

 Springer

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ISSN 2191-5547                      ISSN 2191-5555 (electronic)  
SpringerBriefs in Environmental Science  
ISBN 978-3-030-02474-1              ISBN 978-3-030-02475-8 (eBook)  
<https://doi.org/10.1007/978-3-030-02475-8>

Library of Congress Control Number: 2018958910

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# Preface

Emissions of greenhouse gases associated with continued economic expansion need to be controlled by adopting sustainable production and consumption that emphasizes energy-efficient technologies. Countries produce and export climate-friendly goods and technologies (CFGT), which have relatively less adverse impacts on the environment. Liberalized trade can make available such goods and clean technologies for countries that have no access to such CFGT, or wherein domestic industries are unable to produce them at sufficient scales or at affordable prices. Through trade, countries in Asia provide affordable renewable technologies and make them widely available for mitigating climate change. This book explicitly focuses on potential trade opportunities of climate-friendly goods and technologies for countries in Asia and South Asia, provides trade performance of climate-friendly goods in the early twenty-first century in Asia and estimates potential trade gaps in Asia. It has several chapters with major focus on CFGT trade performance, regional orientation, trade analysis and estimation of its potential trade gaps in the abovesaid regions, and covers major research areas of climate-friendly goods and technology aspects and their classified product groups and subgroups. Trade volume is examined by identifying and tracking the unique HS code associated with each technology or product under the Harmonized Commodity Description and Coding System. This book also helps to clarify India's position on global warming and regional efforts to mitigate climate change in the international level.

This book has four parts. Part 1 provides conceptual ideas, related literature and data descriptions and methodologies. Part 2 shows the trade performance measuring several indicators. Part 3 depicts regional orientation, and Part 4 analyses and estimates the potential trade for climate-friendly goods and technologies in Asia, South Asia and India, mapping the movement of CFGT.

I am grateful to Mia Mikic for her suggestion and conceptualization on climate-friendly goods and technological trade. I would like to thank the seminar participants at Indian Institute of Technology, Madras; Chandragupt Institute of Management, Patna; Indian Statistical Institute, Madras School of Economics;

Delhi School of Economics; Institute of Economic Growth; Jadavpur University; Oldenburg University; Burdwan University; Sidho-Kanho-Birsha University; Maastricht School of Management; Birmingham University; Nottingham University; and the University of Bath where parts of this book were read out.

Burdwan, India

Soumyananda Dinda

# Acknowledgements

I appreciate the support and efforts of all who were involved in making this book possible, which includes the referees, the editor and editorial team of Springer Publication. I gratefully acknowledge the assistance provided by the editorial staff for this book.

I must heartily thank my friends, Martine Wermelinger, Arijit Mukherji and Tirthankar Banerji, for their constant encouragement.

It is needless to acknowledge the most needed support and encouragement given to me by my family members, especially my wife and my eldest brother.



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# Abbreviation

APTA	Asia Pacific Trade Agreement
ASEAN	Association of South East Asian Nation
CCT	Clean Coal Technology
CFGT	Climate Friendly Goods and Technology
DC	Developed Country
EEL	Energy Efficient Lighting
EGS	Environmental Goods and Services
GDP	Gross Domestic Product
GHG	Green House Gas
LDC	Less Developed Country
OECD	Organisation for Economic Cooperation and Development
RCA	Reveal Comparative Advantage
SAARC	South Asian Association for Regional Cooperation
SPVS	Solar Photovoltaic System
USD	US Dollar
WE	Wind Energy
WTO	World Trade Organisation

**Part I**  
**Introducing Climate Friendly**  
**Goods and Technology**