

# Foreword

Since the early 1990s, the Asian Development Bank (ADB) has been at the forefront in assisting countries in the Asia and Pacific region to address climate change, through various technical assistance programs and lending operations.

ADB recently attracted the increasing interest of various aid providers (such as Denmark, Canada, and the Netherlands) for grant funding of its program on renewable energy, energy efficiency, and climate change, (REACH). Under the REACH program, ADB administers three grant funds: i) the Netherlands Cooperation Fund for Promotion of Renewable Energy, Energy Efficiency, and Greenhouse Gas Abatement (\$4.5 million); ii) the Canadian Cooperation Fund for Climate Change (\$3.2 million); and iii) the Danish Cooperation Fund for Renewable Energy and Energy Efficiency in Rural Areas (\$3.5 million).

ADB's Climate Change Adaptation Program for the Pacific (CLIMAP) assists Pacific developing member countries to enhance their adaptive capacities and resilience to climate change and climate variability, including extreme events. It also assists these countries to prevent and address the adverse effects of global climate change, particularly sea-level rise and changing climate variability in coastal and marine areas. This is achieved through risk assessment, adaptation planning, and policy development, by climate proofing infrastructure, and through community and other development initiatives. This assistance involves preparation/design of adaptation measures at the project level as well as capacity building, including institutional strengthening and human resources development for adaptation.

CLIMAP builds on ongoing and recently completed adaptation programs through a consultation and analysis process. It follows an integrated approach covering economic, financial, technical, and legal aspects as well as social, environmental, and networking dimensions. This requires the active and sustained engagement of various experts and stakeholders from the scientific community, decision makers, and public and private sector operators, as well as nongovernment organizations and representatives of civil society.

ADB foresaw the need to prepare a series of case studies that demonstrate a risk-based approach to adaptation to climate change, including the mainstreaming of adaptation. These would link to, and support, initiatives being taken to prepare for mainstreaming adaptation in ADB's own policies and procedures.

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The case studies were prepared by Maunsell (NZ) Ltd., working in association with the International Global Change Institute of the University of Waikato, New Zealand. The team was directed by Edy Brotoisworo, Senior Environment Specialist, Pacific

Department; who succeeded Daniele Ponzi, then Senior Economist (Environment), Pacific Department. Design, coordination, and implementation of the RETA benefited from the overall guidance of Peter N. King, former Director, Area B, Pacific Department, Robert Y. Siy Jr., Director, Area A, Pacific Department and Indu Bhushan, Director, Area B, Pacific Department, ADB.

The leader of the team of consultants who prepared the case studies was John E. Hay of the International Global Change Institute (IGCI), University of Waikato, Hamilton, New Zealand. The team included Richard Warrick, also of IGCI, Chris Cheatham, Consultant, Suva, Fiji Islands; Teresa Manarangi-Trott, Pacific Communications, Rarotonga, Cook Islands; Joseph Konno, Consultant, Chuuk, Federated States of Micronesia; Peter Hartley, Maunsell (NZ) Ltd., Auckland, New Zealand.

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